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OFFICE OF THE REGIONAL MANAGER
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WHITEHORSE
YUKON TERRITORY

GEOLOGICAL, GEOCHEMICAL, GEOPHYSICAL & DRILLING REPORT ON THE LEE 1-87, EEL 1-193, 195-274, ELE 1-80 & FLEE 1-104 DAWSON MINING DISTRICT

N.T.S.: 116 B/1

LATITUDE: 64 03'

LONGITUDE: 138 15'

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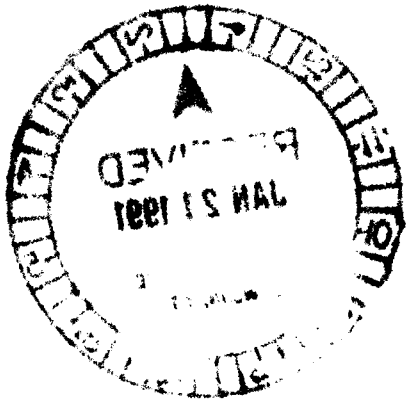
G. Gillstrom
L.Brommeland

January 1991

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 141,200.00.

for Regional Manager, Exploration and Geological Services for Commissioner of Yukon Territory.

CONFIDENTIAL



SUMMARY

The 1990 exploration program at Brewery Creek began delineation of eight distinct gold mineralized zones along a six km Au, As, Sb and Hg geochem anomaly. These zones are, from east to west; Lucky, Golden and South Golden, Kokanee, Fosters, Canadian, Blue, Moosehead and Pacific.

Gold is hosted within brecciated intrusive along an imbricated thrust structure. Mineralization is associated with intense phyllic alteration and associated quartz stockwork. Significant intersections included,

g/tonne Au	metres
2.12	62.0
4.28	26.0
9.30	16.0
3.22	36.0
6.66	22.0
3.10	26.0
3.34	24.0

Mineralization is still considered to be open in three directions and soil geochem is open in one direction.

Preliminary grade and tonnage is being calculated and metallurgical testwork is underway at Kappes, Cassidy and Associates in Reno, Nevada.

Production for 1990 included;

RC Drilling	14,913m
Diamond Drilling	1,288
Trenching	6,244m

Expenditures for 1990 were $2,213,000.

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CHAPTER ONE: INTRODUCTION

1-1: INTRODUCTORY STATEMENT

The Brewery Creek project is located 57 km due east of Dawson City, Yukon on the southwest edge of the Ogilvie Mts. within a region of the Yukon which was not affected by Cenozoic glaciation.

The property consists of 508 contiguous quartz claims covering 11180 ha.. Exploration work has focused on the property's bulk tonnage gold potential.

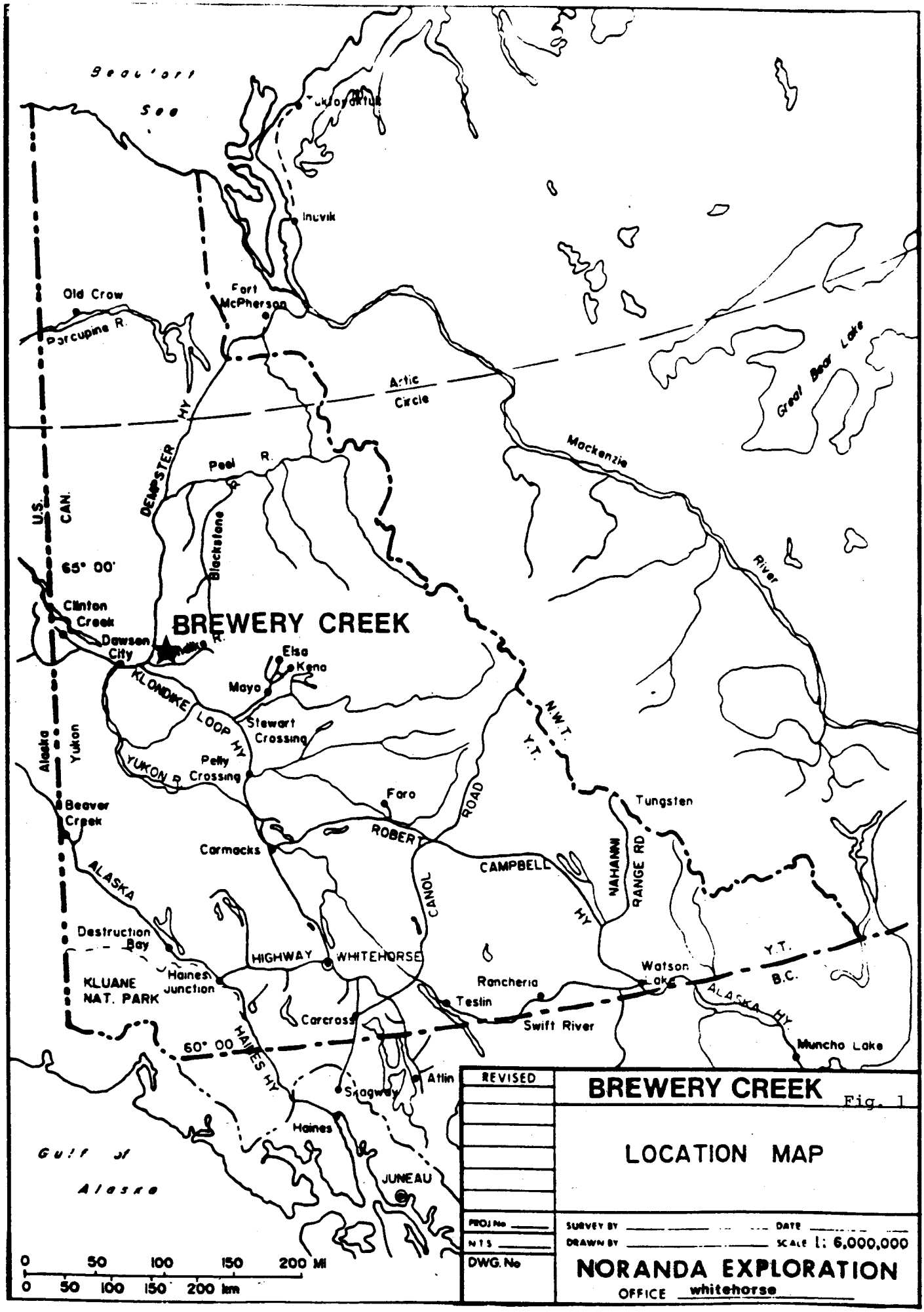
This report describes work completed on the project in 1990.

1-2: LOCATION & ACCESS

The project is located in the Dawson Mining District, 57 km due east of the town of Dawson City, Yukon. (pop. 1,791), (NTS 116 B/1) (see fig. 1).

Access to the property from Dawson City is via the Klondike Highway east for 45 km towards Whitehorse to the Dempster Corner and 6 km north on the Dempster Highway to the Klondike Ditch. From this junction, 20 km of "Ditch Road" provides access to the southwest edge of the property. The camp, located at the centre of the property, is another 10 km on a 4WD road built by Noranda in 1989.

The "Ditch Road" is a single lane all weather 2WD gravel road, built in the 1920's to service a water diversion project. There are two water crossings. The first, across the North Klondike River, has a new bailey bridge built in 1989 which is maintained by the highways department. The second crossing, at


Beaufort Sea
Inuvik
Old Crow
Fort McPherson
Porcupine R.
Arctic Circle
DEMPSTER HY
Peel R.
Blackstone R.
U.S.
CAN.
65° 00'
Mackenzie
River
Great Bear Lake
BREWERY CREEK
Clinton Creek
Dawson City
Klondike R.
Elsa
Keno
Mayo
KLONDIKE LOOP HY
Stewart Crossing
Pelly Crossing
YUKON R.
Alaska
Yukon
Beaver Creek
Carmacks
Faro
ROBERT CAMPBELL HY
ROAD
NWT
YT
Tungsten
NAHANNI RANGE RD
CANOL
ALASKA HIGHWAY
Destruction Bay
KLUANE NAT. PARK
Haines Junction
WHITEHORSE
Rancheria
Watson Lake
YT
BC
ALASKA HY
Teslin
Carcross
Swift River
Muncho Lake
60° 00
HAINES HY
Skagway
Atlin
Haines
JUNEAU
Gulf of Alaska
0 50 100 150 200 MI
0 50 100 150 200 km
REVISED
BREWERY CREEK
Fig. 1
LOCATION MAP
PROJ No
NTS
DWG. No
SURVEY BY
DRAWN BY
DATE
SCALE 1: 6,000,000
NORANDA EXPLORATION
OFFICE whitehorse

Lee Creek has a small bridge built by Noranda for pick-up truck traffic. This creek has an excellent ford. Water level in the creek averages 0.5 m and has a high water level of approximately 1 m. The "Ditch Road" is too narrow and winding for vehicles longer than 40'.

The 10 km company road is a good 4WD road. During breakup in early May this road is barely passable; however, by mid-June, depending on weather, the road is passable in 2WD.

Power to the property, at present, would have to be provided by diesel generation. However, the Yukon Energy Corp. is planning to construct a 75 kv powerline along the Klondike Highway to Dawson City from a Hydro station at Mayo. This line is scheduled to be operative by the fall of 1992. Capacity of 2-3 megawatts may be available off this line. Access to the power would require a small substation and 25 to 30 km of transmission line.

Facilities in Dawson City include; nursing station, bulk fuel plant, airport, trucking companies, lumber yard, government agencies, grocery stores, accommodations and restaurants.

1-3: PHYSIOGRAPHY & VEGETATION

The property lies in the extreme southwestern corner of the Ogilvie Mountains and is bounded on the southwest side by the Tintina Trench. This part of the Ogilvie Mts. is characterized by rectangular drainage patterns which have resulted from jointing within steeply dipping sediments.

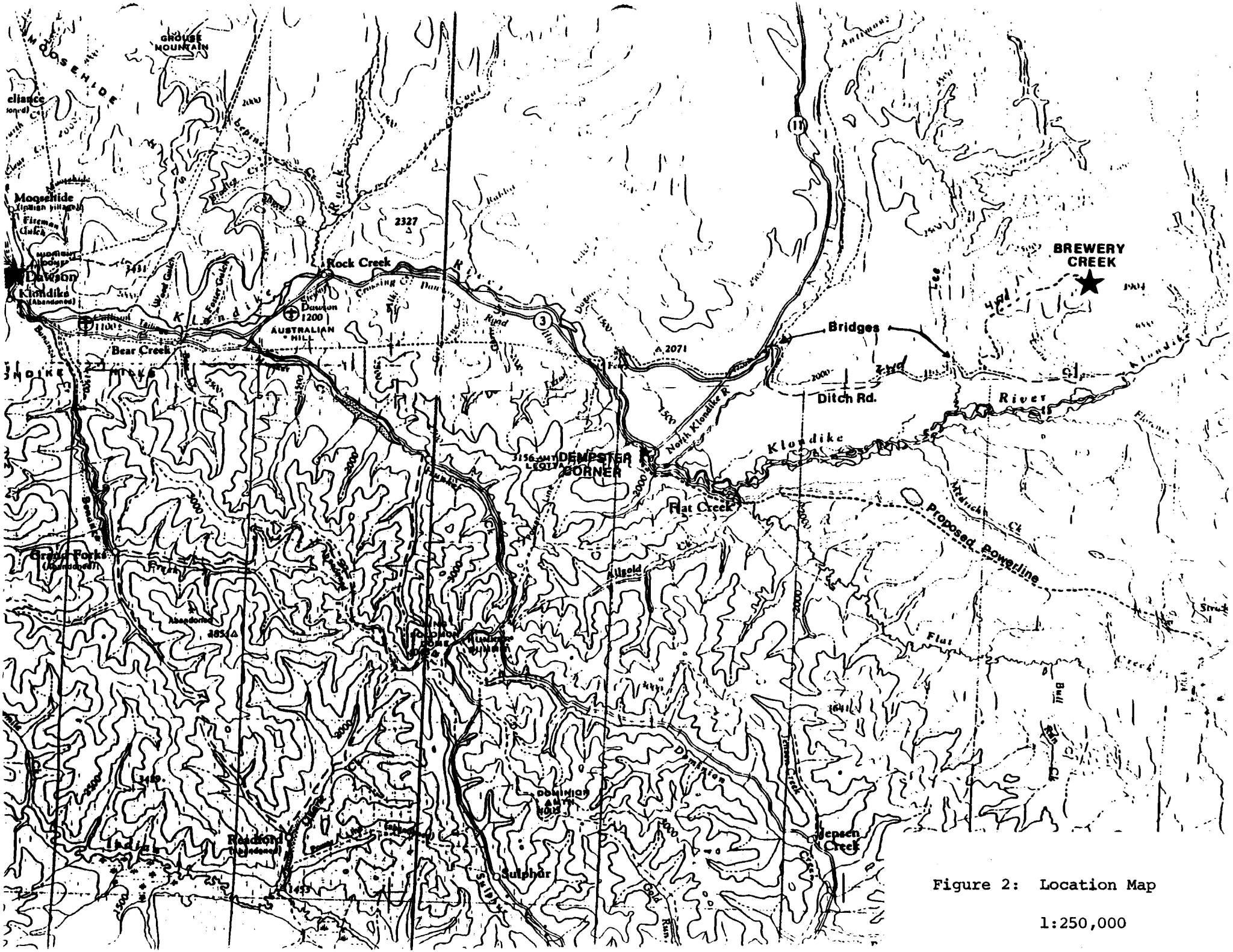


Figure 2: Location Map

1:250,000

Elevations, on the property, vary from 540 metres to 1225 metres. The steepest slope is in the northwestern portion of the property and is approximately 30 degrees.

Vegetation on the property is of four main types. Above 1050 m the vegetation is dominated by alpine buckbrush and grasses with widely spaced stunted coniferous trees. On the north and northwest facing slopes the vegetation consists of thick blankets of moss with spaced thickets of slope alder and rare coniferous trees. The southern facing slopes have two distinct styles of vegetation; coniferous trees with abundant undergrowth, and areas of deciduous aspen with very little or no undergrowth.

All areas with thick (>25.0cm) moss cover were found to have permafrost immediately below the moss. Areas of deciduous Trembling Aspen forest appeared to be well drained and have no permafrost.

Areas of mineralization outlined to date do not have significant permafrost.

1-4: EXPLORATION HISTORY

There is no recorded history of hardrock exploration in the vicinity of the property, although it is likely the drainages have been tested for placer in the past. Laura Creek, which drains the central portion of the property, was staked for placer in 1988; those claims lapsed and were restaked in 1989.

The Antimony Mt. area 27 km to the north of the Brewery Creek project has been the target of a long series of exploration

programs. These programs have targeted precious metal bearing arsenopyrite and stibnite veins in metasediments adjacent to a large intrusive body. In 1988 Total Energold staked the Tooth claims over Antimony Mt. and optioned the key existing properties. In 1989 they completed a summer long program which included drill testing. Their results did not warrant a program in 1990.

1-5: CLAIM HISTORY

The initial claims were staked in October 1987 to cover a reconnaissance geochemical anomaly. Further claims were staked to cover possible extensions of geochemical anomalies (see fig. 3).

Total area now staked is 11,180 ha. (27,625 acres).

The property consists of the following claims,

CLAIMS	RECORD NOS.	STAKED	ANNIVERSARY
LEE 1-32	YB04486-517	Oct. 20/87	Jan 20/2001
LEE 33-76	YB17700-743	Aug 16/88	Jan 20/2002
LEE 77-82	YB23207-212	Sept 26/88	Jan 20/98
EEL 1-52	YB23313-364	Oct 27/88	Jan 20/97
ELE 1-16	YB23541-556	June 23/89	Jan 20/98
ELE 17-80	YB23773-836	Oct 2/89	Jan 20/95
EEL 53-66	YB23907-920	Nov 1/89	Jan 20/95
FLEE 1-104	YB23923-4029	Nov 1/89	Jan 20/95
LEE 83-87	YB38729-733	Aug 22/90	Jan 20/95
EEL 67-192	YB39516-641	Nov 5/90	Nov 9/91
EEL 195-274	YB39642-721	Nov 5/90	Nov 9/91

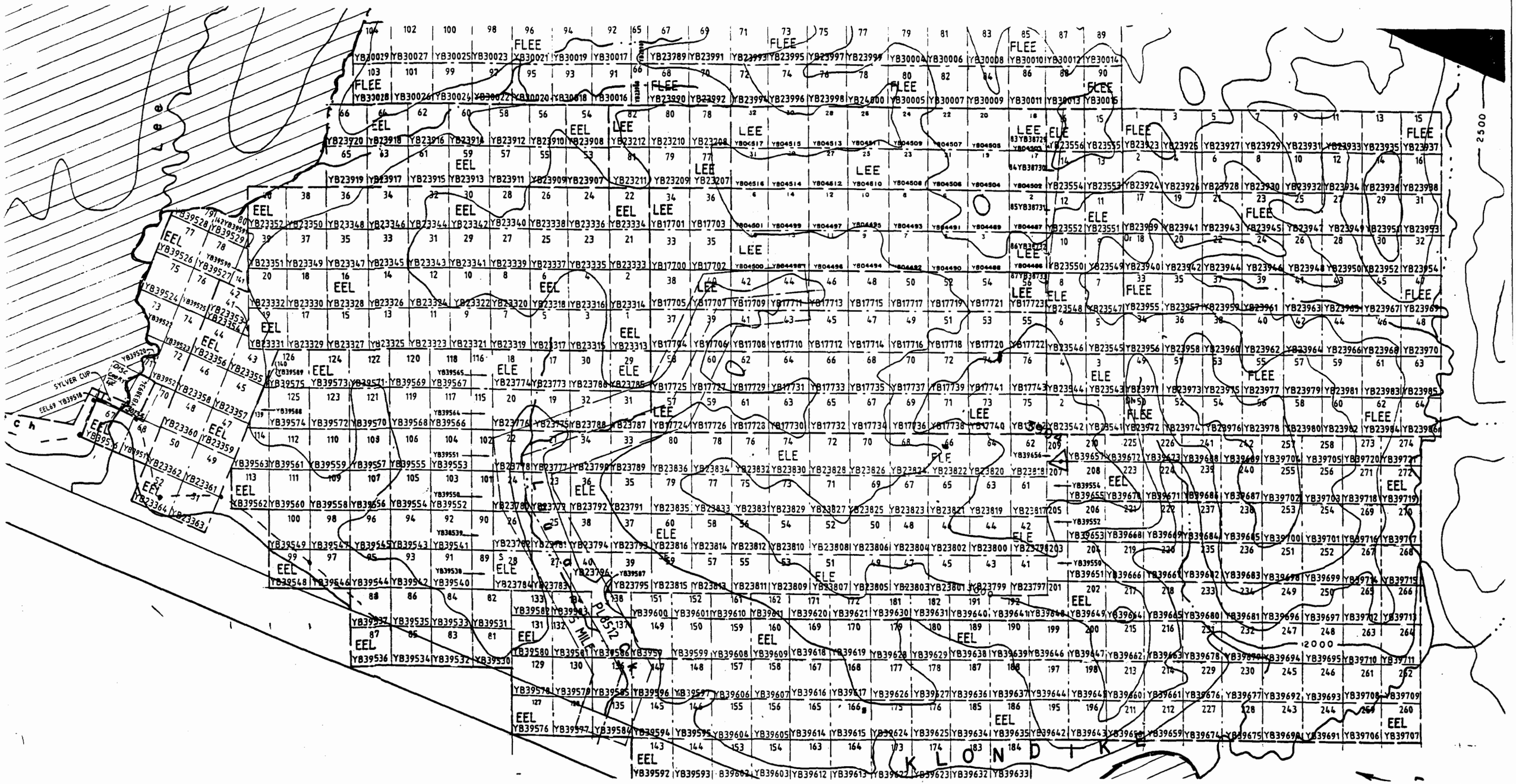


Figure 3: Claim Map

1:50,000

which upon acceptance of this report will be in good standing until the anniversary dates given.

1-6: WORK PROGRAM

1987

In August 1987 a reconnaissance program targeting Cretaceous intrusives intruding into Road River sediments revealed strong As, Sb, Hg and Au geochemical anomalies. These were staked in October 1987 as the LEE 1-32 claims. Total expenditures for 1987 were $10,000..

1988

In 1988 Noranda conducted an exploration program consisting of soil sampling, prospecting, geological mapping and hand trenching.

This program located a 3 km by 300 m As, Sb, Hg and Au soil geochem anomaly which trends approximately east west and was open in three directions. Hand trenching over a small portion of this anomaly returned values of 3.41 gm/tonne Au over 14 m and 1.8 gm/tonne Au over 16 m. Subsequently a further 102 claims were staked to the west and the south. Total expenditures for 1988 were $68,000..

1989

The 1989 Brewery Creek exploration program identified an area of significant gold mineralization with potential for a large tonnage, low grade style mining operation.

Production figures for that program were as follows:

RC Drilling 1722m

Diamond Drilling	1096.8m
Trenching	6000m
Access Roads	15km
Litho Samples	2950 samples
Soil Samples	1511 samples
Magnetometer	123.6 km
I.P.	17.6 km

Mineralization was found to be associated with pervasive and locally intense phyllic and advanced argillic alteration within sill like bodies of felsic intrusives. Trenching of geochem anomalies consistently exposed significant mineralization.

Significant results from 1989 included:

In Drilling:

HOLE	WIDTH	Au (gmt)	CN-Bottle Roll % Recovery
BCDDH 89-4	15.	2.63	N/A
BCDDH 89-8	31.7	2.03	86.5
incl	14.	3.22	
BCRC 89-5	14.	2.56	N/A
incl	8.	3.32	N/A
BCRC 89-11	6.	2.31	N/A

In Trenching:

TRENCH	INTERVAL (m)	Au (gmt)	CN-Bottle Roll % Recovery
89C-1	114.	1.5	84.8
incl	48.	2.4	
89F-2	102.	1.5	88.0
incl	18.	5.0	
89K-1	75.	1.4	94.2
incl	15.	2.6	
89F-Road	42.	3.2	91.4

Total expenditures for 1989 were $952,000.

1990

In 1990 an extensive program of equipment trenching, reverse circulation and diamond drilling was carried out.

Noranda Personnel on site were:

Gordon MacKay	Project Geologist	Whitehorse, Yukon
Richard Diment	Sr. Site Geologist	Whitehorse, Yukon
Lena Brommeland	Site Geologist	Toronto, Ontario
Greg Gillstrom	Site Geologist	Vancouver, B.C.
Daniele Heon	Field Geologist	Montreal, Quebec
Dave Kelsch	Field Geologist	Whitehorse, Yukon
Natalie Hachey	Junior Geologist	Montreal, Que.
Merv Tew	Camp Supervisor	Carmacks, Yukon
Bruce Bark	Camp Manager	Cobourg, Ontario
Malcolm Lamb	Senior Assistant	Edmonton, Alta.
Gary Lee	Surveyor	Whitehorse, Yukon
Nada Templeman-Kluit	Assistant	Vancouver, B.C.
Doug Kelsch	Assistant	Whitehorse, Yukon
Michelle Robinson	Assistant	Vancouver, B.C.
Thomas Chromy	Assistant	Vancouver, B.C.
Bill Burton	Assistant	Vancouver, B.C.
Kim Traff	Assistant	Vancouver, B.C.
Everet Wicklund	Assistant	Whitehorse, Yukon
Beverly Brown	Cook	Vancouver, B.C.
Audrey Rogers	Cook	Dawson City, Yukon
Mike Duquette	Assistant Cook	Whitehorse, Yukon

Contractors:

Mid-Night Sun Drilling Whitehorse, Yukon	Reverse Circulation Drilling
E. Caron Diamond Drilling Whitehorse, Yukon	Diamond Drilling Road Construction Trenching
Amerok Geophysics Whitehorse, Yukon	IP and Magnetics surveys
G. Clark and Associates Whitehorse, Yukon	Linecutting
Trans North Air Dawson City, Yukon	Helicopter Support

Production figures for this program were:

RC Drilling	14913 m
Diamond Drilling	1288 m
Trenching	6244 m
Access Roads	8000 m
Litho Samples	9740 samples
Soil Samples	1247 samples
Linecutting	53.5 km
Magnetometer	44 km
IP	34.5 km

Total expenditures for 1990 were $2,213,400.

CHAPTER TWO: GEOLOGY

2-1: REGIONAL GEOLOGY

The property lies within the Selwyn Basin physiographic province and is located 20 km from the southwestern boundary. This boundary is formed by the Tintina Trench a major physiographic feature which reflects the trace of the Tintina fault a dextral strike slip fault with an estimated offset of 450 km.

The Tintina fault extends from British Columbia diagonally across the Yukon at 310 deg. into Alaska. This fault is thought to have been active from late Cretaceous to mid Eocene. The Selwyn Basin in this area is described as being dominated by strongly folded and deformed Road River formation black argillite and chert which is underlain by Cambrian to Precambrian Grit unit. Major Pre-Cretaceous thrust faulting of this package to the north has placed it stratigraphicaly above late Paleozoic and Cretaceous limestones and clastics north of Antimony Mountain. This assemblage is intruded by a series of Cretaceous Syenite to Quartz Monzonite intrusives.

The regional geology has been described by L.H. Green in GSC memoir 364; Nash Creek, Larsen Creek and Dawson Map-Areas, Yukon Territory.

Some of the units present on Green's 1:250,000 116B mapsheet are summarized in Table I.

TABLE I

TABLE OF FORMATIONS

REGIONAL GEOLOGY

from L.H. Green 1972

UNIT 25: TERTIARY

Quartz Porphyry

-Quartz Feldspar, less commonly biotite, porphyritic

-quartz eyes common

-rare megacrysts of Potassium Feldspar

-most exposures are sill like bodies less than 16m thick and can seldom be traced more than 100m.

UNIT 24: TERTIARY

-andesitic volcanics with minor associated sedimentary rocks

-andesites, dark shades of grey, brown and green

-aphanitic to porphyritic with associated vesicular flows

UNIT 21: UPPER CRETACEOUS

Syenite to Quartz Monzonite

-commonly porphyritic, biotite clinopyroxene to biotite hornblende syenite

-grades locally into biotite rich quartz monzonite to quartz diorite

UNIT 16: MIDDLE TO UPPER TRIASSIC

Limestone

-black carbonaceous limestone contains abundant pelecypod fragments

-light grey weathering

-includes minor siltstone and shale

UNIT 9: ORDOVICIAN TO SILURIAN

Road River Formation

-black argillite with interbedded black and grey cherts

-rare chert pebble conglomerates and quartzites

UNIT 3: CAMBRIAN TO PRECAMBRIAN

Grit Unit

-formation contains impure quartzite, grit, quartz pebble conglomerate shale, slate, minor limestone and black chert

Thought by L.H. Green to possibly be infolded with Road River formation in the area of the property.

2-2: PROPERTY GEOLOGY

2-2-1: Introduction

Geology by Green (1972) indicates the property to be underlain by Ordovician to Silurian Road River sediments described as being black flaky argillites with interbedded grey to black cherts. This unit is shown to be intruded by small dykes or stocks of upper Cretaceous Syenite to Quartz Monzonite.

Green's geology is based largely on mapping of available outcrops and was therefore hampered by the lack of exposures. The property has <1% outcrop and those outcrops that are available are either Road River cherts or unaltered Cretaceous intrusive dykes. Both of these units appear very resistant to weathering.

Rocks on the Brewery Creek property are divided into Intrusives, Sediments and Volcanics. Within these three broad classifications are many subunits.

2-3: GEOLOGY

2-3-1: Intrusive

All the intrusives on the property are believed to be coeval and are classified as Biotite Quartz Feldspar Porphyritic Monzonite/Syenite. Differences in alteration and oxidation make some samples appear different, however, the remnant mineralogy and general texture are all consistent.

Age dating of zircon by the GSC geochronology department in Ottawa returned an age of 91.4 MY +-.2. This is approximately the same age as the large Cretaceous plutons to the north (ie.

Tombstones and Antimony Mt.).

For purposes of mapping and exploration the intrusive has been divided into three subunits:

F*INT

This is intrusive that shows no evidence of hypogene alteration.

The identifying key is the presence of fresh black biotite. In surface trenches this material is often Gros (Wayne Reid driveway material), decomposed intrusive with 20 to 50% black biotite.

This unit may be brown, green, blue or grey, but is always darker than the other intrusives.

This unit has not been found to carry mineralization to date.

QFP

This rock type has the same protolith as F*INT however the QFP has undergone extensive hypogene alteration. This is characterized by the alteration of biotite to pyrite, sericite and clay, general destruction of igneous textures and introduction of varying amounts of secondary Quartz. QFP has no black biotite.

This unit may be white, blue, grey or greenish/grey and is always a lighter colour than F*INT.

This unit may be mineralized and generally contains 1-5% disseminated sulfides.

INT

This is the oxidized equivalent of QFP. The colour is rusty brown to whitish brown.

This unit may be mineralized and does contain the majority of the properties reserves.

2-3-2: Volcanic

VOL

This unit forms the northern contact of the Moosehead zone and is classified as Pyroclastic Leucocratic Ash to Lapilli to Block Tuff. The fragments are composed of weakly layered ash tuff which appears indistinguishable from the matrix ash. Locally this unit contains upto 20% small quartz eyes and commonly has pyrite contents >5%. It may also be very calcareous. This unit is light to dark grey and mottled.

A minor volcanic unit occurs on the northwest edge of the Moosehead zone. This is dark green, fine grained and locally vesicular andesite to basalt.

2-3-3: Sediments

There are a variety of sediments on the property, the most common is the black flaky argillite which occurs in contact with the intrusive. This unit hosts minor bedded barite and grey to black chert horizons. The presence of these subunits suggests that these rocks are part of the Road River formation.

Three other distinct packages of sediments are present on the property. These are a polymictic conglomerate, a fissile mudstone and a fossiliferous limestone.

ARG

Black flaky Argillite

This unit is found in contact with the intrusive throughout the property and appears to often be the locus of fault movement. When the argillite is on the footwall of a fault contact it is often very black and has the consistency of soil. Away from the footwall fault contact, in the hanging wall or in sections which are contained entirely within intrusive, remnant bedding and sedimentary textures are often discernable. Argillite directly in contact with mineralized intrusive is commonly mineralized.

BARITE

Bedded barite is contained in a limy horizon within argillite below the footwall fault contact on the north end of the Kokanee zone. Light grey to white usually calcareous and very heavy (pers. com. Mac Lamb).

POLYMICTIC CONGLOMERATE

This unit occurs west of the camp and its boundaries are undefined. Clasts are predominately chert with lesser argillite. Locally brecciated and silicified. This unit has not been found to host significant mineralization.

MUDSTONE

Fissile Mudstone is the host of mineralized quartz stibnite veins in the Pacific zone. The colour is dull grey/green.

LIMESTONE

Limestone which is dark grey to black, locally fossiliferous, occurs one km south of the Kokanee zone. This

unit is locally recrystallized.

2-4: STRUCTURE

The property is dominated by a south dipping zone of thrust faulting which trends across the property at ~066 degrees. This major structure is crosscut by two sets of high angle structures. One that trends 140 degrees to 165 degrees and the other that trends sub-parallel to the trend of thrust faulting.

Mineralization is associated with imbrication of the thrust within the host intrusive.

2-5: GEOLOGY & MINERALIZATION BY ZONE

For section summaries of all fences drilled see Appendix III.

2-5-1: Lucky Zone Geology & Mineralization

Geology:

The geology in the Lucky Zone is dominated by an imbricated thrust fault that strikes at ~050 degrees and dips to the south. The dip of this feature steepens rapidly toward the north end of the sections.

The thrust fault is cut by two high angle faults. One strikes at ~156 degrees and separates section 22791E from section 22838E. This is a dextural strike slip fault with approximately 75m of offset. The other high angle structure strikes at 045 degrees and cuts off the northern most hole on sections 22696E, 22748E, 22791E and 22838E. This structure strikes sub-parallel to the thrust fault and has an undetermined offset.

Mineralization:

Gold is hosted within brecciated intrusive and associated with intense phyllic alteration, quartz stockwork and flooding. Brecciation appears to be most extensive near the northern edge of the sections where the thrust fault begins to steepen.

This zone is open to the east, west and down dip. There is some potential for another mineralized thrust package to the south.

2-5-2: Golden & South Golden Zone Geology & Mineralization

Geology

The Golden Zone was separated into two parts: Golden Zone and South Golden Zone. The Golden Zone consists of the section north of the creek (located at 19650N) while the South Golden is located south of the creek.

The geology in the South Golden Zone consists of three thrust sheets of porphyritic intrusive. The intrusive in these sheets is oxidized to a maximum depth of 32 meters. The thrust strikes at ~080 degrees and dips to the south.

The geology in the Golden Zone consists of a series of four or more thrust sheets of porphyritic intrusive. The intrusive in these sheets is oxidized to a maximum depth of 44 m. The strike of the thrust series ranges between 050 and 070 degrees and dips to the south. A series of high angle structures, often represented by quartz veins (up to 1 m thick), are also evident in the zone and strike between 060 and 080 degrees but are very poorly defined.

Mineralization

The majority of the mineralization in the South Golden Zone is confined to the middle thrust sheet with discontinuous mineralization occurring in the upper thrust sheet. The thickness of the middle wedge averages 40 metres with the level of oxidation reaching a maximum of 34 metres. The mineralization appears to be confined to the nose of the thrust and is discontinuous down dip. The extent of the mineralization in this zone has not been defined and further drilling to the northeast and southwest is required.

The mineralization in the Golden Zone is contained in the upper three thrust wedges of the four thrust sequence. The most continuous zones of mineralization are located in the top two wedges, with a more discontinuous but highly mineralized zone being located in the third thrust sheet. As in the South Golden Zone, the mineralization appears to be confined to the nose of the thrust as it steepens near surface. The mineralized porphyritic intrusive in this zone is oxidized to a maximum depth of 36 metres but on occasion the unoxidized quartz feldspar porphyry is mineralized. The high angle structures in the Golden Zone are thought to play an important role in the mineralization of the intrusive. Although some of the highest grades on the property are contained within quartz veins located in these high angle structures they are not clearly understood. The extent of mineralization in this zone has not yet been defined. Further drilling to the southwest and northeast is required.

2-5-3: Kokanee Zone Geology & Mineralization

Mineralization in the Kokanee Zone is hosted by quartz stockwork zones within the limonitic intrusive. The stockwork consists of white to dull grey quartz veins up to 1cm thick. Alteration reaches an extreme in the K6 trench where large quartz fragments (up to 10cm) are contained within a white clay fault gouge. This trench contains the highest grade intersection on the property, producing .5 ounces/ton Au over 6m. The stockwork (and associated mineralization) is closely associated with repetitive argillite-intrusive contacts, representing thrust slices. The orientation and number of these tectonic slices vary considerably, forming three distinct mineralized zones.

1) 20620E/20960N to 20740E/19850N

This area consists of four to five stacked thrust slices striking 106 degrees and dipping 20-30 degrees southwest. Significant mineralization ($\geq$1.5g/6m) is primarily confined to one intrusive slice 10-30m thick. Grades are generally higher and more continuous up dip averaging 2.0g/tonne Au over 20m. BCRC90-257, the furthest hole up dip, intersected 6.76g/Au tonne over 10m.

Although this thrust slice can be followed northeast to 20775E (K10 trench), mineralization is abruptly cut off between 20755E and 20775E. Unfractured biotite rich intrusive, intersected in BCRC90-121 and 122, may have acted as a barrier preventing the mineralizing fluids from travelling further along the thrust. However, mineralization remains open down dip west

of 20363E (K3 trench).

High grade intersections of 3.83g/8m in BCRC90-127 and 6.66g/22m in BCRC90-255 may be the results of a separate thrust splay. Further drilling to the southeast is needed to better define structural controls and extent of mineralization.

2) 20780E/20000N to 21240E/19920N

This 460m trend roughly defines the surface expression of a steeply dipping thrust defining the northern limit of intrusive in the Kokanee Zone. The thrust strikes 066 degrees between 20780E and 20860E and 086 degrees between 20860E and 21240E. The dip steepens from 40 degrees at depth to 60 degrees near surface.

Mineralization dips steeply, confined along the hanging wall intrusive of the thrust. Grade is very consistent along strike and increases up dip averaging 5 to 10 grams/tonne Au over 10m. This high grade mineralization at surface can be attributed to the steepening of the thrust which caused greater imbrication. Furthermore, the footwall argillite may have acted as a trap, which concentrated gold bearing solutions at the toe of the thrust.

3) 21000E/19860N to 21060E/19760N

Two to three stacked intrusive slices strike 090 degrees and dip 50 degrees southeast. The style of mineralization is similar to Zone #2 in that grade increases up dip along the thrust. BCRC90-139 intersected 3.22g/tonne Au over 36m which was the highest grade intercept over the longest interval on the property. However, both the hanging wall and footwall intrusives

are mineralized implying that greater imbrication has occurred along the footwall here than in Zone #2. Mineralization remains open along strike.

2-5-4: Fosters Zone

Geology

Geology in the Fosters Zone is dominated by five thrust faulted wedges of porphyritic intrusive and Road River sediments. The base of each of the wedges is characterized by fractured argillite. These thrusted wedges have a strike of approximately 080 - 110 degrees and dip to the south. The thrust wedges appear to be changing dip from south/southwest at 20100E to southeast at 20200E. The undulatory nature of the thrust faults in this zone combined with topography effects makes geological interpretation very difficult.

Mineralization

The majority of the mineralization in the Fosters Zone is confined to the upper intrusive wedge. This wedge varies in thickness from 5 to 40 metres and has a minimum strike length of 300 meters. The oxidation level in this thrust sheet extends from surface to the argillite at the base of the wedge (maximum depth drilled in intrusive is 40m). Mineralization appears to be confined to the nose of the thrust and is very discontinuous down dip. The extent of mineralization in this thrust sheet has been defined to the west but further drilling is required to determine the eastern extent of mineralization.

Minor mineralization occurs in the thrust sheet located

below the upper sheet. This mineralization is discontinuous down dip and along strike.

Due to the structural complexities of the Fosters Zone further drilling will be required in order to fully understand the geology and mineralization.

2-5-5: Canadian Zone Geology & Mineralization

Geology

The geology of the Canadian Zone consists of imbricated thrust slices of quartz monzonite separated by lenses of argillite which strike 120 degrees and dip gently at 5-20 degrees SW. The intrusive displays pervasive phyllic alteration with intense quartz stockwork zones localized along intrusive/argillite (thrust) contacts. Quartz veins are clear to dull grey in colour ranging from 1mm to 2cm in thickness. Oxidation, defined by the presence of limonite in the intrusive, extends from surface to a depth of 40m. Below this depth the intrusive is largely non-limonitic containing 1-2% pyrite.

Mineralization

Gold mineralization is confined to intensely limonitic (5-10%) quartz stockwork zones within the intrusive. The argillite is primarily unmineralized, but can contain up to 2.0g/tonne Au within 2-4m of intrusive contacts.

Stibnite veins (1-20cm thick) are very common. However, they contain very little gold mineralization. Silicified intrusive clasts within these veins imply that stibnite may represent a later hydrothermal event which migrated along the

same structures as gold.

Mineralization extends from surface to a depth of 30m where it is abruptly cut off by a thin unit of graphitic argillite (i.e. thrust) striking 120 degrees and dipping 5-20 degrees SW. Although intrusive below this contact displays pervasive phyllic alteration, it is unmineralized. Grade is consistent along strike but fails to continue down dip. This concentration of mineralization near surface can be explained by the following structural characteristics.

1) The steepening of the thrust near surface from 5-20 degrees causes greater imbrication.

2) Thrusts commonly imbricate into several secondary thrust splays near surface creating more channel-ways for mineralizing solutions. (e.g. section 19660E - C4 trench).

Drilling has defined a 10-30m thick zone of significant mineralization averaging 2.0g/tonne Au. This area extends 400m along strike and between 50 and 100m down dip of the intrusive thrust slice. Mineralization remains open to the south along strike.

2-5-6: Blue Zone Geology & Mineralization

Geology

The Blue Zone geology exhibits the same pattern of alternating intrusive and argillite seen in the rest of the Brewery Creek Zones. Not enough work has been done in this zone to determine if the intrusive is thrust emplaced. The intense quartz and stibnite veining found in Trenches B2 and B4 suggests

some movement along the contact, near BCRC90-247 and BCRC90-238, but whether these two contacts are related is still unclear.

The large outcrop of intrusive exposed in Trench M8 and B3 appears to be faulted to the west near 19650E. The creek valley running grid northsouth near 19650E may trace this fault. All intersections of intrusive encountered in trenching and drilling in the Blue Zone are strongly oxidized.

Mineralization

The most significant mineralization in the Blue Zone was found in Trench B2 (2.56g/24m). Drilling has shown that this mineralization continues at depth (3.34g/24m). Mineralization differs from most on the property because both the sediments and intrusive are mineralized. The trench and drill results show this zone to be intensely veined (quartz and stibnite) suggesting it is a shear zone. Further drilling will be needed to test the width of the zone.

Drilling of the mineralized zone in Trench B4 (2.74g/24m) has shown that the mineralization continues down dip but the grade drops off at depth (1.2g/4m). The large package of intrusive seen in Trench B3 and M8 is unmineralized at surface, except for the upper contact (1.43g/3m), which was tested by BCRC90-246 (1.69g/2m). Further drilling will be needed to test this mineralization along strike and down dip.

2-5-7: Moosehead Zone Geology & Mienralization

Geology

Geology in the Moosehead Zone is dominated by three thrust

faulted wedges of porphyritic intrusive separated by bands of black argillite. All thrusted wedges have a strike of approximately 035 to 050 degrees and dip from 40 to 50 degrees to the southeast. This series of thrust faulted intrusive/argillite wedges are underlain by a package of volcanics. The volcanics consists mostly of block to lapilli to ash tuff, with a band of brecciated argillite separating it from the overlying intrusive and argillite.

A left lateral fault, striking approximately 150 degrees, offsets the thrusted units by 60m in the centre of this zone.

Mineralization

Most of the mineralization in the Moosehead Zone occurs in the centre intrusive wedge. This wedge is 20-30 metres thick, with a strike length of 500 to 600 metres. This zone is still open to the west, but trenching (M-7) suggests the mineralization pinches out around 18700E. Mineralization in the western end of this wedge also pinched around 19200E, although soil anomalies suggest the zone may extend as far as 20000E. Oxidation level in this zone extends on average to 30m depth.

Mineralization in the lower wedge is spotty, showing grades of over 1.5g/6m in only a few sections.

The upper wedge showed anomalous mineralization (500-1000ppb) in the trenches, but failed to intersect any significant zones in drilling. This wedge is much larger than the two below and its strike length to the west is unknown.

2-5-8: Pacific Zone Geology & Mineralization

Geology

In the vicinity of 17000E, the Pacific Zone is dominated by low angle structures (imbricated thrust) which strikes approximately eastwest and dips to the south at ~20 degrees. These structures are marked by one to five metre bands of clay gouge and commonly stibnite veins. Very often they form the contact between units.

There are two main units in this zone; altered biotite quartz feldspar porphyritic mononize/syenite and fissile grey/green mudstone.

Mineralization

The mineralization is restricted to a zone of quartz stibnite veining which is ~20m true thickness and is found to occur within the fissile mudstone in close association with the structure. This is the only area on the property where significant mineralization is hosted entirely within sediments.

The eastern part of this zone, in the vicinity of 17626E, has a low antimony signature and more properly should be within the Moosehead Zone. Further work will define this.

For section summaries of all fences drilled see Appendix III.

2-6: Specific Gravity Tests

The specific gravity of both the limonitic intrusive and wall rock argillite were tested on site at Brewery Creek in 1990. Sixty-two samples of limonitic intrusive were tested with an

average specific gravity of 2.6. Six sample of wall rock argillite were tested with an average specific gravity of 2.7, see Appendix I for results.

2-6-1: Method

1) Samples were dried and weighed in air.

2) Samples were soaked (tests on 10 samples showed no change in buoyant weight after four hours of soaking) for 24 hours in water to eliminate trapped air, then weighed suspended in water.

3) Samples were redried and the weight was compared to the original dry weight to check for loss due to dissolved fines. Samples with significant weight change were rejected.

4) Specific gravity was calculated by:

Specific Gravity = weight in air/(weight in air-weight in water)

CHAPTER THREE: GEOCHEMISTRY

3-1: SOIL GEOCHEMISTRY

3-1-1: Introduction

The intrusive hosted epithermal system at Brewery Creek is anomalous in Au, As, Sb and Hg. Zn and Pb anomalies are characteristic of the surrounding Road River sediments. Ag is weak and erratic, associated with Zn and Pb in the sediments and Au in the intrusive.

Au

There is a close association between gold and the intrusive. Au soil geochemistry defines two major trends.

1) A 6km long, 500m wide, anomaly trending 080 degrees representing the Pacific, Blue, Canadian, Fosters, Kokanee, Golden and Lucky Zones. This anomaly also subparallels the regional thrust fault which is believed to have created a plumbing system for the mineralizing fluids.
2) A 1km, 200m wide, anomaly trending 045 degrees represents the Moosehead Zone.

Both of these anomalies coincide very well with the surface expression of the intrusive.

There is only one area where the intrusive does not correlate with Au. A strong anomaly exists between 21600E and 22000E, 21000N and 20300N. This area is underlain by brecciated and silicified sediments. Drilling in this area has intersected anomalous intrusive at depth, representing a hydrothermal source for the anomaly.

As

There is a strong correlation between As and Au. Arsenic values are generally 1000 times greater than gold (1000ppm As = 1000ppb Au). As is slightly more disperse in the surrounding Road River sediments, but still reinforces the two major Au trends.

Hg

Hg is the most disperse element anomalous in both the intrusive and Road River sediments; nevertheless, Hg defines three major trends:

#1) 16600E, 21700N to 18000E, 20000N trending 120 degrees.

#2) 18200E, 20500N to 20200E, 21300N trending 045 degrees.

#3) 20600E, 21300N to 23600E, 19000N trending 120 degrees.

Anomalies #1 and #3 may represent the strike of the thrust fault which has been offset by a secondary structure (#2).

Sb

Sb also correlates very well with Au but is restricted to the major 6km gold trend. This implies that Sb may represent a later mineralizing event which was confined to the thrust fault. However, Sb is absent along the #3 Hg trend. This can be explained by high angle faulting in the Golden Zone which may have sealed the plumbing system preventing antimony from travelling further along the thrust.

3-1-2: Discussion

The property lies within an unglaciated region of the Yukon, where a well developed B soil horizon has been preserved. Soil

profiles range in thickness from 40cm on ridge tops to over 115cm on slopes. The well-developed soil horizon, coupled with less than 1% outcrop on the property, have made soil sampling a very valuable tool in delineating the mineralized intrusive. However, interpretation of soil geochemistry must account for shifting and masking of anomalies caused by downslope movement, loess deposits and permafrost.

Downslope movement is very common on steep slopes. An example of this occurs in the Kokanee Zone where at the sediment-intrusive contact argillite has moved downslope forming a "C" horizon over the intrusive bedrock. This movement produces a downslope shift in geochemical anomalies, but more importantly masks the geochemical signature of the mineralized intrusive.

Loess deposits, consisting of fine grained wind blown silt, are commonly found overlying soil profiles. It is apparent from trenching results that geochemical anomalies are quite easily masked in depressed areas and on gentle slopes where loess deposits may exceed a metre in thickness.

Soil sampling is hampered by permafrost on north-facing slopes. Anomalies on these slopes are usually strong but very spotty. Although these anomalies are erratic, they should not be overlooked since permafrost may be masking bedrock geochemistry.

3-1-3: Soil Sampling Program

In 1990 the soil grid was expanded west 2.2km (17000E to 14800E) and east 1.4km (22400E to 23600E). To the west, Au, As and Sb geochemistry values become very weak. Ag values are

strong but erratic. This geochemical signature suggests that the western edge of the grid is underlain by sediments; however, topography is gentle and loess deposits may be thick enough to mask bedrock geochemistry. To the east Au, As, and Sb geochemistry remains strong trending at 110 degrees. This anomaly between lines 23200E and 23600E straddles a creek valley. Trenching and drilling will be needed to test if the anomaly is indicative of local bedrock or has been transported downstream.

A total of 1354 soil samples were taken in 1990. These samples were sent to Acme Analytical in Vancouver for 30 element I.C.P. analysis plus atomic absorption for Hg. Noranda's Lab in Vancouver analysed for Au using atomic absorption. All assay results are listed in Volume I.

3-2: LITHO GEOCHEMISTRY

All litho samples were sent to ACME Analytical Laboratories in Vancouver. The samples were crushed and then split with a split pulverized to -200 mesh. A 10gm sample was then digested in hot aquaregia. Analysis by ICP was done for 32 elements. Gold and mercury were analysed separately by AA and flameless AA respectively. Fire assay checks for Au indicate that although errors are within acceptable limits analysis by aquaregia AA is systematically slightly higher than analysis by fire assay.

CHAPTER FOUR: GEOPHYSICS

4-1: INTRODUCTION

The 1990 geophysics program consisted of expanded magnetometer and I.P. surveys totalling 45.7 and 30.7 line km respectively.

Results from the magnetometer survey show that oxidation of the intrusive has produced a depressed magnetic signature which is similar to the surrounding Road River Sediments. The magnetic high centred at 20800E, 20350N is due to unmineralized porphyritic dykes containing 3-5% disseminated pyrrhotite.

Results from the I.P. survey defined a 5km east-west trending zone of moderate resistivity and chargeability which subparallels the outline of the intrusive. Although the survey was useful in delineating structures and mapping geological units, it was unable to distinguish between barren and gold bearing intrusive. The mineralized zones are commonly narrow consisting of silicified intrusive in contact with graphitic sulphide rich argillite. This contact relationship between resistive and conductive units may cause a nondescript diffuse I.P. effect. Closer dipole spacing may be needed to define these mineralized contacts. The strongest I.P. anomalies are associated with sulphide rich, graphitic and silicified argillite, far removed from mineralized intrusive zone.

4-2: CHRONOLOGICAL SUMMARY (from Wong, Nov. 1990)

Geophysical surveys consisting of Total Field Magnetics, HLEM and limited Induced Polarization were completed in 1989.

Initially the objective of the mag and HLEM was to help map contacts between intrusives and argillites with geochem anomalies directly related to the intrusives. The HLEM was not successful in this application. The objective of the I.P. survey in conjunction with geochem sampling was to help map mineralized zones.

1989 I.P. results did not pinpoint any specific targets however the trends picked out by the I.P. interpretation appeared to agree fairly well with trends outlined by trenching and drilling. Spectral analysis with inconclusive results of selected 1989 I.P. lines was performed to discriminate between ore bearing and barren responses. The magnetics mapped a thumbprint high within undulating magnetic terrain. This high was interpreted to be sourced by an intrusive body and modelling has indicated the source to be flat lying.

The 1990 program consisted of expanded magnetic and extensive I.P. coverage. I.P. surveys were completed in June while magnetics were completed in late September. Targets based on the I.P. results were compiled in June and sent to the field site.

4-3: INSTRUMENTATION (from Wong, Nov. 1990)

The magnetics surveys in 1989 and 1990 were both carried out with EDA Omni4 Plus magnetometers. The EDA system records the Total Magnetic Field with an accuracy of within 1 nT with readings corrected for diurnal by the use of a recording magnetic base station. 1989 magnetic surveys were done by MPH Consulting

Ltd. and Noranda personnel. The 1990 magnetic survey was carried out by Amerok Geophysics of Whitehorse, Yukon. 45.7 km of line were surveyed in 1990.

The 1989 time-domain I.P. survey was carried out by MPH Consulting using an EDA IP6 receiver and a transmitting period of 8 seconds, 50% duty cycle. Dipole spacing of the double dipole array was 25m with readings recorded to n=5.

The 1990 time-domain I.P. survey was performed by Amerok Geophysics of Whitehorse. A Phoenix IPT-1 transmitter powered by a Phoenix MG-1 motor generator capable of producing 1.2kw of power operated with a period of 8 seconds, 50% duty cycle. A BRGM IP6 receiver unit was used. The double dipole electrode array was used with a dipole spacing of 25m with n=1 to n=6 being recorded. Chargeability was measured in mV/V. A total of 30.7km of line was surveyed.

4-4: DISCUSSION OF RESULTS (from Wong, Nov. 1990)

4-4-1: I.P. Survey

As a result of the interpretation of the 1990 I.P. data the 1989 data has been reinterpreted with a background chargeability level of 5 mV/V.

Considering the widespread and diffuse nature of gold mineralization on the property a big picture approach would be the most effective way of analyzing the data. As a result 1:10000 plan maps of n=2 chargeability and resistivity have been plotted with the interpretation bars of all I.P. data compiled onto these maps. 1:20000 colour plan maps of the n=2

chargeability and resistivity data is also included.

The plan maps show definite zonations of different chargeability/resistivity signatures.

A region of very low chargeability/moderately high resistivity is found at the centre of the grid. Surrounding this central area is a distinct ring-like expression of moderate to high chargeability/low resistivity signatures.

The west half of the ring is composed of a broad band of moderate chargeability/low resistivity values which host the Moosehead and Canadian/Kokanee Zones. This broad band labelled T.2 itself appears to be a subset of the large ring with a low M core surrounded by the band of moderate M and all encompassed by high resistivity zones as indicated on maps.

The east half of the ring exhibits very high chargeability with coincident very low resistivity values. This zonation type is indicated by T.1 on the plan maps. The pseudosections show the sources of these intense anomalies to swell up from L.20400E until they form an almost continuous near surface zone on L.20800E. It is speculated that a N - S structure (west dipping fault?) not obvious from the maps may have played a part in bring this strong I.P. zone close to surface. 1990 drilling on the response at L.20800E/20287.5N within T.1 returned abundant sulphides with no gold content.

The resistivity map shows two high responses at L.20400E/20500N and L.21000E/20600N coincident with low chargeability values and symmetrical about an apparent NW - SE

break. This is a direct opposite of the T.1 signature and may simply indicate a lack of sulphides within the T.1 domain. A complementary break to the resistivity break is shown by the chargeability map. Other breaks are also shown within the T.1.

The character of the responses abruptly changes east of L.20800E. This sudden break is marked by the band of low chargeability and resistivity values of L.21000E and L.21200E. East of this break the next major signature type encountered exhibits high chargeability with high resistivity (Type T.3). Type T.3 is limited to a specific area by structures as shown and its chargeability values are not as high as those of T.1. 1990 drilling at a target located at L.21600E/20887.5N within T.3 returned barren looking rock with no sulphides evident in the hole.

Another chargeability/resistivity signature type is evident west of L.18400E where chargeability and resistivity values are generally lower than elsewhere on the grid. Overall there is more activity (chargeability and resistivity wise) at the east than the west side of the grid.

T.1 and T.3 features found on other areas of the grid may be structurally emplaced. e.g. T.3 at the south ends of L.17600E, 18000E, /T.1 at south ends of L.21600E, L.22000E.

4-4-2: Magnetometer Survey

It should be noted that the magnetometer and I.P. surveys were performed on separate grids, i.e. the survey grids are offset from each other by approximately 100m E - W and 100m N -

S. For now, I.P. and magnetometer results are presented separately and interpreted on a qualitative sense.

The magnetometer survey has outlined several interesting features. A regional response exhibiting large values is evident at the grid's south edges possibly representing intrusive. The thumbnail mag high located north of the baseline is closely associated with the T.1 signatures. Geological investigations have shown the presence of dykes within this mag high. Dykes or a sill structure would corroborate with flat lying structures indicated by modelling results. Isolated mag highs located at the south end of L.21800E and at L.21400E/19550N are also closely associated with T.1 signatures.

Magnetic depressions enclosed by the -25nT contour partially surround the thumbnail mag high. The largest depression, found to the SW of the mag high, appears to be in contact at its northern and western edge with rocks of slightly higher susceptibility. A N - S lineament also appears to be expressed by the depressions's west edge. A N - S lineament has also been interpreted at the depression's east edge to run just on the east side of the thumbnail mag high roughly coinciding with the abrupt I.P./resistivity character break mentioned above. Two other lineaments are also shown at the west end of the grid.

As with chargeability and resistivity, magnetic activity is more pronounced on the east compared to the west side.

4-5: CONCLUSIONS (from Wong, Nov. 1990)

Ringlike zonations of resistivity and especially chargeability are typical of porphyry systems. The highest chargeability values such as expressed by T.1 probably are due mostly to barren sulphide zones as revealed in the drilling.

The geophysics signature types outlined may not necessarily be reflecting distinct alteration zones. A radiometrics (spectrometric) survey may be used to map the potassic alteration zone commonly found in porphyry systems which would help in further identifying the various alteration zones.

Type T.3 (moderate I.P. and very high resistivity) may represent highly siliceous rock.

Type T.2 (moderate chargeability, low resistivity, low to moderate magnetics) appear to host the Moosehead and Canadian/Kokanee Zones and may be representative of the target signature. Clay altered rocks, e.g. Canadian Zone, could possibly contribute significantly to the measured I.P. signals and account for the difficulty of I.P. in delineating specific targets.

Faulting and structure appear to be significant in emplacing various features outlined by geophysics. A system of N - S block faults as suggested by the magnetics lineaments and the I.P. could account for the varying E - W geophysical signature across the grid by uplifting different levels (depths) of the porphyry system. Deep drilling on a coarse spacing E - W across the grid could test this theory.

While the geophysics has not been able to pinpoint specific targets the information it has gathered has the potential to contribute greatly to understanding the geology of the property. Efforts should be made to integrate information from both geology and geophysics data sets so that maximum benefits are obtained from this and similar future projects.

CHAPTER FIVE: TRENCHING

5-1: INTRODUCTION

In 1990 42 trenches were excavated on the Brewery Creek property. The average trench length was 150m, with an average depth of 1.5m. The purpose of the trenching program was to test the geochemical anomalies discovered during the 1989/90 soil sampling program. This chapter will discuss strategy, equipment, sampling procedures and problems encountered during the 1990 trenching program. A summary of significant results can be found in Section 5-7. Complete trench logs and assay results can be found in Volume II and I respectively.

5-2: STRATEGY

Trenches on the property were generally orientated grid N-S (156 degrees), which is approximately perpendicular to the strike of the anomaly outlined by the soil sampling survey.

There were two exceptions to this orientation;

1) BCTR90G-4E (290 degrees) was dug to expose and test a massive quartz and stibnite vein, extending from the northend of BCTR90G-4.

2) BCTR90E-1 (299 degrees) tested a section of altered limonitic intrusive exposed during road construction.

5-3: EQUIPMENT

Trenches were stripped using a D-7E CAT and excavated using a Hitachi UH-9 excavator. An average of two days were needed to strip, excavate, sample, and map each trench. Manpower consisted of one heavy equipment operator, one geologist and one or two

sampling assistants.

5-4: SAMPLING & ASSAYING PROCEDURES

Trenches were picketed out in 3 metre intervals, for sampling and mapping, using a nylon tight chain. Three metre continuous samples were taken along the base of the trench walls. The 3 metre sample interval was lengthened in parts of several trenches to account for overburden and long sections of unmineralized sediments. Separate "grab" samples were also taken, at the discretion of the supervising geologist, to test separately any large quartz and/or stibnite veins exposed in the trench.

Sample analysis was done by Acme Analytical Laboratories in Vancouver. All samples were analysed for 30 elements by ICP and for Au and Hg by atomic absorption. Trench logs and assay results are listed in Volume II and I respectively.

A summary of significant trenching results and corresponding drill fences can be found in Section 5-7.

5-5: PROBLEMS

The 1990 trenching program encountered very few problems. The Hitachi UH-9 excavator performed well, having little difficulty penetrating the heavily fractured bedrock.

The following minor problems were experienced:

1) All trenches in the Pacific Zone were subject to flooding immediately after excavation. In this flat lying zone the bedrock/overburden contact seems to act as an aquifer, flooding the trench immediately after the contact is disturbed. Berms

were used to contain water in some sections of Trenches P-1, 3, 4 and 5.

2) Permafrost was encountered in a few areas on the property, mostly on north facing slopes. Permafrost hampered digging in several spots in the Golden and Lucky Zone. Sluffing of the trench wall after thawing hampered sampling and mapping in these trenches. In trenches that encounter permafrost, it is recommended, that sampling and mapping take place as soon as possible after excavation to ensure representative results.

5-6: SUMMARY OF 1990 PRODUCTION

No. of Trenches	42
Total Distance	6,244m
Average Trench Length	150m
Sample Interval	3m
Average Depth	1.5m
Total No. of Samples	1,885

Summary of trench results:

(N.T.D.) = anomaly not tested at depth by drilling.

(N.S.R.) = no significant results.

5-7: RESULTS SUMMARY

5-7-1: Lucky Zone

TRENCH	STARTING GRID CO-ORD	Au (gmt)	WIDTH (m)	CORRESPONDING DRILL FENCE SECTIONS
90L-1	22840.00E 19903.00N	1.29 1.38 1.61 2.05	9 6 3 3	22838E

TRENCH	STARTING GRID CO-ORD	Au (gmt)	WIDTH (m)	CORRESPONDING DRILL FENCE SECTIONS
90L-2	22741.50E 19861.50	2.18	6	22748E
		EXTRA		
90E-1	18520.0E 19490.0N	(N.S.R.)		---
5-7-2: Golden & South Golden Zone				
90G-1	21768.07E 19932.83N	1.07 3.33 1.43 1.71 5.38	9 9 3 3 21	21767E
90G-2	21862.87E 19963.02N	1.27 1.20 3.33	9 6 3	21896E
90G-3	21653.02E 19934.75N	2.15 1.66 1.18 1.74	21 9 3 3	21653E
90G-4 & 90G-4E	21855.14E 19919.74	1.78 1.61	6 9	21887E
90G-5	21972.67E 19556.07N	1.27 1.21	3 12	(N.T.D.)
90G-6	22068.05E 19576.05N	1.63	3	(N.T.D.)
90G-7	21480.07E 20249.74N	(N.S.R)		---
90G-8	22038.39E 19933.45N	2.96	15	22040E
90G-9	21964.81E 19923.45N	(N.S.R.)		21951E
90G-10	22083.71E 19928.95N	3.06	15	22083E

TRENCH	STARTING GRID CO-ORD	Au (gmt)	WIDTH (m)	CORRESPONDING DRILL FENCE SECTIONS
90G-11	20506.50E 21446.90N	(N.S.R.)		---
90G-12	22135.70E 19901.50N	(N.S.R.)		---
90G-13	21802.00E 19454.00N	1.15	6	21811E
90G-14	21964.81E 19923.45N	1.50	12	21951E
5-7-3: Kokanee Zone				
89K-Road	21046.00E 19902.00N	1.70	21	---
89K-1	20824.72E 19970.13N	1.16	120	20818E
89K-2	20535.76E 19974.74N	2.17	9	(N.T.D.)
90K-3	20635.00E 19971.00N	1.67	3	20636E
90K-4	20733.12E 20027.99	1.61 2.50 1.89 1.63 1.61	3 30 3 3 6	20733E
90K-5	20933.99E 20020.02N	1.95	30	20928E
90K-6	20868.04E 20045.26N	3.44	42	20863E
90K-7	21062.85E 19888.62N	1.25	18	21065E
90K-8	21174.13E 20020.06N	2.16 2.58	3 3	21177E
90K-9	20839.94E 20031.35N	2.80	15	20818E

TRENCH	STARTING GRID CO-ORD	Au (gmt)	WIDTH (m)	CORRESPONDING DRILL FENCE SECTIONS
90K-10	20779.76E 20038.39N	2.39 1.66 7.31	12 9 3	20776E
90K-11	21072.40E 20112.63N	(N.S.R.)		---
90K-12	21066.77E 19962.35N	3.83	3	21065E
5-7-4: Fosters Zone				
89F-Road	20309.00E 19956.00N	3.19 2.13 2.91	42 15 12	---
89F-1	20346.49E 20064.91N	(N.S.R)		---
89F-1A	20246.00E 20031.66N	1.79	12	20101E
89F-2	19987.12E	1.50	102	19976E
90F-3	19776.33E 20186.91N	(N.S.R.)		19770E
90F-4	19880.58E 20118.85N	(N.S.R.)		---
90F-5	20104.92E 20114.96N	1.32	9	20101E
5-7-5: Canadian Zone				
89C-ROAD	19670.00E 20066.00N	1.73 2.31	48 9	---
89C-1	19580.21E 20214.32N	1.48	114	19588E
89C-2	19446.33E 20184.11N	2.98 1.78	9 12	19435E
90C-3	19545.50E 20188.80N	1.79	42	19545E

TRENCH	STARTING GRID CO-ORD	Au (gmt)	WIDTH (m)	CORRESPONDING DRILL FENCE SECTIONS
90C-4	19678.78E 20192.41N	1.23 1.86	84 42	19663E
5-7-6: Blue Zone				
90B-2	18448.60E 20408.70N	2.9	18	18421E
90B-3	18770.90E 20367.34N	1.48	3	18773E
90B-4	18832.50E 20462.30N	3.35	18	18835E
5-7-7: Moosehead Zone				
89M-1	19107.39E 20971.37N	1.90	18	19126E
89M-2	19066.95E 20965.20N	1.50	17	19080E
89M-3	19021.97E 20960.35N	1.77	22	19035E
89M-4	18973.81E 20960.79N	1.38	26	18999E
89M-5	18877.73E 20949.75N	1.20 2.55	10 4	18931E
89M-6	18793.60E 20936.84N	1.67	14	18827E
89M-7	18702.79E 20863.25N	(N.S.R.)		---
89M-8	18611.96E 20788.88N	1.24 1.31	6 15	(N.T.D.)
89M-9	18592.87 20991.65N	(N.S.R.)		---
89M-10	18171.11E 20618.20N	1.66	6	(N.T.D.)

5-7-8: Pacific Zone

TRENCH	STARTING GRID CO-ORD.	Au (gmt)	WIDTH (m)	CORRESPONDING DRILL FENCE SECTIONS
90P-1	17020.19E 20566.60N	1.63	6	17027E
90P-2	17556.70E 20526.70N	N.S.R. failed to penetrate overburden soil anomaly tested by drilling		17627E
90P-3	17020.90E 20572.60N	2.47	24	17027E
90P-4	17089.71E 20343.40N	1.88	6	(N.T.D.)
90P-5	16913.11E 20505.90N	5.63	3	(N.T.D.)

5-8: BULK SAMPLE TRENCHES

Trenches G10, K6, C3, and M1 were benched and deepened to approximately 8-10m to collect bulk samples for metallurgical testing. A 1,000kg sample of mineralized intrusive and a 20kg sample of both the footwall and hanging wall argillite were collected from each trench. These bulk samples were shipped to the Kappes Cassiday Lab in Nevada for metallurgical testing. The trench logs are contained in Volume II.

CHAPTER SIX: REVERSE CIRCULATION DRILLING

6-1: INTRODUCTION

In 1990, a total of 309 reverse circulation holes, comprising 14,838m were drilled on the property. The purpose of the drill program was to delineate the depth extension of mineralization exposed in trenching. Below is a brief discussion on the drilling strategy, equipment used, sampling procedures and problems encountered with the program.

6-2: STRATEGY

The epithermal style and shallow, gently dipping nature of mineralization demanded that the following drilling strategy be adopted.

1) Vertical holes were drilled averaging 50m in length. Six 45 degree holes were drilled in the Moosehead Zone where mineralization dips steeply at 45-60 degrees.
2) All drilling was done on section grid N-S (156 degrees) except in the Moosehead Zone where fences were oriented at 130 degrees. These orientations were chosen to keep sections perpendicular to the general strike of mineralization.
3) Fences were drilled on trenches to maximize continuity between mineralization on surface and at depth.
4) Fence separation was 50m with holes along section spaced 25m apart. Fence spacing was reduced to 25m where mineralization became very discontinuous and structurally complex (e.g. Fosters Zone).

6-3: EQUIPMENT

Drilling equipment consisted of a T66H Schramm air rotary mounted on a TF360 Nodwell tracked carrier. The all terrain Nodwell, when compared to the truck mounted drill used in 1989, proved to be more efficient, significantly reducing the time needed to build access roads and drill pads. Although Nodwells are commonly maintenance intensive, very little down-time was experienced. Both the Nodwell and drill had a 96% availability rate, reflecting the proficiency of the contractor.

6-4: SAMPLING & ASSAYING PROCEDURES

All reverse circulation holes were drilled dry whenever possible, to limit contamination caused by water. However, water was commonly intersected at depths below 50m and as shallow as 16m. Water also had to be injected into holes where the bedrock was unconsolidated or moist enough to cause blockage within drill rods and hoses. Samples were collected at 2m intervals off a cyclone. A Jones Splitter was used to divide each interval into a 50% split which was kept on site for future use and a 12.5% split which was used for logging and assaying.

Analysis was done by Acme Analytical Laboratories in Vancouver. All samples (7,270) were analysed for 30 elements by ICP and for Au and Hg by atomic absorption. Drill logs and results are listed in Volume II and I respectively.

6-5: PROBLEMS

The drilling program was generally problem free, resulting in one drill rig completing 309 holes in less than 4 months. An

average 12 hour shift included 3 holes totalling 150m. However due to highly fractured incompetent bedrock the following minor problems were experienced:

1) Poor recoveries were generally experienced in the first 6 metres of each hole.

2) Caving caused holes to be abandoned within mineralized intrusive (e.g. RC-318 and RC-105).

3) In the Canadian Zone south of 19900N bedrock could not be penetrated due to a thick layer of unconsolidated overburden which caused blockage in the air circulation system. Furthermore high water pressure was encountered at a depth of 30m which caused the hammer-bit assembly to float. Air pressure was not sufficient enough to displace the water and pulverize the bedrock. As a result, future drilling in this area will have to be done by a diamond drill.

6-6: ACCURACY OF R.C. DRILLING & ASSAY RESULTS

The bulk of the gold exploration results from Brewery Creek were based on acid leach/AA tests done on R.C. drill cutting, by Acme Analytical Laboratories in Vancouver. To test the accuracy of these results two test programs were undertaken.

1) Eight mineralized R.C. drill holes were twinned with diamond core holes to check for continuity of grade and geology, and to see if R.C. drilling with water effects the grade.

2) 66 mineralized samples, mostly from R.C. cuttings were reanalysed using fire assay to check for continuity of grade.

The results of these two test are summarized below:

6-6-1: Twinned Holes

Comparing the results of the 8 twinned holes showed that two had excellent grade correlation, four had significantly higher grades in the R.C. holes, and two had significantly higher grades in the diamond holes. All twinned holes showed excellent correlation of geology.

The results showed no significant correlation between % recovery in the diamond hole and grade difference between twinned holes.

Although, three of the four R.C. holes drilled with water showed significantly higher grade than their diamond twin, it is unclear whether this is a random or systematic variation. Of the four R.C. holes drilled dry, two correlated well, one diamond hole graded significantly higher, and one R.C. hole graded significantly higher. More twinning next year, to give a larger sample group might be useful.

Another possible test would be to twin some holes that have near surface intersections with a sonic drill for comparison. See Table II for a numerical summary of twinned results.

6-6-2: Fire Assay Comparison

The standard gold analysis used was acid leach/AA from a 10g sample. Sixty-six samples, grading higher than .138oz/t were reanalysed by fire assay using a one assay ton sample. The resulting assay bead was analysed for gold using AA.

The cumulative total for each analytical method was calculated and found to have a difference of 3.09%, with the acid

leach/AA values higher. This value falls within an exceptable range of error. See Table III for a list of results.

TABLE II
TWIN HOLES

TYPE	NO.	NORTHING	EASTING	ELEVATION	GRADE	LENGTH (m)	ZONE	COMMENTS	RC Wet/Dry	DIAMOND RECOVERY (in mineralized zone)
RC	17	20138.69	19545.67	850.70	1.74/16m (2-18m)*	30	Can.	good correlation of both	Dry	
DDH	10	20139.80	19546.64	850.94	1.88/15.56m (2.44-18m)	30.78	Can.	geology and grade (diamond 8% higher than RC)	/	34%
RC	25	19947.21	19663.24	817.23	3.1/26m (4-30m)	30	Can.	good correlation of both	Dry	
DDH	11	19947.21	19663.24	817.23	2.95/26m (4-30m)	40.07	Can.	geology and grade (diamond 5% lower than RC)	/	86%
RC	39	20075.77	19995.65	925.67	1.6/18m (2-20m)	30	Fos.	good correlation of geology	Wet	
					.75/17m (3-20m)*		Fos.	poor correlation of grade		
DDH	13	20076.66	19995.95	925.74	.96/12m (6-18m)	51.21		(diamond 53% lower than RC)	/	65%
RC	55	20003.45	20863.60	1063.90	7.1/14m (20-34m)	50	Kok.	good correlation of geology	Dry	
DDH	19	20004.80	20862.03	1063.96	9.5/13.15m (12-25.15m)	40.23	Kok.	fair correlation of grade (diamond 34% higher than RC)	/	85%
RC	76	19746.04	21764.92	964.02	4.75/14m (20-34m)	50	Gold.	good correlation of geology	Dry	
					1.7/14m (20-34m)*			poor correlation of grade		
DDH	21	19746.13	21759.62	964.70	2.3/10m (22-32m)	40.23	Gold.	(diamond 64% lower than RC) Note: 5.3m difference in easting collar	/	61%
RC	116	20017.41	20102.82	938.82	3.95/12m (2-14m)	40	Fos.	Good correlation of geology	Wet	
DDH	22	NO COLLAR PAD CHEWED UP			1.87/12.16m (2.4-14.6)	22.86	Fos.	poor correlation of grade (diamond 53% lower than RC)	/	40%
RC	107	20023.41	19996.22	909.28	4.3/12m (2-14m)	44	Fos.	good correlation of geology	Wet	
					1.75/11.56m (2.4-14m)*			poor correlation of grade		
DDH	23	20024.20	19996.00	909.22	2.59/7.56m (2.4-10m)	37.19	Fos.	(diamond 59% lower than RC)	/	80%
RC	105	19813.71	19656.83	779.99	2.3/10m (24-34m)	34	Can.	good correlation of geology	Wet	
DDH	24	19813.54	19657.43	780.18	3.3/10.6m (24-34.55m)	42.98	Can.	fair correlation of grade (diamond 43% higher than RC)	/	74%

* Grade recalculated for correlation with twin.

TABLE III

FIRE ASSAY vs ACID LEACH RESULTS

SAMPLE #	FIRE ASSAY Au (oz/t)	ACID LEACH Au (oz/t)
021567DR	.153	.155
021683DR	.242	.236
021686DR	.432	.400
021687DR	.393	.373
021688DR	.141	.139
021805DR	.219	.194
021806DR	.398	.352
021807DR	.242	.221
021846DR	.366	.312
021847DR	.184	.162
021869DR	.144	.141
021928DR	.143	.152
021930DR	.231	.233
021951DR	.307	.243
021952DR	.319	.265
021653DR	.299	.267
021954DR	.180	.172
022051DR	.193	.182
022058DR	.202	.208
022419DR	.230	.226
022482DR	.195	.174
022526DR	.333	.375

SAMPLE #	FIRE ASSAY Au (oz/t)	ACID LEACH Au (oz/t)
022527DR	.221	.204
022618DR	.346	.361
022619DR	.310	.304
022625DR	.171	.176
022655DR	.195	.184
022710DR	.146	.146
022729DR	.132	.158
025496DR	.175	.176
025497DR	.182	.183
025500DR	.247	.250
025532DR	.121	.144
015173DR	.151	.166
015174DR	.131	.147
015176DR	.525	.516
015177DR	.238	.258
015178DR	.394	.382
015179DR	.446	.461
015180DR	.189	.192
025641DR	.245	.269
025642DR	.230	.234
025643DR	.139	.133
025674DR	.138	.152
025675DR	.233	.258
025676DR	.209	.239

SAMPLE #	FIRE ASSAY Au (oz/t)	ACID LEACH Au (oz/t)
025748DR	.252	.299
025778DR	.102	.135
R140647	.142	.164
R140714	.158	.150
026011DR	.215	.217
026013DR	.171	.170
026525DR	.151	.202
026542DR	.244	.284
026543DR	.147	.178
026544DR	.218	.237
026545DR	.167	.195
027327DR	.198	.193
027331DR	.154	.142
028105DR	.142	.142
028236DR	.145	.164
028237DR	.221	.255
028238DR	.151	.150
028329DR	.142	.154

CHAPTER SEVEN: DIAMOND DRILLING

7-1: GENERAL INTRODUCTION

The 1990 Diamond Drilling program at Brewery Creek included 21 drill holes totalling 1288 metres. 16 HQ holes totalled 1090m of core and 5 PQ holes accounted for the remainder. HQ drilling on the property was used primarily to obtain geological information and assay results, which could then be compared with Reverse Circulation drilling, as well as to test geophysics targets. The purpose of the PQ drilling program was to obtain large core samples which could be used for bulk metallurgical testing. A discussion the two diamond drilling programs follows.

7-2: HQ DRILLING

7-2-1: Introduction

The major purpose of the HQ drill program was to twin Reverse Circulation drill holes in order to check the consistency of geological and assay information between the two types of drilling. A total of 9 HQ holes were drilled for this purpose. Of the remaining 7 HQ holes drilled in the 1990 program, 3 were used to test geophysics targets at depth and 4 were used solely to obtain geological and assay information in areas where the Reverse Circulation drill encountered difficulties. Hole locations and targets, drilling strategies, equipment used, sampling and assay procedures and problems encountered with the program as well as results are discussed below.

7-2-2: Location

The following table summarizes the locations of the HQ diamond drill holes (for a complete collar summary see Appendix II). The table also defines the type of target that was drilled.

TABLE IV

HQ DIAMOND DRILL HOLES

HOLE	ZONE	COORDINATES	TARGET
BCDDH 90-10	CDN	20139.80N, 19546.64E	Twin of BCRC 90-17
BCDDH 90-11	CDN	19947.00N, 19664.00E	Twin of BCRC 90-25
BCDDH 90-12	CDN	19888.59N, 19764.94E	Geological Target
BCDDH 90-13	FOS	20076.66N, 19995.95E	Twin of BCRC 90-39
BCDDH 90-14	KOK	20257.22N, 20796.51E	Geophysics Target
BCDDH 90-15	GOLD	20782.10N, 21602.60E	Geophysics Target
BCDDH 90-16	GOLD	20458.15N, 21580.28	Geophysics Target
BCDDH 90-17	GOLD	20526.50N, 21458.40E	Geological Target
BCDDH 90-18	KOK	19967.40N, 20928.20E	Twin of BCRC 90-52
BCDDH 90-19	KOK	20004.80N, 20862.00E	Twin of BCRC 90-55
BCDDH 90-20	KOK	20004.80N, 20862.00E	Geological Target
BCDDH 90-21	GOLD	19746.13N, 21759.62	Twin of BCRC 90-76
BCDDH 90-22	FOS	20017.00N, 20104.00E	Twin of BCRC 90-116
BCDDH 90-23	FOS	20024.20N, 19996.00E	Twin of BCRC 90-107
BCDDH 90-24	CAN	19813.54N, 19657.43E	Twin of BCRC 90-105
BCDDH 90-25	CAN	19788.71N, 19649.33E	Geological Target

7-2-3: Strategies

a) TWINNED HOLES

i) Vertical holes were drilled, generally within a 1 metre radius

of Reverse Circulation hole collar, to a depth previously defined by R.C. hole mineralization (average depth 41m).

b) GEOPHYSICAL HOLES

i) Vertical holes were drilled to a depth of approximately 150 metres targeting three different types of anomalies:

-low resistivity, high magnetics (DDH 90-14)

-high resistivity, moderate magnetics with corresponding soil geochemistry (DDH 90-15)

-high resistivity, moderate chargeability, moderate magnetics (DDH 90-16)

c) GEOLOGICAL HOLES

i) A 48 m hole was drilled in an area where the reverse circulation drill could not intersect bedrock (DDH90-12).

ii) A 130m diamond hole was drilled, to test a large clay alteration zone at depth, in an area of poorly understood geology.(DDH 90-17)

iii) One 45 degree hole was drilled in the Kokanee Zone, in an attempt to determine true thickness of mineralization, where the mineralized section dipped at 40-50 degrees (DDH-20).

iv) A 48m hole was drilled to check the continuation of mineralization and geology to the south in drill fence 19650E where high water pressure prevented the use of a Reverse Circulation Drill. (DDH 90-25)

7-2-4: Equipment

A Longyear, Super 38 drill was used for drilling all diamond holes on the property. The majority of these drill holes were

located on relatively steep slopes. On these steeper slopes, where it was necessary to move fairly large volumes of rock, drill pad preparation was done by a Caterpillar D7E, whereas, on the gentler slopes a Caterpillar D6D was often used.

7-2-5: Sampling & Assay Procedures

The highly fractured nature of the rock on the property makes HQ drilling the most cost effective means of obtaining adequate core recoveries. Recoveries for the intrusive and the argillite averaged 69 and 67% respectively with maximum and minimum recoveries ranging between 100 and 7% in the intrusive and between 100 and 0% in the argillite (see Appendix V). All recovered core was logged, processed and sent for analysis.

Processing of the core involved splitting it with a core splitter or with a rock saw (ie. DDH 18, DDH 19, DDH 20) and then sampling the split. The sample size generally involved a 2 metre length of core (occasionally made longer or shorter depending on contacts); however, BCDDH 90-11 was sampled in 1 metre intervals.

Analysis was done by Acme Analytical Laboratories in Vancouver. All of the samples were analysed for 30 elements by ICP and for Au and Hg by atomic absorption. Drill logs and results are listed in Volume II and I respectively.

TABLE V

CORE RECOVERIES

CANADIAN ZONE

GEOLOGICAL UNIT	% RECOVERY MAXIMUM	MINIMUM	AVERAGE
INT	100	8	71
QFP	100	20	81
F. INT	N/A	N/A	N/A
SEDS	100	0	41

FOSTERS ZONE

GEOLOGICAL UNIT	% RECOVERY MAXIMUM	MINIMUM	AVERAGE
INT	100	10	63
QFP	N/A	N/A	N/A
F. INT	N/A	N/A	N/A
SEDS	98	25	64

KOKANEE ZONE

GEOLOGICAL UNIT	% RECOVERY MAXIMUM	MINIMUM	AVERAGE
INT	100	7	71
QFP	N/A	N/A	N/A
F. INT	N/A	N/A	N/A
SEDS	100	6	74

GOLDEN ZONE

GEOLOGICAL UNIT	% RECOVERY MAXIMUM	MINIMUM	AVERAGE
INT	100	30	70
QFP	N/A	N/A	N/A
F. INT	98	3	63
SEDS	100	5	69

PROPERTY AVERAGE

GEOLOGICAL UNIT	% RECOVERY MAXIMUM	MINIMUM	AVERAGE
INT	100	7	69
QFP	100	20	81
F. INT	98	3	63
SEDS	100	0	67

7-2-6: Problems

The 1990 diamond drilling program progressed well considering the highly fractured nature of the bedrock. An average 12 hour shift produced approximately 17m of core. The following statements summarize the main problems encountered during the program:

a) The fractured nature of the rock resulted in high bit and mud consumption.

b) Increased mud usage resulted in the core tube often being stuck down the hole. On three occasions the overshot hammer was broken while trying to pull tight tubes.

c) The proximity of water and steep topography resulted, in the need to use steel water line and intermediate pumping stations in order to get water to the drill. 275m of steel line and up to 1.1km of rubber line was used (in the Kokanee and Golden Zones).

7-2-7: Results

For a complete listing of all diamond results see Volume I.

a) TWINNED HOLES

For a complete result summary of the diamond holes that were twinned with RC holes see Table II.

b) GEOPHYSICS HOLES

Three geophysics targets were drilled on the property. A discussion of the results follows;

i) BCDDH 90-14 targeted a low resistivity, high magnetics anomaly within the intrusive. The drill hole failed to intersect any gold mineralization, but did intersect minor amounts of base metals (sphalerite, pyrrhotite, chalcopyrite and pyrite). Low resistivity is felt to result from pyrite stringers and the high mag from disseminated pyrrhotite.

ii) BCDDH 90-15 targeted a high resistivity, moderate magnetics, strong geochemistry anomaly. This hole failed to intersect any mineralization or intrusive. High resistivity appears to be caused by siliceous sediments.

iii) BCDDH 90-16 targeted a high resistivity, moderate chargeability, moderate magnetic anomaly at approximately 40m depth. This hole intersected a zone of 1.81 gm Au over 14m at 34m depth in a mudstone breccia.

C) GEOLOGY HOLES

i) BCDDH 90-12 failed to intersect any significant mineralization and thus successfully delineated the extent of mineralization to the south in drill fence 19770E.

ii) BCDDH 90-17 failed to intersect any significant mineralization or to explain the large clay alteration zone at surface. This clay zone is now thought to be part of a high angle, unmineralized fault zone.

iii) BCDDH 90-20 intersected a zone of 9.31 gm Au over 16.16m at

2.43 meters depth.

iv) BCDDH 90-25 intersected a zone of 1.83 gm Au over 5.3m at 10m depth indicating that mineralization does continue to the south along the 19650E drill fence.

7-3: PQ DRILLING

7-3-1: Introduction

The purpose of the PQ drill program was to obtain large core samples for bulk metallurgical testing. A total of 5 holes were drilled for this purpose. Below the hole locations and targets, drilling strategies, equipment used, assay procedures, the problems encountered with the program as well as results are discussed.

7-3-2: Location

The following table summarizes the locations of the PQ diamond drill holes (for a complete collar summary see Appendix II)..

HOLE	ZONE	COORDINATES	TARGET
BCPQ 90-1	KOK	20968.78E,19981.14N	Twin of BCRC 90-61
BCPQ 90-2	GOLD	21651.32E,19759.15N	Twin of BCRC 90-83
BCPQ 90-3	GOLD	21656.40E,19845.08N	Twin of BCRC 90-79
BCPQ 90-4	CAN	19660.66E,19834.63N	Twin of BCRC 90-104
BCPQ 90-5	M.H.	18927.96E,20850.51N	Twin of BCRC 90-86

7-3-3: Strategies

The targets chosen for PQ drill holes were felt to be representative of the mineralization at depth in a specific zone.

7-3-4: Equipment

The Longyear, Super 38 drill was used for drilling all the PQ diamond holes on the property. This was the same drill used for HQ drilling and modifications to allow for the larger core size took one to two hours. Drill pad preparation was done by a Caterpillar D7E or a Caterpillar D6D as discussed previously in the section on HQ drilling.

7-3-5: Sampling & Assay Procedures

The PQ core was visually logged on the property, sealed and then shipped to Kappes Cassiday in Nevada for metallurgical testing. The drill logs are contained in Volume II.

7-3-6: Problems

The PQ drilling program progressed at a much faster rate than was originally anticipated by the personnel involved. The result of an average 12 hour shift was 15 meters of core. The major problems with the PQ drilling are the same as those listed previously in the HQ drilling section. Overall, the PQ drilling program seemed to progress more effectively than the HQ drill program.

7-3-7: Results

The results of the metallurgical testing of the PQ core are pending.

CHAPTER EIGHT: CONCLUSIONS & RECOMMENDATIONS

The 1990 exploration program at Brewery Creek began delineation of eight distinct gold mineralized zones along a six km Au, As, Sb and Hg geochem anomaly. These zones are, from east to west; Lucky, Golden and South Golden, Kokanee, Fosters, Canadian, Blue, Moosehead and Pacific.

Gold is hosted within brecciated intrusive along an imbricated thrust structure. Mineralization is associated with intense phyllic alteration and associated quartz stockwork. Significant intersections included,

g/tonne Au	metres
2.12	62.0
4.28	26.0
9.30	16.0
3.22	36.0
6.66	22.0
3.10	26.0
3.34	24.0

Mineralization is still considered to be open in three directions and soil geochem is open in one direction.

Preliminary grade and tonnage is being calculated and metallurgical testwork is underway at Kappes, Cassidy and Associates in Reno, Nevada.

Expenditures for 1990 were $2,213,400..

The program for 1991 will complete delineation and definition of the known mineralized zones and identify new areas of interest on the property.

Respectfully submitted by;

Gordon Mackay, Project Geologist

STATEMENT OF COSTS

GEOLOGY & ENGINEERING		$ 116,000.
CAMP COSTS		150,000.
SERVICES		419,500.
LINECUTTING		26,300.
GEOPHYSICS	Magnetics	11,500.
	IP	51,000.
Soil Geochem		17,500.
Rock Geochem		17,600.
Assays		264,000.
Trenching		161,000.
Drilling		979,000.
	TOTAL	$2,213,400.

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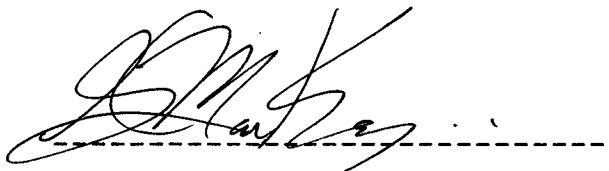
STATEMENT OF QUALIFICATIONS

I, Gordon MacKay of the City of Whitehorse, Yukon, do hereby certify that:

1) I have been an employee of Noranda Exploration Company Limited, (npl) in Whitehorse, Yukon since May 1988.

2) I am a graduate of the University of British Columbia with a B.Sc. in Geology.

3) I supervised work on the claims during 1989.



Gordon MacKay

Geologist

STATEMENT OF QUALIFICATIONS

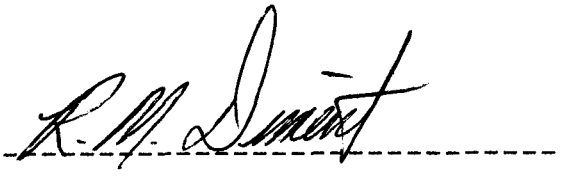
I, Richard M. Diment, do hereby certify that;

1) I have been employee of Noranda Exploration Company Limited (npl) in Whitehorse, Yukon since April 1989.

2) I am a graduate of the University of British Columbia with a B.Sc. in Geology.

3) I have practised my profession for the past three years in British Columbia and one year in the Yukon.

4) I supervised and participated in field work done in 1990.



Richard M. Diment

Geologist

STATEMENT OF QUALIFICATIONS

I, Lena K. Brommeland, do hereby certify that;

1) I have been employee of Noranda Exploration Company Limited (npl) in Whitehorse, Yukon since May 1990.
2) I am a graduate of the University of British Columbia with a B.Sc. in Geology.
3) I have practised my profession for the past two years in the Yukon.
4) I supervised and participated in field work done on the claims in 1990.

Lena K. Brommeland

Lena K. Brommeland
Geologist

STATEMENT OF QUALIFICATIONS

I, Greg Gillstrom, of the City of Vancouver, B.C. do hereby certify that:

1) I have been an employee of Noranda Exploration Company Limited (npl), in Whitehorse Yukon since May 1990.
2) I am a graduate of the University of British Columbia with a B.A. Sc. in Geological Engineering.
3) I am a graduate of the British Columbia Institute of Technology with a Diploma in Engineer Technology.
4) I am a registered Engineer in Training with the British Columbia Association of Professional Engineers.
5) I supervised and participated in work done on the claims during 1990.

Greg Gillstrom

Greg Gillstrom
Professional Engineer

APPENDIX I

SPECIFIC GRAVITY RESULTS

SPECIFIC GRAVITY RESULTS

Samples from DDH90-18 (limonitic intrusive)

No.	Depth (m)	Weight in Air (g)	Weight in Water (g)	Specific Gravity
1	16	365.40	228.50	2.67
2	29	386.95	234.00	2.53
3	34.5	326.60	205.00	2.69
4	41.5	294.40	181.80	2.61
5	42	300.00	181.00	2.52
6	44	292.40	179.00	2.58
7	46	371.00	221.60	2.48
8	55	206.20	129.15	2.68

Average S.G. = 2.60

Samples from DDH90-19 (limonitic intrusive)

No.	Depth (m)	Weight in Air (g)	Weight in Water (g)	Specific Gravity
1	6	304.70	188.20	2.62
2	6.5	400.30	247.80	2.62
3	7.3	350.00	219.70	2.69
4	7.5	407.30	254.40	2.66
5	8.6	323.80	196.80	2.55
6	8.7	385.15	234.20	2.55
7	9.3	513.85	310.10	2.52
8	14.6	380.25	231.50	2.56
9	15.5	429.30	263.20	2.58

Samples from DDH90-19 (limonitic intrusive)

No.	Depth (m)	Weight in Air (g)	Weight in Water (g)	Specific Gravity
10	15.8	395.90	243.00	2.59
11	16.3	599.50	369.00	2.60
12	17.5	340.50	208.50	2.58
13	17.6	443.60	279.40	2.70
14	17.7	436.80	273.60	2.68
15	18.1	550.65	339.00	2.60
16	19.4	476.30	291.20	2.57
17	20.2	526.00	325.40	2.62
18	20.5	344.00	212.70	2.62
19	21.4	618.90	382.60	2.62
20	21.8	432.75	268.60	2.64
21	22.1	378.85	234.90	2.63
22	22.4	339.00	210.20	2.63
23	22.6	600.20	370.00	2.61
24	22.8	398.50	244.50	2.59
25	22.9	373.50	229.90	2.60
26	23.3	632.00	396.40	2.68
27	24.5	354.50	215.80	2.56

Average S.G. = 2.62

Samples from DDH90-20 (limonitic intrusive)

No.	Depth (m)	Weight in Air (g)	Weight in Water (g)	Specific Gravity
1	3.0	288.20	177.30	2.60

2	3.8	286.20	173.50	2.54

No.	Depth (m)	Weight in Air (g)	Weight in Water (g)	Specific Gravity
3	6.0	296.00	182.10	2.60
4	7.3	391.15	240.60	2.60
5	11.8	346.25	213.10	2.60
6	12.6	402.10	246.20	2.58
7	13.0	328.20	200.00	2.56
8	13.3	476.70	290.80	2.56
9	13.5	493.25	304.40	2.61
10	13.7	474.90	288.40	2.55
11	14.7	436.30	267.30	2.58
12	14.8	395.60	242.00	2.58
13	15.8	362.15	219.80	2.54
14	16.1	323.60	197.00	2.56
15	16.7	460.50	279.10	2.54
16	17.0	325.90	197.50	2.54
17	17.8	283.10	171.50	2.54

Average S.G. = 2.57

Samples from DDH90-10 (limonitic intrusive)

No.	Depth (m)	Weight in Air (g)	Weight in Water (g)	Specific Gravity
1	8.0	294.80	181.30	2.60
2	12.0	468.10	286.40	2.58
3	13.0	400.60	246.40	2.60

Average S.G. = 2.59

Samples from DDH90-11 (limonitic intrusive)

No.	Depth (m)	Weight in Air (g)	Weight in Water (g)	Specific Gravity
1	11.0	332.40	202.80	2.57
2	12.5	377.90	230.90	2.57
3	16.0	388.60	236.50	2.56
4	20.0	262.50	161.10	2.59
5	22.0	389.60	241.70	2.63
6	24.0	365.20	223.80	2.58
7	27.0	285.50	172.40	2.53

Average S.G. = 2.58

Samples from DDH89-8 (argillite)

No.	Depth (m)	Weight in Air (g)	Weight in Water (g)	Specific Gravity
1	32.0	496.80	316.70	2.76
2	45.0	728.10	460.00	2.72
3	48.0	791.80	509.50	2.80

Samples from DDH90-11 (argillite)

No.	Depth (m)	Weight in Air (g)	Weight in Water (g)	Specific Gravity
1	29.0	422.0	26.80	2.69
2	30.0	130.30	81.10	2.65
3	30.5	141.50	87.00	2.62

APPENDIX II

COLLAR SUMMARIES

C O L L A R S U M M A R Y F O R : revcirc.DLF
NORANDA EXPLORATION CO. LTD.

BREWERY CREEK

GRID SYSTEM : ORIGINAL JANUARY 15, 1991

HOLE NUMBER	COLLAR COORDINATES			HOLE DIRECTION		HOLE LENGTH (METRES)
	LATITUDE	DEPARTURE	ELEVATION	AZIMUTH DEGREES	DIP DEGREES	
BCRC 89-1	20806.590	18878.240	949.120	336.00	-45.00	150.00
BCRC 89-2	20963.790	19198.390	942.110	336.00	-45.00	102.00
BCRC 89-3	20905.520	19319.950	940.240	336.00	-45.00	150.00
BCRC 89-4	20934.980	19546.270	964.380	336.00	-45.00	150.00
BCRC 89-5	20038.000	19617.000	838.380	336.00	-45.00	150.00
BCRC 89-6	19981.240	19785.850	834.490	336.00	-45.00	132.00
BCRC 89-7	20047.000	19973.400	911.550	336.00	-45.00	106.00
BCRC 89-8	19975.260	20265.940	947.830	156.00	-60.00	144.00
BCRC 89-9	19774.920	20810.940	977.280	336.00	-45.00	110.00
BCRC 89-10	19875.370	20816.670	1024.770	336.00	-45.00	118.00
BCRC 89-11	19969.360	20819.450	1050.640	336.00	-45.00	110.00
BCRC 89-12	20067.350	20865.110	1076.660	336.00	-45.00	48.00
BCRC 89-13	20145.480	19441.700	838.450	336.00	-45.00	150.00
BCRC 89-14	20312.360	18886.340	808.560	336.00	-60.00	84.00
BCRC 90-15	20175.010	19516.170	848.600		-90.00	28.00
BCRC 90-16	20161.690	19547.200	852.000		-90.00	30.00
BCRC 90-17	20138.690	19545.670	850.700		-90.00	30.00
BCRC 90-18	20117.330	19544.180	848.680		-90.00	30.00
BCRC 90-19	19984.880	19581.410	825.400	336.00	-45.00	30.00
BCRC 90-20	20071.410	19583.470	843.510	336.00	-45.00	30.00
BCRC 90-21	19853.340	19660.910	794.590		-90.00	34.00
BCRC 90-22	19874.950	19660.130	800.910		-90.00	48.00
BCRC 90-23	19899.100	19660.990	807.050		-90.00	36.00
BCRC 90-24	19922.950	19660.570	813.470		-90.00	36.00

C O L L A R S U M M A R Y F O R : revcirc.DLF
NORANDA EXPLORATION CO. LTD.

BREWERY CREEK

GRID SYSTEM : ORIGINAL JANUARY 15, 1991

HOLE NUMBER	COLLAR COORDINATES			HOLE DIRECTION		HOLE LENGTH (METRES)
	LATITUDE	DEPARTURE	ELEVATION	AZIMUTH DEGREES	DIP DEGREES	
BCRC 90-25	19947.210	19663.240	817.230		-90.00	30.00
BCRC 90-26	19970.460	19664.200	822.960		-90.00	38.00
BCRC 90-27	19995.540	19663.930	828.900		-90.00	40.00
BCRC 90-28	20019.960	19665.280	834.370		-90.00	32.00
BCRC 90-29	20046.850	19666.710	840.090		-90.00	32.00
BCRC 90-30	20067.400	19668.980	844.810		-90.00	34.00
BCRC 90-31	19788.730	19770.560	790.110		-90.00	28.00
BCRC 90-32	19839.330	19771.890	793.540		-90.00	16.00
BCRC 90-33	19888.590	19764.940	798.660		-90.00	12.00
BCRC 90-34	19936.240	19768.250	814.560		-90.00	32.00
BCRC 90-35	19982.520	19771.640	831.840		-90.00	32.00
BCRC 90-36	20053.710	19994.880	919.480		-90.00	30.00
BCRC 90-37	20073.290	19972.990	922.210		-90.00	30.00
BCRC 90-38	20092.500	19975.060	922.030		-90.00	30.00
BCRC 90-39	20075.770	19995.650	925.670		-90.00	30.00
BCRC 90-40	20101.500	20000.200	932.390		-90.00	30.00
BCRC 90-41	20135.510	19980.310	930.740		-90.00	30.00
BCRC 90-42	20131.750	19957.200	925.050		-90.00	30.00
BCRC 90-43	20107.600	19976.000	926.280		-90.00	30.00
BCRC 90-44	20132.560	19930.010	916.880		-90.00	30.00
BCRC 90-45	20109.500	19954.440	921.260		-90.00	30.00
BCRC 90-46	20086.010	19951.430	916.720		-90.00	30.00
BCRC 90-47	19957.420	20226.050	943.790		-90.00	30.00
BCRC 90-48	19981.990	20230.240	953.740		-90.00	30.00

C O L L A R S U M M A R Y F O R : revcirc.DLF
NORANDA EXPLORATION CO. LTD.

BREWERY CREEK

GRID SYSTEM : ORIGINAL JANUARY 15, 1991

HOLE NUMBER	COLLAR COORDINATES			HOLE DIRECTION		HOLE LENGTH (METRES)
	LATITUDE	DEPARTURE	ELEVATION	AZIMUTH DEGREES	DIP DEGREES	
BCRC 90-49	20019.230	20264.380	962.110		-90.00	30.00
BCRC 90-50	20007.110	20927.460	1068.280		-90.00	50.00
BCRC 90-51	19984.590	20928.150	1062.840		-90.00	50.00
BCRC 90-52	19964.670	20927.910	1055.730		-90.00	30.00
BCRC 90-53	20047.750	20866.550	1072.870		-90.00	50.00
BCRC 90-54	20024.700	20863.720	1070.570		-90.00	50.00
BCRC 90-55	20003.450	20863.600	1063.900		-90.00	50.00
BCRC 90-56	19979.070	20860.370	1057.620		-90.00	50.00
BCRC 90-57	20020.600	20818.950	1059.770		-90.00	50.00
BCRC 90-58	20042.100	20820.200	1060.820		-90.00	50.00
BCRC 90-59	19996.710	20818.790	1055.970		-90.00	50.00
BCRC 90-60	19959.580	20972.600	1052.140		-90.00	50.00
BCRC 90-61	19981.140	20968.780	1060.330		-90.00	50.00
BCRC 90-62	20005.670	20972.410	1069.260		-90.00	50.00
BCRC 90-63	20004.120	20776.280	1041.720		-90.00	50.00
BCRC 90-64	19981.890	20777.010	1041.690		-90.00	50.00
BCRC 90-65	19954.630	20734.220	1022.570		-90.00	50.00
BCRC 90-66	19931.790	20733.490	1021.810		-90.00	50.00
BCRC 90-67	19910.760	20731.580	1019.300		-90.00	50.00
BCRC 90-68	19887.520	20733.180	1014.960		-90.00	50.00
BCRC 90-69	19926.800	21771.100	1013.150		-90.00	58.00
BCRC 90-70	19909.530	21768.390	1009.630		-90.00	62.00
BCRC 90-71	19889.330	21768.690	1004.430		-90.00	64.00
BCRC 90-72	19867.830	21766.830	1000.350		-90.00	64.00

C O L L A R S U M M A R Y F O R : revcirc.DLF
NORANDA EXPLORATION CO. LTD.

BREWERY CREEK

GRID SYSTEM : ORIGINAL

JANUARY 15, 1991

HOLE NUMBER	COLLAR COORDINATES			HOLE DIRECTION		HOLE LENGTH (METRES)
	LATITUDE	DEPARTURE	ELEVATION	AZIMUTH DEGREES	DIP DEGREES	
BCRC 90-73	19801.600	21765.260	984.340		-90.00	52.00
BCRC 90-74	19780.890	21765.560	977.230		-90.00	52.00
BCRC 90-75	19764.740	21765.300	971.070		-90.00	50.00
BCRC 90-76	19746.040	21764.920	964.020		-90.00	50.00
BCRC 90-77	19893.660	21655.320	1015.740		-90.00	50.00
BCRC 90-78	19870.920	21658.810	1009.080		-90.00	50.00
BCRC 90-79	19845.080	21656.400	1002.050		-90.00	50.00
BCRC 90-80	19826.000	21651.750	996.110		-90.00	50.00
BCRC 90-81	19803.990	21649.060	989.280		-90.00	50.00
BCRC 90-82	19782.400	21650.160	982.060		-90.00	50.00
BCRC 90-83	19759.150	21651.320	974.510		-90.00	50.00
BCRC 90-84	19740.230	21652.620	967.760		-90.00	50.00
BCRC 90-85	20851.040	18824.090	957.430		-90.00	50.00
BCRC 90-86	20850.510	18927.960	959.430		-90.00	50.00
BCRC 90-87	20911.830	18996.690	969.010		-90.00	50.00
BCRC 90-88	20924.620	19033.940	967.780		-90.00	50.00
BCRC 90-89	20935.520	19076.520	964.020		-90.00	50.00
BCRC 90-90	20952.820	19115.160	958.470		-90.00	50.00
BCRC 90-91	19974.540	19435.550	806.730		-90.00	40.00
BCRC 90-92	19949.400	19433.400	800.680		-90.00	40.00
BCRC 90-93	19924.540	19434.710	795.370		-90.00	40.00
BCRC 90-94	19923.950	19477.430	800.520		-90.00	40.00
BCRC 90-95	19899.010	19480.240	794.990		-90.00	40.00
BCRC 90-96	19874.910	19479.320	788.880		-90.00	40.00

C O L L A R S U M M A R Y F O R : revcirc.DLF
NORANDA EXPLORATION CO. LTD.

BREWERY CREEK

GRID SYSTEM : ORIGINAL JANUARY 15, 1991

HOLE NUMBER	COLLAR COORDINATES			HOLE DIRECTION		HOLE LENGTH (METRES)
	LATITUDE	DEPARTURE	ELEVATION	AZIMUTH DEGREES	DIP DEGREES	
BCRC 90-97	19978.200	19410.860	803.560		-90.00	40.00
BCRC 90-98	20073.160	19543.710	842.910		-90.00	40.00
BCRC 90-99	20097.630	19544.070	846.020		-90.00	40.00
BCRC 90-100	20121.950	19482.920	844.340		-90.00	40.00

C O L L A R S U M M A R Y F O R : revcirc2.DLF
NORANDA EXPLORATION CO. LTD.

BREWERY CREEK

GRID SYSTEM : ORIGINAL JANUARY 15, 1991

HOLE NUMBER	COLLAR COORDINATES			HOLE DIRECTION		HOLE LENGTH (METRES)
	LATITUDE	DEPARTURE	ELEVATION	AZIMUTH DEGREES	DIP DEGREES	
BCRC 90-101	20145.310	19484.060	844.960		-90.00	40.00
BCRC 90-102	20169.820	19487.960	844.810		-90.00	40.00
BCRC 90-103	20088.640	19673.020	848.520		-90.00	50.00
BCRC 90-104	19834.630	19660.660	787.660		-90.00	50.00
BCRC 90-105	19813.710	19656.830	779.990		-90.00	34.00
BCRC 90-106	20135.950	19999.580	936.790		-90.00	30.00
BCRC 90-107	20023.410	19996.220	909.280		-90.00	44.00
BCRC 90-108	20074.300	20047.030	939.050		-90.00	50.00
BCRC 90-109	20047.740	20046.160	931.890		-90.00	50.00
BCRC 90-110	20015.270	20056.500	923.160		-90.00	50.00
BCRC 90-111	19994.000	20050.500	915.330		-90.00	50.00
BCRC 90-112	19983.060	20101.930	926.620		-90.00	50.00
BCRC 90-113	19959.050	20103.060	917.300		-90.00	50.00
BCRC 90-114	20101.530	20048.240	944.370		-90.00	50.00
BCRC 90-115	20037.660	20102.990	946.330		-90.00	50.00
BCRC 90-116	20017.410	20102.820	938.820		-90.00	40.00
BCRC 90-117	19954.400	20861.600	1049.880		-90.00	60.00
BCRC 90-118	19927.920	20861.590	1042.930		-90.00	62.00
BCRC 90-119	19906.430	20860.200	1036.110		-90.00	64.00
BCRC 90-120	19882.820	20860.950	1028.700		-90.00	60.00
BCRC 90-121	19951.250	20776.410	1038.040		-90.00	62.00
BCRC 90-122	19922.540	20774.220	1033.270		-90.00	76.00
BCRC 90-123	19895.710	20775.580	1027.870		-90.00	64.00
BCRC 90-124	19978.110	20734.670	1019.760		-90.00	40.00

C O L L A R S U M M A R Y F O R : revcirc2.DLF
NORANDA EXPLORATION CO. LTD.

BREWERY CREEK

GRID SYSTEM : ORIGINAL JANUARY 15, 1991

HOLE NUMBER	COLLAR COORDINATES			HOLE DIRECTION		HOLE LENGTH (METRES)
	LATITUDE	DEPARTURE	ELEVATION	AZIMUTH DEGREES	DIP DEGREES	
BCRC 90-125	19998.350	20735.370	1020.730		-90.00	54.00
BCRC 90-126	19842.600	20729.990	1003.470		-90.00	70.00
BCRC 90-127	19861.500	20731.780	1008.390		-90.00	70.00
BCRC 90-128	20003.760	20681.370	999.790		-90.00	46.00
BCRC 90-129	19978.500	20690.930	999.920		-90.00	44.00
BCRC 90-130	19956.000	20688.900	998.520		-90.00	50.00
BCRC 90-131	19931.750	20687.300	1000.860		-90.00	50.00
BCRC 90-132	19909.000	20683.150	1001.240		-90.00	50.00
BCRC 90-133	19883.900	20685.150	1001.270		-90.00	52.00
BCRC 90-134	19982.100	21016.400	1065.350		-90.00	46.00
BCRC 90-135	19964.520	21018.640	1059.710		-90.00	50.00
BCRC 90-136	19945.580	21062.170	1055.660		-90.00	50.00
BCRC 90-137	19923.680	21061.630	1049.760		-90.00	52.00
BCRC 90-138	19833.320	21062.610	1011.520		-90.00	50.00
BCRC 90-139	19813.140	21066.800	1003.580		-90.00	50.00
BCRC 90-140	19958.400	21176.660	1058.800		-90.00	52.00
BCRC 90-141	19931.320	21178.890	1054.920		-90.00	52.00
BCRC 90-142	19915.930	21178.090	1053.950		-90.00	50.00
BCRC 90-143	19947.660	22041.230	969.420		-90.00	50.00
BCRC 90-144	19973.350	22040.700	967.230		-90.00	50.00
BCRC 90-145	19927.200	22039.500	969.460		-90.00	50.00
BCRC 90-146	19721.030	21766.730	953.910		-90.00	48.00
BCRC 90-147	19699.570	21766.680	944.130		-90.00	58.00
BCRC 90-148	19827.500	21809.000	982.590		-90.00	50.00

C O L L A R S U M M A R Y F O R : revcirc2.DLF
NORANDA EXPLORATION CO. LTD.

BREWERY CREEK

GRID SYSTEM : ORIGINAL JANUARY 15, 1991

HOLE NUMBER	COLLAR COORDINATES			HOLE DIRECTION		HOLE LENGTH (METRES)
	LATITUDE	DEPARTURE	ELEVATION	AZIMUTH DEGREES	DIP DEGREES	
BCRC 90-149	19807.000	21814.440	976.600		-90.00	50.00
BCRC 90-150	19783.680	21813.640	970.240		-90.00	52.00
BCRC 90-151	19754.490	21813.040	962.280		-90.00	50.00
BCRC 90-152	19728.380	21812.270	953.700		-90.00	50.00
BCRC 90-153	19707.000	21806.000	943.900		-90.00	50.00
BCRC 90-154	19875.070	21607.140	1000.310		-90.00	50.00
BCRC 90-155	19850.550	21604.010	990.190		-90.00	28.00
BCRC 90-156	19824.340	21597.350	981.120		-90.00	50.00
BCRC 90-157	19798.600	21597.070	974.820		-90.00	50.00
BCRC 90-158	19770.000	21595.500	970.460		-90.00	50.00
BCRC 90-159	19744.200	21596.560	962.330		-90.00	50.00
BCRC 90-160	19723.060	21597.590	956.720		-90.00	50.00
BCRC 90-161	19840.610	21769.380	994.050		-90.00	52.00
BCRC 90-162	19904.600	21817.800	1001.600		-90.00	50.00
BCRC 90-163	19878.900	21816.300	993.600		-90.00	40.00
BCRC 90-164	19855.200	21810.300	987.400		-90.00	50.00
BCRC 90-165	19965.300	21961.000	991.100		-90.00	48.00
BCRC 90-166	19941.800	21956.400	988.700		-90.00	50.00
BCRC 90-167	19917.900	21947.700	980.600		-90.00	50.00
BCRC 90-168	19887.700	21951.300	969.300		-90.00	52.00
BCRC 90-169	19867.200	21941.500	961.900		-90.00	50.00
BCRC 90-170	19897.200	22081.800	950.000		-90.00	58.00
BCRC 90-171	19920.800	22083.500	955.000		-90.00	58.00
BCRC 90-172	19940.700	22084.000	955.500		-90.00	50.00

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BREWERY CREEK

GRID SYSTEM : ORIGINAL

JANUARY 15, 1991

HOLE NUMBER	COLLAR COORDINATES			HOLE DIRECTION		HOLE LENGTH (METRES)
	LATITUDE	DEPARTURE	ELEVATION	AZIMUTH DEGREES	DIP DEGREES	
BCRC 90-173	19962.900	22082.500	949.700		-90.00	40.00
BCRC 90-174	20501.800	17025.500	834.300		-90.00	50.00
BCRC 90-175	20550.600	17026.100	832.800		-90.00	50.00
BCRC 90-176	20576.100	17027.400	831.400		-90.00	50.00
BCRC 90-177	20599.500	17029.500	830.400		-90.00	50.00
BCRC 90-178	20447.600	17627.800	815.500		-90.00	50.00
BCRC 90-179	19484.300	21890.200	928.850		-90.00	46.00
BCRC 90-180	19532.700	21883.100	924.830		-90.00	50.00
BCRC 90-181	19508.900	21888.100	929.100		-90.00	50.00
BCRC 90-182	20114.820	19621.580	852.100		-90.00	40.00
BCRC 90-183	20086.630	19619.170	846.980		-90.00	40.00
BCRC 90-184	20034.420	19623.090	838.230		-90.00	40.00
BCRC 90-185	20004.490	19621.410	830.770		-90.00	40.00
BCRC 90-186	19982.470	19620.920	825.580		-90.00	40.00
BCRC 90-187	19957.570	19624.950	818.980		-90.00	40.00
BCRC 90-188	19933.590	19624.270	814.530		-90.00	40.00
BCRC 90-189	19909.020	19626.270	809.500		-90.00	40.00
BCRC 90-190	19882.880	19627.730	802.840		-90.00	40.00
BCRC 90-191	19859.980	19625.810	797.160		-90.00	40.00
BCRC 90-192	19835.500	19628.200	788.900		-90.00	40.00
BCRC 90-193	19808.700	19628.900	780.300		-90.00	40.00
BCRC 90-194	20398.900	17626.100	809.000		-90.00	50.00
BCRC 90-195	20093.300	19707.800	853.200		-90.00	50.00
BCRC 90-196	20070.910	19710.460	849.230		-90.00	40.00

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BREWERY CREEK

GRID SYSTEM : ORIGINAL JANUARY 15, 1991

HOLE NUMBER	COLLAR COORDINATES			HOLE DIRECTION		HOLE LENGTH (METRES)
	LATITUDE	DEPARTURE	ELEVATION	AZIMUTH DEGREES	DIP DEGREES	
BCRC 90-197	20043.430	19708.730	842.370		-90.00	34.00
BCRC 90-198	20020.110	19705.150	835.430		-90.00	34.00
BCRC 90-199	19996.010	19706.040	829.950		-90.00	30.00
BCRC 90-200	19976.460	19702.370	824.800		-90.00	30.00

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BREWERY CREEK

GRID SYSTEM : ORIGINAL JANUARY 15, 1991

HOLE NUMBER	COLLAR COORDINATES			HOLE DIRECTION		HOLE LENGTH (METRES)
	LATITUDE	DEPARTURE	ELEVATION	AZIMUTH DEGREES	DIP DEGREES	
BCRC 90-201	19947.700	19704.900	817.390		-90.00	34.00
BCRC 90-202	19922.760	19704.200	810.490		-90.00	40.00
BCRC 90-203	19896.590	19703.820	804.650		-90.00	50.00
BCRC 90-204	19875.100	19701.690	798.400		-90.00	50.00
BCRC 90-205	19850.400	19695.950	791.420		-90.00	50.00
BCRC 90-206	20015.520	19773.640	843.070		-90.00	52.00
BCRC 90-207	19982.480	19822.190	846.310		-90.00	60.00
BCRC 90-208	19953.630	19818.680	834.080		-90.00	46.00
BCRC 90-209	19929.620	19818.540	824.070		-90.00	34.00
BCRC 90-210	19897.600	22843.000	865.510		-90.00	58.00
BCRC 90-211	19872.600	22839.000	869.180		-90.00	76.00
BCRC 90-212	19848.300	22839.200	867.600		-90.00	76.00
BCRC 90-213	19802.100	22828.600	864.230		-90.00	56.00
BCRC 90-214	19857.000	22745.400	891.040		-90.00	58.00
BCRC 90-215	19886.800	22749.500	893.860		-90.00	40.00
BCRC 90-216	20004.140	19821.470	854.710		-90.00	58.00
BCRC 90-217	20964.120	19196.020	942.390		-90.00	62.00
BCRC 90-218	20949.910	19113.830	956.720	310.00	-45.00	28.00
BCRC 90-219	20916.000	19132.370	958.050		-90.00	76.00
BCRC 90-220	20935.300	19075.990	964.030	310.00	-45.00	50.00
BCRC 90-221	20908.650	19087.130	963.370		-90.00	68.00
BCRC 90-222	20898.740	19046.370	964.970		-90.00	52.00
BCRC 90-223	20886.840	19004.430	968.010		-90.00	62.00
BCRC 90-224	20925.050	19032.440	967.270	310.00	-45.00	32.00

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BREWERY CREEK

GRID SYSTEM : ORIGINAL JANUARY 15, 1991

HOLE NUMBER	COLLAR COORDINATES			HOLE DIRECTION		HOLE LENGTH (METRES)
	LATITUDE	DEPARTURE	ELEVATION	AZIMUTH DEGREES	DIP DEGREES	
BCRC 90-225	20912.860	18994.570	969.760	310.00	-45.00	30.00
BCRC 90-226	20803.200	18879.500	948.980		-90.00	42.00
BCRC 90-227	20825.260	18938.390	954.320		-90.00	76.00
BCRC 90-228	20880.090	18961.960	965.130		-90.00	62.00
BCRC 90-229	20860.270	18969.440	964.700		-90.00	64.00
BCRC 90-230	20852.090	18869.110	959.260		-90.00	64.00
BCRC 90-231	20852.230	18777.560	956.590		-90.00	76.00
BCRC 90-232	20852.170	18927.030	959.480	310.00	-45.00	52.00
BCRC 90-233	20852.860	18821.970	957.570	310.00	-45.00	52.00
BCRC 90-234	20826.960	18786.670	951.280		-90.00	52.00
BCRC 90-235	20825.050	18834.850	953.030		-90.00	52.00
BCRC 90-236	20877.900	18766.130	961.480		-90.00	60.00
BCRC 90-237	20478.500	18835.800	861.400		-90.00	46.00
BCRC 90-238	20451.090	18835.130	854.280		-90.00	50.00
BCRC 90-239	20429.980	18833.900	847.100		-90.00	58.00
BCRC 90-240	20446.900	18882.800	850.700		-90.00	52.00
BCRC 90-241	20422.600	18883.200	842.700		-90.00	40.00
BCRC 90-242	20391.820	18776.920	834.110		-90.00	40.00
BCRC 90-243	20404.450	18834.850	835.180		-90.00	50.00
BCRC 90-244	20418.510	18775.910	841.000		-90.00	46.00
BCRC 90-245	20446.480	18764.980	843.750		-90.00	40.00
BCRC 90-246	20364.160	18774.760	828.420		-90.00	40.00
BCRC 90-247	20234.960	18419.820	808.760		-90.00	40.00
BCRC 90-248	20210.910	18416.480	805.930		-90.00	40.00

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BREWERY CREEK

GRID SYSTEM : ORIGINAL JANUARY 15, 1991

HOLE NUMBER	COLLAR COORDINATES			HOLE DIRECTION		HOLE LENGTH (METRES)
	LATITUDE	DEPARTURE	ELEVATION	AZIMUTH DEGREES	DIP DEGREES	
BCRC 90-249	20143.960	19622.240	857.080		-90.00	40.00
BCRC 90-250	20117.820	19675.010	855.010		-90.00	40.00
BCRC 90-251	20263.560	18425.400	812.720		-90.00	40.00
BCRC 90-252	19999.900	19995.700	902.300		-90.00	52.00
BCRC 90-253	19971.920	20045.550	905.820		-90.00	48.00
BCRC 90-254	19939.030	20093.690	906.710		-90.00	40.00
BCRC 90-255	20752.200	19892.750	1021.890		-90.00	52.00
BCRC 90-256	20754.390	19965.710	1031.400		-90.00	60.00
BCRC 90-257	19945.170	20754.240	1032.120		-90.00	58.00
BCRC 90-258	19916.010	20751.860	1026.780		-90.00	50.00
BCRC 90-259	19995.920	20755.700	1031.170		-90.00	58.00
BCRC 90-260	19969.960	20637.940	975.820		-90.00	52.00
BCRC 90-261	19943.430	20635.410	975.640		-90.00	58.00
BCRC 90-262	19918.790	20635.450	979.910		-90.00	58.00
BCRC 90-263	19891.960	20634.250	979.690		-90.00	40.00
BCRC 90-264	19869.160	20635.250	979.130		-90.00	14.00
BCRC 90-265	19908.860	20707.300	1011.160		-90.00	54.00
BCRC 90-266	19956.800	20713.420	1009.460		-90.00	56.00
BCRC 90-267	19981.500	21174.700	1062.700		-90.00	40.00
BCRC 90-268	19884.920	21180.080	1047.460		-90.00	50.00
BCRC 90-269	19845.200	21011.600	1010.300		-90.00	52.00
BCRC 90-270	19819.900	21011.800	1000.600		-90.00	52.00
BCRC 90-271	19794.200	21011.700	986.900		-90.00	52.00
BCRC 90-272	19793.100	21068.500	992.200		-90.00	52.00

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BREWERY CREEK

GRID SYSTEM : ORIGINAL JANUARY 15, 1991

HOLE NUMBER	COLLAR COORDINATES			HOLE DIRECTION		HOLE LENGTH (METRES)
	LATITUDE	DEPARTURE	ELEVATION	AZIMUTH DEGREES	DIP DEGREES	
BCRC 90-273	19767.600	21069.200	976.300		-90.00	52.00
BCRC 90-274	19847.760	21172.520	1029.700		-90.00	50.00
BCRC 90-275	19820.310	21175.670	1020.590		-90.00	52.00
BCRC 90-276	19792.630	21180.400	1013.880		-90.00	52.00
BCRC 90-277	19765.100	21172.100	998.260		-90.00	50.00
BCRC 90-278	19956.600	21230.200	1046.200		-90.00	40.00
BCRC 90-279	19931.600	21229.800	1046.100		-90.00	52.00
BCRC 90-280	19902.700	21229.200	1043.900		-90.00	64.00
BCRC 90-281	19880.100	21225.300	1043.100		-90.00	42.00
BCRC 90-282	19589.740	21808.930	905.030		-90.00	46.00
BCRC 90-283	19559.570	21811.100	915.950		-90.00	50.00
BCRC 90-284	19535.090	21810.970	928.700		-90.00	52.00
BCRC 90-285	19507.720	21812.410	937.360		-90.00	50.00
BCRC 90-286	19554.110	21886.030	911.140		-90.00	40.00
BCRC 90-287	19532.570	21946.060	923.990		-90.00	52.00
BCRC 90-288	19563.530	21940.070	912.350		-90.00	40.00
BCRC 90-289	19503.120	21943.570	921.130		-90.00	52.00
BCRC 90-290	19891.070	21704.820	1014.930		-90.00	46.00
BCRC 90-291	19867.780	21705.010	1010.730		-90.00	52.00
BCRC 90-292	19845.840	21708.080	1003.250		-90.00	52.00
BCRC 90-293	19822.220	21704.840	996.860		-90.00	52.00
BCRC 90-294	19796.760	21707.530	990.150		-90.00	50.00
BCRC 90-295	19768.310	21712.260	978.390		-90.00	52.00
BCRC 90-296	19750.380	21710.180	970.250		-90.00	50.00

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BREWERY CREEK

GRID SYSTEM : ORIGINAL JANUARY 15, 1991

HOLE NUMBER	COLLAR COORDINATES			HOLE DIRECTION		HOLE LENGTH (METRES)
	LATITUDE	DEPARTURE	ELEVATION	AZIMUTH DEGREES	DIP DEGREES	
BCRC 90-297	19725.570	21710.560	960.170		-90.00	50.00
BCRC 90-298	19928.140	21894.540	994.760		-90.00	58.00
BCRC 90-299	19903.810	21895.630	984.710		-90.00	40.00
BCRC 90-300	19877.290	21899.830	972.200		-90.00	52.00

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NORANDA EXPLORATION CO. LTD.

BREWERY CREEK

GRID SYSTEM : ORIGINAL JANUARY 15, 1991

HOLE NUMBER	COLLAR COORDINATES			HOLE DIRECTION		HOLE LENGTH (METRES)
	LATITUDE	DEPARTURE	ELEVATION	AZIMUTH DEGREES	DIP DEGREES	
BCRC 90-301	19850.290	21895.250	959.540		-90.00	50.00
BCRC 90-302	19826.020	21898.470	951.570		-90.00	52.00
BCRC 90-303	19796.650	21894.670	941.240		-90.00	50.00
BCRC 90-304	19769.960	21894.390	936.930		-90.00	52.00
BCRC 90-305	19742.780	21894.410	930.090		-90.00	70.00
BCRC 90-306	19717.370	21895.570	920.590		-90.00	62.00
BCRC 90-307	19688.610	21898.470	908.610		-90.00	52.00
BCRC 90-308	19830.900	22746.360	886.270		-90.00	66.00
BCRC 90-309	19809.050	22749.430	880.810		-90.00	70.00
BCRC 90-310	19857.390	22692.010	891.340		-90.00	40.00
BCRC 90-311	19834.360	22693.350	885.340		-90.00	72.00
BCRC 90-312	19786.630	22699.510	873.350		-90.00	62.00
BCRC 90-313	19810.290	22698.050	879.520		-90.00	58.00
BCRC 90-314	19900.930	22793.360	879.290		-90.00	50.00
BCRC 90-315	19870.100	22792.400	884.140		-90.00	76.00
BCRC 90-316	19850.870	22788.450	886.850		-90.00	70.00
BCRC 90-317	19827.660	22791.030	882.010		-90.00	68.00
BCRC 90-318	19825.720	22831.330	866.730		-90.00	70.00
BCRC 90-319	19920.100	22843.870	860.160		-90.00	42.00
BCRC 90-320	19920.190	22889.370	842.100		-90.00	52.00
BCRC 90-321	19899.240	22888.490	847.080		-90.00	62.00
BCRC 90-322	19876.710	22889.480	846.060		-90.00	74.00
BCRC 90-323	19843.260	22886.920	843.250		-90.00	76.00

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BREWERY CREEK

GRID SYSTEM : ORIGINAL JANUARY 15, 1991

HOLE NUMBER	COLLAR COORDINATES			HOLE DIRECTION		HOLE LENGTH (METRES)
	LATITUDE	DEPARTURE	ELEVATION	AZIMUTH DEGREES	DIP DEGREES	
BCTR89C-1	20214.320	19580.210	856.650	144.93	1.12	408.00
BCTR89C-2	20184.110	19446.330	838.760	157.34	-3.89	300.00
BCTR89C-ROAD	20066.000	19670.000	852.000	234.00	-13.50	309.00
BCTR89F-1	20064.910	20346.490	972.930	226.83	-17.30	113.00
BCTR89F-2	20192.050	19987.120	931.820	158.87	-3.88	230.00
BCTR89F-1A	20031.660	20246.000	964.210	158.23	-3.85	183.00
BCTR89F-ROAD	19956.000	20309.000	926.000	223.00	3.60	633.00
BCTR89K-1	19970.130	20824.720	1049.770	167.56	-14.06	270.00
BCTR89K-2	19974.740	20535.760	936.130	154.15	-5.24	361.00
BCTR89K-ROAD	19902.000	21046.000	1033.000	266.00	4.80	371.00
BCTR89M-1	20971.370	19107.390	958.210	131.63	-2.49	75.00
BCTR89M-2	20965.200	19066.950	964.150	134.16	-3.24	75.00
BCTR89M-3	20960.350	19021.970	968.460	130.42	-3.62	160.00
BCTR89M-4	20960.790	18973.810	972.250	129.06	-4.79	184.00
BCTR89M-5	20949.750	18877.730	971.220	125.55	-5.49	236.00
BCTR89M-6	20936.840	18793.600	969.610	139.16	-5.48	230.00
BCTR89M-7	20863.250	18702.790	955.210	131.99	13.32	250.00
BCTR89M-8	20788.880	18611.960	934.850	126.62	-16.57	650.00
BCTR89M-9	20991.650	18592.870	983.040	130.56	-4.70	50.00
BCTR90B-2	20408.700	18448.600	846.100	161.62	-15.64	216.00
BCTR90B-3	20367.340	18770.900	826.560	152.38	-17.03	117.00
BCTR90B-4	20462.300	18832.500	856.200	152.36	-18.92	39.00
BCTR90C-3	20188.800	19545.500	851.440	154.86	-0.10	342.00
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

C O L L A R S U M M A R Y F O R : trenches.DLF
NORANDA EXPLORATION CO. LTD.

BREWERY CREEK

GRID SYSTEM : ORIGINAL JANUARY 15, 1991

HOLE NUMBER	COLLAR COORDINATES			HOLE DIRECTION		HOLE LENGTH (METRES)
	LATITUDE	DEPARTURE	ELEVATION	AZIMUTH DEGREES	DIP DEGREES	
BCTR90E-1	19490.000	18520.000	785.000	299.01	-4.68	96.00
BCTR90F-3	20186.910	19776.330	884.390	156.64	-5.05	215.00
BCTR90F-4	20118.850	19880.580	897.500	155.81	-7.81	168.00
BCTR90F-5	20114.960	20104.920	962.230	206.62	-5.80	138.00
BCTR90G-1	19932.829	21768.070	1013.000	156.39	-12.23	285.00
BCTR90G-2	19963.020	21892.870	1001.590	163.74	-17.16	209.00
BCTR90G-3	19934.750	21653.020	1025.190	151.12	-14.02	246.00
BCTR90G-4	19519.740	21885.140	925.080	143.85	9.54	147.00
BCTR90G-5	19556.070	21972.670	918.690	149.69	-4.25	174.00
BCTR90G-6	19576.050	22068.040	901.180	146.77	1.29	104.00
BCTR90G-7	20249.740	21480.070	1118.490	157.42	-18.48	174.00
BCTR90G-8	19933.450	22038.390	970.000	339.54	-5.60	170.00
BCTR90G-9	19923.450	21964.810	982.000	317.79	13.01	66.00
BCTR90G-10	19928.950	22083.710	954.400	339.84	-4.41	42.00
BCTR90G-11	20506.500	21446.900	1152.900	341.45	0.71	111.00
BCTR90G-12	19901.500	22135.700	938.900	346.25	-4.23	60.00
BCTR90G-13	19444.390	21801.420	932.410	336.66	2.70	135.00
BCTR90G-14	19923.450	21964.810	982.000	163.11	-14.33	30.00
BCTR90G-4E	19519.740	21885.140	925.080	290.94	15.96	12.00
BCTR90K-3	19971.000	20635.000	974.000	154.21	2.89	180.00
BCTR90K-4	20027.990	20733.120	1051.370	152.64	-15.05	280.00
BCTR90K-5	20020.020	20933.990	1070.850	159.18	-19.73	147.00
BCTR90K-6	20045.260	20868.040	1074.490	154.52	-16.35	96.00
BCTR90K-7	19888.620	21062.850	1034.660	150.15	-21.23	144.00

C O L L A R S U M M A R Y F O R : trenches.DLF
NORANDA EXPLORATION CO. LTD.

BREWERY CREEK

GRID SYSTEM : ORIGINAL

JANUARY 15, 1991

HOLE NUMBER	COLLAR COORDINATES			HOLE DIRECTION		HOLE LENGTH (METRES)
	LATITUDE	DEPARTURE	ELEVATION	AZIMUTH DEGREES	DIP DEGREES	
BCTR90K-8	20020.060	21174.130	1066.890	153.63	-8.93	359.00
BCTR90K-9	20031.350	20839.940	1063.820	152.72	-6.81	30.00
BCTR90K-10	20038.390	20779.761	1040.000	154.01	5.14	144.00
BCTR90K-11	20112.630	21072.400	1098.900	155.06	-13.46	155.00
BCTR90K-12	19962.350	21066.770	1059.160	158.13	-16.76	60.00
BCTR90L-1	19903.000	22840.000	862.600	175.94	17.85	108.00
BCTR90L-2	19861.500	22741.500	886.500	146.52	-12.43	18.00
BCTR90M-10	20618.200	18171.100	909.500	155.60	-9.27	174.00
BCTR90M-1E	20985.000	19100.000	959.000	358.78	-2.00	15.00
BCTR90P-1	20566.600	17020.900	830.910	155.98	-0.19	78.00
BCTR90P-3	20572.600	17020.900	830.910	337.34	-3.99	48.00
BCTR90P-4	20343.400	17089.710	835.300	333.98	0.42	195.00
BCTR90P-5	20505.900	16913.110	825.000	333.81	1.91	309.00

C O L L A R S U M M A R Y F O R : diamond.DLF
NORANDA EXPLORATION CO. LTD.

BREWERY CREEK

GRID SYSTEM : ORIGINAL JANUARY 15, 1991

HOLE NUMBER	COLLAR COORDINATES			HOLE DIRECTION		HOLE LENGTH
	LATITUDE	DEPARTURE	ELEVATION	AZIMUTH DEGREES	DIP DEGREES	(METRES)
BC 89-1	20984.620	19025.910	969.030	140.00	-45.00	100.89
BC 89-2	20836.780	19040.660	957.840	320.00	-45.00	187.60
BC 89-3	19894.560	20275.890	902.220	330.00	-45.00	106.68
BC 89-4	20006.700	19597.660	831.510	330.00	-45.00	87.17
BC 89-5	19991.590	19390.430	800.840	336.00	-45.00	122.22
BC 89-6	19918.730	20126.630	908.310	330.00	-45.00	61.26
BC 89-7	19904.520	19583.620	806.700	336.00	-45.00	140.50
BC 89-8	20040.000	19588.000	839.980	336.00	-45.00	150.27
BC 89-9	20145.420	19593.480	855.790	336.00	-45.00	140.08
BCDDH 90-10	20139.800	19546.640	850.940		-90.00	30.80
BCDDH 90-11	19947.000	19664.000	817.230		-90.00	49.07
BCDDH 90-12	19888.590	19764.940	798.660		-90.00	47.55
BCDDH 90-13	20076.660	19995.950	925.740		-90.00	51.21
BCDDH 90-14	20257.220	20796.510	1050.100		-90.00	149.35
BCDDH 90-15	20782.100	21602.600	1143.300		-90.00	153.92
BCDDH 90-16	20458.150	21580.280	1091.990		-90.00	154.23
BCDDH 90-17	20526.500	21458.400	1155.100		-90.00	127.41
BCDDH 90-18	19967.400	20928.200	1055.550		-90.00	60.35
BCDDH 90-19	20004.800	20862.000	1063.960		-90.00	47.27
BCDDH 90-20	20004.800	20862.000	1063.960	336.00	-45.00	26.82
BCDDH 90-21	19746.130	21759.620	964.700		-90.00	40.23
BCDDH 90-22	20017.000	20104.000	938.820		-90.00	22.86
BCDDH 90-23	20024.200	19996.000	909.220		-90.00	37.19
BCDDH 90-24	19813.540	19657.430	780.100		-90.00	43.89

C O L L A R S U M M A R Y F O R : diamond.DLF
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BREWERY CREEK

GRID SYSTEM : ORIGINAL

JANUARY 15, 1991

HOLE NUMBER	COLLAR COORDINATES			HOLE DIRECTION		HOLE LENGTH (METRES)
	LATITUDE	DEPARTURE	ELEVATION	AZIMUTH DEGREES	DIP DEGREES	
BCDDH 90-25	19788.710	19649.330	776.810		-90.00	48.31

C O L L A R S U M M A R Y F O R : mettests.DLF
NORANDA EXPLORATION CO. LTD.

BREWERY CREEK

GRID SYSTEM : ORIGINAL JANUARY 15, 1991

HOLE NUMBER	COLLAR COORDINATES			HOLE DIRECTION		HOLE LENGTH (METRES)
	LATITUDE	DEPARTURE	ELEVATION	AZIMUTH DEGREES	DIP DEGREES	
BCPQ 90-1	19981.140	20968.780	1060.330		-90.00	36.88
BCPQ 90-2	19759.150	21651.320	974.510		-90.00	46.02
BCPQ 90-3	19845.080	21656.400	1002.050		-90.00	39.32
BCPQ 90-4	19834.630	19660.660	787.660		-90.00	36.58
BCPQ 90-5	20850.510	18927.960	959.430		-90.00	39.62
BCTR90C-3B	0.000	0.000	0.000	156.00	0.00	30.00
BCTR90G-10B	0.000	0.000	0.000	336.00	0.00	13.00
BCTR90K-6B	0.000	0.000	0.000	164.00	0.00	27.00
BCTR90M-1B	0.000	0.000	0.000	128.00	0.00	15.00

APPENDIX III

SECTION SUMMARIES

SECTION SUMMARY

ZONE: Lucky

EASTING: 22838E

NORTHING BOUNDARIES: 19700N - 20000N

DRILL HOLES: BCRC90-210, 211, 212, 213, 318, 319

TARGET: Depth extent of mineralization encountered in BCTR90L-1.

MINERALIZATION: BCRC90-210; 2.34/32m (2-34m)
BCRC90-211; 2.12/62m (2-64m)
BCRC90-212; 2.51/20m (20-40m)
BCRC90-318; 1.67/6m (64-70m)

OXIDATION: The mineralization in BCRC90-210 is completely oxidized to 22m and moderately oxidized to 34. RC-211 is completely oxidized to 42m, moderately from 42-52m and unoxidized from 52-64m. Mineralized interval in BCRC90-212 is strongly oxidized while the interval in BCRC90-318 is unoxidized.

STRUCTURE: Low angle structure that steepens to the north.

GENERAL COMMENTS: Hole BCRC90-211 represents the longest intersection on the property. Hole BCRC90-318 bottomed in mineralization. This section is open down dip to the south.

SECTION SUMMARY

ZONE: Lucky

EASTING: 22696E

NORTHING BOUNDARIES: 19700N/20000N

DRILL HOLES: BCRC90-310, 311, 312, 313

TARGET: Eastern extension of mineralization intersected in BCTR90L-2.

MINERALIZATION: BCRC90-312; 2.50g/6m (48-54m)
BCRC90-313; 1.74g/6m (8-14m)
and ; 3.07g/6m (24-30m)
and ; 2.21g/6m (42-48m)

OXIDATION: Mineralization in BCRC90-312 and the deepest intersection in RC-313 are moderately oxidized. All other intersections are completely oxidized.

STRUCTURE: Low angle south dipping structure is truncated by an east west trending high angle structure between BCRC90-310 and 311.

GENERAL COMMENTS: This section is open down dip to the south and to the west.

SECTION SUMMARY

ZONE: Lucky

EASTING: 22748E

NORTHING BOUNDARIES: 19700N - 20000N

DRILL HOLES: BCRC90-214, 215, 308, 309

TARGET: Depth extent of mineralization intersected in BCTR90L-2.

MINERALIZATION: BCRC90-214; 1.55g/8m; (12-20m)
and ; 3.00g/10m; (26-30m)
and ; 2.68g/6m; (48-54m)
BCRC90-308; 1.31g/28m; (26-54m)

OXIDATION: The upper two packages of mineralization in BCRC90-214 are completely oxidized while the lower mineralization is only moderately oxidized. The mineralization in BCRC90-308 is moderately oxidized.

STRUCTURE: Low angle south dipping structure is truncated by high angle structure between BCRC90-214 and 215.

GENERAL COMMENTS: This section is open down dip to the south.

SECTION SUMMARY

ZONE: Lucky

EASTING: 22791E

NORTHING BOUNDARIES: 19700N - 20000N

DRILL HOLES: BCRC90-314, 315, 316, 317

TARGET: Continuity of mineralization between BCTR90L-1, L2.

MINERALIZATION: BCRC90-315; 3.12g/6m (44-50m)
BCRC90-316; 6.10g/8m (56-64m)
BCRC90-317; 2.51g/6m (56-62m)

OXIDATION: The mineralization in BCRC90-315 is moderately oxidized. While the mineralization in BCRC90-316 and 317 is unoxidized.

STRUCTURE: Low angle structure dips to the south and is truncated by a high angle structure between BCRC90-314 and 315.

GENERAL COMMENTS: This section is open down dip to the south.

SECTION SUMMARY

ZONE: Lucky

EASTING: 22889E

NORTHING BOUNDARIES: 19700N - 20000N

DRILL HOLES: BCRC90-320, 321, 322, 323

TARGET: Eastern extension of mineralization encountered in BCTR90L-1.

MINERALIZATION:
BCRC90-320; 4.80g/20m; (2-22m)
BCRC90-321; 2.03g/12m; (18-30m)
BCRC90-322; 2.12g/8m; (32-40m)
and ; 1.64/8m; (52-60m)
BCRC90-323; 3.04/10m; (2-12m)
and ; 1.96/6m; (64-70m)

OXIDATION: All mineralized intersections are oxidized except BCRC90-322 from 52-60m and BCRC90-323 from 64-70m are unoxidized.

STRUCTURE: This section is dominated by a south dipping low angle structure that steepens to the north.

GENERAL COMMENTS: This is the eastern most section on the property. Therefore mineralization is open to the east.

SECTION SUMMARY

ZONE: Golden

EASTING: 21599E

NORTHING BOUNDARIES: 19700N - 19900N

DRILL HOLES: BCRC90-154, 155, 156, 157, 158, 159, 160

TARGET: To test the western extent of mineralization defined in BCTR90G-3 and the 21653E G-3 drill fence.

MINERALIZATION: BCRC90-157; 7.27g/6m (40-46m); unoxidized
BCRC90-159; 3.09g/24m (4-28m); moderately oxidized
BCRC90-160; 1.57g/22m (10-32); oxidized
Mineralization in this section is generally confined to the intrusive in the upper of four thrust sheets. Anomalous mineralization occurs in the packages above the middle two thrusts. A section of quartz feldspar porphyry is mineralized above the lower thrust in BCRC90-157.

OXIDATION: The intrusive intersected in this section was oxidized. The mineralized intervals intersected were also strongly oxidized with the exception of a 14m section located at 14m - 28m depth in BCRC90-159. Which was weakly oxidized and a 6m section of pyritic quartz feldspar porphyry, at 40m depth, in BCRC90-156 which was unoxidized.

STRUCTURE: A series of four low angle thrust sheets are located in this section.

GENERAL COMMENTS: Further drilling to the south is required to define the extent of mineralization in this direction. The extent of mineralization to the north has been defined.

SECTION SUMMARY

ZONE: Golden

EASTING: 21653E

NORTHING BOUNDARIES: 19700N - 19900N

DRILL HOLES: BCRC90-77, 78, 79, 80, 81, 82, 83, 84

TARGET: To test the depth of surface mineralization defined by BCTR90G-3.

MINERALIZATION: BCRC90-78; 2.47g/24m (2-24m); oxidized
BCRC90-79; 5.20g/18m (16-34m); oxidized
BCRC90-80; 1.95g/6m (10-16m); oxidized
BCRC90-81; 1.76g/6m (2-8m); oxidized
BCRC90-83; 1.96/16m (26-42); moderately oxidized
BCRC90-84; 3.41g/6m (36-42); moderately oxidized

Significant mineralization is confined to the upper two thrust sheets in this section with anomalous values being found in the lower two holes BCRC90-83 & 84 exhibit mineralization in the argillite adjacent to the intrusive contact.

OXIDATION: All of the mineralized intrusive in this section is oxidized with the exception of 8m of quartz feldspar porphyry in BCRC90-83 at 22m depth. The 2m intersections of mineralized argillite, at the intrusive/argillite contact in holes BCRC90-83 and BCRC90-84, are not oxidized.

STRUCTURE: A series of four thrust sheets is apparent in this section.

GENERAL COMMENTS: Further drilling to the south is needed to define the extent of mineralization in this direction.

SECTION SUMMARY

ZONE: Golden

EASTING: 21708E

NORTHING BOUNDARIES: 19700N - 19900N

DRILL HOLES: BCRC90-290, 291, 292, 293, 294, 295, 296, 297

TARGET: To test the extent of mineralization to the east as defined by BCTR90G-3 and drill fence 21653E.

MINERALIZATION:
BCRC90-290; 3.26g/24m; 2m depth; oxidized
BCRC90-291; 2.28g/36m; 10m depth; oxidized
BCRC90-295; 3.72g/12m; 2m depth; oxidized
and 1.84g/6m; 22m depth; oxidized
BCRC90-296; 3.44g/22m; 2m depth; oxidized
BCRC90-297; 1.84g/6m; 22m depth; oxidized

Mineralization is confined to the upper two thrust sheets in this section.

OXIDATION: All mineralized intrusive in this fence is strongly oxidized.

STRUCTURE: Two low angle thrust sheets are apparent in this section.

GENERAL COMMENTS: Further drilling to the north and south is needed to define the northern boundaries of mineralization.

SECTION SUMMARY

ZONE: Golden

EASTING: 21767E

NORTHING BOUNDARIES: 196500N - 19950N

DRILL HOLES: BCRC90-69, 70, 71, 72, 73, 74, 75 76, 146, 147, 161

TARGET: To test the depth of mineralization defined in the BCTR90G-1 trench.

MINERALIZATION:
BCRC90-71; 2.04g/6m; 10m depth; oxidized
BCRC90-72; 1.61g/8m; 34m depth; oxidized
and ; 1.43g/8m; 50m depth; unoxidized
BCRC90-73; 5.18g/10m; 4m depth; oxidized
BCRC90-74; 3.85g/28m; 2m depth; oxidized
BCRC90-75; 1.99g/12m; 2m depth; oxidized
and ; 3.01g/10m; 26m depth; unoxidized
BCRC90-76; 4.75g/14m; 18m depth; oxidized

Significant mineralization is found in each of the three overlying thrusts in this section.

OXIDATION: All mineralization in the intrusive is oxidized. Mineralized zones in the quartz feldspar porphyry are unoxidized (BCRC90-72, 75 lower packages).

STRUCTURE: This section shows three thrust faults overlying each other.

GENERAL COMMENTS: The northern and southern limits of mineralization in this section have been defined.

SECTION SUMMARY

ZONE: Golden

EASTING: 21813E

NORTHING BOUNDARIES: 19650N - 19950N

DRILL HOLES: BCRC90-148, 149, 150, 151, 152, 153, 162, 163, 164

TARGET: To test the eastern extent of mineralization defined in BCTR90G-1 and the 21767E drill fence.

MINERALIZATION:
BCRC90-149; 2.13g/12m; 6m depth; oxidized
BCRC90-151; 4.48g/14m; 16m depth; oxidized
BCRC90-152; 1.84g/14m; 28m depth; oxidized
BCRC90-162; 2.88g/14m; 6m depth; oxidized
BCRC90-163; 2.49g/10m; 22m depth; oxidized

Mineralization is confined to the upper and lower thrust sheets in this section the middle thrust sheet is not mineralized.

OXIDATION: All mineralized intrusive intersected in this section was strongly oxidized.

STRUCTURE: This section exhibits three thrust sheets dipping shallowly to the south.

GENERAL COMMENTS: Further drilling to the north is required to determine the extent of mineralization in this direction.

SECTION SUMMARY

ZONE: Golden

EASTING: 21896E

NORTHING BOUNDARIES: 19650N - 19950N

DRILL HOLES: BCRC90-298, 299, 300, 301, 302, 303, 304, 305, 306, 307

TARGET: To determine the depth of mineralization defined in the BCTR90G-2 trench.

MINERALIZATION: BCRC90-299; 1.60g/10m; 2m depth; oxidized
BCRC90-300; 3.04g/26m; 12m depth
12-32m; oxidized
32-38m; unoxidized
BCRC90-301; 1.83g/6m; 10m depth; oxidized

Mineralization is confined to the intrusive in the centre thrust sheet of this section. A 6m section of argillite was mineralized in BCRC90-300 from 32-38m depth. This is thought to be caused from the intense fracturing of the argillite which allows gold bearing fluids to penetrate the intrusive/argillite contact.

OXIDATION: All mineralized zones in this section were oxidized with the exception of the argillite discussed above.

STRUCTURE: A series of up to four thrust faults can be seen in this section.

GENERAL COMMENTS: The limits of mineralization to the north and south have been defined in this section.

SECTION SUMMARY

ZONE: Golden

EASTING: 21951E

NORTHING BOUNDARIES: 19850N - 20000N

DRILL HOLES: BCRC90-165, 166, 167, 168, 169

TARGET: To test the eastern extent of mineralization defined in the BCTR90G-2 trench and 21896E drill fence.

MINERALIZATION: BCRC90-167; 1.72g/8m; 2m depth; oxidized
Significant mineralization is confined to the second highest of a series of four thrust slices in this section.

OXIDATION: All mineralized intrusive was highly oxidized.

STRUCTURE: A series of four thrust faults dipping to the SW are defined in this section.

GENERAL COMMENTS: Mineralization limits to the north and south have been defined.

SECTION SUMMARY

ZONE: Golden

EASTING: 22040E

NORTHING BOUNDARIES: 19900N - 20050N

DRILL HOLES: BCRC90-143, 144, 145

TARGET: To test the depth of mineralization defined in the BCTR90G-8 trench.

MINERALIZATION: BCRC90-143; 5.01g/22m; 4m depth
4-6m oxidized, 6-14m unoxidized, 14-24m oxidized
24-26m unoxidized
Mineralization in this section is on either side of a thrust splay in the intrusive. The 8m section through the splay is also mineralized. This is thought to be a result of quartz veining as noted in the drill log. The argillite at the argillite/intrusive thrust contact is also mineralized probably as a direct result of fracturing.

OXIDATION: All mineralized intrusive is highly oxidized the argillite is unoxidized.

STRUCTURE: The thrust slice and a splay from the slice are observed in this section.

GENERAL COMMENTS:

SECTION SUMMARY

ZONE: Golden

EASTING: 22083E

NORTHING BOUNDARIES: 19850N - 20000N

DRILL HOLES: BCRC90-170, 171, 172, 173

TARGET: To test extent of mineralization defined in BCTR90G-10 at depth.

MINERALIZATION: BCRC90-172; 1.98/6m; 30m depth
BCRC90-173; 7.43g/2m @2m; unoxidized
and ; 3.75/4m @6m; unoxidized
Mineralization in this section appears to be confined to a high angle quartz vein in the intrusive. The vein strikes at 60 degrees and dips at ~45 degrees to the south. The vein appears to be subparallel to the thrust.

OXIDATION: The intrusive associated with the quartz vein is highly oxidized.

STRUCTURE: A quartz stibnite vein dipping at ~45 degrees parallels a thrust sheet which dips at 30-50 degrees to the south. The quartz vein appears to be discontinuous at depth.

GENERAL COMMENTS: Mineralization limits to the north and south have been defined; however, the limits are still open to the east.

SECTION SUMMARY

ZONE: South Golden

EASTING: 21811E

NORTHING BOUNDARIES: 19450N - 19600N

DRILL HOLES: BCRC90-282, 283, 284, 285

TARGET: To test the depth of mineralization defined in BCTR90G-13.

MINERALIZATION: BCRC90-283: 1.46g/18m (8-18m); moderately oxidized
BCRC90-284: 5.10g/20m (32-52m); unoxidized
Mineralization is confined to the lower thrust sheet and is located in the intrusive and the quartz feldspar porphyry. A stibnite vein is seen in the centre of the mineralized zone in both of these holes.

OXIDATION: The depth of oxidation on this fence is quite variable (BCRC90-292 - 14m; BCRC90-283 - 16m; BCRC90-284 - 28m; BCRC90-285 - 30m) but seems to increase, to the south, up topography, all of the intrusive intersected was oxidized the QFP was unoxidized.

STRUCTURE: This section defines two thrust sheets which dip to the south.

GENERAL COMMENTS:

SECTION SUMMARY

ZONE: South Golden

EASTING: 21887E

NORTHING BOUNDARIES: 19400N - 19600N

DRILL HOLES: BCRC90-179, 180, 181, 286

TARGET: To test the depth of mineralization defined in the BCTR90G-4 trench.

MINERALIZATION: BCRC90-180; 1.39g/18m (6-24m); oxidized
BCRC90-181; 3.36g/12m (2-14m); oxidized
and 1.47g/18m (24-42m); moderately oxidized

Mineralization is confined to the intrusive in the upper thrust sheet and to the intrusive and quartz feldspar porphyry in the lower thrust sheet.

OXIDATION: All of the intrusive intersected was oxidized. The mineralized quartz feldspar porphyry contained 30-60% oxidized intrusive.

STRUCTURE: There are two thrust sheets evident in this section.

GENERAL COMMENTS:

SECTION SUMMARY

ZONE: South Golden

EASTING: 21943E

NORTHING BOUNDARIES: 19500N - 19600N

DRILL HOLES: BCRC90-287, 288, 289

TARGET: The eastern extension of mineralization defined by the 21887E drill fence.

MINERALIZATION: BCRC90-289; 1.64g/6m (16-22) ; oxidized
Mineralization is confined to the upper thrust sheet of this section and is located in the intrusive.

OXIDATION: All intrusive intersected was oxidized.

STRUCTURE: There are two thrust sheets located in this section. The upper of the two corresponds to the lower thrust sheet in sections 21811E and 21887E.

GENERAL COMMENTS: Further drilling to the south is needed to define the southern limit of mineralization in this fence.

SECTION SUMMARY

ZONE: Kokanee

EASTING: 20636E

NORTHING BOUNDARIES: 20000N - 19850N

DRILL HOLES: BCRC90-260, 261, 262, 263, 264

TARGET: Following west extension of mineralization from fence 20685E.

MINERALIZATION: BCRC90-261; 2.36g/2m (12-14m)
BCRC90-262; 3.03g/16m (32-48m)

OXIDATION: All mineralized intersections are strongly oxidized.

STRUCTURE: Five argillite sequences representing thrust splays strike 120 degrees and dip 25-30 degrees SW only one intrusive slice seems to contain significant gold mineralization.

GENERAL COMMENTS: BCRC90-263 should be extended 30m to test the down dip extension of mineralization.

SECTION SUMMARY

ZONE: Kokanee

EASTING: 20685E

NORTHING BOUNDARIES: 20010N - 19875N

DRILL HOLES: BCRC90-128, 129, 130, 131, 132, 133

TARGET: Following west extension of mineralization from K4 fence (20754).

MINERALIZATION: BCRC90-130; 1.62g/6m; (14-20m)
BCRC90-131; 1.30g/10m; (2-12m)
BCRC90-132; 1.25g/20m; includes 1.64g/10m

OXIDATION: 0-42m strongly oxidized, 42m --> moderately oxidized.

STRUCTURE: 4-5 argillite sequences representing thrust splays can be interpreted from the section which dips 30-45 degrees SW. Mineralization is primarily confined to one intrusive slice.

GENERAL COMMENTS:

SECTION SUMMARY

ZONE: Kokanee

EASTING: 20710E

NORTHING BOUNDARIES: 19960N - 19900N

DRILL HOLES: BCRC90-265, 266

TARGET: To better define mineralization between fences 20685E and 20735E.

MINERALIZATION: No significant mineralization.

OXIDATION: All mineralized intersections are strongly oxidized.

STRUCTURE: At least three separate thrust slices can be interpreted dipping steeply at 45 degrees SW.

GENERAL COMMENTS: Correlation of geology was difficult since holes were spaced 50m apart.

SECTION SUMMARY

ZONE: Kokanee

EASTING: 20735E (K4)

NORTHING BOUNDARIES: 20030N - 19840N

DRILL HOLES: BCRC90-65, 66, 67, 68, 124, 125, 126, 127

TARGET: To follow west extension of mineralization from K10 (20775E) and to test depth extension of mineralization exposed in trench K4 (2.5g/30m).

MINERALIZATION: BCRC90-65; 1.82g/14; (2-16m)
BCRC90-66; 1.50g/20m (2-22m)
BCRC90-67; 2.47g/36m (2-38m)
BCRC90-68; 1.5g/12m (24-36m)
BCRC90-124; 2.56g/6m; (8-14m)
BCRC90-127; 2.36g/14m (6-20m)
Mineralization dips 20 degrees to the SW.

OXIDATION: All mineralized intersections are strongly oxidized.

STRUCTURE: Mineralization between holes BCRC90-65 and 68 is confined to the hanging wall intrusive of a 6m thick argillite thrust splay dipping 20 degrees SW. Mineralization in BCRC90-124 is confined to the footwall of this thrust. The mineralized intersection in BCRC90-127 is abruptly cut off between 18-20m. This interval contains 1-3% argillite which may represent a thin thrust splay dipping 45 degrees.

GENERAL COMMENTS:

SECTION SUMMARY

ZONE: Kokanee

EASTING: 20754E

NORTHING BOUNDARIES: 20000N - 19875N

DRILL HOLES: BCRC90-255, 256, 257, 258, 259

TARGET: To define mineralization between drill fences K4 (20735E and K10 (20775E)

MINERALIZATION: BCRC90-259; 1.59g/8m (2-10m)
BCRC90-257; 6.76g/10m; (6-16m)
BCRC90-255; 6.66g/22m; (2-24m)

OXIDATION: All mineralized intersections are strongly oxidized.

STRUCTURE: Several thrust slices can be interpreted dipping 25-60 degrees SW this section is structurally complex which may explain the high grade, discontinuous nature of the mineralization.

GENERAL COMMENTS: Mineralization is open south of BCRC90-255.

SECTION SUMMARY

ZONE: Kokanee

EASTING: 20775E

NORTHING BOUNDARIES: 20050N - 19890N

DRILL HOLES: BCRC90-63, 64, 121, 122, 123

TARGET: To test depth extension of mineralization exposed in trench K10 (2.39g/12m and 1.66g/9m).

MINERALIZATION: BCRC90-63; 3.9g/8m (2-10m)
BCRC90-121; 1.65g/6m; (52-58m)

OXIDATION: All mineralized intersections are strongly oxidized.

STRUCTURE: Two argillite thrust splays dip 15 and 45 degrees south. Mineralization is confined along the steeper dipping thrust.

GENERAL COMMENTS:

SECTION SUMMARY

ZONE: Kokanee

EASTING: 20820E

NORTHING BOUNDARIES: 20050N - 19870N

DRILL HOLES: BCRC90-57, 58, 59, BCRC89-10,11

TARGET: To follow westward extension of mineralization intersected in 20860E drill fence.

MINERALIZATION: BCRC89-11; 1.54g/6m
BCRC90-59; 2.05g/6m

OXIDATION: Mineralized intersections are strongly oxidized.

STRUCTURE: Mineralization is confined along the intrusive/argillite contact (thrust fault) dipping 45 degrees SE.

GENERAL COMMENTS: High grade mineralization would have been intersected if BCRC90-57 was collared 5-10m further south.

SECTION SUMMARY

ZONE: Kokanee

EASTING: 20860E

NORTHING BOUNDARIES: 20050N - 19870N

DRILL HOLES: BCRC90-53, 54, 55, 56, 117, 118, 119, 120, BCDDH90-19, 20

TARGET: To test depth extension of mineralization exposed in trench K6 (1.67g/51m).

MINERALIZATION:
BCRC90-54; 10.70g/12m; (2-14m)
BCRC90-55; 6.27g/16m; (10-26m)
BCRC90-56; 2.27g/12m; (36-48m)
BCDDH90-19; 8.4g/16m (10-26m)
BCDDH90-20; 9.40g/16m; (4-20m)

OXIDATION: All mineralized intersections are moderately oxidized.

STRUCTURE: Mineralization dips 55 degrees SE bounded by the footwall argillite of the thrust. Grade increases up dip along the thrust.

GENERAL COMMENTS: BCRC90-55 and BCDDH90-19 are twinned holes.

SECTION SUMMARY

ZONE: Kokanee

EASTING: 20925E

NORTHING BOUNDARIES: 20200N - 19950N

DRILL HOLES: BCRC90-50, 51, 52, BCDDH90-18

TARGET: To test depth extension of mineralization exposed in trench K-5 (1.75g/30m).

MINERALIZATION: BCRC90-50; 10.98g/2m (2-4m)
BCRC90-51; 1.88g/36m; (2-38m)
BCRC90-18; 2.1g/7.5m; (41-48.5m)

OXIDATION: All mineralized intersections are strongly oxidized.

STRUCTURE: Mineralization dips 60 degrees SE bounded by the footwall argillite of the thrust grade increases up dip and towards the thrust (argillite/intrusive contact).

GENERAL COMMENTS:

SECTION SUMMARY

ZONE: Kokanee

EASTING: 20980E

NORTHING BOUNDARIES: 20010N - 19950N

DRILL HOLES: BCRC90-60, 61, 62, BCPQ90-1

TARGET: Following eastward extension of mineralization from fence 20925E.

MINERALIZATION: BCRC90-61; 4.31g/16m; (2-18m)
and ; 1.82g/10m (24-34m)

OXIDATION: Mineralized intersections are strongly oxidized.

STRUCTURE: Thrust dips 45 degrees SE no significant mineralization was intersected in BCRC90-60 and 62 implying that mineralization may be controlled by high angle faulting striking ~066 degrees.

GENERAL COMMENTS: BCPQ90-1 was twinned with BCRC90-61. BCPQ90-1 only intersected 3m of the bottom 10m mineralized intrusive intersected in BCRC90-61. This lack of geological continuity emphasizes the structural complexity of this section.

SECTION SUMMARY

ZONE: Kokanee

EASTING: 21014E

NORTHING BOUNDARIES: 19850N - 19780N

DRILL HOLES: BCRC90-269, 270, 271

TARGET: To follow westward extension of mineralization intersected in drill fence 21062E.

MINERALIZATION: BCRC90-269; 5.17g/8m (2-10m)
BCRC90-270; 1.48g/10m (26-36m)

OXIDATION: All mineralized intersections are strongly oxidized.

STRUCTURE: Two thrust slices can be interpreted dipping 45 degrees SE. Mineralization is related to both the footwall and hanging wall intrusives of the bottom thrust slice.

GENERAL COMMENTS:

SECTION SUMMARY

ZONE: Kokanee

EASTING: 21020E.

NORTHING BOUNDARIES: 20000N - 19900N

DRILL HOLES: BCRC90-134, 135

TARGET: Following eastward extension of mineralization intersected in the 20980E drill fence.

MINERALIZATION: BCRC90-134; 5.39g/8m (2-10m)
BCRC90-135; 1.58g/18m (4-22m)
includes : 5.38g/4m (18-22m)

OXIDATION: All mineralized intersections are strongly oxidized.

STRUCTURE: Mineralization parallels the thrust which dips 35 degrees SE. Grade increases towards the thrust and up dip.

GENERAL COMMENTS: Mineralization is open down dip.

SECTION SUMMARY

ZONE: Kokanee

EASTING: 21062E (north)

NORTHING BOUNDARIES: 19970N - 19900N

DRILL HOLES: BCRC90-136, 137

TARGET: To test the depth extension of anomalous intrusive exposed in trench K12.

MINERALIZATION: BCRC90-136; 1.50g/18m; (14-32m)

OXIDATION: Mineralized intersection is strongly oxidized.

STRUCTURE: Thrust dips 50 degrees SE grade increases towards thrust contact.

GENERAL COMMENTS: Mineralization is open up dip a maximum of 20m grid north of BCRC90-136.

SECTION SUMMARY

ZONE: Kokanee

EASTING: 21062E (south)

NORTHING BOUNDARIES: 19850N - 19750N

DRILL HOLES: BCRC90-138, 139, 272, 273

TARGET: To test the depth extension of intensely altered anomalous intrusive exposed in trench K7.

MINERALIZATION: BCRC90-139; 3.22g/36m; (2-38m)
BCRC90-272; 1.70g/24m (20-44m)
BCRC90-273; 1.82g/8m; (20-28m)

OXIDATION: All mineralized intersections are strongly oxidized, except BCRC90-272 (22-32m) which is weakly oxidized. 20% QFP.

STRUCTURE: Three thrust slices can be interpreted dipping between 40 and 60 degrees S. Mineralization is primarily confined to the hanging wall intrusive of the bottom thrust.

GENERAL COMMENTS: The bottom thrust slice may pinch out near surface between BCRC90-139 and 138 thus capping the mineralizing fluids. This would explain why mineralization does not continue up dip as far as BCRC90-138.

SECTION SUMMARY

ZONE: Kokanee

EASTING: 21178E (north)

NORTHING BOUNDARIES: 20000N - 19900N

DRILL HOLES: BCRC90-140, 141, 142, 268

TARGET: To test depth extension of mineralization exposed in trench K8. 2.16g/3m and 2.58g/3m.

MINERALIZATION: BCRC90-140; 5.23g/20m (2-22m)
BCRC90-141; 2.50g/14m (32-46m)
BCRC90-142; 2.20g/6m (6-12m)

OXIDATION: All mineralized intersections are strongly oxidized.

STRUCTURE: Four thrust splays can be interpreted dipping steeply at 60 degrees SE. Mineralization is confined to the top two thrust splices, dipping 60 degrees SE mineralization BCRC90-142 is related to the footwall of another thrust.

GENERAL COMMENTS

SECTION SUMMARY

ZONE: Kokanee

EASTING: 21178E (south)

NORTHING BOUNDARIES: 19850N - 19750N

DRILL HOLES: BCRC90-274, 275, 276, 277

TARGET: To follow eastward extension of mineralization intersected in drill fence 21062E (south).

MINERALIZATION: No significant mineralization.

OXIDATION:

STRUCTURE:

GENERAL COMMENTS: Mineralization from drill fence 21062E (south) may trend further south at 110 degrees.

SECTION SUMMARY

ZONE: Kokanee

EASTING: 21229E

NORTHING BOUNDARIES: 19970N - 19850N

DRILL HOLES: BCRC90-278, 279, 280, 281

TARGET: Following eastward extension of mineralization intersected in drill fence 21178E.

MINERALIZATION: BCRC90-278; 1.50g/18m (2-20m)
BCRC90-279; 2.01g/14m (38-52m)

OXIDATION: All mineralized intersections are strongly oxidized.

STRUCTURE: Mineralization dips steeply at 55 degrees SE. More drilling is needed to define mineralized intrusive units and thrust contacts.

GENERAL COMMENTS: BCRC90-279 bottomed in mineralized intrusive and therefore needs to be extended.

SECTION SUMMARY

ZONE: Fosters

EASTING: 19954E

NORTHING BOUNDARIES: 20050N - 20150N

DRILL HOLES: BCRC90-42, 45, 46

TARGET: Western extension of mineralization defined in BCTR89F-2 and the 19976E drill fence.

MINERALIZATION: No significant mineralization was intersected.

OXIDATION: All intrusive intersected was oxidized.

STRUCTURE: A series of two low angle thrust sheets are present.

GENERAL COMMENTS:

SECTION SUMMARY

ZONE: Fosters

EASTING: 19980E

NORTHING BOUNDARIES: 20000N - 20150N

DRILL HOLES: BCRC89-7, BCRC90-37, 38, 41, 43

TARGET: To test the depth of mineralization defined at surface, and to test the northern extent of mineralization defined in BCRC89-7.

MINERALIZATION: BCRC89-7; 3.10g/4m (8-12m); oxidized
BCRC90-38; 1.90g/8m (2-10m); oxidized
Mineralization is confined to the intrusive in the upper thrust sheet.

OXIDATION: All of the intrusive intersected was oxidized.

STRUCTURE: Two thrust sheets are present.

GENERAL COMMENTS: This fence requires further drilling to the south in order to test for the southern limits of mineralization.

SECTION SUMMARY

ZONE: Fosters

EASTING: 20000E

NORTHING BOUNDARIES: 19950N - 20150N

DRILL HOLES: BCRC90-36, 39, 40, 106, 107, 252

TARGET: To test the eastern extent of mineralization defined by BCTR89F-2 and the 19976E drill fence.

MINERALIZATION: BCRC90-36: 1.96g/6m (10-16m); oxidized
BCRC90-39: 1.45g/22m (2-24m); oxidized
BCRC90-40: 1.99g/12m (2-14m); oxidized
BCRC90-107: 3.67/14m (2-16m); oxidized

Mineralization is confined to the intrusive in both the upper and lower thrust sheets.

OXIDATION: All of the intrusive intersected was oxidized.

STRUCTURE: Two thrust sheets are present.

GENERAL COMMENTS: Both the southern and northern limits of mineralization have been defined in this section.

SECTION SUMMARY

ZONE: Fosters

EASTING: 20049E

NORTHING BOUNDARIES: 19950N - 20150N

DRILL HOLES: BCRC90-108, 109, 110, 111, 114, 253

TARGET: To test the eastern extent of mineralization defined in the 20000E drill fence.

MINERALIZATION: BCRC90-111: 2.91g/10m (2-12m); oxidized
Mineralization is confined to the intrusive in the upper thrust sheet and is discontinuous to the north and south of the mineralized hole.

OXIDATION: All intrusive intersected was oxidized with the exception of 4m of fresh intrusive that was intersected at 20m depth in BCRC90-108.

STRUCTURE: Three thrust sheets are apparent in this section.

GENERAL COMMENTS: Northern and southern mineralization limits for this fence have been defined.

SECTION SUMMARY

ZONE: Fosters

EASTING: 21100E

NORTHING BOUNDARIES: 19900N - 20100N

DRILL HOLES: BCRC90-112, 113, 115, 116, 254

TARGET: To test depth of mineralization located BCTR90F-5

MINERALIZATION: BCRC90-116: 3.5g/14m (2-16m) oxidized
Mineralization is confined to the intrusive with some minor occurrences in the argillite at contacts with the mineralized intrusive. The mineralization is present in both the upper and middle thrust sheets and is very discontinuous.

OXIDATION: All of the intrusive intersected was oxidized with exception of hole BCRC90-254 which intersected 4m of unoxidized fresh intrusive at 8m depth and 4m at 18m depth.

STRUCTURE: The drill fence defines a series of three thrust sheets. The northern end of the trench overlying the fence suggests that two more thrust sheets are present.

GENERAL COMMENTS: The northern and southern limits of mineralization in this fence have been defined.

SECTION SUMMARY

ZONE: Fosters

EASTING: 20228E

NORTHING BOUNDARIES: 19950N - 20000N

DRILL HOLES: BCRC90-47, 48

TARGET: To test western extent of mineralization defined in BCRC89-8, as well as the northern extent of mineralization defined in BCTR89F-Road.

MINERALIZATION: No significant mineralization was intersected.

OXIDATION: All intrusive intersected was oxidized.

STRUCTURE: One thrust sheet is apparent in the section.

GENERAL COMMENTS:

SECTION SUMMARY

ZONE: Fosters

EASTING: 20269E

NORTHING BOUNDARIES: 19850N - 20050N

DRILL HOLES: BCDDH89-3, BCRC89-8, BCRC90-49

TARGET: BCDDH89-3 and BCRC89-8 were drilled to test a trench anomaly in BCTR89F-Road. BCRC90-49 was drilled to test the continuation of mineralization defined by BCRC89-8 to the north.

MINERALIZATION: BCRC89-8: 1.77g/16m (6-22m); oxidized Mineralization is confined to the upper thrust sheet in this fence. The mineralization is very close to the surface. BCDDH89-3 did not intersect any significant mineralization. This appears to be due to the fact that the hole was cased through the mineralized zone and therefore not sampled. Although mineralization limits have been defined to the north in this fence.

OXIDATION: All intrusive intersected was oxidized.

STRUCTURE: A series of three thrust sheets is defined in this section.

GENERAL COMMENTS: Further drilling is required to define the southern limit. Further drilling to the east is also required.

SECTION SUMMARY

ZONE: Canadian

EASTING: 19820E

NORTHING BOUNDARIES: 19929N, 20005N

DRILL HOLES: BCRC90-207, 208, 209, 216

TARGET: Following eastward extension of mineralization intersected in drill fence 19775E.

MINERALIZATION: Although greater than 60m of limonitic intrusive was intersected there was no significant mineralization.

OXIDATION:

STRUCTURE:

GENERAL COMMENTS:

SECTION SUMMARY

ZONE: Canadian

EASTING: 19775E

NORTHING BOUNDARIES: 19780N - 20070N

DRILL HOLES: BCRC89-6, BCRC90-31, 32, 33, 34, 35, BCDDH90-12

TARGET: Following eastward extension of mineralization from drill fence 19704E.

MINERALIZATION: BCRC90-34; 1.74g/10m (14-24m)
BCRC90-35; 1.7g/10m (2-12m)
Mineralization intersected in BCRC90-35 is confined within argillite containing stibnite. Mineralization dips 25 degrees S.

OXIDATION: The mineralized intersection in BCRC90-34 is strongly oxidized.

STRUCTURE: The mineralized argillite in BCRC90-35 may represent the footwall of a mineralized intrusive slice dipping steeply from surface. This argillite may also form the northeastern boundary of mineralization in the Canadian Zone. All holes drilled grid east from 19775E in the Canadian Zone are unmineralized.

GENERAL COMMENTS: Further drilling between drill fences 19775 E and 19704E is needed to define the northeastern limit of mineralization.

SECTION SUMMARY

ZONE: Canadian

EASTING: 19704E

NORTHING BOUNDARIES: 19850N - 20094N

DRILL HOLES: BCRC90-195 to 205

TARGET: To better define the trend of mineralization between drill fences 19660E and 19775E.

MINERALIZATION:

BCRC90-205;	1.50g/16m	(8-24m)
BCRC90-204;	2.44g/20m	(2-22m)
BCRC90-203;	2.13g/18m	(2-20m)
BCRC90-202;	1.63g/18m	(2.20m)
BCRC90-201;	2.05g/10m	(10-20m)
BCRC90-200;	1.67g/10m	(16-26m)
BCRC90-198;	3.76g/24m	(2-26m)
BCRC90-197;	3.48g/6m	(14-20m)
BCRC90-196;	1.45g/6m	(6-12m)

Mineralization dips gently at 10 degrees SW.

OXIDATION: All mineralized intersections are strongly oxidized.

STRUCTURE: Between 19980N and 19850N mineralization is very continuous, bounded by an argillite wedge (thrust slice) striking 120 degrees and dipping 10 degrees SW. Fault gouge within argillite intersected in BCRC90-197 and 198 may be a structural control for mineralization. Furthermore the apparent thinning of intrusive toward the northeast and the presence of silicified argillite (indicative of argillite/intrusive contacts) imply that these holes may be proximal to the toe of a mineralized thrust slice.

GENERAL COMMENTS: Mineralization remains open grid south.

SECTION SUMMARY

ZONE: Canadian

EASTING: 19660E

NORTHING BOUNDARIES: 19788N - 20118N

DRILL HOLES: BCRC90-21 to 25, BCDDH90-11, BCRC90-26 to 30, 103, 104 BCPQ90-4, 105, BCDDH90-24, BCRC90-250, BCDDH90-25.

TARGET: To test the depth extension of mineralization exposed in Trench C-4, 1.1g/1.05m & 1.24g/141m.

MINERALIZATION:

BCDDH90-25; 1.82g/6m (10-16m)	BCRC90-24; 1.40g/20m (8-28m)
BCRC90-105; 2.00g/12m (22-34m)	BCRC90-25; 3.1g/26m (4-30m)
BCDDH90-24; 2.6g/26m (18-44m)	BCRC90-11; 2.95g/26m (4-30m)
BCRC90-104; 2.10g/16m (14-30m)	BCRC90-26; 2.0g/16m (12-28m)
BCRC90-21; 1.71g/12m (18-30m)	BCRC90-27; 1.53g/6m (22-28m)
BCRC90-22; 1.71g/8m (28-36m)	BCRC90-29; 2.80g/16m (4-20m)
BCRC90-23; 1.33g/6m (2-8m)	
1.50g/12m (1.50g/12m)	BCRC90-30; 2.1g/8m (4-12m)

OXIDATION: BCRC90-105 2.00g/12m weakly oxidized pyritic (1-2%) QFP all other mineralized intersections are moderately to strongly oxidized.

STRUCTURE: Mineralization extends from surface to approximately 30m where it is abruptly cut off by a narrow lense of graphitic argillite (thrust fault) striking 120 degrees and dipping 10 degrees SW. Argillite lenses within the mineralized intrusive (representing other thrust splays) have a similar attitude to this lower graphitic thrust, but undulate considerably down dip.

GENERAL COMMENTS: Mineralization remains open grid south significant mineralization occurs within silicified argillite in BCRC90-27 & 29.

SECTION SUMMARY

ZONE: Canadian

EASTING: 19625E

NORTHING BOUNDARIES: 19808N - 20145N

DRILL HOLES: BCRC90-182 to 193 BCRC89-5

TARGET: To better define the trend of mineralization between drill fences 19590E and 19660E.

MINERALIZATION:

BCRC90-182; 1.94g/10m (2-12m)	BCRC90-183; 1.45g/6m (8-14m)
BCRC89-5; 2.56g/14m (10-24m)	BCRC90-184; 1.35g/6m (18-24m)
BCRC90-185; 1.63g/6m (2-8m)	BCRC90-186; 1.04g/28m (2-30m)
BCRC90-187; 1.51g/30m (2-32m)	BCRC90-188; 1.41g/22m (12-34m) 2.0g/6m (32-38m)

BCRC90-193; 2.40g/6m (34-40m)
Mineralization dips gently at 10 degrees SW.

OXIDATION: BCRC90-188; 2.0g/6m (32-38m). Weakly oxidized QFP containing 1% pyrite. All other mineralized intersections are strongly oxidized.

STRUCTURE: Mineralization is primarily confined near surface in two intrusive slices striking 120 degrees and dipping 10 degrees SW. These thrust slices undulate down dip resulting in north dipping intrusive-argillite contacts.

GENERAL COMMENTS: Significant minerali occurs within argillite in BCRC90-185 and 186 and BCRC89-5. Minerali remains open grid south.

SECTION SUMMARY

ZONE: Canadian

EASTING: 19590E

NORTHING BOUNDARIES: 19904N - 20145N

DRILL HOLES: BCRC89-4,7,8,9/BCRC90-19,20

TARGET: To test the depth extension of mineralization exposed in Trench C-1 (1.5g/114m).

MINERALIZATION: BCDDH89-4; 1.8g/26m (10-36m)
BCDDH89-8 2.32g/32m (4-36m)
BCRC90-20; 1.48g/26m (2-28m)

OXIDATION: All mineralized intersections are strongly oxidized.

STRUCTURE: Mineralization is abruptly cut off by a graphitic horizon (thrust fault) striking 120 degrees. This mineralized intrusive slice steepens northward from 5-20 degrees, pinching out between BCRC90-20 and BCDDH89-9.

GENERAL COMMENTS:

SECTION SUMMARY

ZONE: Canadian

EASTING: 19545E

NORTHING BOUNDARIES: 20073N - 20162N

DRILL HOLES: BCRC90-16, 17, 18, 98, 99

TARGET: To test the depth extension of mineralization exposed in Trench C-3 1.78g/42m.

MINERALIZATION: BCRC90-98; 1.93g/6m (2-8m)
BCRC90-99; 1.63g/10m (18-28m)
BCRC90-18; 1.60g/24m (2-26m)
BCRC90-17; 1.63g/20m (2-22m)
BCRC90-16; 1.48g/8m (2-10m)
Mineralization dips 20 degrees SW.

OXIDATION: All mineralized intersections are strongly oxidized.

STRUCTURE: Mineralization is bounded by a thin 1-2m thick argillite lense (thrust) striking 120 degrees and dipping 20 degrees SW. Grade decreases down dip. The mineralized thrust slice pinches out 10m grid north from BCRC90-16 (20172N).

GENERAL COMMENTS:

SECTION SUMMARY

ZONE: Canadian

EASTING: 19516E

NORTHING BOUNDARIES: 20175N

DRILL HOLES: BCRC90-15

TARGET: Following westward extension of mineralization intersected in drill fence 19545E.

MINERALIZATION: No significant minerali. The top 10m of the hole averaged 350 ppb over 10m.

OXIDATION: All anomalous intersections are strongly oxidized.

STRUCTURE: Anomalous gold minerali is cut off by a 4m thick argillite unit (thrust similar to the thrust in drill fence 19545E).

GENERAL COMMENTS: More drilling grid south of BCRC90-15 is needed to define the extent of mineralization between drill fences 19480E and 19545E.

SECTION SUMMARY

ZONE: Canadian

EASTING: 19480E (north)

NORTHING BOUNDARIES: 20120N - 20170N

DRILL HOLES: BCRC90-100, 101, 102

TARGET: Following westward extension of mineralization intersected in drill fence 19545E.

MINERALIZATION: BCRC90-101 1.92g/16m (2-18m)

OXIDATION: All mineralized intersections are strongly oxidized.

STRUCTURE: Mineralized intrusive thrust slice thins northward from 24m in RC-100 to less than two metres in RC-102. Significant mineralization is localized in RC-101, where the thrust steepens to 30 degrees, causing greater imbrication.

GENERAL COMMENTS:

SECTION SUMMARY

ZONE: Canadian

EASTING: 19411E

NORTHING BOUNDARIES: 19978N

DRILL HOLES: BCRC90-97

TARGET: Following westward extension of mineralization exposed in C-2.

MINERALIZATION: No significant mineralization grade increases toward surface reaching a maximum of 1100ppb.

OXIDATION:

STRUCTURE: Limonitic intrusive confined to the top 8m.

GENERAL COMMENTS

SECTION SUMMARY

ZONE: Canadian

EASTING: 19480E (south)

NORTHING BOUNDARIES: 19874N - 19925N

DRILL HOLES: BCRC90-94, 95, 96

TARGET: Following eastward extension of mineralization exposed in C-2 trench.

MINERALIZATION: No significant mineralization grade increases towards surface reaching a maximum of 960ppb.

OXIDATION:

STRUCTURE: Limonitic intrusive confined to the top 6-8m.

GENERAL COMMENTS

SECTION SUMMARY

ZONE: Canadian

EASTING: 19435E

NORTHING BOUNDARIES: 19975N - 19924N

DRILL HOLES: BCRC90-91, 92, 93

TARGET: To test depth extension of mineralization exposed in trenching (1.46g/18m).

MINERALIZATION: No significant mineralization. Grade increases toward surface reaching a maximum of 650ppb.

OXIDATION:

STRUCTURE: Limonitic intrusive confined to the top 6-10m, which pinches out toward the northwest.

GENERAL COMMENTS:

SECTION SUMMARY

ZONE: Blue

EASTING: 18421E

NORTHING BOUNDARIES: 20000N - 20500N

DRILL HOLES: BCRC90-247, 248, 251

TARGET: To test the mineralization exposed in trench B2 (2.56g/24m).

MINERALIZATION: BCRC90-247; 3.34g/24m (2-26m)
BCRC90-248; 2.63g/6m (6-12m)

OXIDATION: All mineralized sections are strongly oxidized.

STRUCTURE: Unlike most sections in the Brewery Creek deposit the mineralization here is not confined to the intrusive but is also found in the argillite and mudstone. The intense quartz and stibnite veining between BCRC90-247, and 248 suggest this is a shear zone and the mineralization is fracture controlled.

GENERAL COMMENTS: It is unclear whether this shear zone is related to zone exposed in trench B4, the mineralization in both is shallow and seen to be structurally related. A parallel trench on both sides of B2 (100m spacing) is needed to test the width of this zone.

SECTION SUMMARY

ZONE: Blue

EASTING: 18883E

NORTHING BOUNDARIES: 20000N - 20500N

DRILL HOLES: BCRC89-14, BCRC90-240, 241

TARGET: To test the width of the mineralization exposed in trench B4 (2.47g/24m).

MINERALIZATION: BCRC89-14; 1.2g/4m (16-20m)
BCRC90-241; 1.45g/2m (12-14m)

OXIDATION: All mineralized sections were strongly oxidized.

STRUCTURE: The mineralization is confined to the upper band of intrusive , which is the same intrusive exposed in trench B4.

GENERAL COMMENTS: Although BCRC89-14; shows that the mineralization continues down dip, the grade and width of mineralization decreases substantially.

SECTION SUMMARY

ZONE: Blue

EASTING: 18835E

NORTHING BOUNDARIES: 20000N - 20500N

DRILL HOLES: BCRC90-237, 238, 239, 243

TARGET: To test the mineralization exposed in trench B4 (2.74g/24m).

MINERALIZATION: BCRC90-238; 3.84g/2m (2-4m)
BCRC90-239; 1.7g/2m (4-6m)

OXIDATION: All mineralized sections are strongly oxidized.

STRUCTURE: BCRC90-237 and 238 correlates very well with both showing a series of four thin intrusive/argillite wedges, all dipping south. BCRC90-238 and 239 do not correlate at all suggesting a fault or shear zone between them.

GENERAL COMMENTS: The probable fault between BCRC90-238 and 239 may indicate that the significant mineralization in the trench between them is fault related.

SECTION SUMMARY

ZONE: Blue

EASTING: 18773E

NORTHING BOUNDARIES: 20000N - 20500N

DRILL HOLES: BCRC90-242, 244, 245, 246

TARGET: To test mineralization exposed in trench B3 (1.43g/3m) and to test the width of mineralization exposed to trench B4 (2.74g/24m).

MINERALIZATION: BCRC90-244; 1.47/2m (2-4m)
BCRC90-246; 1.69/2m (2-4m)

OXIDATION: All mineralized section are strongly oxidized.

STRUCTURE: The mineralized contact at BCRC90-246 appears to be dipping to the south, another drill hole 25m grid south may show if this mineralization continues down dip.

GENERAL COMMENTS: BCRC90-244 and 245 were collared to test the width of the mineralization exposed in trench B4, BCRC90-244 did intersect a shallow zone of mineralization it is unclear whether it is related to the zone in B4.

SECTION SUMMARY

ZONE: Moosehead

EASTING: 19035E

NORTHING BOUNDARIES: 20500N-21100N

DRILL HOLES: DDH89-1, BCDDH89-2, BCRC90-88, BCRC90-222, BCRC90-224

TARGET: To test the depth of mineralization exposed in Trench M3 (1.77g/22m)

MINERALIZATION:
DDH89-1; 2.54g/6m (75-81m)
DDH89-2; 1.70g/8m (73-81m)
BCRC90-88; 1.08g/2m (12-14m)
BCRC90-222; 1.4g/2m (36-38m)
BCRC90-224; 1.4g/12m (2-14m)
BCRC90-224; 1.8g/8m (22-30m)

OXIDATION: Mineralized intersections in DDH-1, DDH-2 and RC-222 are unoxidized. Mineralization in RC-88 and the lower half of RC-224 are lightly oxidized. Mineralization in the upper half of RC-224 was strongly oxidized.

STRUCTURE: Mineralization occurs mostly in the two of three thrust faulted wedges. Mineralization also occurs under these intrusive wedges in the volcanics (DDH-1).

GENERAL COMMENTS: The mineralization in DDH-1 (volcanics) occurs at the same level (73-81m) as the mineralization in DDH-2 (intrusive, which suggests they are connected by a fracture system.

SECTION SUMMARY

ZONE: Moosehead

EASTING: 18827E

NORTHING BOUNDARIES: 20500N-21100N

DRILL HOLES: BCRC90-85, BCRC 90-233, BCRC 90-235

TARGET: To test depth of mineralization exposed in Trench M6 (1.67g/14m).

MINERALIZATION: BCRC90-85; 2.3/2m (14-16m)

OXIDATION: Mineralized intersection is strongly oxidized.

STRUCTURE: Mineralization is confided to a 25-30m wedge of thrust faulted intrusive (Dips S.W.).

GENERAL COMMENTS: RC-233 failed to intersect the significant M6 trench mineralization.

SECTION SUMMARY

ZONE: Moosehead

EASTING: 18999E

NORTHING BOUNDARIES 20500N-21100N

DRILL HOLES: BCRC90-89, BCRC90-223, BCRC90-225

TARGET: To test the depth of mineralization exposed in Trench M4 (1.38g/26m).

MINERALIZATION: BCRC90-87; 1.61g/30m (2-32m)
BCRC90-223; 1.91g/24m (38-62m)
BCRC90-225; 1.30g/20m (4-24m)

OXIDATION: Mineralization in RC-87 is strongly oxidized to 20m and lightly oxidized to 32m. RC-225 is strongly oxidized. Mineralization in 223 moderately oxidized.

STRUCTURE: Mineralization occurs in the lowest of three thrust faulted intrusive wedges (Dips S.W.). A band of brecciated argillite separates this sequence of thrust faulted intrusive from a lower sequences of volcanics.

GENERAL COMMENTS: The sequence of volcanics intersected in RC-87 outcrop north of the Moosehead Zone and are documented in BCDDH89-1 and BCDDH89-2.

SECTION SUMMARY

ZONE: Moosehead

EASTING: 18931E

NORTHING BOUNDARIES: 20500N-21100N

DRILL HOLES: BCRC90-86, BCRC90-227, BCRC90-232

TARGET: To test the depth of mineralization exposed in Trench M5 (1.2g/10m), (2.55g/4m) and (2.8g/2m).

MINERALIZATION: BCRC90-86; 2.32g/14m (10-24m)
BCRC90-227; 1g/18m (35-54m)
BCRC90-232; 1.38g/2m (10-12m)
BCRC90-232; 1.09g/4m (16-20m)
BCRC90-232; 1.17g/8m (44-52m)

OXIDATION: All mineralized intersections are strongly oxidized except the bottom of RC-232 which is lightly oxidized with 30-50% red/orange quartz with abundant disseminated pyrite.

STRUCTURE: Mineralization occurs in the upper wedge of a thrust faulted wedge of intrusive (Dips S.W.) RC-86 and RC-227 are separated by a fault that displaces mineralization on the surface by 60m.

GENERAL COMMENTS: The fault running through this section offsets the Moosehead mineralization by 60m (Left Lateral Fault).

SECTION SUMMARY

ZONE: Moosehead

EASTING: 18966E

NORTHING BOUNDARIES: 20500N-21100N

DRILL HOLES: BCRC90-228, BCRC90-229

TARGET: To test mineralization between trench M4 (1.38g/26m) and M5 (1.2g/10m, 2.55g/4m, and 2.8g/2m).

MINERALIZATION: No significant results.

OXIDATION:

STRUCTURE: A left lateral fault runs parallel on the west side of the section offsetting the mineralization exposed in Trench M4 and M5.

GENERAL COMMENTS: This fence should have been drilled 50m grid north to compensate for the offset.

SECTION SUMMARY

ZONE: Moosehead

EASTING: 19080E

NORTHING BOUNDARIES: 20500N-21100N

DRILL HOLES: BCRC90-89, BCRC90-220, BCRC90-221

TARGET: To test the depth of mineralization exposed in Trench M2 (1.49g/17m).

MINERALIZATION:
BCRC90-89; 2.15g/12m (10-22m)
BCRC90-220; 1.76g/6m (4-10m)
BCRC90-220; 1.55g/4m (16-20m)
BCRC90-221; 1.12g/2m (54-56m)
BCRC90-221; 1.52g/4m (64-68m)

OXIDATION: Mineralization in RC-89 and RC-220 is strongly oxidized. Mineralization in RC-221 is lightly oxidized.

STRUCTURE: Mineralization is confined to a wedge of steeply dipping (40-45 degrees) intrusive. The wedge is thrust over a sequence of volcanics.

GENERAL COMMENTS:

SECTION SUMMARY

ZONE: Moosehead

EASTING: 18876E

NORTHING BOUNDARIES: 20500N-21100N

DRILL HOLES: BCRC89-1, BCRC90-226, BCRC90-230

TARGET: To test mineralization between Trench M5 (1.2g/10m, 2.55g/4m and 2.8g/2m) and M6.

MINERALIZATION: BCRC89-1; 3.47g/6m (32-38m)
BCRC89-1; 1.67g/10m (54-64m)
BCRC90-230; 3.43g/8m (6-14m)
BCRC90-230; 3.59g/4m (22-26m)

OXIDATION: Mineralization in RC-1 is lightly oxidized, upper mineralization in RC-230 is strongly oxidized, lower mineralization in RC-230 is lightly oxidized.

STRUCTURE: Mineralization is confided to a 230m wedge of thrust faulted intrusive (Dips S.W.).

GENERAL COMMENTS

SECTION SUMMARY

ZONE: Moosehead

EASTING: 19126E

NORTHING BOUNDARIES: 20500N-21100N

DRILL HOLES: BCRC90-90, BCRC90-218, BCRC90-219

TARGET: To test the depth of mineralization exposed in Trench M1 (1.90g/18m).

MINERALIZATION: BCRC90-90; 1.63g/22m (2-24m)
BCRC90-218; 1.66g/10m (2-12m)
BCRC90-219; 1.43g/28m (48-76m)

OXIDATION: All mineralized intersections are strongly oxidized except RC-219 which has weak to moderate oxidation.

STRUCTURE: Mineralization is confined to a 10-20m wedge of thrust faulted intrusive (Dips S.W.).

GENERAL COMMENTS: This mineralized wedge of intrusive appears to pinch out east of this section.

SECTION SUMMARY

ZONE: Moosehead

EASTING: 18777E

NORTHING BOUNDARIES: 20500N-21100N

DRILL HOLES: BCRC90-231, BCRC90-234, BCRC90-236

TARGET: To follow west extension of mineralization from Trench M6.

MINERALIZATION: BCRC90-231; 1.81g/16m (16-32m)

OXIDATION: Mineralized intersection is partially oxidized.

STRUCTURE: Mineralization is confined to a 25-30m wedge of thrust faulted intrusive (Dips S.W.).

GENERAL COMMENTS: Mineralization is open to the west.

SECTION SUMMARY

ZONE: Pacific

EASTING: 17026E

NORTHING BOUNDARIES: 20450N-20650N

DRILL HOLES: BCRC90-174, 175, 176, 177

TARGET: Depth extent of mineralization identified in BCTR90-1,3 (1.42g/9m and 2.09g/30m).

MINERALIZATION:
BCRC90-175; 2.03g/6m
BCRC90-176,177 have broad low grade intersections.

OXIDATION: All intersections are oxidized.

STRUCTURE: Mineralization is hosted by a zone of thrust faulting which dips to the south at 20 degrees.

GENERAL COMMENTS: Mineralization is associated with quartz and stibnite veins hosted in a fissile mudstone unit within the low angle structure below the footwall of the intrusive.

SECTION SUMMARY

ZONE: Pacific

EASTING: 17626E

NORTHING BOUNDARIES: 20300N-20500N

DRILL HOLES: BCRC90-178, 194

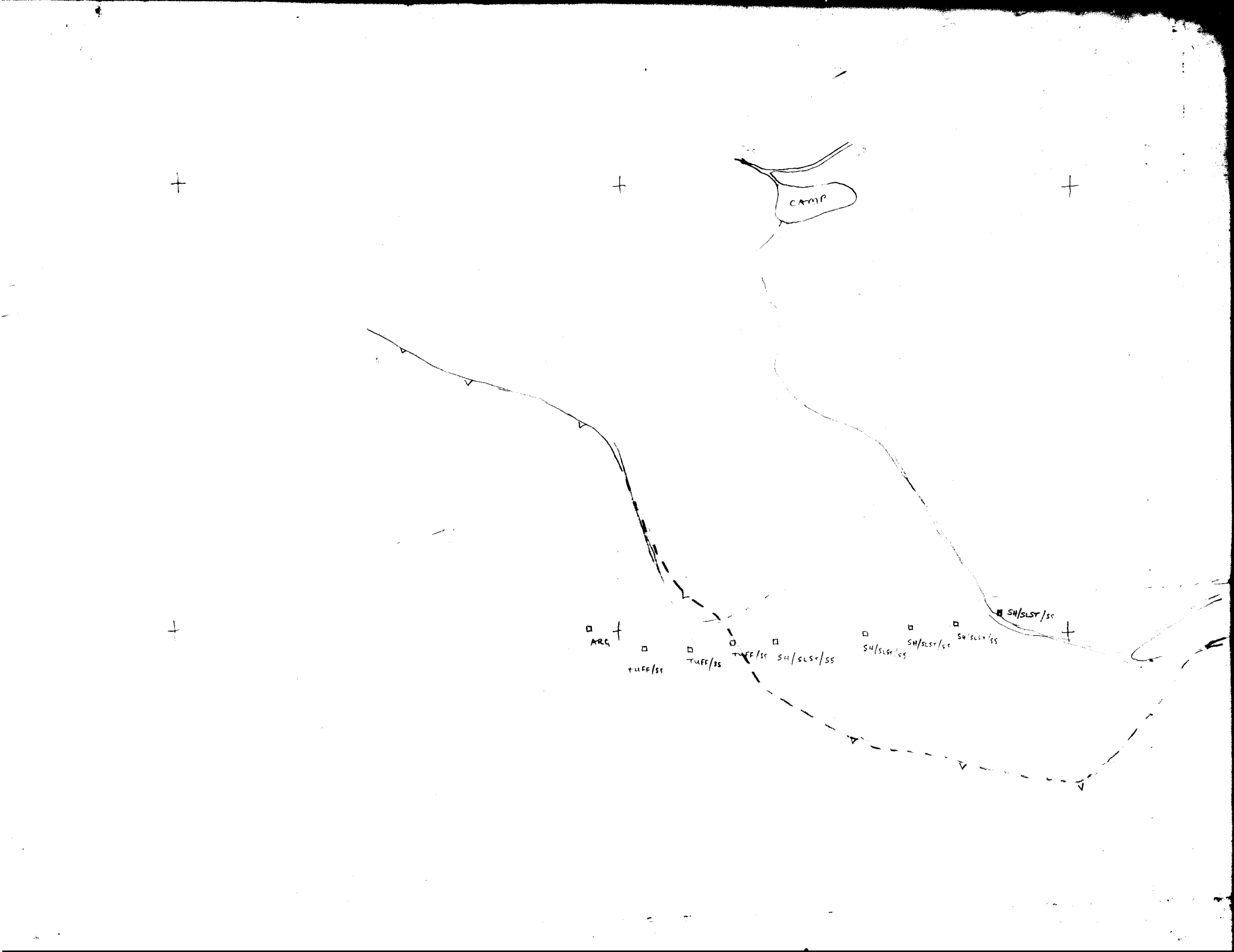
TARGET: Soil geochem.

MINERALIZATION: Broad zone of anomalous values.

OXIDATION: Oxidized throughout.

STRUCTURE: The two holes on this section are separated by a fault structure of unknown orientation.

GENERAL COMMENTS: Mineralization in this section is more typical of Moosehead or Blue zone.


CAMP
ARG
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BREWERY CREEK GOLD PROPERTY: TABLE OF FORMATIONS

Age	Group	Formation	Description
Cretaceous (91 Ma)	Tombstone Plutonic Suite	Quartz monzonite	**QUARTZ MONZONITE** High level sills of quartz monzonite with K-feldspar megacrysts up to 2 cm across.
Cretaceous (91 Ma)	Tombstone Plutonic Suite	Biotite monzonite	**BIOTITE MONZONITE** Fine grained monzonite with about 50% dark minerals, mostly biotite.
Cretaceous (91 Ma)	Tombstone Plutonic Suite	Syenite	**SYENITE** Medium grained syenite with hornblende instead of biotite crystals.
Triassic		Gabbroic sills	**BASALT, ANDESITE, DIORITE AND GABBRO** Basalt, andesite, diorite and gabbro sills & dykes: main sill is intruded into Mississippian tuff unit. Most characteristic rock types are medium grained gabbro, black hornblende-plagioclase porphyry and aphanitic black basalt, sometimes vesicular. These rocks contain abundant magnetic pyrrhotite.
Mid Mississippian to Early Pennsylvanian		Tsichu Formation	**QUARTZ SANDSTONE AND SILTSTONE** Fine grained light grey, well sorted quartz sandstone and dark grey siliceous shale.

Mississippian	Earn Group	Keno Hill Lower Schist equivalent: same unit which hosts the Marg volcanogenic massive sulphide deposit.	**TUFF** Fine grained white weathering light green to white felsic tuff, cherty tuff, limestone and chert. Typically contains 1 cm bands of black chert and beds of light grey limestone with birdseye vugs and small scale crossbeds, probably deposited in shallow water. Gradational contact with underlying chert unit.
Upper Devonian to Mid-Mississippian	Earn Group	Middle Prevost Formation	**CONGLOMERATE** Massive debris flow conglomerate, multi-coloured Duo Lake Formation chert pebbles and occasional clasts of Hyland Group micaceous quartzite in siliceous matrix, derived from WNW. Clasts range up to about 4 cm in size and from rounded to angular. In this area the conglomerate seems to be emplaced within the chert unit described below: similar chert beds occur above and below the conglomerate.
Upper Devonian to Mid-Mississippian	Earn Group	Lower Prevost Formation	**CHERT** Thin-bedded dark grey chert with white tuffaceous interbeds.
Upper Devonian	Earn Group	Portrait Lake Formation	**LIMESTONE** Fetid black limestone with fossil fragments, dated as Upper Devonian.
Upper Devonian to Mid-Mississippian	Earn Group	Portrait Lake Formation	**SHALE** Fissile, grey to brown-weathering, non-calcareous fine grained shale, pin striped and slightly burrowed silty shale, sandstone and greywacke lenses, minor chert pebble conglomerate.

Lower to Upper Devonian	Earn Group	Portrait Lake Formation	**ARGILLITE** Black baritic shale and argillite
Lower to Upper Devonian, probably Frasnian (Early Late Devonian barite of regional extent according to Gordey)	Earn Group	Portrait Lake Formation	**BARITE** Light grey laminated barite
Lower to Upper Devonian	Earn Group	Portrait Lake Formation	**LIMESTONE** Black micritic limestone, weathers grey.
Lower to Upper Devonian	Earn Group	Portrait Lake Formation	**BLACK ARGILLITE** Black siliceous argillite, chert and graphitic shale. Characteristically fractured, brecciated and quartz veined in places. In drill core, interbedded with yellow-weathering siltstone at top of Steel Formation. According to Gordey, the base of the Earn Group is defined as the top of the highest wispy-laminated siltstone layer.
Silurian	Road River Group	Steel Formation	**SILTSTONE** Yellow-weathering burrowed siltstone with wispy laminations, calcareous silty shale. Contains a distinctive bed of yellow-weathering, hard blue-grey siliceous dolomite. Also contains at least one band of black chert similar to underlying Duo Lake Formation.
Ordovician-Silurian	Road River Group	Duo Lake Formation	**CHERT** Black chert and argillite; chert is massive and lacks banding; no limy or tuffaceous layers.
Cambro-Ordovician		Menzie Creek Volcanics	**ANDESITE VOLCANICS** Dark calcareous andesite amygdaloidal flows and tuffs

BREWERY CREEK GOLD PROPERTY: STRATIGRAPHIC SEQUENCE BY ZONE

Pacific	Blue	Canadian	Fosters	Kokanee	Golden	Lucky	Bohemian	Schooner	Sleemans	Moosehead	Extra	Classic
												Tsichu Fm
								Tuff				
Conglom.	Conglom.											
Sandstone	Sandstone											
Shale	Shale			Shale	Shale	Shale	Shale	Argillite	Shale	Shale	Shale	Shale
Intrusive	Intrusive	Intrusive	Intrusive	Intrusive	Intrusive	Intrusive	Intrusive	Intrusive	Intrusive	Intrusive	Intrusive	Intrusive
Argillite	Argillite	Argillite	Argillite	Argillite	Argillite	Argillite	Argillite	Argillite	Argillite	Argillite	Argillite	Argillite
				Barite								
				Limestone								
				Steel Fm	Chert Brx	Steel Fm	Steel Fm			Steel Fm		
					Duo Lake	Duo Lake						
										FAULT		
										Menzie Ck		

Shading indicates mineralized formations.

Angle	Radians	Tangents	Cotangents	Spacing
0	0	0	Infinite	Infinite
1	0.017453	0.017455	57.28996	2864.498
2	0.034907	0.034921	28.63625	1431.813
3	0.05236	0.052408	19.08114	954.0568
4	0.069813	0.069927	14.30067	715.0333
5	0.087266	0.087489	11.43005	571.5026
6	0.10472	0.105104	9.514364	475.7182
7	0.122173	0.122785	8.144346	407.2173
8	0.139626	0.140541	7.11537	355.7685
9	0.15708	0.158384	6.313752	315.6876
10	0.174533	0.176327	5.671282	283.5641
11	0.191986	0.19438	5.144554	257.2277
12	0.20944	0.212557	4.70463	235.2315
13	0.226893	0.230868	4.331476	216.5738
14	0.244346	0.249328	4.010781	200.539
15	0.261799	0.267949	3.732051	186.6025
16	0.279253	0.286745	3.487414	174.3707
17	0.296706	0.305731	3.270853	163.5426
18	0.314159	0.32492	3.077684	153.8842
19	0.331613	0.344328	2.904211	145.2105
20	0.349066	0.36397	2.747477	137.3739
21	0.366519	0.383864	2.605089	130.2545
22	0.383972	0.404026	2.475087	123.7543
23	0.401426	0.424475	2.355852	117.7926
24	0.418879	0.445229	2.246037	112.3018
25	0.436332	0.466308	2.144507	107.2253
26	0.453786	0.487733	2.050304	102.5152
27	0.471239	0.509525	1.962611	98.13053
28	0.488692	0.531709	1.880726	94.03632
29	0.506145	0.554309	1.804048	90.20239
30	0.523599	0.57735	1.732051	86.60254
31	0.541052	0.600861	1.664279	83.21397
32	0.558505	0.624869	1.600335	80.01673
33	0.575959	0.649408	1.539865	76.99325
34	0.593412	0.674509	1.482561	74.12805
35	0.610865	0.700208	1.428148	71.4074
36	0.628319	0.726543	1.376382	68.8191
37	0.645772	0.753554	1.327045	66.35224
38	0.663225	0.781286	1.279942	63.99708
39	0.680678	0.809784	1.234897	61.74486
40	0.698132	0.8391	1.191754	59.58768
41	0.715585	0.869287	1.150368	57.51842
42	0.733038	0.900404	1.110613	55.53063
43	0.750492	0.932515	1.072369	53.61844
44	0.767945	0.965689	1.03553	51.77652
45	0.785398	1	1	50
46	0.802851	1.03553	0.965689	48.28444
47	0.820305	1.072369	0.932515	46.62575
48	0.837758	1.110613	0.900404	45.0202
49	0.855211	1.150368	0.869287	43.46434

50	0.872665	1.191754	0.8391	41.95498
51	0.890118	1.234897	0.809784	40.4892
52	0.907571	1.279942	0.781286	39.06428
53	0.925025	1.327045	0.753554	37.6777
54	0.942478	1.376382	0.726543	36.32713
55	0.959931	1.428148	0.700208	35.01038
56	0.977384	1.482561	0.674509	33.72543
57	0.994838	1.539865	0.649408	32.47038
58	1.012291	1.600335	0.624869	31.24347
59	1.029744	1.664279	0.600861	30.04303
60	1.047198	1.732051	0.57735	28.86751
61	1.064651	1.804048	0.554309	27.71545
62	1.082104	1.880726	0.531709	26.58547
63	1.099557	1.962611	0.509525	25.47627
64	1.117011	2.050304	0.487733	24.38663
65	1.134464	2.144507	0.466308	23.31538
66	1.151917	2.246037	0.445229	22.26143
67	1.169371	2.355852	0.424475	21.22374
68	1.186824	2.475087	0.404026	20.20131
69	1.204277	2.605089	0.383864	19.1932
70	1.22173	2.747477	0.36397	18.19851
71	1.239184	2.904211	0.344328	17.21638
72	1.256637	3.077684	0.32492	16.24598
73	1.27409	3.270853	0.305731	15.28653
74	1.291544	3.487414	0.286745	14.33727
75	1.308997	3.732051	0.267949	13.39746
76	1.32645	4.010781	0.249328	12.4664
77	1.343904	4.331476	0.230868	11.54341
78	1.361357	4.70463	0.212557	10.62783
79	1.37881	5.144554	0.19438	9.719015
80	1.396263	5.671282	0.176327	8.816349
81	1.413717	6.313752	0.158384	7.919222
82	1.43117	7.11537	0.140541	7.027042
83	1.448623	8.144346	0.122785	6.139228
84	1.466077	9.514364	0.105104	5.255212
85	1.48353	11.43005	0.087489	4.374433
86	1.500983	14.30067	0.069927	3.496341
87	1.518436	19.08114	0.052408	2.620389
88	1.53589	28.63625	0.034921	1.746038
89	1.553343	57.28996	0.017455	0.872753
90	1.570796	3.8E+16	2.7E-17	1.3E-15

2 limestones?
2 conglomerates?

BREWERY CREEK GOLD PROPERTY: TABLE OF FORMATIONS

Age	Group	Formation	Description
Cretaceous (91 Ma)	Tombstone Plutonic Suite	Quartz monzonite 921	**QUARTZ MONZONITE** High level sills of quartz monzonite with K-feldspar megacrysts up to 2 cm across.
Cretaceous (91 Ma)	Tombstone Plutonic Suite	Biotite monzonite 929	**BIOTITE MONZONITE** Fine grained monzonite with about 50% dark minerals, mostly biotite.
Cretaceous (91 Ma)	Tombstone Plutonic Suite	Syenite 923	**SYENITE** Medium grained syenite with hornblende instead of biotite crystals.
Triassic		Gabbroic sills 911	**BASALT, ANDESITE, DIORITE AND GABBRO** Basalt, andesite, diorite and gabbro sills & dykes: main sill is intruded into Mississippian tuff unit. Most characteristic rock types are medium grained gabbro, black hornblende-plagioclase porphyry and aphanitic black basalt, sometimes vesicular. These rocks contain abundant magnetic pyrrhotite.
Mid Mississippian to Early Pennsylvanian		Tsichu Formation 914	**QUARTZ SANDSTONE AND SILTSTONE** Fine grained light grey, well sorted quartz sandstone and dark grey siliceous shale.

Tuff / Tuff breccia
Barite
Black Arg.
Rhyolite

Mississippian	Earn Group	Keno Hill Lower Schist equivalent: same unit which hosts the Marg volcanogenic massive sulphide deposit. 990	**TUFF** Fine grained white weathering light green to white felsic tuff, cherty tuff, limestone and chert. Typically contains 1 cm bands of black chert and beds of light grey limestone with birdseye vugs and small scale crossbeds, probably deposited in shallow water. Gradational contact with underlying chert unit.
Upper Devonian to Mid-Mississippian	Earn Group	Middle Prevost Formation (917	**CONGLOMERATE** Massive debris flow conglomerate, multi-coloured Duo Lake Formation chert pebbles and occasional clasts of Hyland Group micaceous quartzite in siliceous matrix, derived from WNW. Clasts range up to about 4 cm in size and from rounded to angular. In this area the conglomerate seems to be emplaced within the chert unit described below: similar chert beds occur above and below the conglomerate.
Upper Devonian to Mid-Mississippian	Earn Group	Lower Prevost Formation 949	**CHERT** ~~and limestone~~ Thin-bedded dark grey chert with white tuffaceous ~~interbeds~~ ~~dark grey limestone~~
UNCONFORMITY			
Upper Devonian	Earn Group	Portrait Lake Formation 903	**LIMESTONE** Fetid black limestone with fossil fragments, dated as Upper Devonian.
Upper Devonian to Mid-Mississippian	Earn Group	Portrait Lake Formation 943 941 (SS)	**SHALE, GREYWACKE** Fissile, grey to brown-weathering, non-calcareous fine grained shale, pin striped and slightly burrowed silty shale, ~~sandstone and greywacke lenses, minor chert pebble conglomerate~~.

and grey thin bedded silty argillite & fine grained sandstone
e.g. 18100E, 18375N

dark tuff and
with dark
grey limestone at base
May be stratigraphic equivalent to
Portrait Lake
fine grained, locally
greywacke,
contains abundant
white weathering
feldspar in places.

Indian and Northern Affairs Canada
Affaires indiennes et du Nord Canada

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200 Range Road
Whitehorse, Yukon
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FAX

TO: Rick Diment
Loki Gold Corp. 604-684-9877 (FAX)

FROM: Trevor Bremner 604-684-8123 (TEL)

DATE: 4 Feb /94

PAGES TO FOLLOW: 6

SPECIAL INSTRUCTIONS:

These are the results of the first set of clay analyses. All were samples of plastic clay from fault zones – it looks as if they are hydrothermal clays – most prominent is illite. The Foster's zone roadcut appears to be higher temperature (>550°C) – see Bonnie's summary item 10 – and this would make the Foster's Zone the core of the system.

OUR FAX NUMBER: (403) 668-2176

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PROCEDURE:

I took about one gram of sample for the preparation of each set of slides. I tried to get as much clay as possible, and removed obvious pieces of other rock. Since each sample were damp when I took it out of the canister, I needed to dry it before proceeding. The sample was placed in the ceramic mortar, and then under a heat lamp until dry. The sample was under the heat lamp for only a few minutes. The heat from the lamp would not be enough to break down any clay structure.

Once the sample was dry, it was ground to a fine powder. About three-quarters of the sample was removed and put into small vials. The last quarter was put into a small beaker, 10 ml, and mixed with 5 ml tap water until dissolved.

The beaker was swirled for a couple of seconds to get the fine particles into suspension. The top 1-2 ml of the liquid was removed with a pipette, and placed onto three slides. I did this several times with each slide in order to cover the slide. The sample was then allowed to air-dry.

Once dry, one slide was placed in an oven at 550 °C for an hour and a half. It was allowed to cool to room temperature before being analyzed.

The second slide was placed in a glycolator for about 24 hours. It was allowed to dry before being analyzed.

The third slide was analyzed as soon as it was dry.

There was a problem with the thermostat on the oven used to heat the samples. Samples 1-TJB and 5-TJB were not heated to above the required temperature although the thermostat read 550 °C.. The other samples were heated to above 550 °C. The thermostat read over 600 °C but the glass slides did not melt. It seems that the thermostat reads the temperature at 50 °C above the actual temperature.

One quick note about some of the standards used in the XRD analysis; quartz is used as an internal standard. If the quartz peaks are shifted left or right, with respect to the standard line, then you know that the rest of the peaks for the other minerals will also be shifted in the same direction. Also, there may not always be peaks where they are supposed to be, as indicated by the standard lines. The presence of peaks depends on the orientation of the minerals, if the minerals are not oriented in that direction, then a peaks will not be shown.

In order to determine exactly what clays are present in your samples, the XRD peaks that "best fit" the standard clay peaks were chosen.

Clay peaks are generally broader than crystalline peaks. The kaolinite peaks, in many of the samples, are strong sharp peaks. This may be because the grains were aligned such that they gave a strong diffraction.

The clays that I was looking for were:

kaolinite
sericite
illite
smectite
montmorillonite
chlorite

It is normal for the clay peaks to be shifted slightly right or left of the clay standard. There is a small range within which the peaks can be.

Montmorillonite will always give a peak at about 6 °2θ. If chlorite is present, its peak will be obscured by the montmorillonite peak.

Kaolinite will always give peaks at 12°2θ and 25°2θ.

In order to differentiate between smectite and kaolinite when the untreated sample showed that both smectite and kaolinite was present, it was necessary to run the heated sample, and the glycolated sample. Kaolinite will disappear with heating, the smectite is unaffected. Smectite will disappear when glycolated, the kaolinite is unaffected. The heated sample is also used to differentiate between chlorite and kaolinite.

Usually, when the first run gave a definitive analysis of the clays present, then it was not necessary to run the heated or glycolated samples.

In most cases, you will have the standard picture and the "zoomed" picture. The "zoomed" picture gives a better idea of how the peaks fit the standards, since it is sometimes hard to determine on the standard picture.

SAMPLES:

TJB-1:

Quartz: The peaks are shifted slightly to the right with respect to the standard lines.
Kaolinite: Three obvious kaolinite peaks, which are shifted to the left of the standards.
Montmorillonite: One obvious peak at 6 °2θ.. Peak missing at 18 °2θ.
Orthoclase: Strong peaks near the quartz peaks, all are shifted slightly right.

When heated (1H-TJB) the kaolinite did not disappear, but the montmorillonite did. The kaolinite did not disappear because the sample was not heated to the required temperature due to a faulty thermostat in the oven. The disappearance of montmorillonite may be due to the removal of water in its structure during heating.

TJB-2:

Quartz: The peaks are centered on the standard peaks.
Kaolinite: Minor peaks.
Montmorillonite: Minor , broad peak at 5.5 °2θ . Peaks are shifted to the left of the standard lines.
Illite: Broad peaks shifted slightly to the right of the standard lines.
Orthoclase: Short, sharp peaks around the quartz peaks.
Pyrrhotite: Minor. Sharp peak at 15 °2θ .

TJB-3:

Quartz: Peaks are shifted slightly to the right of the standard lines.
Illite: Sharp peaks centered on the standard lines.
Montmorillonite: Minor. Low, broad peaks.
Kaolinite: Minor. Shifted to the right of the standard lines.
Barite: Sharp peak at 25 °2θ. Peaks missing at 26 and 27 °2θ.

With heating (3H-TJB), the kaolinite and montmorillonite peaks disappear. The disappearance of montmorillonite may be due to the removal of water in the structure during heating.
Although the barite standard only matched one peak of three, it is a logical choice given the environment.

TJB-4:

Quartz: The peaks are very slightly shifted to the right of the standard peaks.
Kaolinite: Minor broad peaks, shifted slightly to the right.
Illite: Minor, slightly sharp peaks.

TJB-5:

Quartz: The peaks are shifted slightly to the right of the standard peaks.
Illite: Sharp peak.
Kaolinite: Sharp peaks. The intensity of the peaks between 20 and 22 °2θ is less than the standard. Minor peak at 23 °2θ is missing.
Alunite: Minor. Sharp peaks at 15 °2θ and at 25 °2θ. Peaks are shifted to the left.

With heating (5H-TJB), the major kaolinite peak at 12 °2θ is reduced, and the minor peaks near 22 °2θ is removed. Kaolinite is not completely destroyed because the slide was not heated to 550 °C, due to a faulty thermostat in the oven.

TJB-6:

Quartz: Peaks are shifted to the right of the standard lines.
Illite: Broad peaks.
Kaolinite: Sharp peaks at 12 °2θ and 25 °2θ. Peak missing at 20 °2θ. Could be due to lack of minerals oriented in that direction (002).

When heated (6H-TJB), the kaolinite peaks disappeared.

TJB-7:

Quartz: Slight shift to the right with respect to the standard lines.
Illite: Strong, broad peaks. Some of the smaller peaks are missing.
Kaolinite: Minor broad peaks, centered on the standard lines.

With heating (7H-TJB), the kaolinite peaks are destroyed and the illite peaks become sharper, more intense. The small double illite peak at 20 °2θ in 7R-TJB, coalesces into a more pronounced peak after heating.

TJB-8:

Quartz: Shifted slightly to right of the standard lines.
Kaolinite: Very strong, sharp peaks, shifted slightly to the right of the standard lines. The intensity of the peaks between 20 and 22 °2θ is not as great as the standard lines. Other peaks missing between 23 and 29 °2θ.
Illite: Minor, broad peaks, shifted to the right of the standard lines.
Montmorillonite: Minor peaks, centered on the standard lines.

With heating (8H-TJB), the kaolinite peaks disappear and the illite peaks become better defined. The montmorillonite peak also disappears after heating. Since there only a small amount of montmorillonite, its disappearance may be due to the removal of water in its structure.

TJB-9:

Quartz: Peaks are centered on the standard lines.
Illite: Broad peaks, shifted to the left of the standard lines.
Clinochlore: Sharp peaks that don't disappear with heating. Peaks missing at 6 and 19 °2θ.

After heating (9H-TJB), the peaks at 12 and 23 °2θ remain. Since it was heated above 550 °C, these peaks are not kaolinite peaks. The illite peaks become sharper, more defined after heating.

TJB-10:

Not affected by heating or glycolation. Therefore, no smectite or kaolinite present.

Illite: Major, broad peaks.
Jarosite (common alteration product, usually yellow): Sharp peaks at 29 °2θ, with minor peaks at 15 °2θ.
Clinochlore: Two types of clinochlore fit the peak structure. Peaks missing at 19 °2θ.
Alunite: Minor. Fits peak at 25 °2θ.

ANALYSIS:

I'm not sure what exactly you expected. The XRD analysis can only really say the constituents in the rocks. There are no "high-temperature" clays. The only indication of temperature is whether or not kaolinite is present. If it is , then the temperature of the system is less than 550 °C. If it isn't present, like in 10-TJB, then the temperature is over 550 °C.

The samples usually did not contain alunite, which is found in high sulphide systems. There were only two samples, 2-TJB and 3-TJB, that had sulphide components, both very minor. Therefore, it looks like a low sulphide system, but not a high-temperature system.

BREWERY CREEK GOLD PROPERTY: TABLE OF FORMATIONS

Age	Group	Formation	Thickness	North Panel	Central Panel	South Panel
Cretaceous (91 Ma)	Tombstone Plutonic Suite	Quartz monzonite		**QUARTZ MONZONITE** High level sills of quartz monzonite with K-feldspar megacrysts up to 2 cm across.	**QUARTZ MONZONITE** as previously described.	**QUARTZ MONZONITE** as previously described.
Cretaceous (91 Ma)	Tombstone Plutonic Suite	Biotite monzonite				**BIOTITE MONZONITE** Fine grained monzonite with about 50% dark minerals, mostly biotite.
Cretaceous (91 Ma)	Tombstone Plutonic Suite	Syenite				**SYENITE** Medium grained syenite with hornblende instead of biotite crystals.
Triassic		Gabbro				**BASALT, ANDESITE, DIORITE AND GABBRO** Basalt, andesite, diorite and gabbro sills & dykes intruding Mississippian tuff. The most characteristic rock types are medium grained gabbro, black hornblende-plagioclase porphyry and aphanitic black, locally vesicular basalt. These rocks contain abundant magnetic pyrrhotite.
Mid Mississippian to Early Pennsylvanian		Tsichu Formation: Keno Hill Quartzite equivalent				**QUARTZ SANDSTONE AND SHALE** Fine grained light grey, well sorted quartz sandstone and dark grey siliceous shale.

Mississippian	Earn Group	Keno Hill Lower Schist equivalent: same unit which hosts the Marg volcanogenic massive sulphide deposit.		**TUFF AND TUFF BRECCIA** Fine grained white weathering light green to white felsic tuff; lithic tuff with grey chert matrix; chert breccia with tuffaceous matrix.		**TUFF** Fine grained, white weathering light green to white felsic tuff, siliceous tuff, limestone and chert. Typically contains thin bands and concretions of black chert and beds of light grey limestone with birdseye vugs and small scale crossbeds, probably deposited in shallow water. Gradational contact with underlying chert unit.
Upper Devonian to Mid-Mississippian	Earn Group	Middle Prevost Formation			**CONGLOMERATE AND GREYWACKE** Massive debris flow conglomerate, containing multi-coloured pebbles of Duo Lake Formation chert in a siliceous matrix; coarse pebbly greywacke. Conglomerate seems to be emplaced within the shale and greywacke unit described below.	**CONGLOMERATE** Massive debris flow conglomerate, containing multi-coloured pebbles of Duo Lake Formation chert and occasional clasts of Hyland Group micaceous quartzite in a siliceous matrix. Clasts range up to about 4 cm in size and from rounded to angular. In this area the conglomerate seems to be emplaced within the chert unit described below: similar chert beds occur above and below the conglomerate. According to Gordey, source area probably lies to the WNW.

Upper Devonian to Mid-Mississippian	Earn Group	Lower Prevost Formation			**SHALE, GREYWACKE** Fissile, grey to brown-weathering, non-calcareous fine grained shale; pin striped and slightly burrowed silty shale; sandstone and greywacke lenses, locally tuffaceous, minor chert pebble conglomerate.	**CHERT** Thin-bedded dark grey chert and minor interbedded white felsic tuff.
Lower to Upper Devonian	Earn Group	Portrait Lake Formation			**ARGILLITE** Black baritic shale and graphitic argillite	
Lower to Upper Devonian, probably Frasnian (Early Late Devonian barite of regional extent according to Gordey)	Earn Group	Portrait Lake Formation		**BARITE** Light grey laminated barite	**BARITE** Light grey laminated barite and minor interbedded felsic tuff.	
Lower to Upper Devonian	Earn Group	Portrait Lake Formation			**LIMESTONE** Black micritic limestone, weathers grey.	**LIMESTONE** Thin bedded brown to grey weathering silty limestone, calcareous siltstone and dark grey chert.

Lower to Upper Devonian	Earn Group	Portrait Lake Formation		**GRAPHITIC ARGILLITE** Black siliceous argillite, chert and graphitic shale. Characteristically fractured, brecciated and quartz veined in places. In drill core, interbedded with yellow-weathering siltstone at top of Steel Formation. According to Gordey, the base of the Earn Group is defined as the top of the highest wispy-laminated siltstone layer.	**GRAPHITIC ARGILLITE** Black siliceous argillite, chert and graphitic shale as previously described.	
UNCONFORMITY						
Ordovician-Silurian	Road River Group	Steel Formation		**SILTSTONE** Yellow-weathering burrowed siltstone with wispy laminations, calcareous silty shale, Contains a distinctive bed of yellow-weathering, hard blue-grey siliceous dolomite and interbeds of black graphitic argillite similar to the unit above. Also contains at least one band of black chert similar to underlying Duo Lake Formation.	**SILTSTONE** Yellow-weathering siltstone, calcareous silty shale and interbedded graphitic argillite and chert as previously described	**SILTSTONE** Yellow-weathering siltstone, calcareous silty shale and interbedded graphitic argillite as previously described Several thin beds of fossiliferous limestone occur within this unit; one of these contained Middle Ordovician conodonts (GSC location no. C-108148).
Ordovician-Silurian	Road River Group	Duo Lake Formation		**CHERT** Black chert and argillite; chert is massive and lacks banding; no limy or tuffaceous layers.	**CHERT** Black chert and argillite; chert is massive and lacks banding; no limy or tuffaceous layers.	

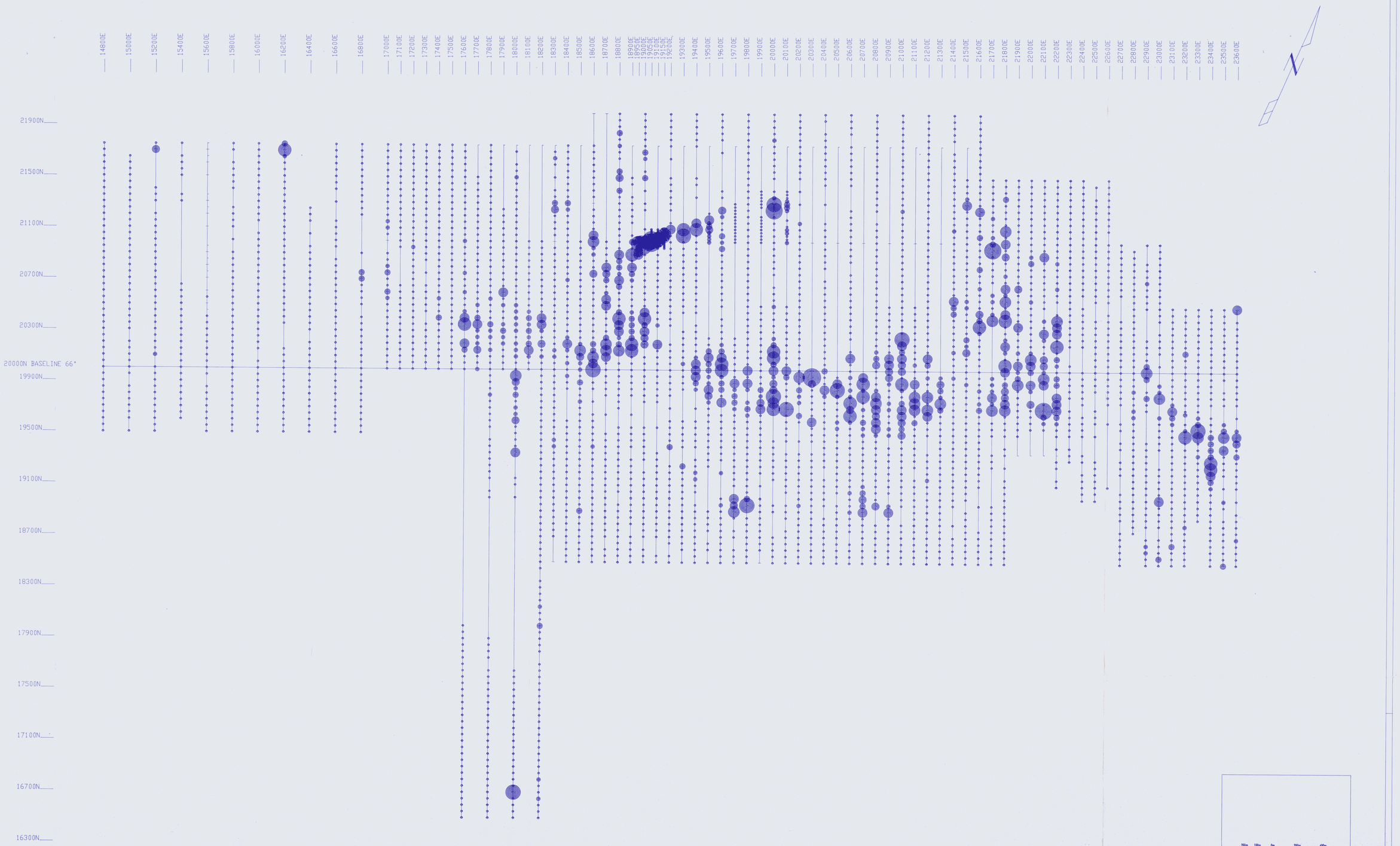
Cambro-Ordovician		Menzie Creek Volcanics		**MAFIC TUFFS, FLOWS AND BRECCIA** Dark calcareous amygdaloidal flows, tuffs and volcanic breccia; probably andesitic; highly altered with calcite and zeolite-filled amygdules; thin limestone interbeds.	**MAFIC TUFFS, FLOWS AND BRECCIA** Mafic flows, tuffs and volcanic breccia as previously described.	

BREWERY CREEK GOLD PROPERTY: MINERALIZED HORIZONS BY ZONE

Pacific	Blue	Canadian	Fosters	Kokanee	Golden	Lucky	Bohemian	Schooner	Sleemans	Moosehead	Extra	Classic
												Tsichu Fm
					Tuff			Tuff				
Conglom.	Conglom.											
Sandstone	Sandstone											
Shale	Shale			Shale	Shale	Shale	Shale	Argillite	Shale	Shale	Shale	Shale
Intrusive	Intrusive	Intrusive	Intrusive	Intrusive	Intrusive	Intrusive	Intrusive	Intrusive	Intrusive	Intrusive	Intrusive	Intrusive
Argillite	Argillite	Argillite	Argillite	Argillite	Argillite	Argillite	Argillite	Argillite	Argillite	Argillite	Argillite	Argillite
				Barite								
				Limestone								
				Steel Fm		Steel Fm	Steel Fm			Steel Fm		
					Duo Lake	Duo Lake						
										Menzie Ck		

Shading indicates mineralized formations.

MOOSEHEAD
CANADIAN
FOSTER
KOKANEE
GOLDEN
BLUE
PACIFIC
CAMP
LEGEND
DRILL HOLE
TRENCH
SURVEY POINT (12" spike in ground with metal tag. eg. S.B.M. No. 32)
SURVEYED CLAIM POSTS
UNSURVEYED CLAIM POSTS
CLAIM LINE
L21000E CUT LINES
1950000E REFERENCE GRID FOR CO-ORDINATE PLOT
ROADS
MAG. NORTH
31°33'
REVISED
OCTOBER 12, 1990
NOVEMBER 5, 1990
BREWERY CREEK
092928
PROJ. No. : 327
N.T.S. : 116 B/1
DWG. No.
SURVEY BY : G.L.
DATE : SEPTEMBER 1990
DRAWN BY : HANDESIGN
SCALE : 1 : 5000
NORANDA EXPLORATION
OFFICE : WHITEHORSE



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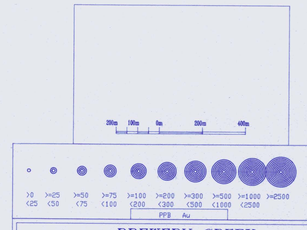

BREWERY CREEK

SOIL GEOCHEMICAL SURVEY

PPB Au

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BASELINE AZIMUTH : 66 Deg.

SCALE = 1:10000 DATE : 6/27/88

SURVEY BY : GM NTS :

FILE: C327BRE

NORANDA EXPLORATION

092928

noranda
NORANDA EXPLORATION CO. LTD.

rev 5.00 Thu 18 Oct 1990 at 14:51 Centre of plot at 19000.0E/19850.0N Serial # C90141. Registered User : NORANDA EXPLORATION

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21900N
21500N
21100N
20700N
20300N
20000N BASELINE 66°
19900N
19500N
19100N
18700N
18300N
17900N
17500N
17100N
16700N
16300N

N

IDEALIZED GRID

200m 100m 0m 200m 400m

>0 <50 | >=50 <100 | >=100 <200 | >=200 <300 | >=300 <500 | >=500 <750 | >=750 <1000 | >=1000 <2000 | >=2000 <3000 | >=3000

PPM As

BREWERY CREEK

SOIL GEOCHEMICAL SURVEY

PPM As

PROJECT: BREWERY CREEK PROJECT # : 327

BASELINE AZIMUTH : 66 Deg.

SCALE = 1:10000 DATE : 6/27/88

SURVEY BY : GM NTS :

FILE: C327BRE

NORANDA EXPLORATION 092928

noranda
NORANDA EXPLORATION CO. LTD.

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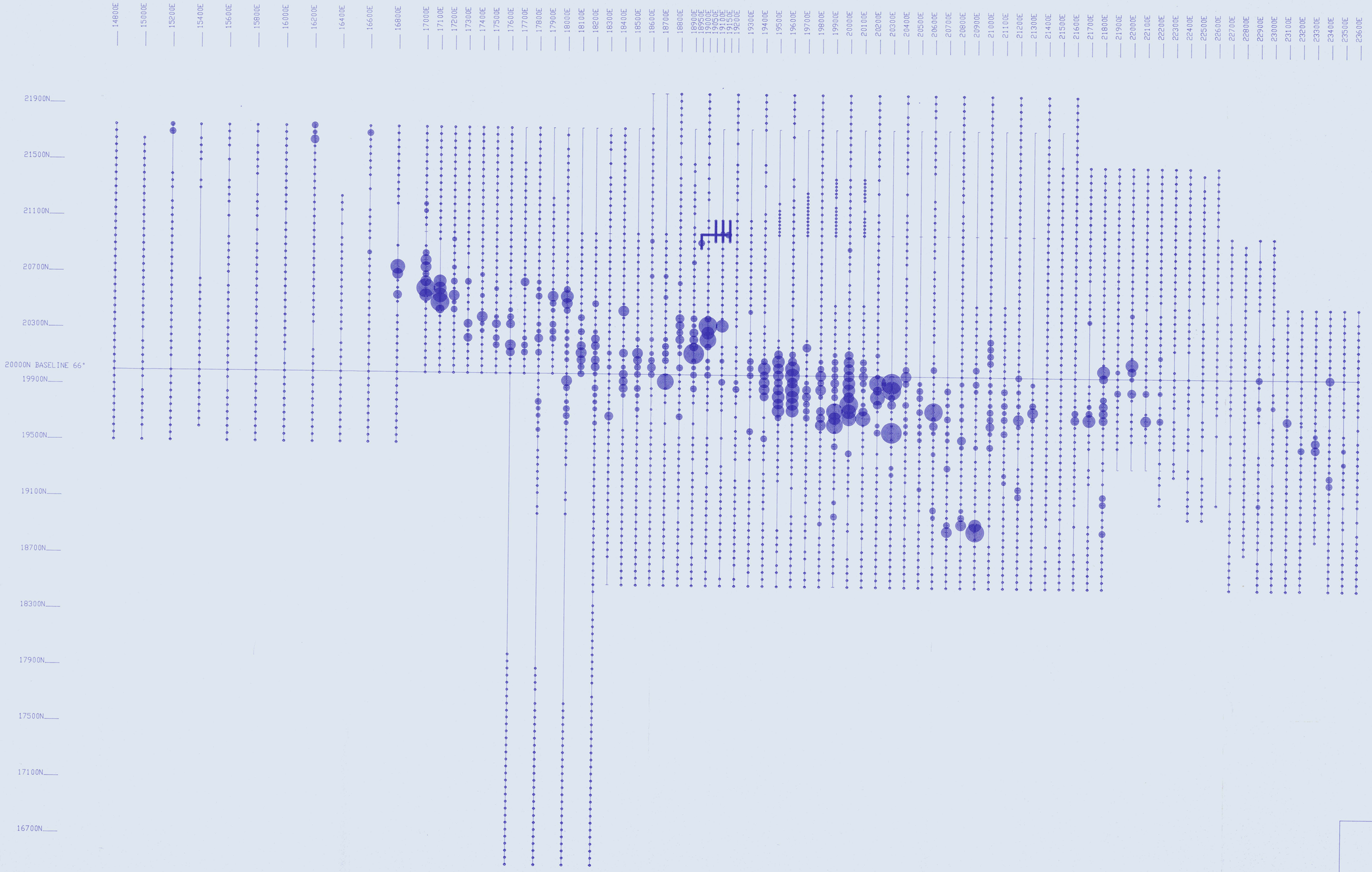

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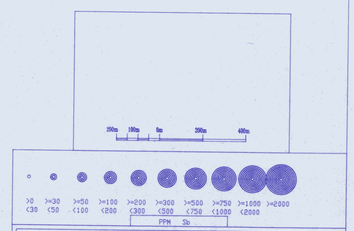

BREWERY CREEK

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BASELINE AZIMUTH : 66 Deg.

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SURVEY BY : GM NTS : 92P/28
FILE: C327BRE

NORANDA EXPLORATION

noranda
NORANDA EXPLORATION CO. LTD.

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21900N
21500N
21100N
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19900N
19500N
19100N
18700N
18300N
17900N
17500N
17100N
16700N
16300N

BREWERY CREEK

SOIL GEOCHEMICAL SURVEY
PPB Hg
PROJECT: BREWERY CREEK PROJECT # : 327
BASELINE AZIMUTH : 66 Deg.

SCALE = 1:10000 DATE : 6/27/88
SURVEY BY : GM NTS :
FILE: C327BRE
NORANDA EXPLORATION

D928 28

noranda
NORANDA EXPLORATION CO. LTD.

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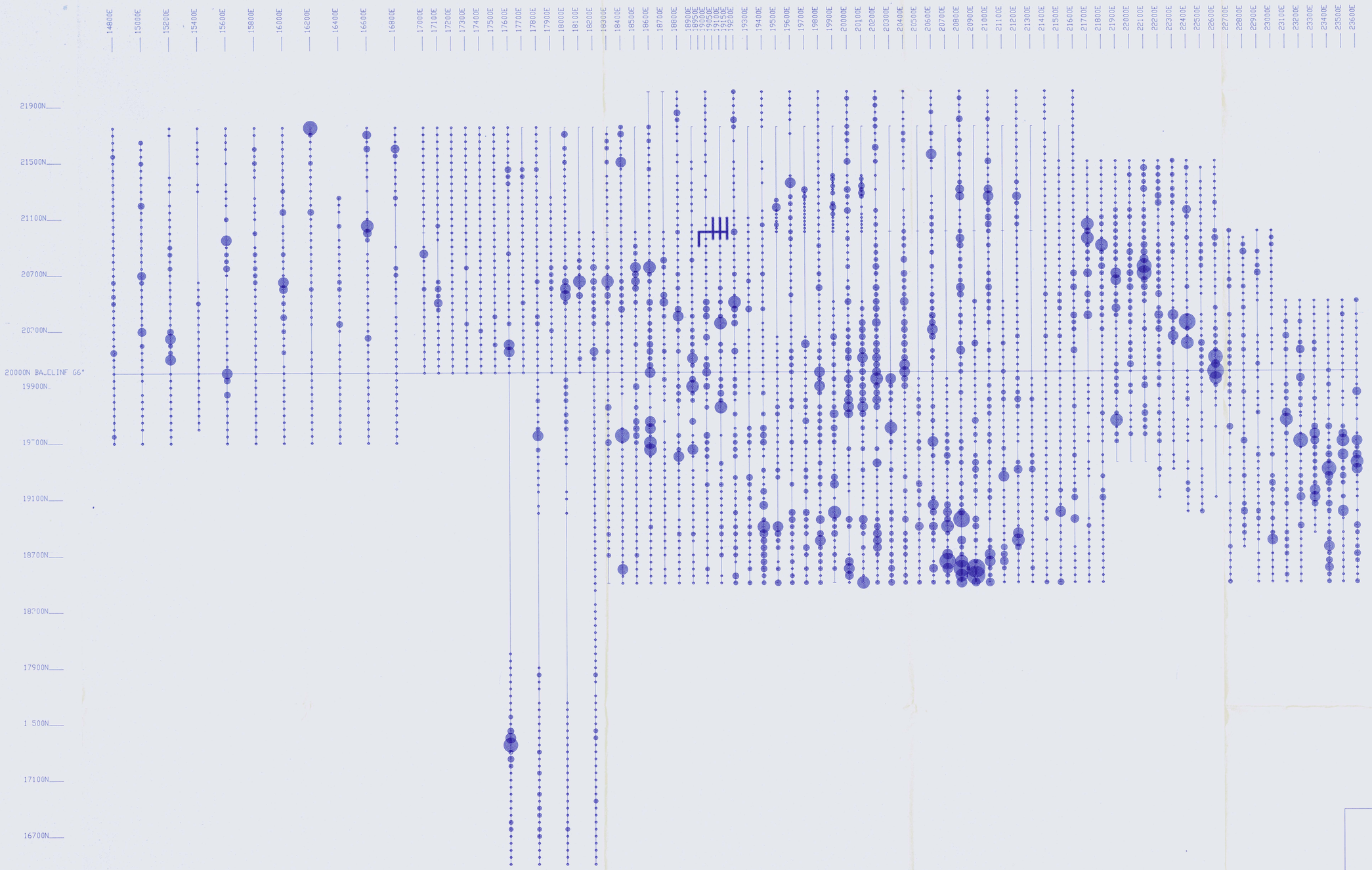

IDEALIZED GRID

BREWERY CREEK

SOIL GEOCHEMICAL SURVEY

PPM Ag

PROJECT: BREWERY CREEK PROJECT # : 327

BASELINE AZIMUTH : 66 Deg.

SCALE = 1:10000 DATE : 6/27/88

SURVEY BY : GM NTS :

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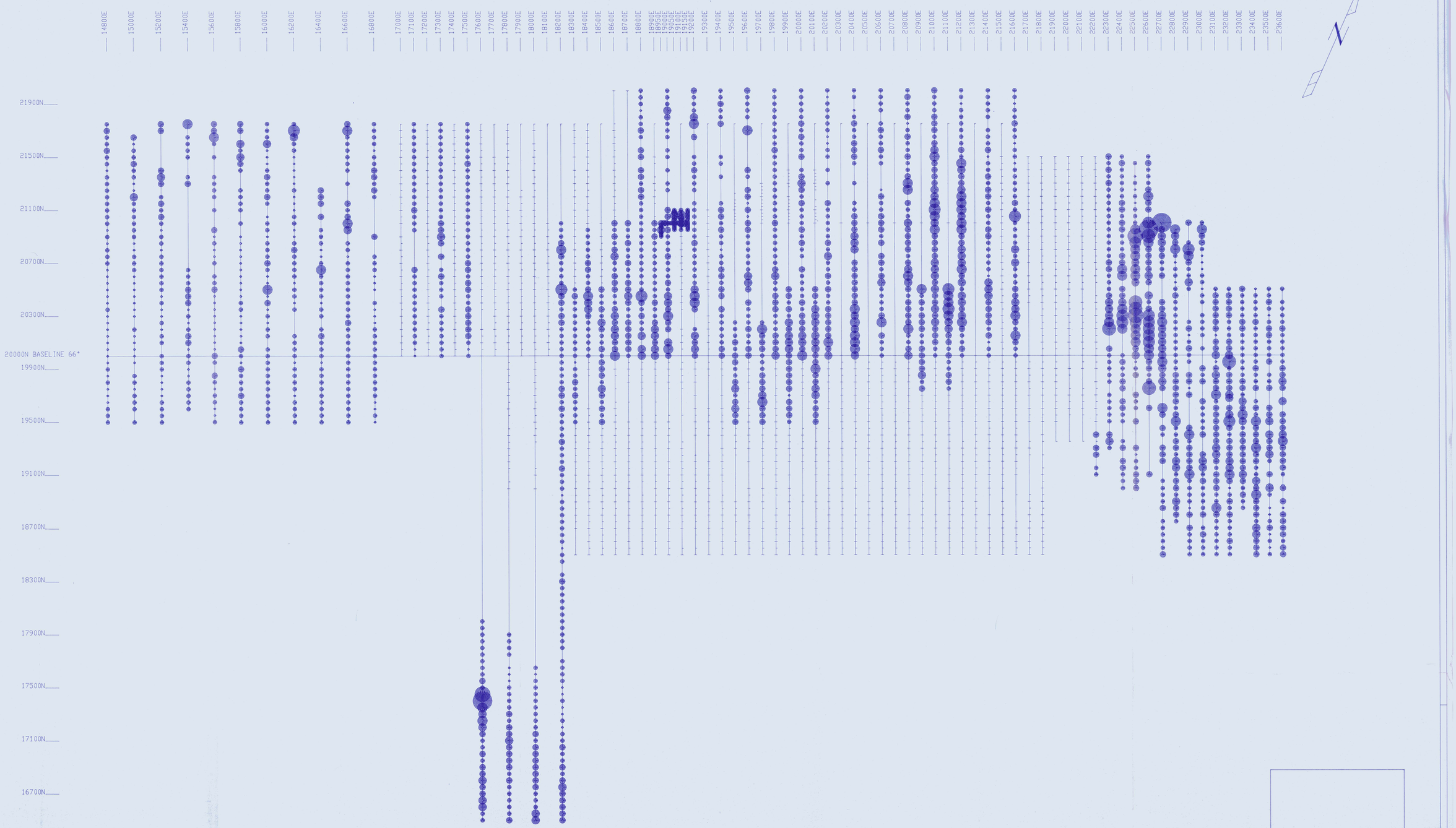
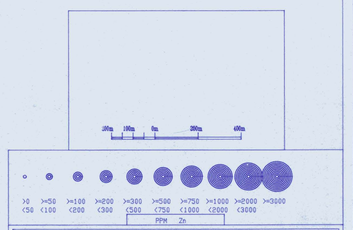
Zone: 5.02 Thu 18 Oct 1990 at 15:28 Centre of plot at 19200.0E/19850.0N Serial # C30146, Registered User : NORANDA EXPLORATION





BREWERY CREEK

SOIL GEOCHEMICAL SURVEY

PPM Zn

PROJECT: BREWERY CREEK PROJECT # : 327

BASELINE AZIMUTH : 66 Deg.

SCALE = 1:10000 DATE : 6/27/88

SURVEY BY : GM NTS :

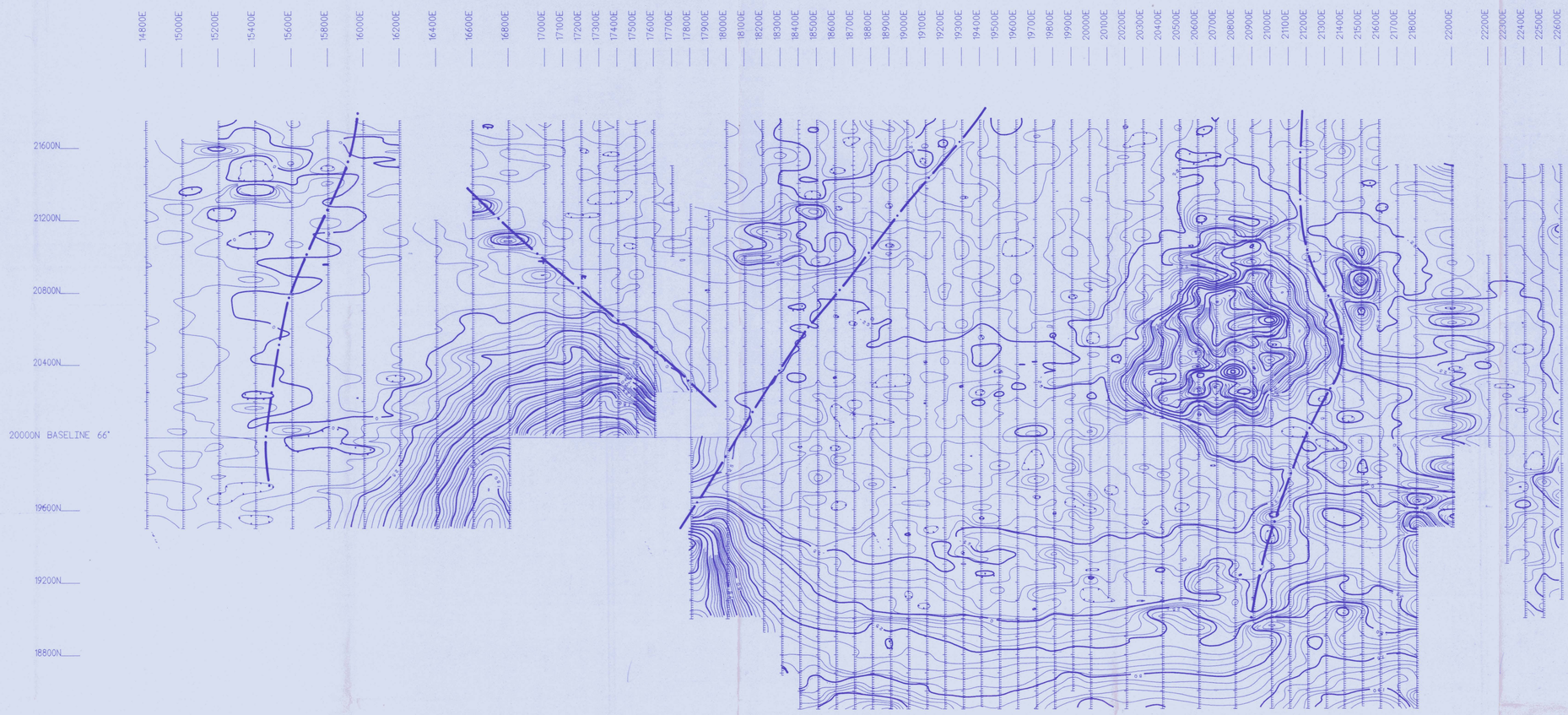
FILE: C327BRE

NORANDA EXPLORATION

092928

noranda
NORANDA EXPLORATION CO. LTD.

Wed 14 Nov 1990 at 10:21 Centre of plot at 19000.0E/19750.0N Serial # C90140. Registered User = NORANDA EXPLORATION



Instrument : OMNI 4
Field : TOTAL
Datum : 0.0 nT

Contour Interval : 5 nT

Magnetic Lineament :

Conductor Axis :

200m 100m 0m 200m 400m

BREWERY CREEK

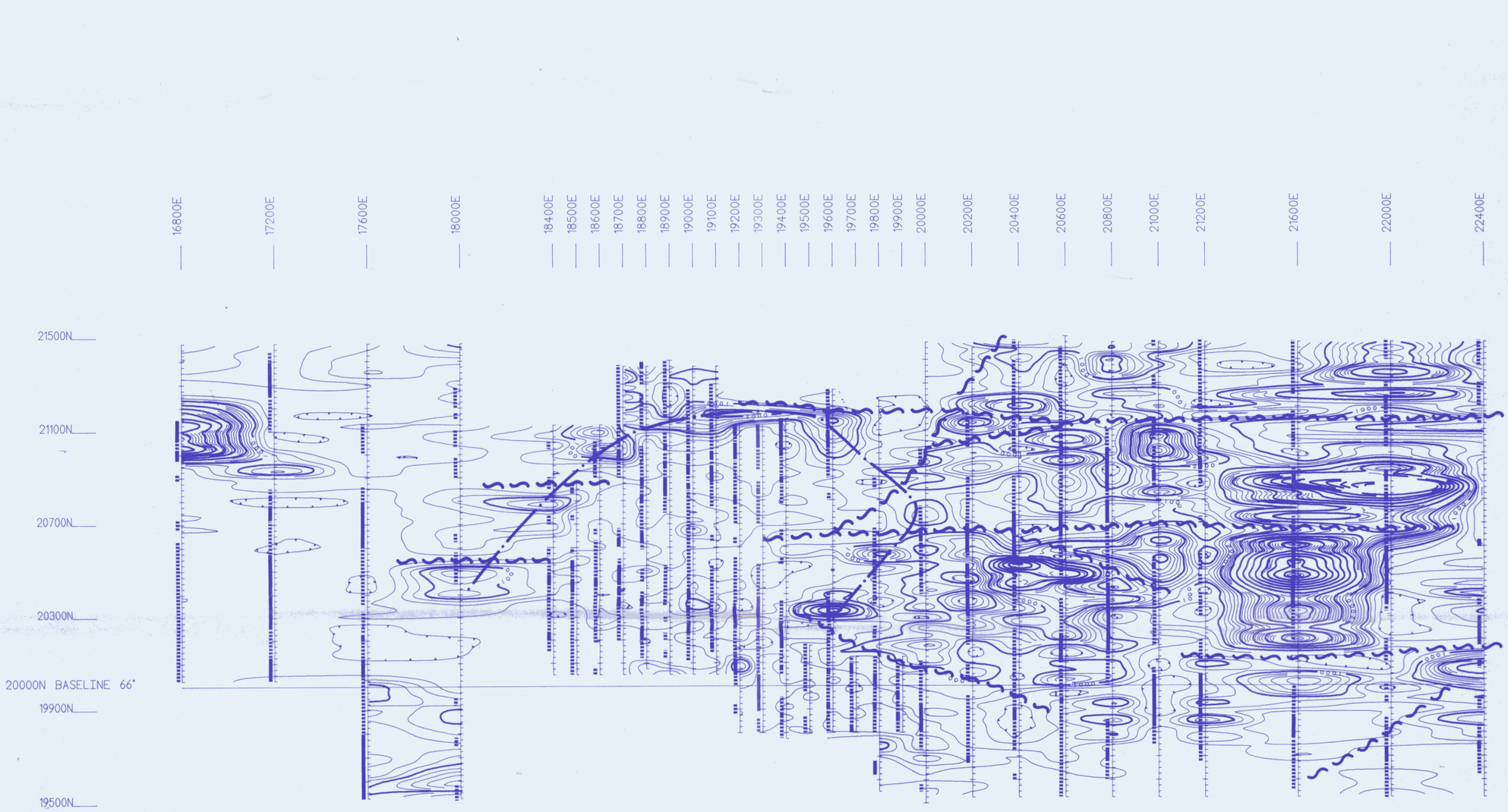
MAGNETOMETER SURVEY

PROJECT: BREWERY CREEK PROJECT # : 327
BASELINE AZIMUTH : 66 Deg.

SCALE = 1 :10000 DATE : 9/22/90
SURVEY BY : AMEROK NTS :
FILE: M32790
NORANDA EXPLORATION

092928

Work: 520 Tue 30 Nov 1990 at 1457 Centre of plot at 18700,16/20150,0N Serial # 680960 Registered User : NORANDA EXPLORATION



Resistivity "Ring"

Interpreted Resistivity Breaks

Instrument : IP6
Field : ohm-m.
Datum : 0.0 ohm-m.

Contour Interval : 200 ohm-m.
High I.P. Effect :
Moderate I.P. Effect :
Conductor Axis :

200m 100m 0m 200m 400m

BREWERY CREEK

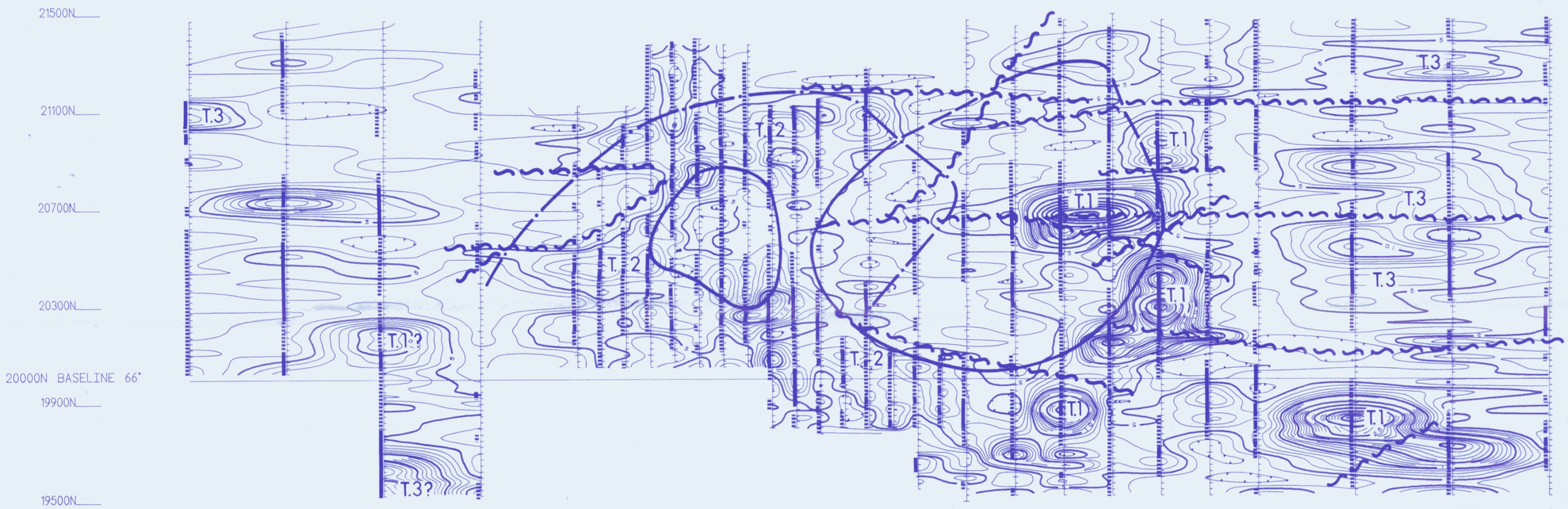
I.P. RESISTIVITY (n=2)

PROJECT: BREWERY CREEK PROJECT # : 327
BASELINE AZIMUTH : 66 Deg.

SCALE = 1 :10000 DATE : 11/19/90
SURVEY BY : AMEROK NTS :
FILE: Mn2ip
NORANDA EXPLORATION

092928

Vers. 5.02 Wed 7 Nov 1990 at 12:38 Centre of plot at 19600.0E/20500.0N Serial # M90140 Registered User : NORANDA EXPLORATION



Instrument : IP6
Field : mV/V
Datum : 0.0 mV/V

Contour Interval : 1 mV/V
High I.P. Effect :
Moderate I.P. Effect :
Conductor Axis :

200m 100m 0m 200m 400m

T.1 I.P. / Resistivity Signature Type

Chargeability "Ring"

Resistivity "Ring"

Interpreted Chargeability and Resistivity Breaks

BREWERY CREEK

I.P. CHARGEABILITY (n=2)

PROJECT: BREWERY CREEK PROJECT # : 327
BASELINE AZIMUTH : 66 Deg.

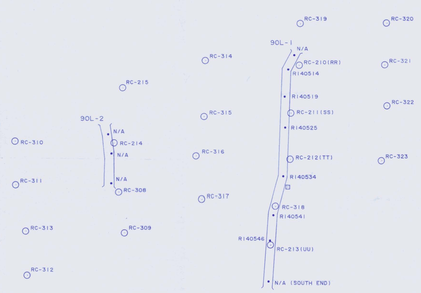
SCALE = 1 :10000 DATE : 11/19/90
SURVEY BY : AMEROK NTS :
FILE: Mn21p
NORANDA EXPLORATION

092c29
092928

Vers. 5.02 Wed 7 Nov 1990 at 13:38 Centre of plot at 19600.0E/20500.0N Serial # M90140 Registered User : NORANDA EXPLORATION

SL 22400E | SL 22500E | SL 22600E | SL 22700E | SL 22800E | SL 22900E | SL 23000E | SL 23100E | SL 23200E | SL 23300E

SL 20200N
SL 20100N
SL 20000N
SL 19900N
SL 19800N
SL 19700N
SL 19600N
SL 19500N



DRILL HOLE
TRENCH
SURVEY POINT (2" spike in ground with metal tag)

25 0 25 50 75 100 metres

REVISED

BREWERY CREEK

LUCKY ZONE
SURVEY PLAN MAP

092938

PROJ. No. : 321
N.T.S. : 116 B/1
DWG.No. :

SURVEY BY : .....
DATE : NOVEMBER 1990
DRAWN BY : HANDESON
SCALE : 1:1000

NORANDA EXPLORATION

OFFICE : WHITEHORSE

SL 21400E
SL 21500E
SL 21600E
SL 21700E
SL 21800E
SL 21900E
SL 22000E
SL 22100E
SL 22200E
SL 22300E
SL 22400E
SL 22500E

SL 20300N
SL 20200N
SL 20100N
SL 20000N
SL 19900N
SL 19800N
SL 19700N
SL 19600N
SL 19500N
SL 19400N

SBM 93
G-7
SBM 99
136726
136730
136742
136751
136763
136784
SBM 97
SBM 61
SBM 62
SBM 82
G-3
SBM 83
136902
136910
RC-77
RC-78
RC-154
RC-155
RC-79/PQ-3
136936
RC-156
RC-80
136944
RC-81
RC-157
136951
RC-82
SBM 85
136960
RC-83/PQ-2
RC-158
RC-159
136968
RC-84
136974
RC-160
RC-290
RC-291
RC-292
RC-293
RC-294
RC-295
RC-296
RC-297
SBM 87
SBM 86
SBM 84
G-1
RC-69
5780
RC-70
RC-71
RC-72
5807
5811
RC-161
5819
SBM 88
RC-73
RC-74
RC-75
DDH-21
RC-76
5849
RC-146
5861
5858
RC-147
5869
RC-162
RC-163
RC-164
RC-148
RC-149
RC-150
RC-151
RC-152
RC-153
SBM 98
G-2
5876
5879
SBM 89
5888
RC-298
RC-299
5902
5906
RC-300
RC-301
RC-302
RC-303
RC-304
RC-305
RC-306
RC-307
G-9
RC-165
RC-166
RC-167
G-14
RC-168
RC-169
G-8
136827
136822
RC-144
136809
SBM 101
RC-143
136801
RC-145
G-10
RC-173
G-10 BULK
137109
RC-172
137103
RC-171
RC-170
G-12
137270
137265
137258
G-13
RC-282
136474
RC-283
135467
RC-284
SBM 90
136462
RC-285
136456
RC-286
RC-180
G-4
137037
RC-161
136681
SBM 91
RC-179
136690
136700
136706
136715
RC-288
RC-287
RC-289
G-5
136626
SBM 104
SBM 103
136639
136651
136661
SBM 92
SBM 105
G-6

DRILL HOLE
TRENCH
SURVEY POINT 82" spike in ground with metal tag

25 0 25 50 75 100 metres

REVISED

BREWERY CREEK

GOLDEN ZONE
SURVEY PLAN MAP

092928

PROJ. No. : 327
N.T.S. : 116 B/1
DWG. No.

SURVEY BY : R.D., D.A.P. DATE : NOVEMBER 1990
DRAWN BY : HANDCRON SCALE : 1:1000

NORANDA EXPLORATION

OFFICE : WHITEHORSE

SL 20300N
SL 20200N
SL 20100N
SL 20000N
SL 19900N
SL 19800N
SL 19700N
SL 19600N

SL 2050OE
SL 2060OE
SL 2070OE
SL 2080OE
SL 2090OE
SL 2100OE
SL 2110OE
SL 2120OE
SL 2130OE
SL 2140OE
SL 2150OE

DDH-14

RC-12
RC-53
RC-58
K-9
13700
RC-54
19
K-6
RC-57
DDH-19/
DDH-20
13701/0
RC-55
RC-59
K-4
K-10
RC-128
RC-63
RC-125
RC-259
RC-64
RC-129
RC-124
RC-256
RC-260
RC-266
RC-65
RC-121
RC-257
RC-261
8213
RC-130
8729
6731
RC-66
5926
RC-262
8224
RC-131
RC-67
RC-122
RC-258
6740
RC-13
RC-265
RC-68
6745
RC-123
RC-255
RC-263
8226/5933
RC-133
178
RC-127
RC-264
190
RC-126
3954
SBM 4
RC-11
SBM 5
K-1
18157
18167
18170
RC-118
RC-119
RC-120
RC-10
18202
18203
18209
54524
54529
RC-9
18227
18236
18255
18262
48252
48305
48316
48320
48327
48334

K-5
1378
RC-50
1381
RC-62
RC-51
R1390
1390
RC-61/PG-1
DDH-18
1398
RC-52
RC-60
R1407
K-11
R136550
R136574
SBM 7
R136575
K-12
RC-134
RC-135
RC-136
RC-137
R136594
K-7
RC-269
5745
RC-138
RC-270
RC-139
RC-271
RC-272
RC-273
SBM 6
K-ROAD

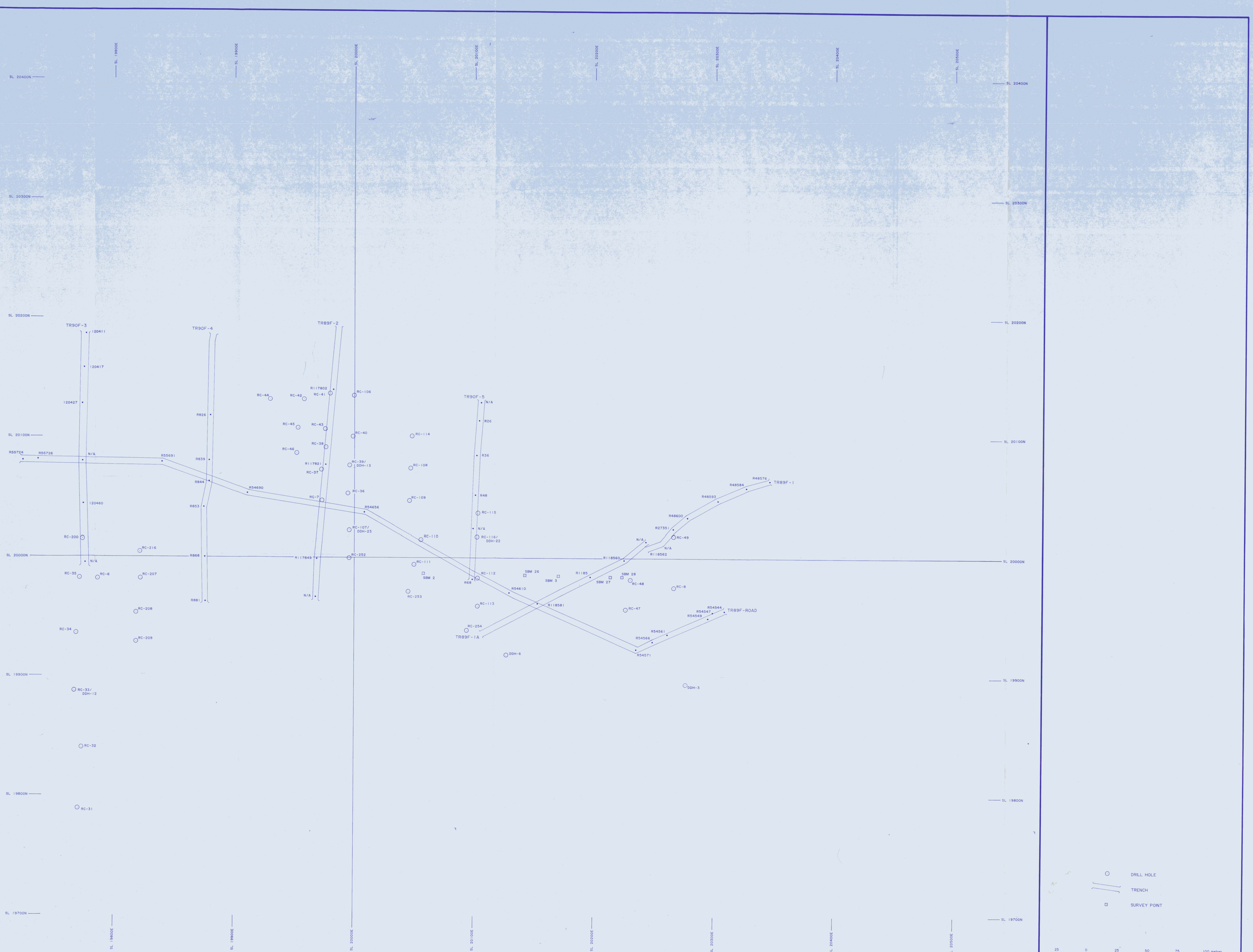
K-8
5607
RC-267
5623
RC-140
5631
RC-141
RC-142
5650
RC-268
RC-274
RC-275
5682
RC-276
5691
RC-277
5701
RC-278
RC-279
RC-280
RC-281

064-

DRILL HOLE
TRENCH
SURVEY POINT (12" spike in ground with metal tag)

25 0 25 50 75 100 metres

REVISED	BREWERY CREEK
	KOKANEE ZONE SURVEY PLAN MAP 092929
PROJ. No. 327	SURVEY BY : DATE : NOVEMBER 1990
N.T.S. 116 K/1	DRAWN BY : HANDSIGN SCALE : 1:1000
DWG. No. :	NORANDA EXPLORATION
	OFFICE : WHITEHORSE



REVISED

BREWERY CREEK

FOSTER ZONE
SURVEY PLAN MAP

092978

PROJ. No. : 327
N.T.S. : 116 B/1
DWG. No. :

SURVEY BY : DATE : NOVEMBER 1990
DRAWN BY : HANDESIGN SCALE : 1:1000

NORANDA EXPLORATION
OFFICE : WHITEHORSE

SL 19300E | SL 19400E | SL 19500E | SL 19600E | SL 19700E | SL 19800E | SL 19900E

SL 20400N
SL 20300N
SL 20200N
SL 20100N
SL 20000N
SL 19900N
SL 19800N
SL 19700N

TR89C-1
N/A
R118391
R118401
R118423
R118440
R118451
R118469
R118489
R2316
R2363

TR89C-2
N/A
R119530
R119565
R119573
R119587
N/A

TR89C-ROAD
R55821
R55798
R55785
R55763
R55745
R55747

TR90C-3
TRENCH C3-BULK
R2254
R2264
R2271
R2273
R2277
R2287

TR90C-4
2376
2386
2402
2409
2426
2449
120384
120391
120409

TR89F-ROAD
R55726
N/A
R55724
R55691

TR90F-3
120411
120417
120427
120460
N/A

TR90F-4
R826
R839
R844
R853
R868
R881

RC-15
RC-102
RC-16
RC-13
RC-101
RC-17/ DDH-10
RC-100
RC-18
RC-99
RC-98
RC-20
DDH-9
RC-249
RC-182
RC-183
RC-103
RC-30
RC-29
RC-5
RC-184
DDH-8
RC-28
DDH-4
RC-185
RC-27
RC-19
RC-186
RC-26
RC-187
RC-25/ DDH-11
RC-188
RC-24
RC-189
RC-23
DDH-7
RC-190
RC-22
RC-191
RC-21
RC-192
RC-104/ PQ-4
RC-193
RC-105/ DDH-24
DDH-25
RC-250
RC-195
RC-196
RC-197
RC-198
RC-199
RC-200
RC-201
RC-202
RC-203
RC-204
RC-205
RC-206
RC-216
RC-207
RC-208
RC-209
RC-34
RC-35
RC-6
RC-33/ DDH-12
RC-32
RC-31
DDH-5
RC-97
RC-91
RC-92
RC-93
RC-94
RC-95
RC-96

DRILL HOLE
TRENCH
SURVEY POINT (12" spike in ground with metal tag)

25 0 25 50 75 100 metres

REVISED

BREWERY CREEK

CANADIAN ZONE
SURVEY PLAN MAP

092920

PROJ. No. : 327
N.T.S. : 116 B/1
DWG. No. :

SURVEY BY : DATE : NOVEMBER 1990
DRAWN BY : HANDESIGN SCALE : 1 : 1000

NORANDA EXPLORATION

OFFICE : WHITEHORSE

SL 1830OE
SL 1840OE
SL 1850OE
SL 1860OE
SL 1870OE
SL 1880OE
SL 1890OE
SL 1900OE
SL 1910OE

SL 20700N
SL 20600N
SL 20500N
SL 20400N
SL 20300N
SL 20200N
SL 20100N
SL 20000N
SL 19900N

89M-8
90B-4
90B-2
90B-3
90B-1

RC-237
140356
RC-238
RC-240
RC-245
140365
RC-239
RC-241
RC-244
RC-243
RC-242
RC-246
140305
140320
RC-14
140335
124326
124345
RC-251
RC-247
RC-248
124370

DRILL HOLE
TRENCH
SURVEY POINT (12" spike in ground with metal tag)

25 0 25 50 75 100 metres

REVISED

BREWERY CREEK

BLUE ZONE
SURVEY PLAN MAP

092928

PROJ. No. :
N.T.S. : 116 B/1
DWG. No. :

SURVEY BY : N.H. & D.A.K. DATE : NOVEMBER 1990
DRAWN BY : HANDESIGN SCALE : 1 : 1000

NORANDA EXPLORATION
OFFICE : WHITEHORSE

SL 18400E SL 18600E SL 18800E SL 19000E SL 19200E SL 19400E SL 19600E SL 19800E SL 20000E SL 20200E SL 20400E SL 20600E

SL 21000N
SL 20900N
SL 20800N
SL 20700N
SL 20600N
SL 20500N
SL 20400N
SL 20300N
SL 20200N
SL 20100N

89M-9
89M-6
89M-5
89M-4
89M-3
89M-2
89M-1-E
89M-1
89M-7
89M-8
DDH-1
DDH-2
RC-1/ RC-217
RC-2
RC-3
RC-4
RC-90/ RC-218
RC-89/ RC-220
RC-88/ RC-224
RC-87/ RC-225
RC-86/ RC-232/ PQ-5
RC-85/ RC-233
RC-219
RC-221
RC-222
RC-223
RC-226
RC-227
RC-228
RC-229
RC-230
RC-231
RC-234
RC-235
RC-236
RC-245
41273

DRILL HOLE
TRENCH
SURVEY POINT (12" spike in ground with metal tag)

25 0 25 50 75 100 metres

REVISED

BREWERY CREEK

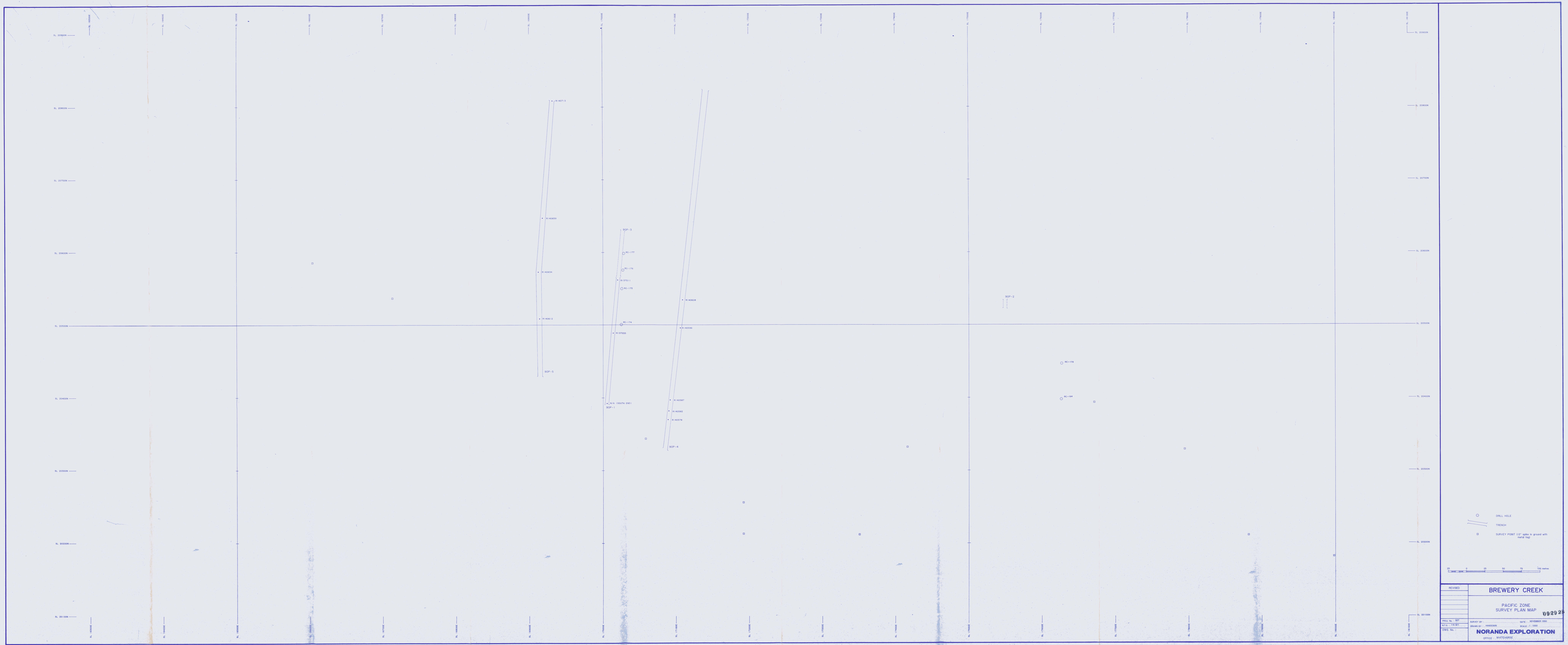
MOOSEHEAD ZONE
SURVEY PLAN MAP

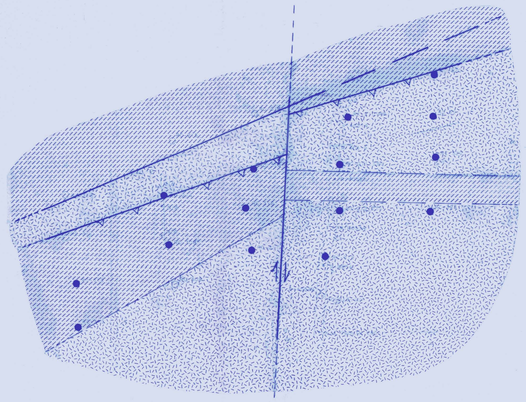
092928

PROJ. No. 327
N.T.S. 116 B/1
DWG. No.

SURVEY BY : N.H. & D.M. DATE : NOVEMBER 1990
DRAWN BY : HANDSON SCALE : 1:1000

NORANDA EXPLORATION
OFFICE : WHITEHORSE


SOP-3
SOP-2
SOP-5
SOP-1
SOP-4
DRILL HOLE
TRENCH
SURVEY POINT (13" spike in ground with metal tag)
BREWERY CREEK
PACIFIC ZONE
SURVEY PLAN MAP
092/29
NORANDA EXPLORATION



SEDIMENTS

INTRUSIVE

CONTACT

FAULT

THRUST FAULT

DRILL HOLE

TRENCH

SURVEY POINT #2" spike in ground with metal tag

DRILL HOLE INTERSECTION ≥ 1.53 g/t Au 6m

0 25 50 75 100 metres

REVISED
90-12-06 DAK

BREWERY CREEK

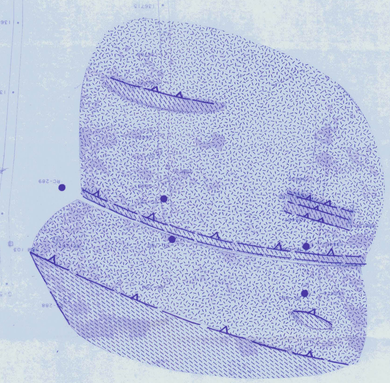
LUCKY ZONE
SURVEY PLAN MAP
GEOLOGY

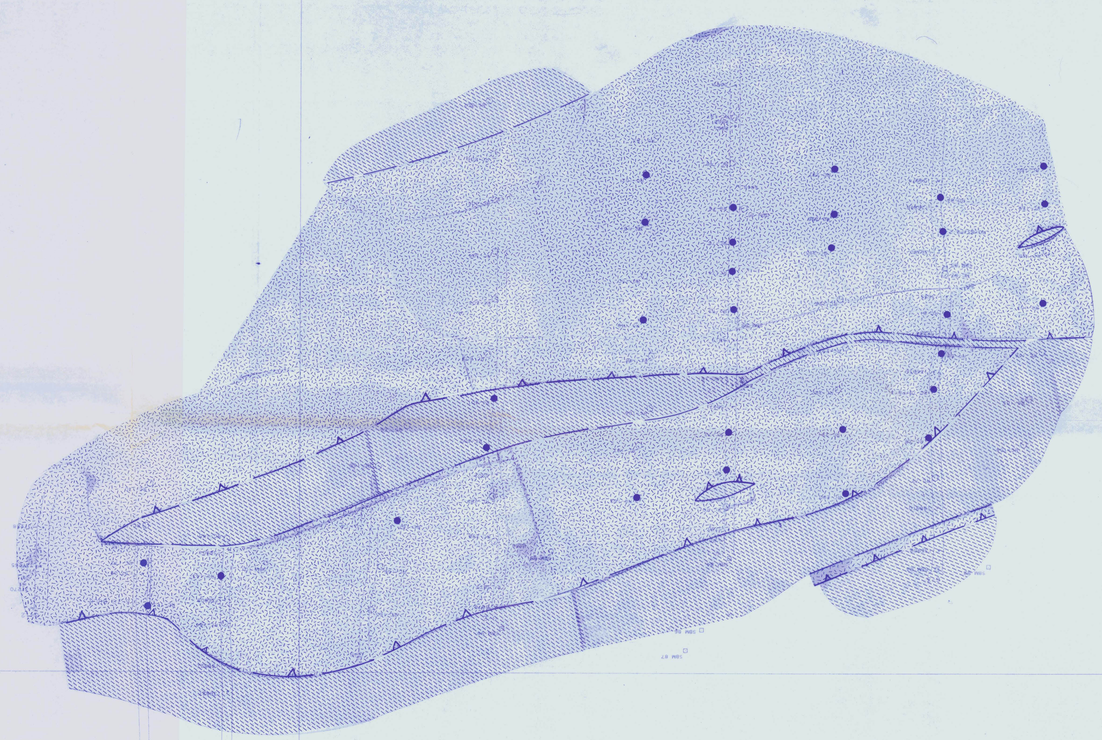
092928

PROJ. No. 101
N.T.S. 116 B/1
DWG No.

SURVEY BY
DRAWN BY HANDERSON
DATE NOVEMBER 1990
SCALE 1:1000

NORANDA EXPLORATION
OFFICE WHITEHORSE





NORANDA EXPLORATION

BREWERY CREEK

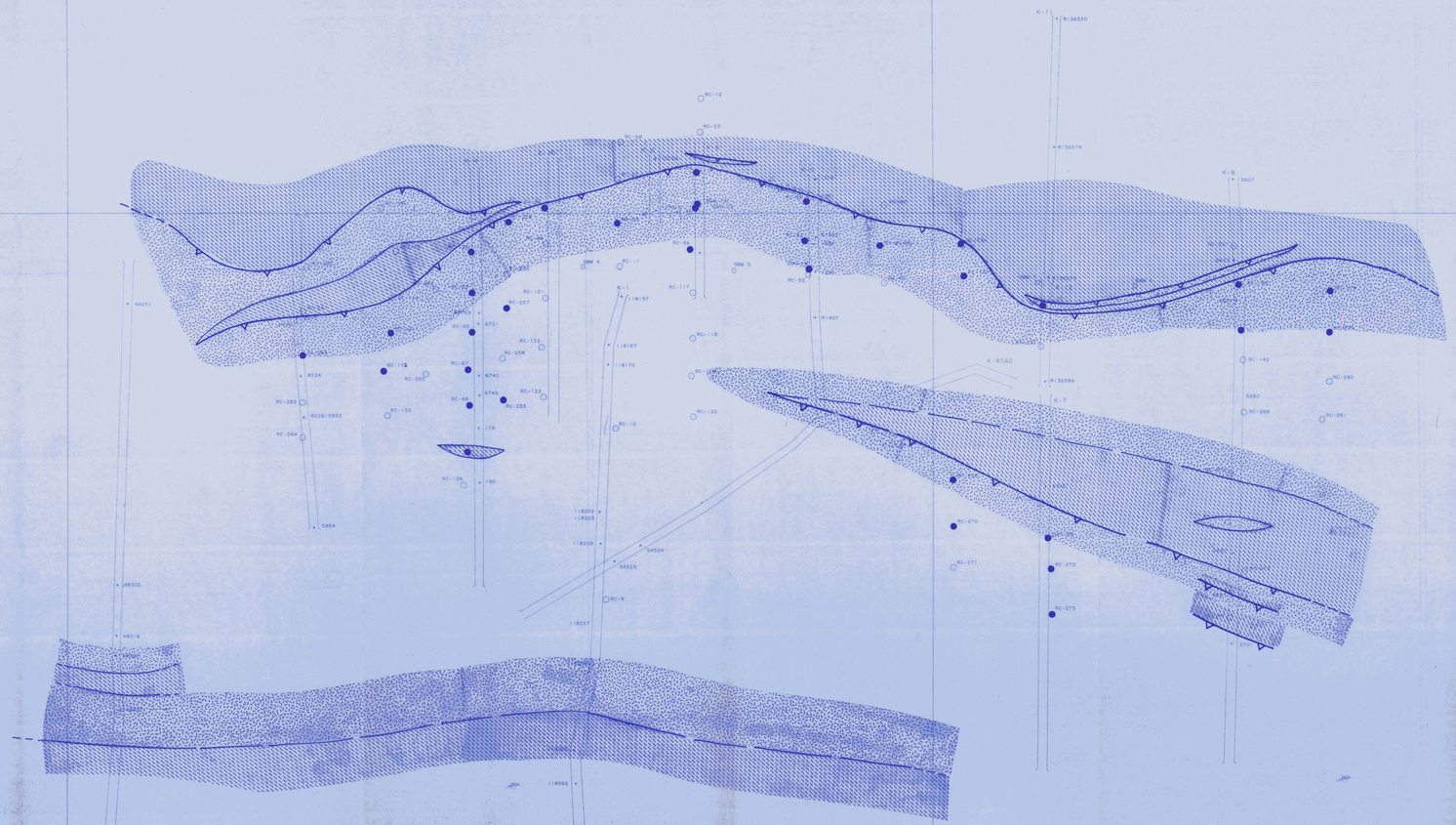
90-12-13 DAK

GOLDEN ZONE
SURVEY PLAN MAP
GEOLOGY

SCALE 1:2,500
DATE NOVEMBER 1990

SEDIMENTS
INTRUSIVE
CONTACT
THRUST FAULT
DRILL HOLE
TRENCH
SURVEY POINT (DF - base in ground with metal top)
DRILL HOLE INTERSECTION 3.1% / 6 m

092923



SEDIMENTS

INTRUSIVE

CONTACT

THRUST FAULT

DRILL HOLE

TRENCH

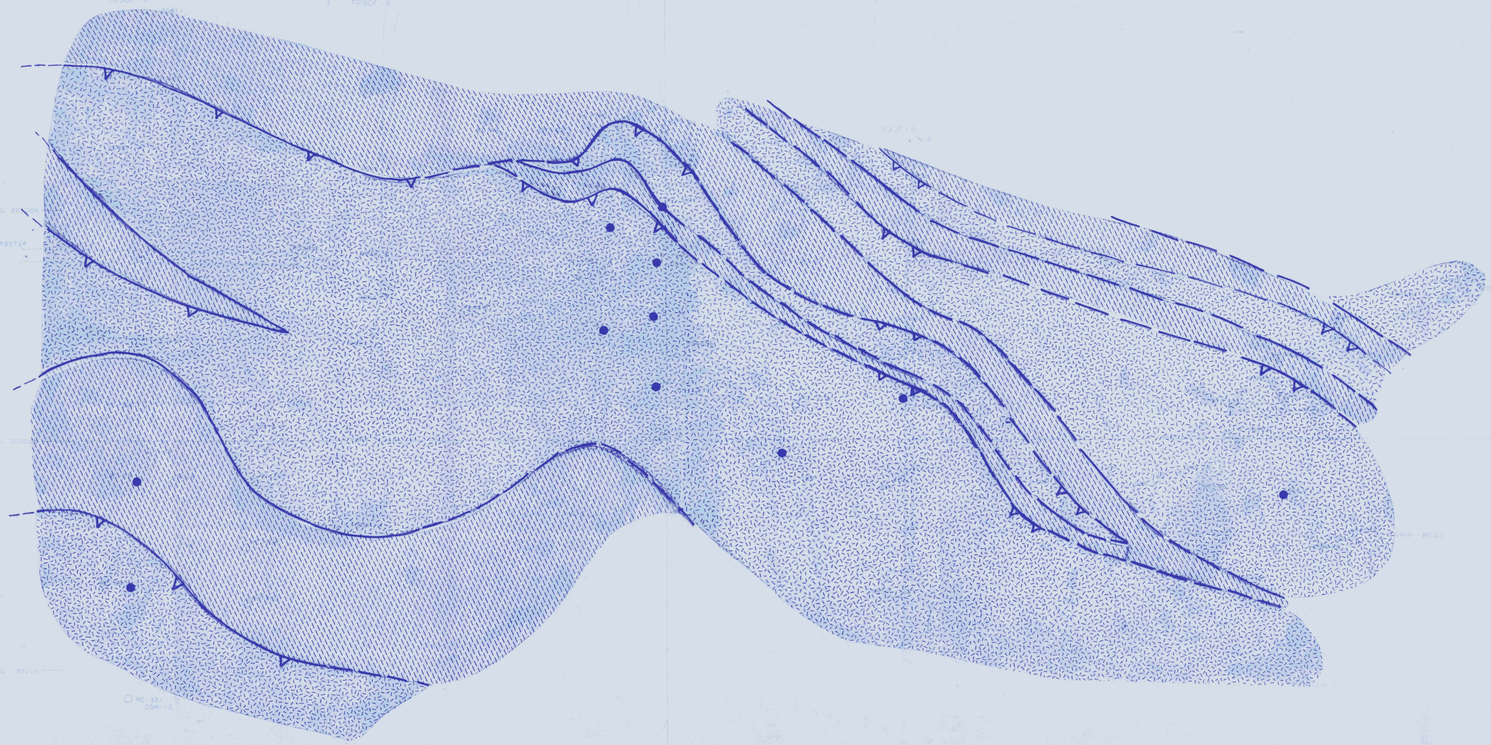
SURVEY POINT (12" spike in ground with metal tag)

DRILL HOLE INTERSECTION ≥ 1.5% / 6m

25 0 25 50 75 100 metres

REVISED	BREWERY CREEK
90-12-06 DAK	KOKANEE ZONE SURVEY PLAN MAP GEOLOGY
PROJ. No. 327	SURVEY BY: DATE: NOVEMBER 1990
M.T.S. 105 B/1	DRAWN BY: HANDESON SCALE: 1:1000
DWG. No.	NORANDA EXPLORATION OFFICE: WHITEHORSE

092928



SEDIMENTS

INTRUSIVE

CONTACT

THRUST FAULT

DRILL HOLE

TRENCH

SURVEY POINT

DRILL HOLE INTERSECTION ≥ 1.5 g/t / 6m

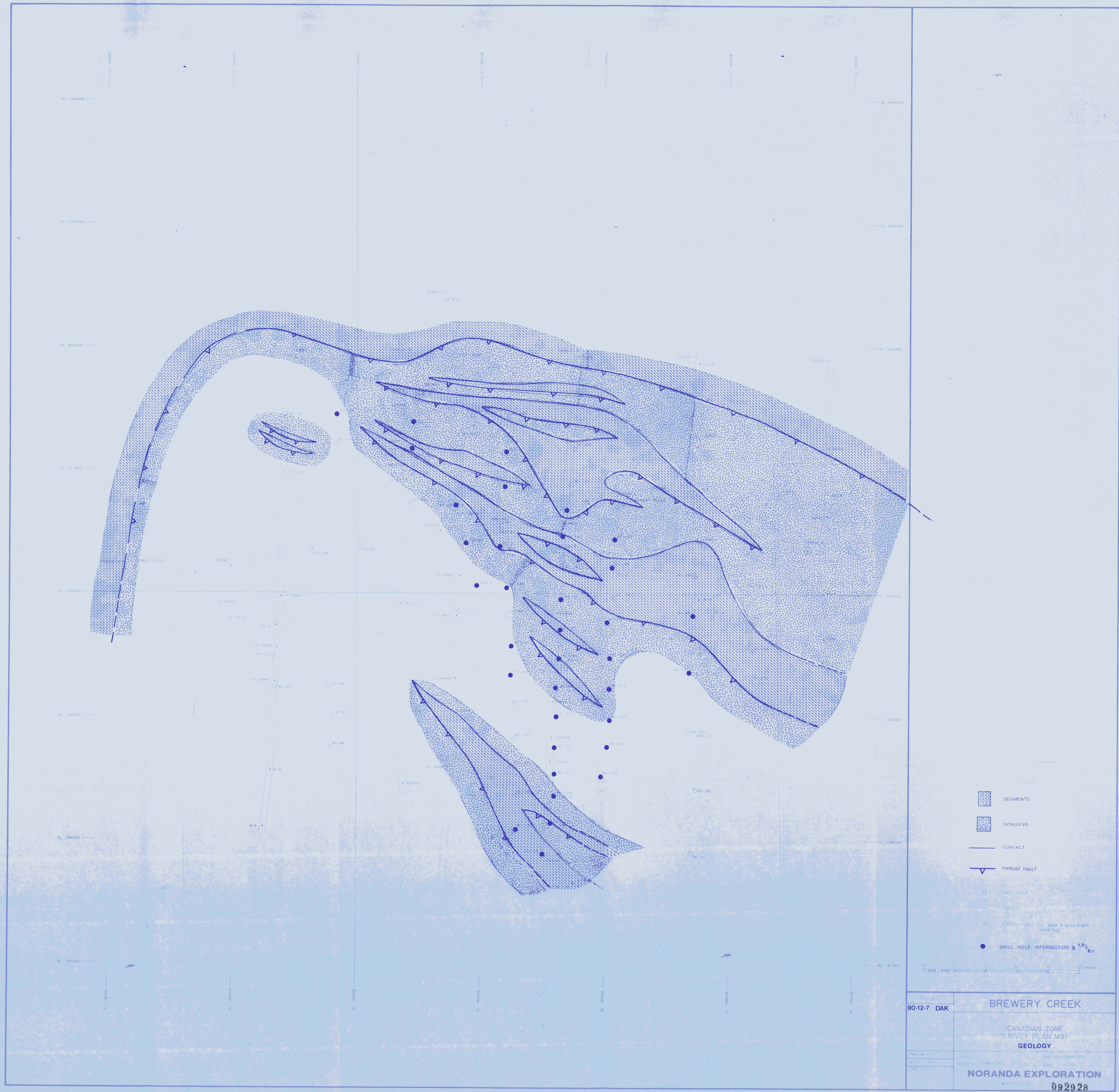
90-12-11 DAK

BREWERY CREEK

FOSTER ZONE
SURVEY PLAN MAP
GEOLOGY

092928

NORANDA EXPLORATION


SL 19300E
SL 19400E
SL 19500E
SL 19600E
SL 19700E
SL 19800E
SL 19900E
SL 20400N
SL 20300N
SL 20200N
SL 20100N
SL 20000N
SL 19900N
SL 19800N
SL 19700N
TR89C-1
N/A
TR90F-3
120411
TR90F-4
RC-13
RC-10
R119530
R89C-ROAD
R55821
R55798
R55785
R55763
R119565
DDH-5
RC-97
RC-91
R119573
RC-92
R119587
RC-93
RC-94
RC-95
RC-96
N/A
N/A
R118440
DDH-4
R2316
RC-19
R118451
RC-188
R118469
RC-189
RC-23
RC-190
120384
RC-22
120391
RC-21
R2363
RC-202
RC-203
RC-204
RC-205
RC-34
RC-33/
DDH-12
RC-32
RC-31
SEDIMENTS
INTRUSIVE
CONTACT
THRUST FAULT
DRILL HOLE INTERSECTION ≥ 1.5g/6m
25 0 25 50 75 100 metres
REVISED
90·12·7 DAK
BREWERY CREEK
CANADIAN ZONE
SURVEY PLAN MAP
GEOLOGY
NORANDA EXPLORATION
092928

L 18400E | L 18500E | L 18600E | L 18700E | L 18800E | L 18900E | L 19000E | L 19100E

SL 20700N

SL 20600N

SL 20500N

SL 20400N

SL 20300N

SL 20200N

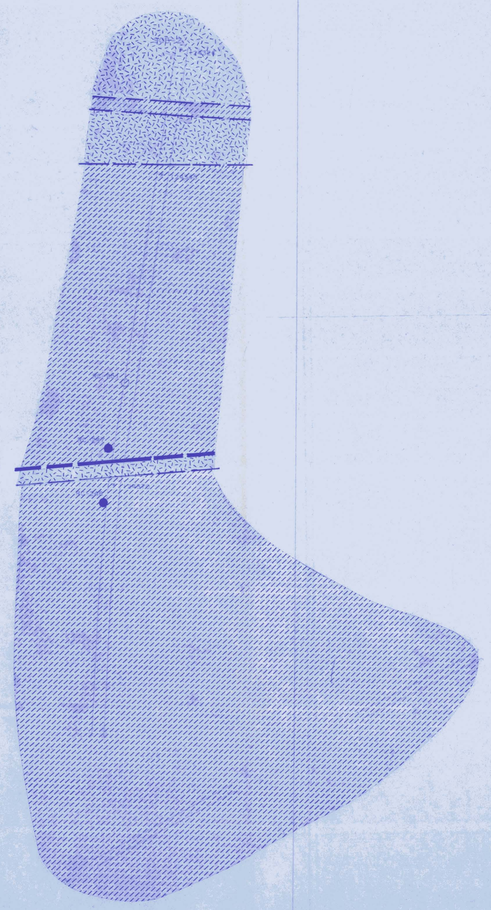
SL 20100N

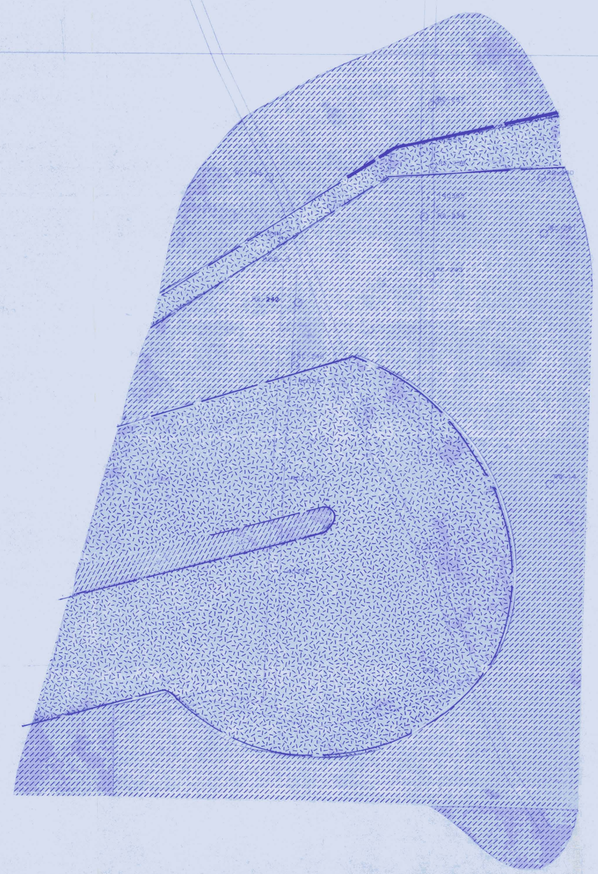
SL 20000N

SL 19900N

89M-8

90B-4





SEDIMENTS

INTRUSIVE

FAULT

CONTACT

DRILL HOLE

TRENCH

SURVEY POINT (12" spike in ground with metal tag)

DRILL HOLE INTERSECTION ≥ 1.5 g/t / 6m

25 0 25 50 75 100 metres

REVISED
90-12-13 DAK
PROJ. No.
N.T.S. 116 B/1
DWG. No.

BREWERY CREEK

BLUE ZONE
SURVEY PLAN MAP
GEOLOGY

092928

SURVEY BY : NR & DAK — DATE : NOVEMBER 1990
DRAWN BY : HANDYSIDE — SCALE : 1/1000

NORANDA EXPLORATION

OFFICE : WHITEHORSE

VOLCANICS

INTRUSIVE

SEDIMENTS

CONTACT

FAULT

THRUST FAULT

DRILL HOLE

TRENCH

SURVEY POINT (22" spike in ground with metal tag)

DRILL HOLE INTERSECTION $\frac{1.5 g/t}{6m}$

25 0 25 50 75 100 meters

90-12-11 DAK

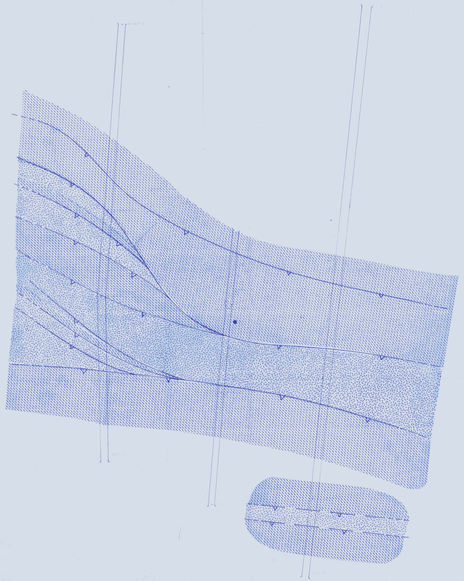
BREWERY CREEK

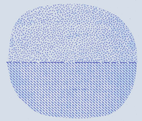
MOOSEHEAD ZONE
SURVEY GRID MAP

GEOLOGY

092928

NORANDA EXPLORATION





INTRUSIVE

SEDIMENTS

FAULT

THRUST FAULT

DRILL HOLE

SURFACE TRACE OF ORE ZONE

DRILL HOLE INTERSECTION OF ORE ZONE

DEC. 6/90 DAK	BREWERY CREEK PACIFIC ZONE SURVEY PLAN MAP GEOLOGY	
	NORANDA EXPLORATION	

82225

19750N | 19800N | 19850N | 19900N | 19950N

900ELEV

850ELEV

800ELEV

BCRC90-323(2.1W)

CASI
1750.
5010.
3680.
960.
3790.
300.
INT 210.
0.
250.
130.
63.
110.
57.
31.
580.
520.
350.
840.
110.
13.
5460.
310.
92.
QFP 66.
63.
12.
13.
39.
9.
22.
9.
13.
1560.
3470.
840.
110.
ARG 45.

EOH BCRC90-323(76.0, 2.1W)

BCRC90-322(0.5E)

CASI
46.
14.
1170.
52.
15.
16.
QFP 2940.
980.
68.
28.
24.
25.
F■IN 62.
220.
810.
310.
3550.
QFP 3800.
290.
310.
30.
47.
SEDS 34.
18.
410.
2680.
2300.
QFP 980.
590.
210.
65.
ARG 210.
18.
9.
9.
7.

EOH BCRC90-322(74.0, 0.5E)

BCRC90-321(0.5W)

CASI
142.
34.
500.
520.
1380.
350.
20.
18.
910.
420.
2130.
1560.
6300.
1460.
280.
42.
23.
103.
210.
51.
21.
13.
18.
10.
1010.
18.
7.
7.
9.
4.

EOH BCRC90-321(62.0, 0.5W)

BCRC90-320(0.4E)

CASI
12390.
INT 10410.
4320.
1520.
ARG 3590.
4390.
INT 2510.
6030.
ARG 1700.
1090.
INT 320.
160.
SEDS 34.
39.
26.
ARG 15.
5.
9.
QFP 10.
74.
ARG 5.
QFP 7.
4.
ARG 8.
6.

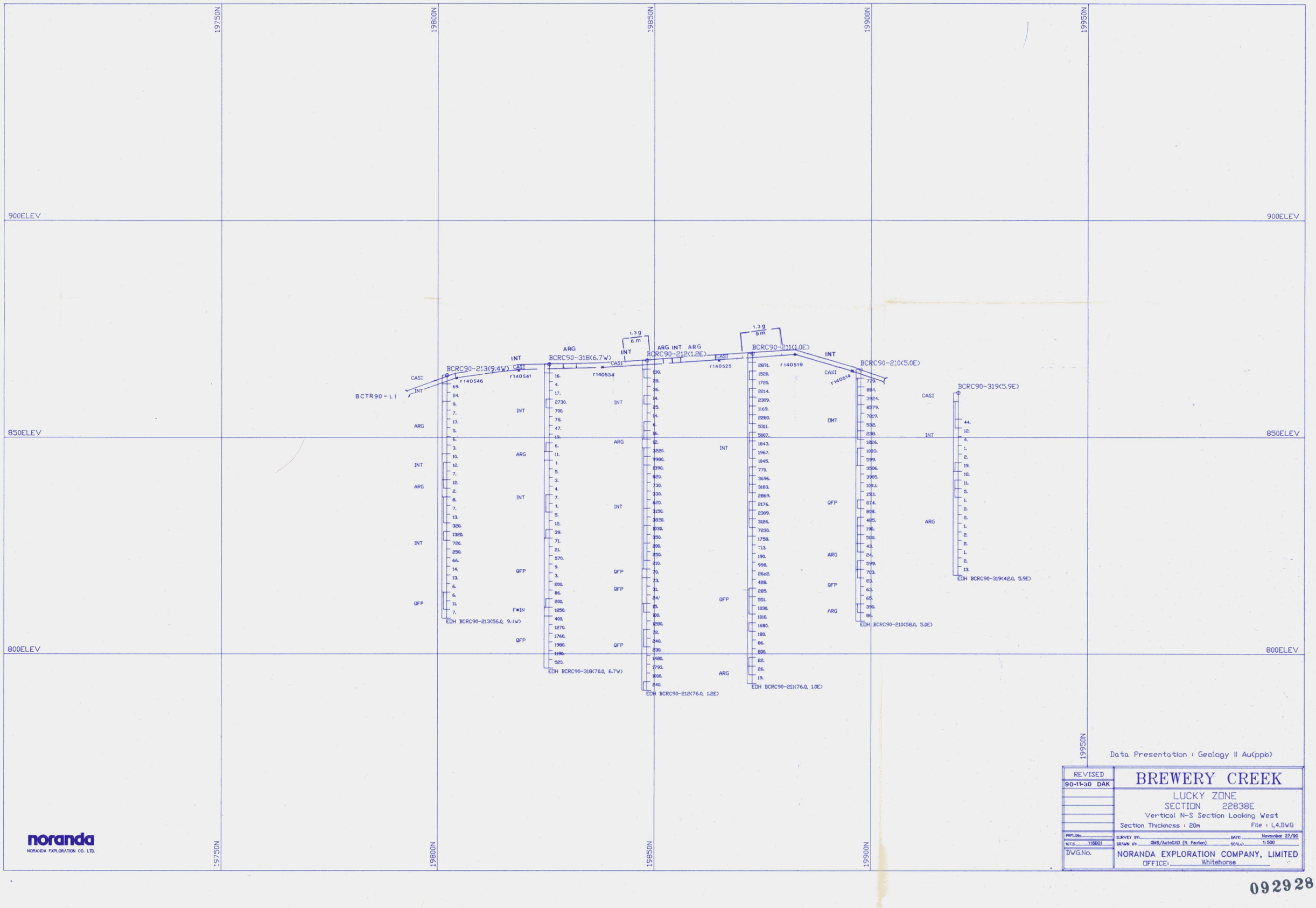
EOH BCRC90-320(52.0, 0.4E)

Data Presentation : Geology ‖ Au(ppb)

REVISED	BREWERY CREEK
	LUCKY ZONE
	SECTION 22889E
	Vertical N-S Section Looking West
	Section Thickness : 20m — File : LS.DWG
PROJ.No.	SURVEY BY: — DATE: November 22/90
N.T.S. 116B01	DRAWN BY: GMS/AutoCAD (R. Fenton) — SCALE: 1:500
DWG.No.	NORANDA EXPLORATION COMPANY, LIMITED
	OFFICE: Whitehorse

noranda
NORANDA EXPLORATION CO. LTD.

092928



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NORANDA EXPLORATION CO. LTD.

REVISED
90-11-30 DAK

BREWERY CREEK

LUCKY ZONE
SECTION 22838E
Vertical N-S Section Looking West
Section Thickness : 20m File : L4.DWG

PROJ.No. ____ SURVEY BY. ____ DATE: November 22/90
N.T.S. 116B01 DRAWN BY: GMS/AutoCAD (R. Fenton) SCALE: 1:500
DWG.No. ____

NORANDA EXPLORATION COMPANY, LIMITED
OFFICE: Whitehorse

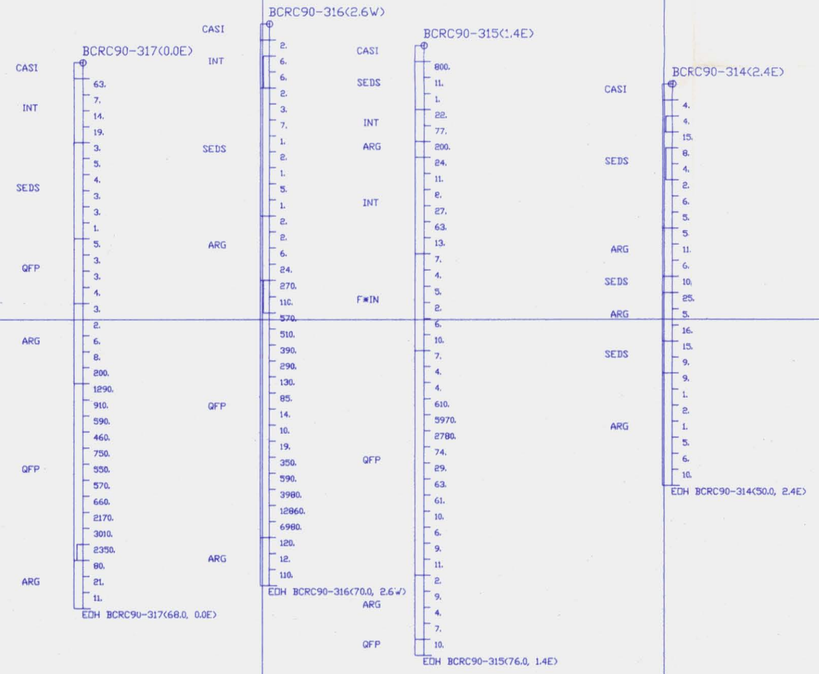
092928

19750N | 19800N | 19850N | 19900N | 19950N

900ELEV

850ELEV

800ELEV



Data Presentation : Geology ll Au(ppb)

REVISED	BREWERY CREEK
	LUCKY ZONE
	SECTION 22791E
	Vertical N-S Section Looking West
	Section Thickness : 20m — File : LS.DWG
PROJ.No.	SURVEY BY: — DATE: November 22/90
N.T.S. 116B01	DRAWN BY: GMS/AutoCAD (R. Fenton) — SCALE: 1:500
DWG.No.	NORANDA EXPLORATION COMPANY, LIMITED
	OFFICE: Whitehorse

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NORANDA EXPLORATION CO. LTD.

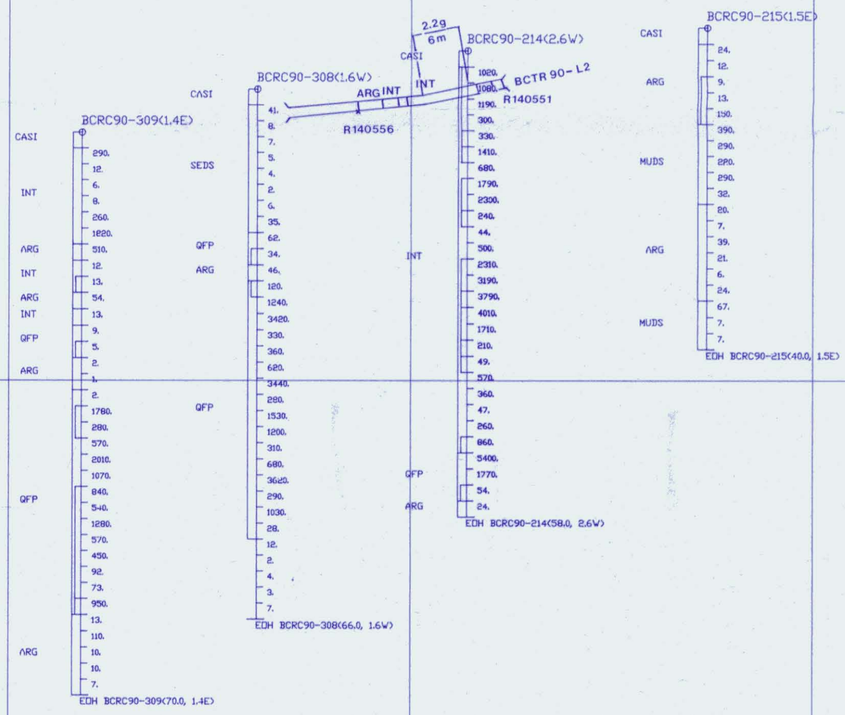
092928

19750N | 19800N | 19850N | 19900N | 19950N

900ELEV

850ELEV

800ELEV



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Data Presentation : Geology // Au(ppb)

REVISED
90-11-30 DAK

BREWERY CREEK

LUCKY ZONE
SECTION 22748E
Vertical N-S Section Looking West
Section Thickness : 20m File : L3.DWG

PROJ.NO.
N.T.S. 116B01
DWG.No.
SURVEY BY:
DRAWN BY: GMS/AutoCAD (R. Fenton)
DATE: November 22/90
SCALE: 1:500

NORANDA EXPLORATION COMPANY, LIMITED
OFFICE: Whitehorse

092928

19750N

19800N

19850N

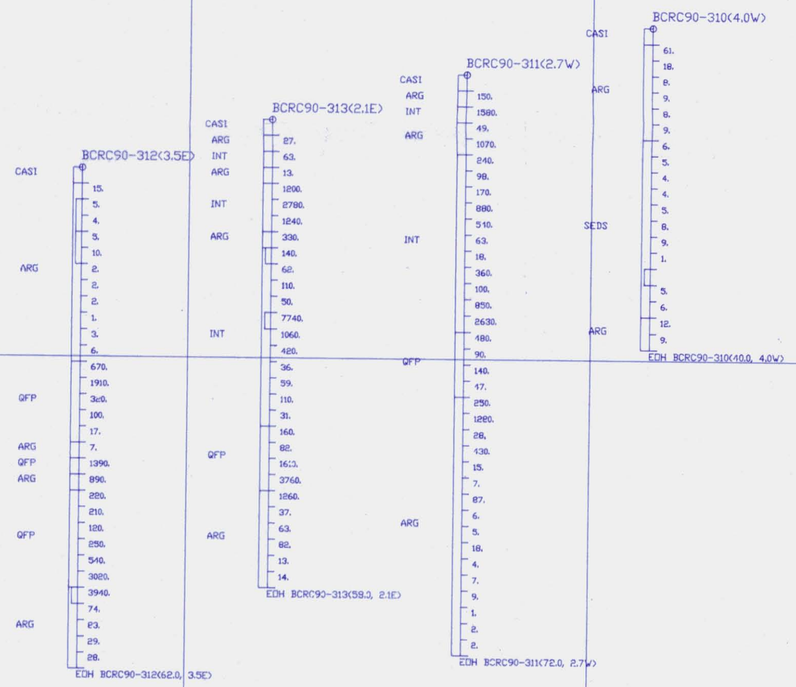
19900N

19950N

900ELEV

850ELEV

800ELEV



Data Presentation : Geology // Au(ppb)

REVISED	BREWERY CREEK
	LUCKY ZONE
	SECTION 22696E
	Vertical N-S Section Looking West
	Section Thickness : 20m. File : L1.DWG
PROJ.No.	SURVEY BY: DATED: November 29/90
N.T.S. 116B01	DRAWN BY: GMS/AutoCAD (K. Fenton) SCALE: 1:500
DWG.No.	NORANDA EXPLORATION COMPANY, LIMITED
	OFFICE: Whitehorse

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NORANDA EXPLORATION CO. LTD.

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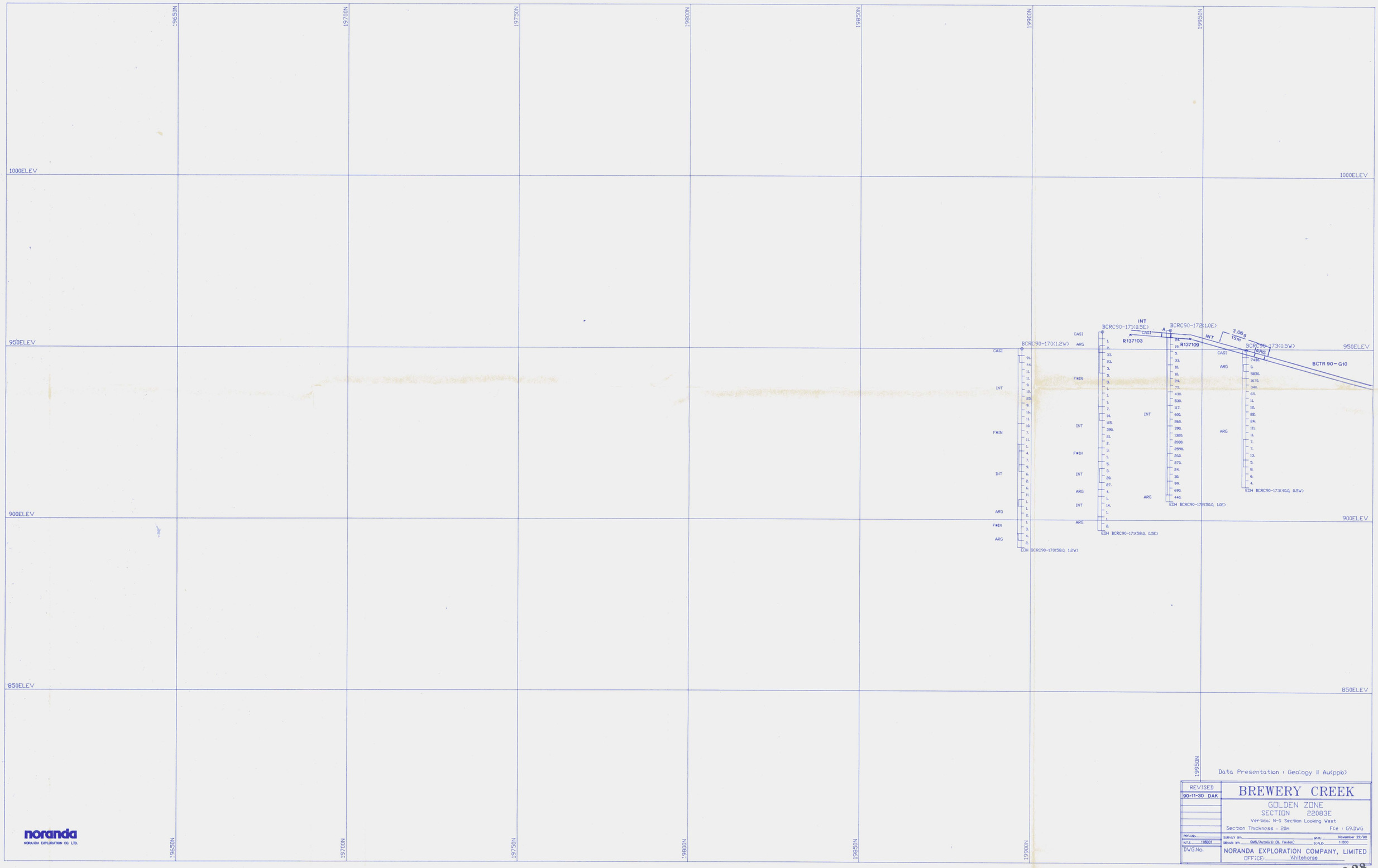

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Data Presentation : Geology ll Au(ppb)

REVISED
90-11-30 DAK

BREWERY CREEK

GOLDEN ZONE
SECTION 22083E
Vertical N-S Section Looking West
Section Thickness : 20m File : G9.DWG

PROJECT
N.T.S. 116B/1
DWG.No.

SURVEY BY: DATE: November 22/90
DRAWN BY: GMS/AutoCAD (R. Fenton) SCALE: 1:500

NORANDA EXPLORATION COMPANY, LIMITED
OFFICE: Whitehorse

092928

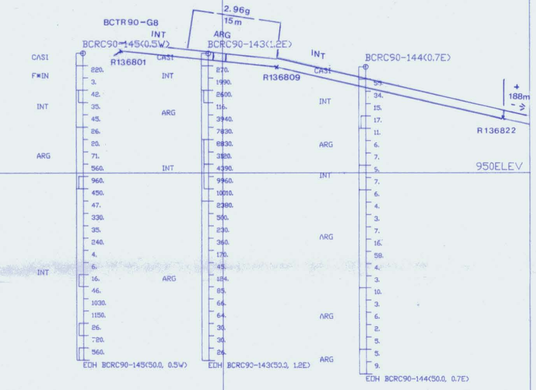
19650N | 19700N | 19750N | 19800N | 19850N | 19900N | 19950N

1000ELEV

950ELEV

900ELEV

850ELEV



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Data Presentation : Geology // Au(ppb)

REVISED
90-11-30 DAK

BREWERY CREEK

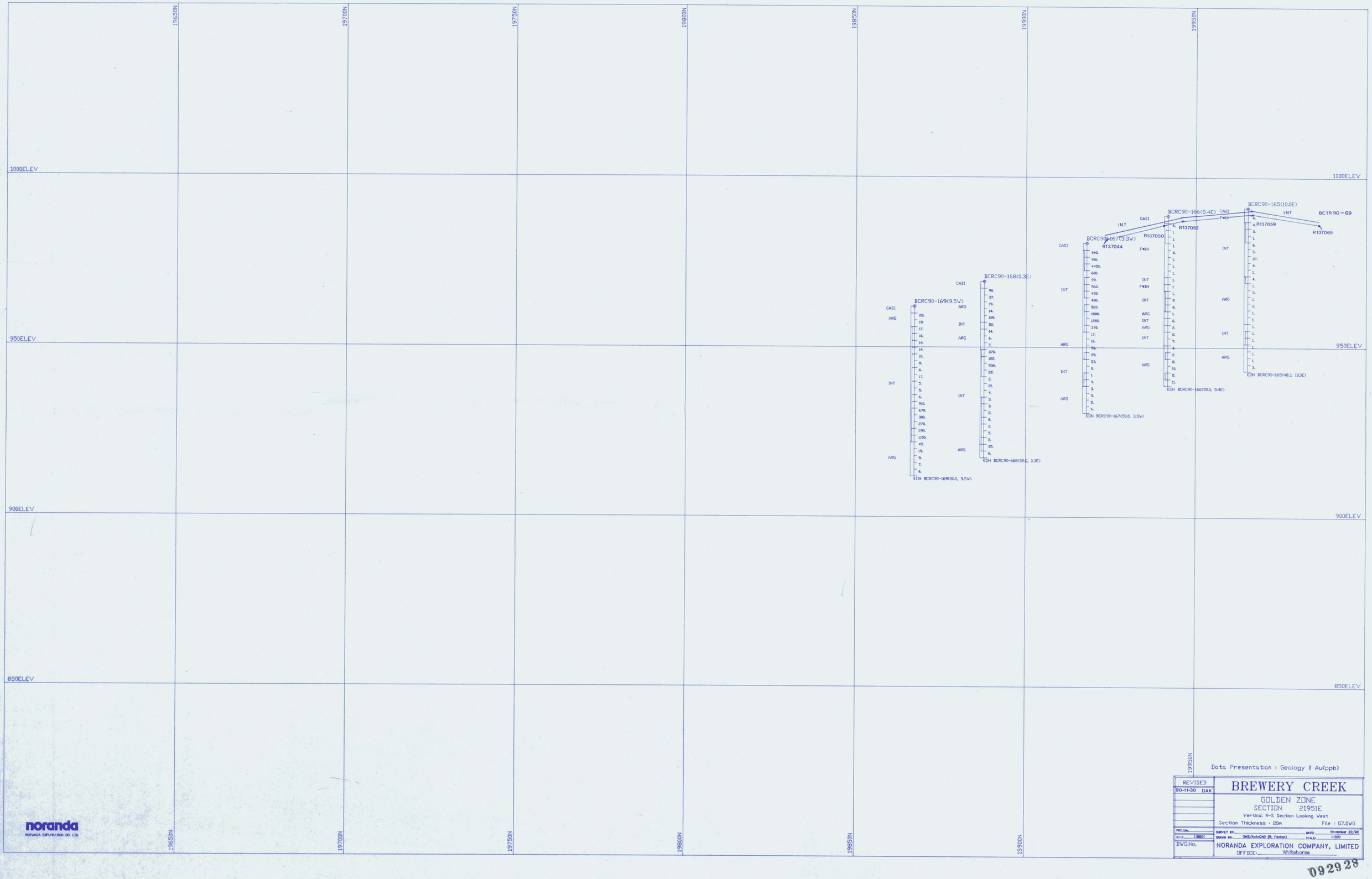
GOLDEN ZONE
SECTION 22040E
Vertical N-S Section Looking West
Section Thickness : 20m File : GB.DWG

PROJECT
NTS 116801
DWG.No.

SURVEY BY: DATE: November 22/90
DRAWN BY: GMS/AutoCAD (R. Pavlov) SCALE: 1:500

NORANDA EXPLORATION COMPANY, LIMITED
OFFICE: Whitehorse

092928

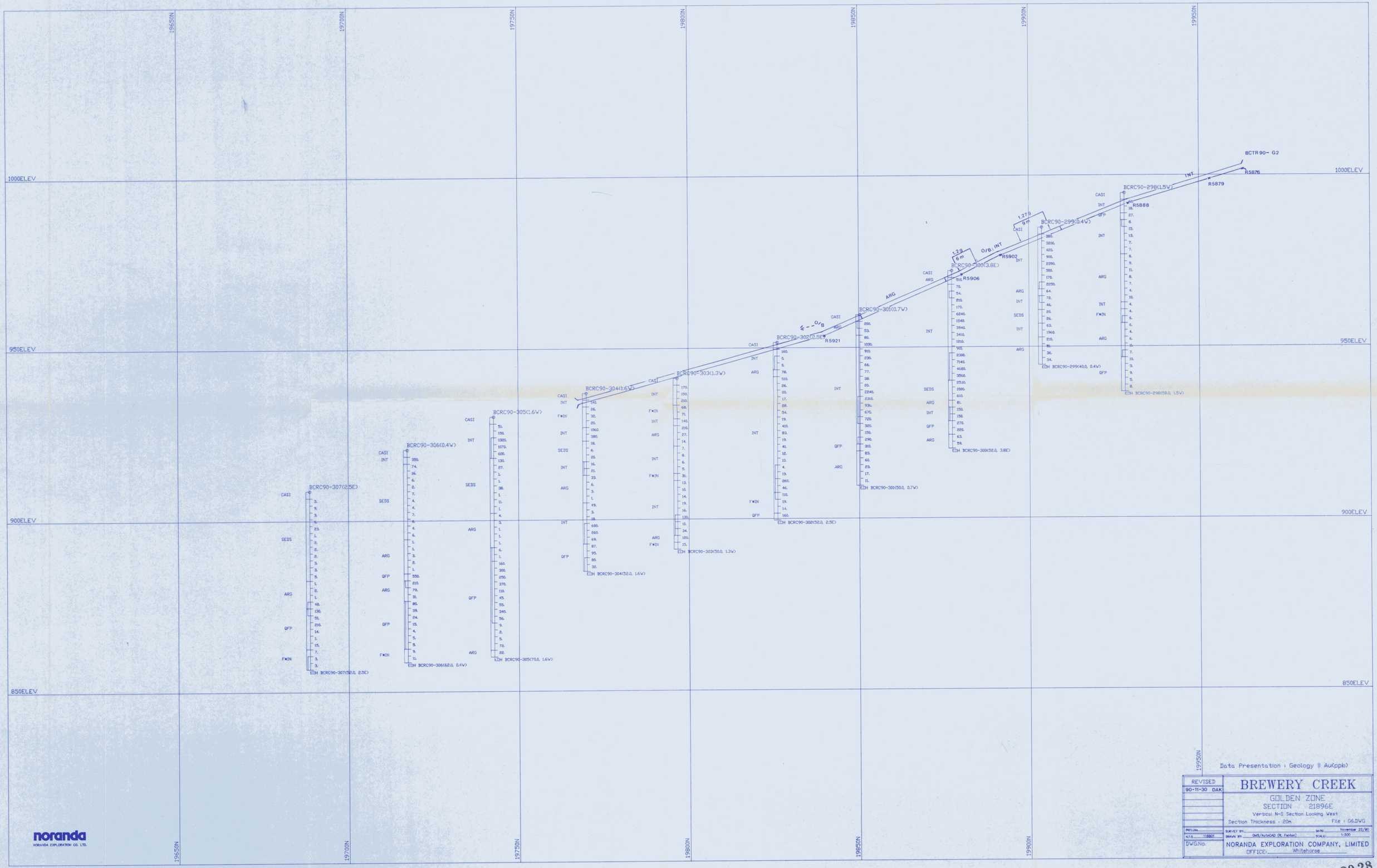


Data Presentation : Geology // Au(ppb)

REVISED 90-11-30 DAK	BREWERY CREEK
	GOLDEN ZONE
	SECTION 21951E
	Vertical N-S Section Looking West
	Section Thickness : 20m File : G7.DWG
PROJ.No.	SURVEY BY: DATE: November 22/90
N.T.S. 116B01	DRAWN BY: CMS/AutoCAD (R. Fenton) SCALE: 1:500
DWG.No.	NORANDA EXPLORATION COMPANY, LIMITED
	OFFICE: Whitehorse

noranda
NORANDA EXPLORATION CO. LTD.

092928



Data Presentation : Geology ∥ Au(ppb)

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REVISED	BREWERY CREEK
90-11-30 DAK	GOLDEN ZONE
	SECTION 21896E
	Vertical N-S Section Looking West
	Section Thickness : 20m File : G6.DWG
PROJ.No.	SURVEY BY: DATE: November 22/90
N.T.S. 116B01	DRAWN BY: GWS/AutoCAD (R. Fenton) SCALE: 1:500
DWG.No.	NORANDA EXPLORATION COMPANY, LIMITED
	OFFICE: Whitehorse

092928

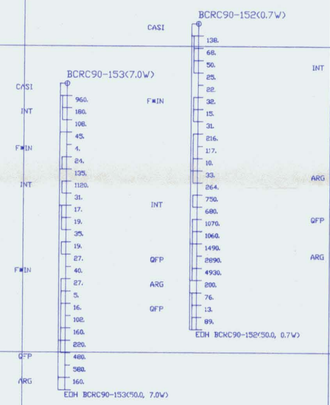
19650N 19700N 19750N 19800N 19850N 19900N 19950N

1000ELEV

950ELEV

900ELEV

850ELEV



Data Presentation : Geology ‖ Au(ppb)

REVISED	BREWERY CREEK
	GOLDEN ZONE
	SECTION 21813E
	Vertical N-S Section Looking West
	Section Thickness : 20m File : G5.DWG
PROJ.No.	SURVEY BY: DATE: November 23/90
N.T.S. 116B/1	DRAWN BY: GMS/AutoCAD (R. Fenton) SCALE: 1:500
DWG.No.	NORANDA EXPLORATION COMPANY, LIMITED
	OFFICE: Whitehorse

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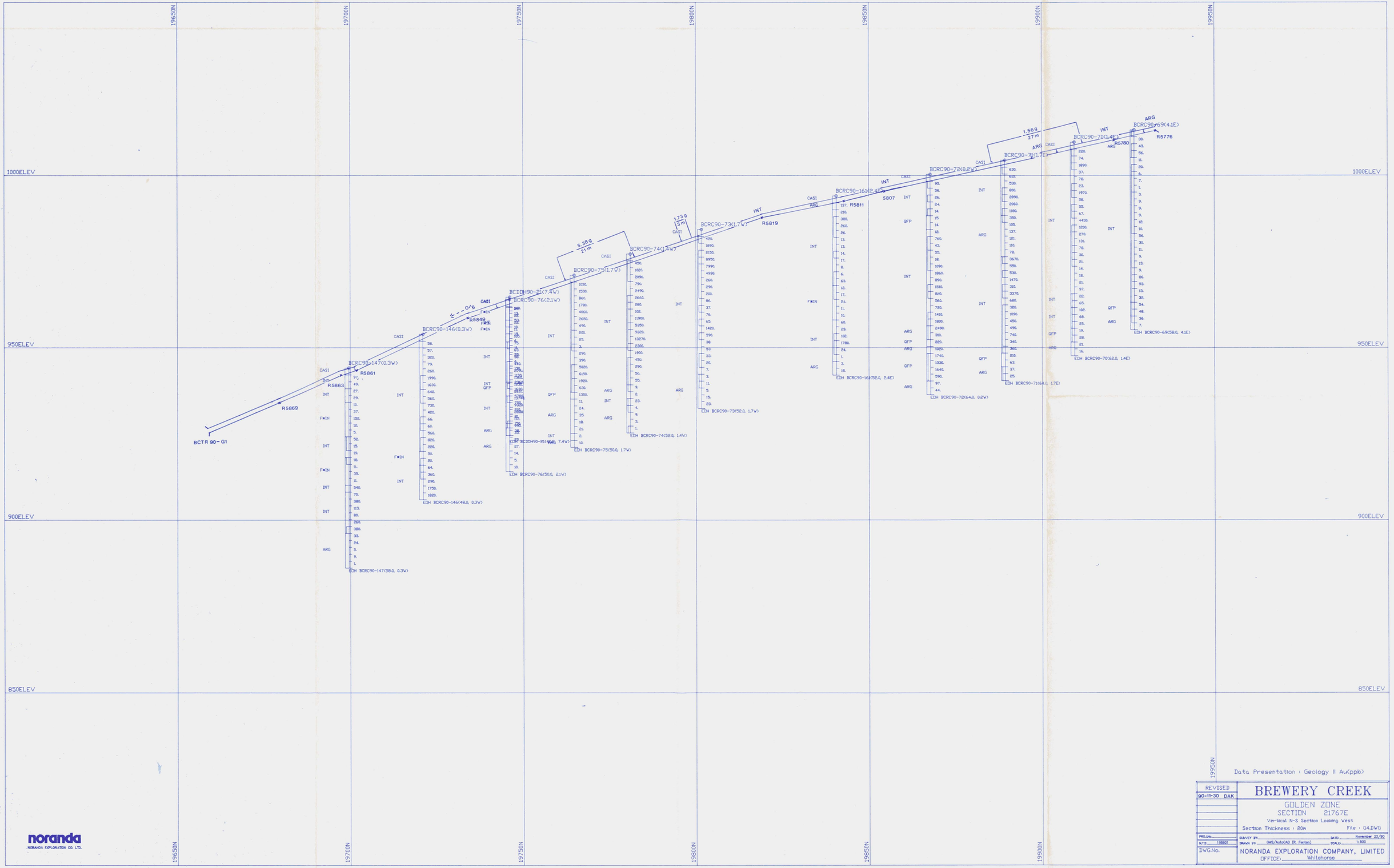
NORANDA EXPLORATION CO. LTD.

092928



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Data Presentation : Geology ll Au(ppb)

REVISED 90-11-30 DAK	BREWERY CREEK
	GOLDEN ZONE
	SECTION 21767E
	Vertical N-S Section Looking West
	Section Thickness : 20m File : G4.DWG
PROJ.No. 11880T	SURVEY BY: DATE: November 27/90
N.T.S.	DRAWN BY: GMS/AutoCAD (R. Fenton) SCALE: 1:500
DWG.No.	NORANDA EXPLORATION COMPANY, LIMITED
	OFFICE: Whitehorse

092928

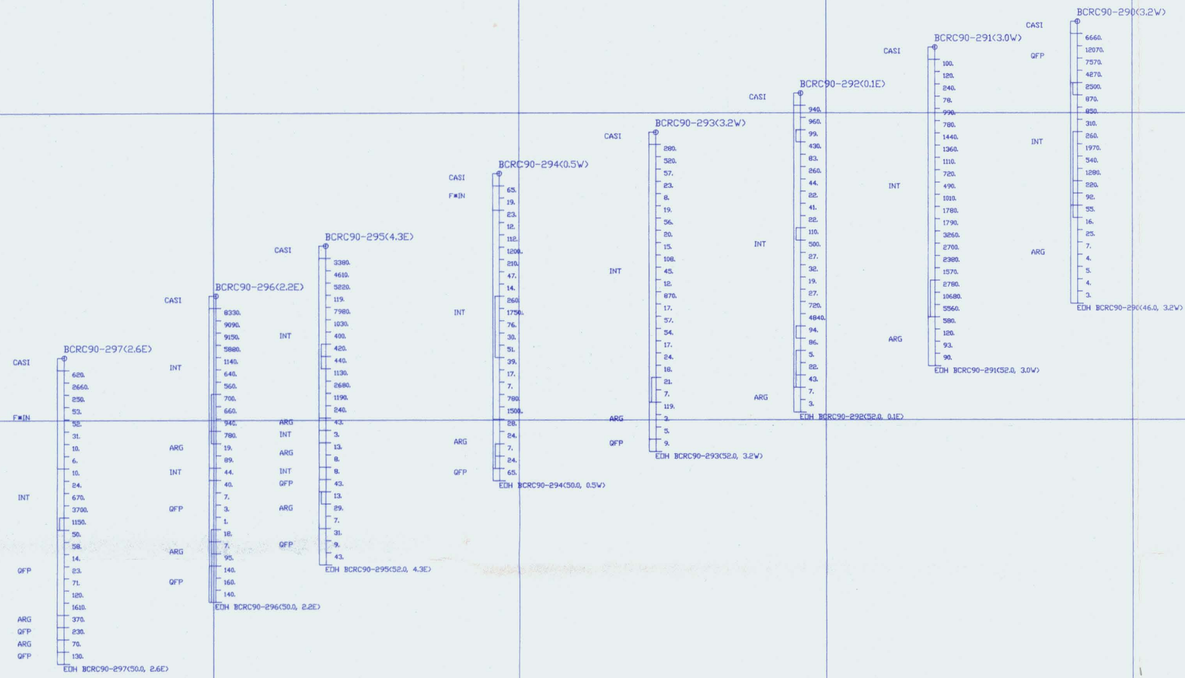
19650N 19700N 19750N 19800N 19850N 19900N 19950N

1000ELEV

950ELEV

900ELEV

850ELEV



Data Presentation : Geology || Au(ppb)

REVISED	BREWERY CREEK
	GOLDEN ZONE
	SECTION 21708E
	Vertical N-S Section Looking West
	Section Thickness : 20m File : G3.DWG
PROJ.No.	SURVEY BY: DATE: November 22/90
N.T.S. 115B01	DRAWN BY: CMS/AutoCAD (R. Fenton) SCALE: 1:500
DWG.No.	NORANDA EXPLORATION COMPANY, LIMITED
	OFFICE: Whitehorse

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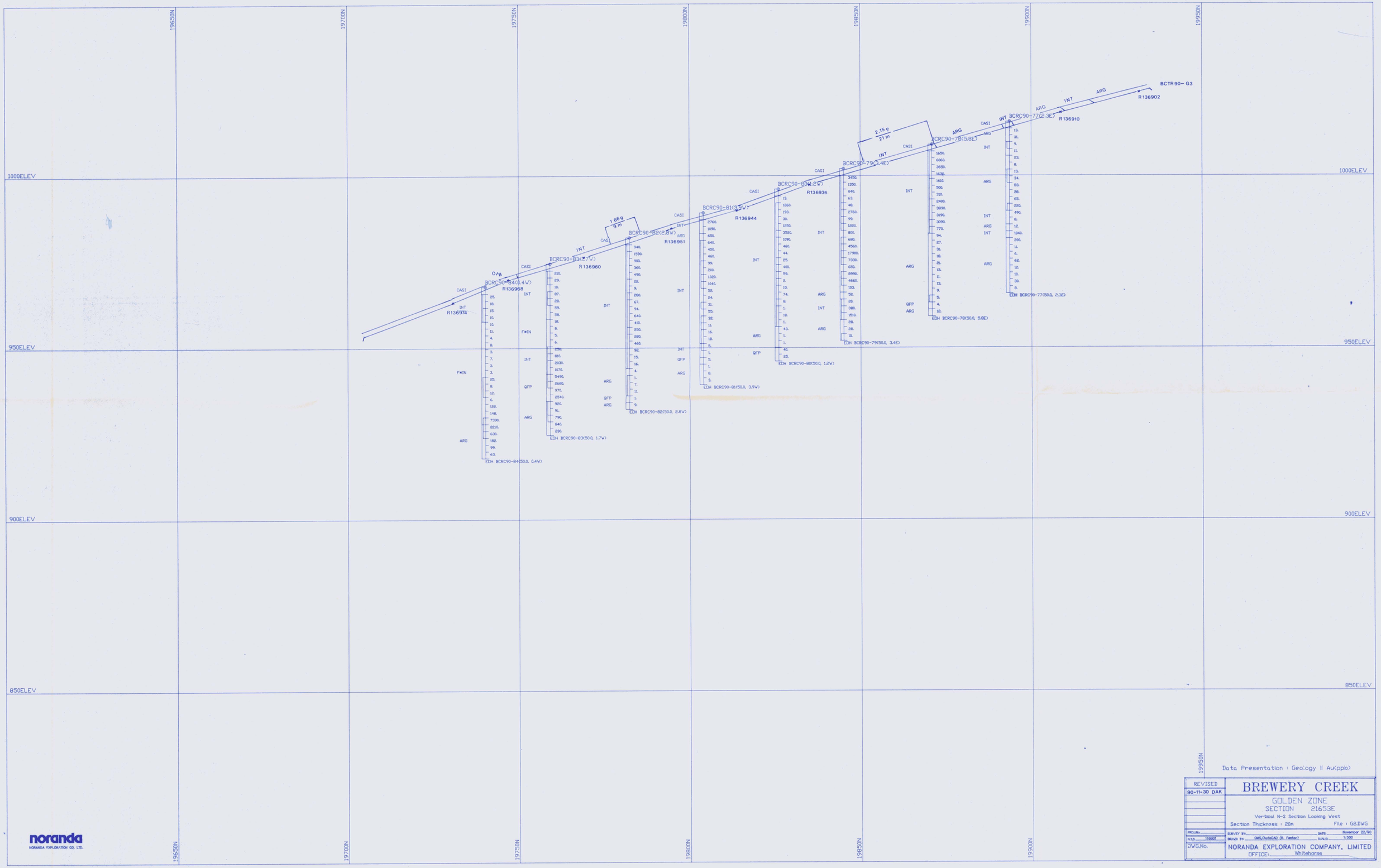
NORANDA EXPLORATION CO., LTD.

092928



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Data Presentation : Geology II Au(ppb)

REVISED
90-11-30 DAK

BREWERY CREEK

GOLDEN ZONE
SECTION 21653E
Vertical N-S Section Looking West
Section Thickness : 20m File : G2.DWG

PROJ.No.
N.T.S. 116B01
DWG.No.

SURVEY BY. DATE. November 22/90
DRAWN BY. CMS/AutoCAD (R. Fenton) SCALE. 1:500

NORANDA EXPLORATION COMPANY, LIMITED
OFFICE: Whitehorse

092928

19650N 19700N 19750N 19800N 19850N 19900N 19950N

1000ELEV

950ELEV

900ELEV

850ELEV


BCRC90-160(1.4W)
CASI
INT
QFP
ARG
103.
32.
740.
320.
2010.
3010.
3510.
880.
640.
1120.
2130.
2505.
840.
101.
560.
151.
710.
1305.
780.
183.
240.
84.
17.
79.
EDH BCRC90-160(50.0, 1.4W)
BCRC90-159(2.4W)
CASI
INT
QFP
ARG
480.
1130.
1300.
1130.
5120.
8835.
8255.
3750.
1530.
900.
250.
4250.
640.
57.
136.
190.
77.
82.
17.
54.
30.
74.
56.
87.
EDH BCRC90-159(50.0, 2.4W)
BCRC90-158(3.5W)
CASI
INT
QFP
ARG
48.
101.
22.
10.
15.
1.
4.
3.
4.
10.
14.
15.
11.
8.
5.
1.
1.
10.
10.
2.
7.
2.
2.
6.
EDH BCRC90-158(50.0, 3.5W)
BCRC90-157(1.9W)
CASI
FWIN
INT
ARG
QFP
340.
19.
660.
127.
220.
105.
14.
1640.
546.
230.
76.
18.
16.
64.
780.
57.
30.
114.
1830.
8035.
4350.
290.
62.
EDH BCRC90-157(50.0, 1.9W)
BCRC90-156(1.7W)
CASI
ARG
QFP
870.
75.
50.
46.
31.
25.
26.
31.
5.
8.
3.
130.
49.
535.
126.
366.
154.
8.
5.
3.
4.
1.
1.
1.
EDH BCRC90-156(50.0, 1.7W)
BCRC90-155(5.0E)
CASI
ARG
QFP
20.
7.
16.
5.
3.
230.
10.
2330.
460.
4.
20.
5.
160.
EDH BCRC90-155(28.0, 5.0E)
BCRC90-154(8.1E)
CASI
ARG
FWIN
INT
48.
16.
48.
410.
86.
188.
118.
147.
14.
4.
5.
1.
1.
36.
59.
10.
210.
80.
54.
16.
64.
125.
290.
115.
EDH BCRC90-154(50.0, 8.1E)

Data Presentation : Geology ‖ Au(ppb)

noranda
NORANDA EXPLORATION CO. LTD.

REVISED	BREWERY CREEK
	GOLDEN ZONE
	SECTION 21599E
	Vertical N-S Section Looking West
	Section Thickness : 20m File : GLDWG
PROJ.No.	SURVEY BY: DATED: November 22/90
M.T.S. 116B01	DRAWN BY: GMB/AutoCAD (R. Fenton) SCALE: 1:500
DWG.No.	NORANDA EXPLORATION COMPANY, LIMITED
	OFFICE: Whitehorse

092928

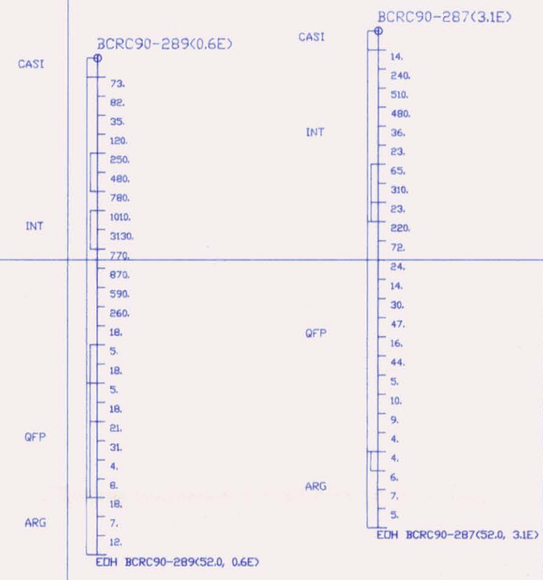
19450N | 19500N | 19550N | 19600N

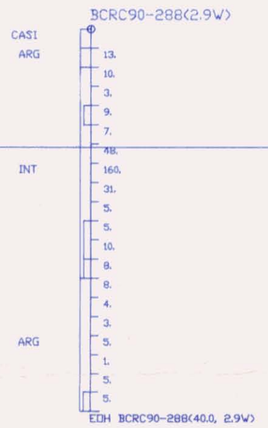
950ELEV

900ELEV

850ELEV

800ELEV





19600N

Data Presentation : Geology ll Au(ppb)

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NORANDA EXPLORATION CO. LTD.

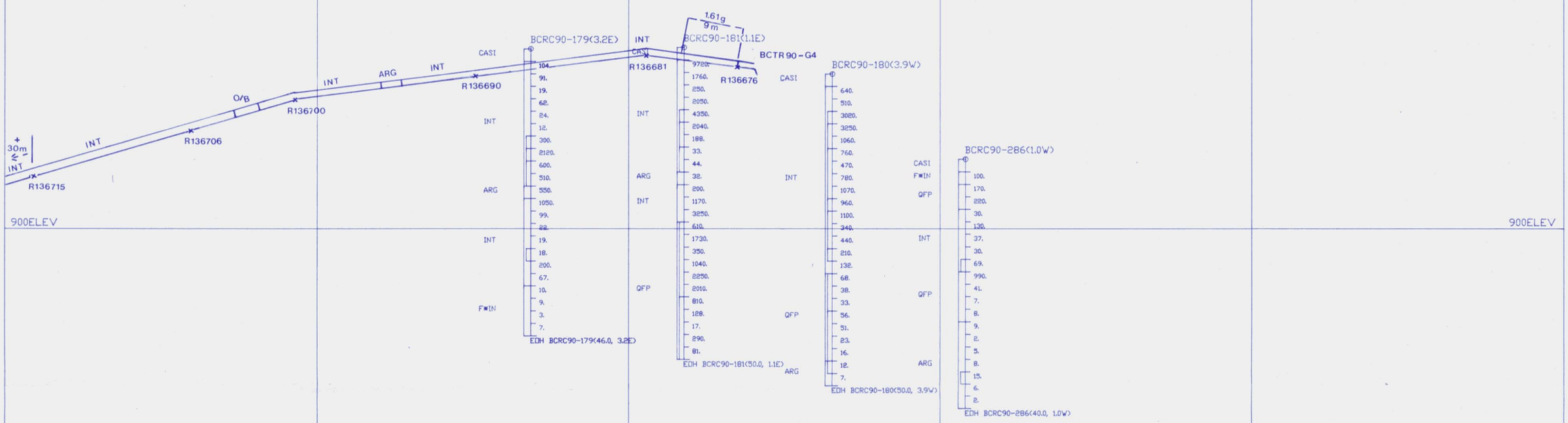
REVISED	BREWERY CREEK
	GOLDEN ZONE (South)
	SECTION 21943E
	Vertical N-S Section Looking West
	Section Thickness : 20m — File : SG3.DWG
PROJ.No.	SURVEY BY: — DATE: November 22/90
N.T.S. 116B01	DRAWN BY: GMS/AutoCAD (R. Fenton) — SCALE: 1:500
DWG.No.	NORANDA EXPLORATION COMPANY, LIMITED
	OFFICE: Whitehorse

19450N | 19500N | 19550N

092928

19450N | 19500N | 19550N | 19600N

950ELEV



900ELEV

850ELEV

800ELEV

19450N | 19500N | 19550N | 19600N

noranda
NORANDA EXPLORATION CO. LTD.

Data Presentation : Geology || Au(ppb)

REVISED
90-11-30 DAK

BREWERY CREEK

GOLDEN ZONE (South)
SECTION 21887E
Vertical N-S Section Looking West
Section Thickness : 20m
File : SG2.DWG

PROJ.No.
N.T.S. 116B01
DWG.No.

SURVEY BY: DATE: November 22/90
DRAWN BY: GMS/AutoCAD (R. Fenton) SCALE: 1:500

NORANDA EXPLORATION COMPANY, LIMITED
OFFICE: Whitehorse

092928

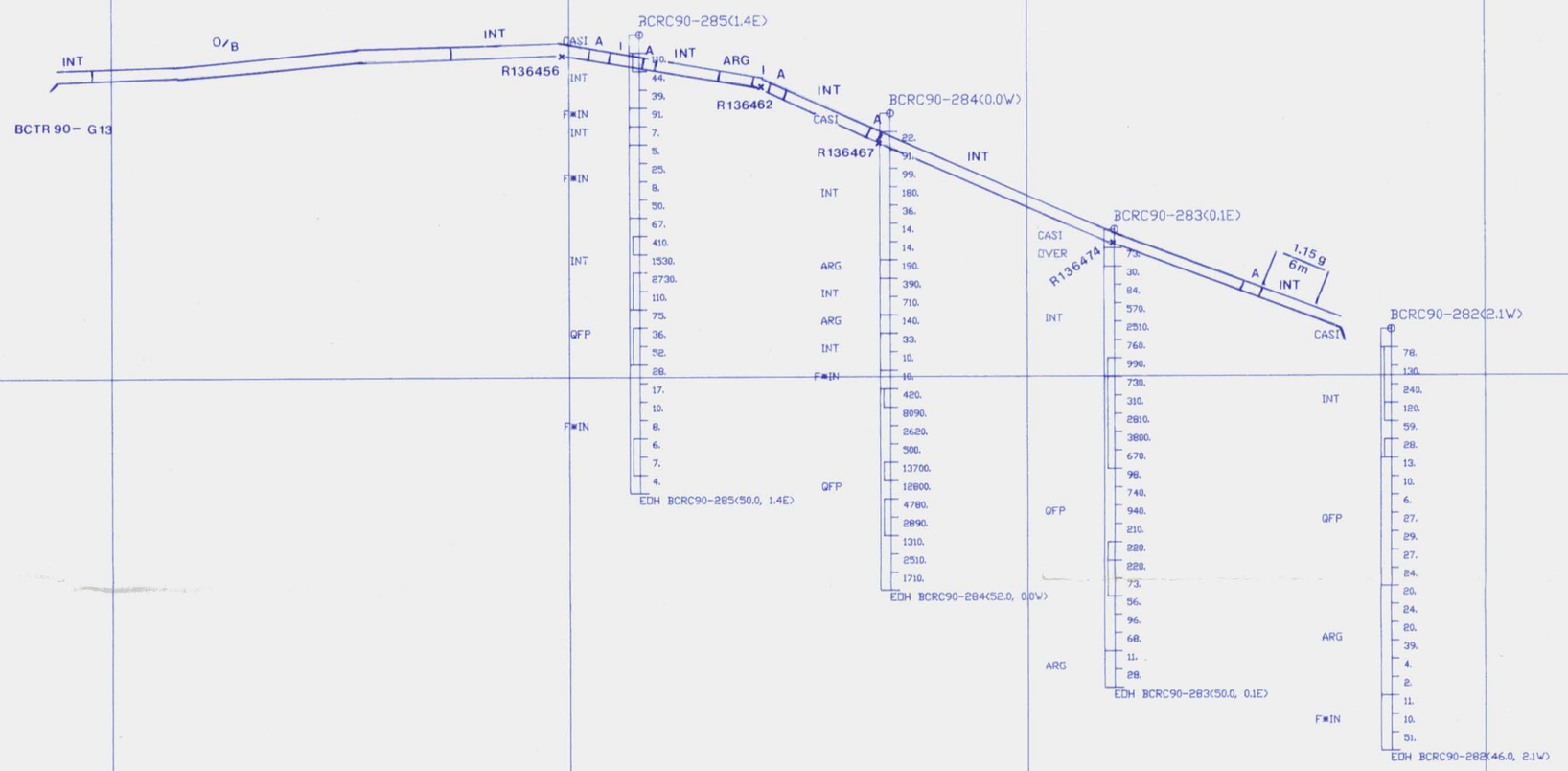
19450N | 19500N | 19550N | 19600N

950ELEV

900ELEV

850ELEV

800ELEV



Data Presentation : Geology ll Au(ppb)

REVISED
90-11-30 DAK

BREWERY CREEK

GOLDEN ZONE (South)

SECTION 21811E

Vertical N-S Section Looking West

Section Thickness : 20m File : SG1.DWG

PROJ.No. | SURVEY BY: | DATE: November 22/90

N.T.S. 116B01 | DRAWN BY: GMS/AutoCAD (R. Fenton) | SCALE: 1:500

DWG.No.

NORANDA EXPLORATION COMPANY, LIMITED

OFFICE: Whitehorse

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092928

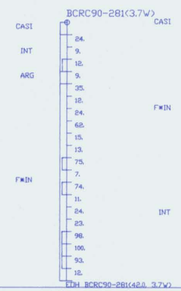
19750N
19800N
19850N
19900N
19950N
20000N
20050N

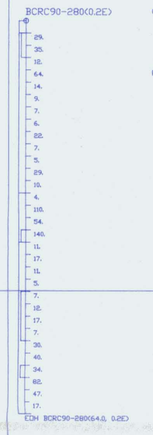
1050ELEV

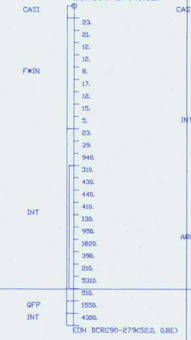
1000ELEV

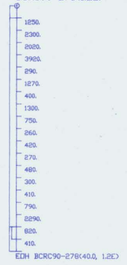
950ELEV

900ELEV









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Data Presentation : Geology ll Au(ppb)

REVISED	BREWERY CREEK
	KOKANEE ZONE
	SECTION 21229E
	Vertical N-S Section Looking West
	Section Thickness : 20m File : K14.DWG
PROJ.No.	SURVEY BY: DATE: January 3/90
N.T.S. 116B01	DRAWN BY: GMS/AutoCAD (R. Fenton) SCALE: 1:500
DWG.No.	NORANDA EXPLORATION COMPANY, LIMITED
	OFFICE: Whitehorse

092929

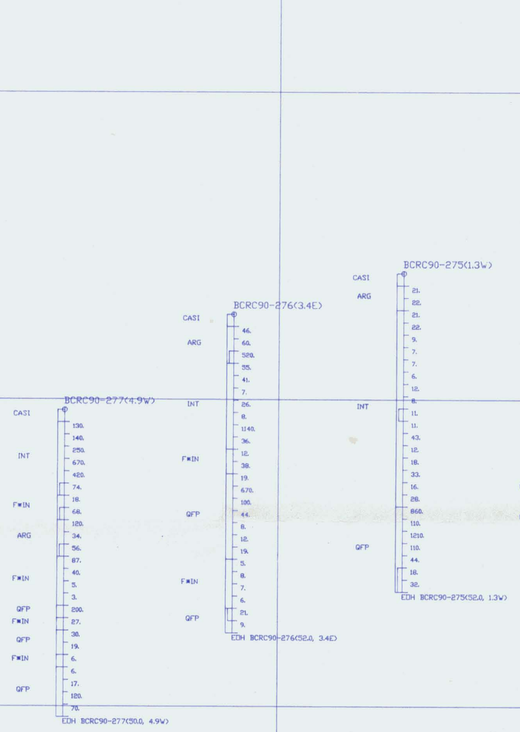
19750N | 19800N | 19850N | 19900N | 19950N | 20000N | 20050N

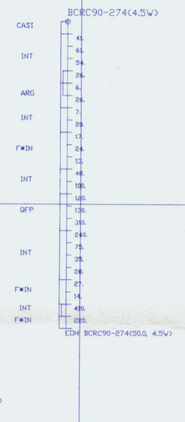
1050ELEV

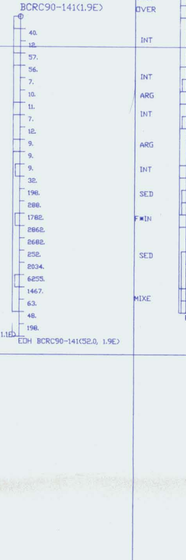
1000ELEV

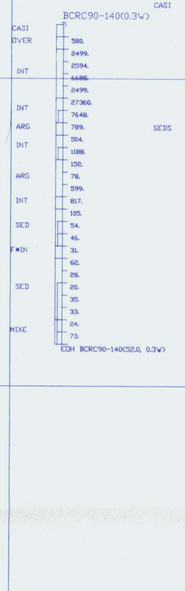
950ELEV

900ELEV









Data Presentation : Geology ‖ Au(ppb)

REVISED	BREWERY CREEK
	KOKANEE ZONE
	SECTION 21177E
	Vertical N-S Section Looking West
	Section Thickness : 20m — File : K13.DWG
PROJ.No.	SURVEY BY: — DATE: January 3/90
N.T.S. 116B01	DRAWN BY: GMS/AutoCAD (R. Fenton) — SCALE: 1:500
DWG.No.	NORANDA EXPLORATION COMPANY, LIMITED
	OFFICE: Whitehorse

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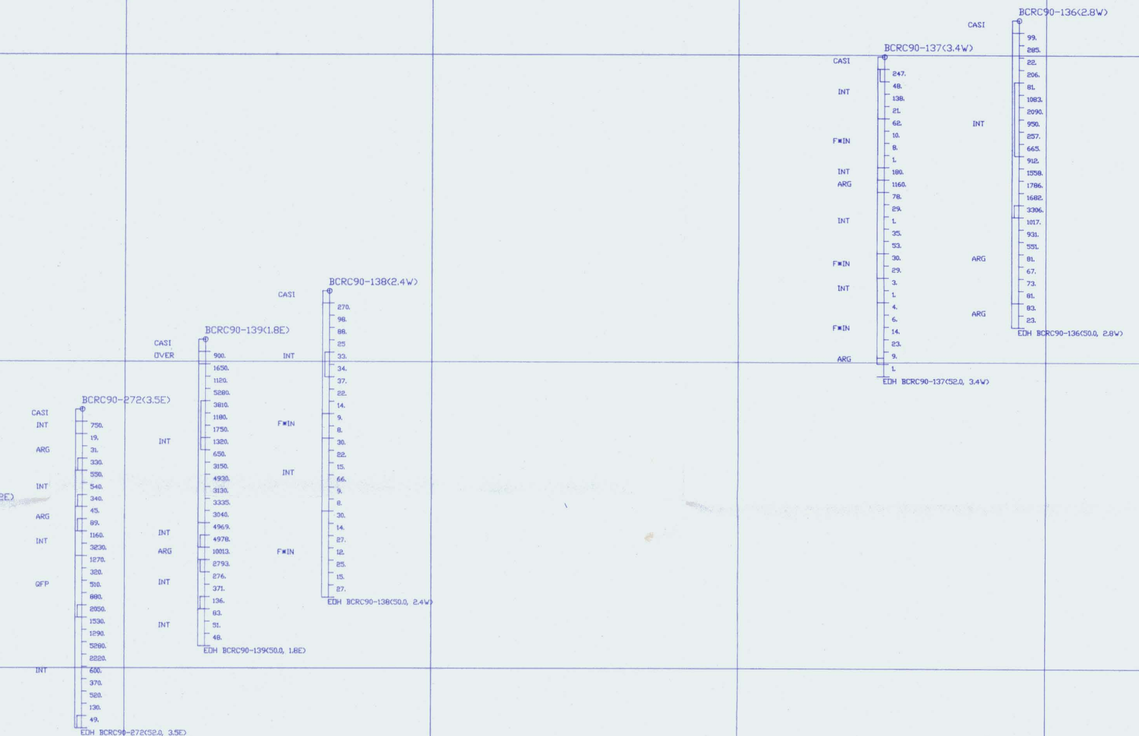
092928

19750N
19800N
19850N
19900N
19950N
20000N
20050N

1050ELEV
1000ELEV
950ELEV
900ELEV



Data Presentation : Geology ll Au(ppb)

REVISED	BREWERY CREEK
	KOKANEE ZONE
	SECTION 21065E
	Vertical N-S Section Looking West
	Section Thickness : 20m File : Ki2.DWG
PROJ.No.	SURVEY BY: DATE: January 3/90
N.T.S. 116B01	DRAWN BY: GMS/AutoCAD (R. Fenton) SCALE: 1:500
DWG.No.	NORANDA EXPLORATION COMPANY, LIMITED
	OFFICE: Whitehorse

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092928

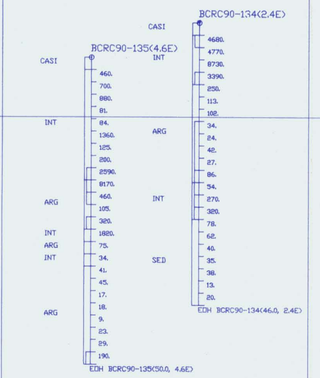
19750N | 19800N | 19850N | 19900N | 19950N | 20000N | 20050N

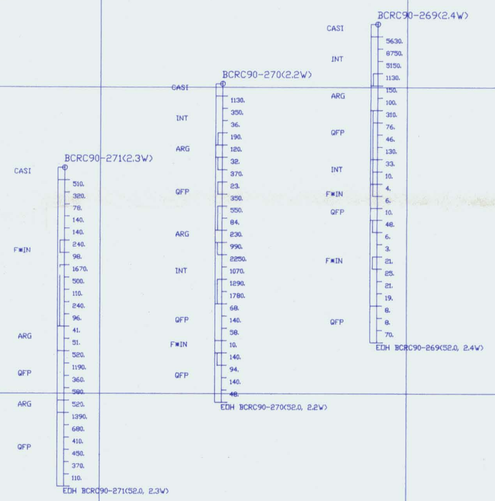
1050ELEV

1000ELEV

950ELEV

900ELEV





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Data Presentation : Geology ll Au(ppb)

REVISED	**BREWERY CREEK**
	KOKANEE ZONE
	SECTION 21014E
	Vertical N-S Section Looking West
	Section Thickness : 20m File : K31.DWG
PRELIM.	SURVEY BY: DATE: January 3/90
N.T.S. 116B01	DRAWN BY: CMS/AutoCAD (R. Fenton) SCALE: 1:500
DWG.No.	NORANDA EXPLORATION COMPANY, LIMITED
	OFFICE: Whitehorse

092928

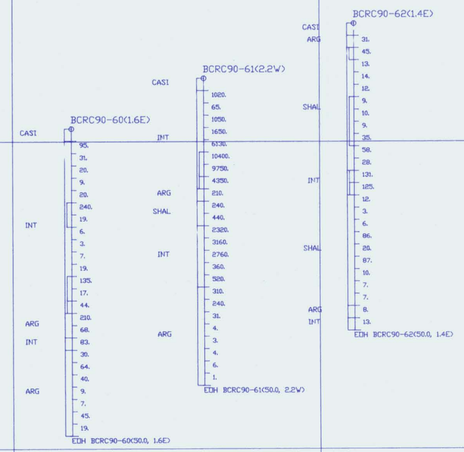
19750N | 19800N | 19850N | 19900N | 19950N | 20000N | 20050N

1050ELEV

1000ELEV

950ELEV

900ELEV



Data Presentation : Geology // Au(ppb)

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REVISED	BREWERY CREEK
	KOKANEE ZONE
	SECTION 20971E
	Vertical N-S Section Looking West
	Section Thickness : 20m File : K10.DWG
PROJ.No.	SURVEY BY: DATE: January 3/90
N.T.S. 116B01	DRAWN BY: GMS/AutoCAD (E. Fenton) SCALE: 1:500
DWG.No.	NORANDA EXPLORATION COMPANY, LIMITED
	OFFICE: Whitehorse

092928

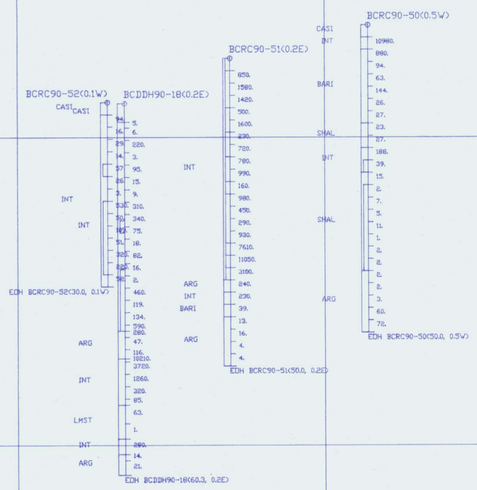
19750N | 19800N | 19850N | 19900N | 19950N | 20000N | 20050N

1050ELEV

1000ELEV

950ELEV

900ELEV



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Data Presentation : Geology ‖ Au(ppb)

REVISED	BREWERY CREEK
	KOKANEE ZONE
	SECTION 20928E
	Vertical N-S Section Looking West
	Section Thickness : 20m File : K9.DWG
PROJ.No.	SURVEY BY: DATE: January 3/90
N.T.S. 116B01	DRAWN BY: GMS/AutoCAD (R. Fenton) SCALE: 1:500
DWG.No.	NORANDA EXPLORATION COMPANY, LIMITED
	OFFICE: Whitehorse

092928

19750N
19800N
19850N
19900N
19950N
20000N
20050N
20100N

1050ELEV
1000ELEV
950ELEV
900ELEV

BCRC90-120(2.1W)
BCRC90-119(2.8W)
BCRC90-118(1.4W)
BCRC90-117(1.4W)
BCRC90-56(2.6W)
BCRC90-55(0.6E)
BCDDH90-20(1.0W)
BCDDH90-19(1.0W)
BCRC90-54(0.7E)
BCRC90-53(3.6E)
BCRC89-12(2.1E)

EOH BCRC90-120(60.0, 2.1W)
EOH BCRC90-119(64.0, 2.8W)
EOH BCRC90-118(62.0, 1.4W)
EOH BCRC90-117(60.0, 1.4W)
EOH BCRC90-56(50.0, 2.6W)
EOH BCRC90-55(50.0, 0.6E)
EOH BCDDH90-19(47.3, 1.0W)
EOH BCRC90-54(50.0, 0.7E)
EOH BCRC90-53(50.0, 3.6E)
EOH BCRC89-12(44.2, 2.1E)

Data Presentation : Geology ‖ Au(ppb)

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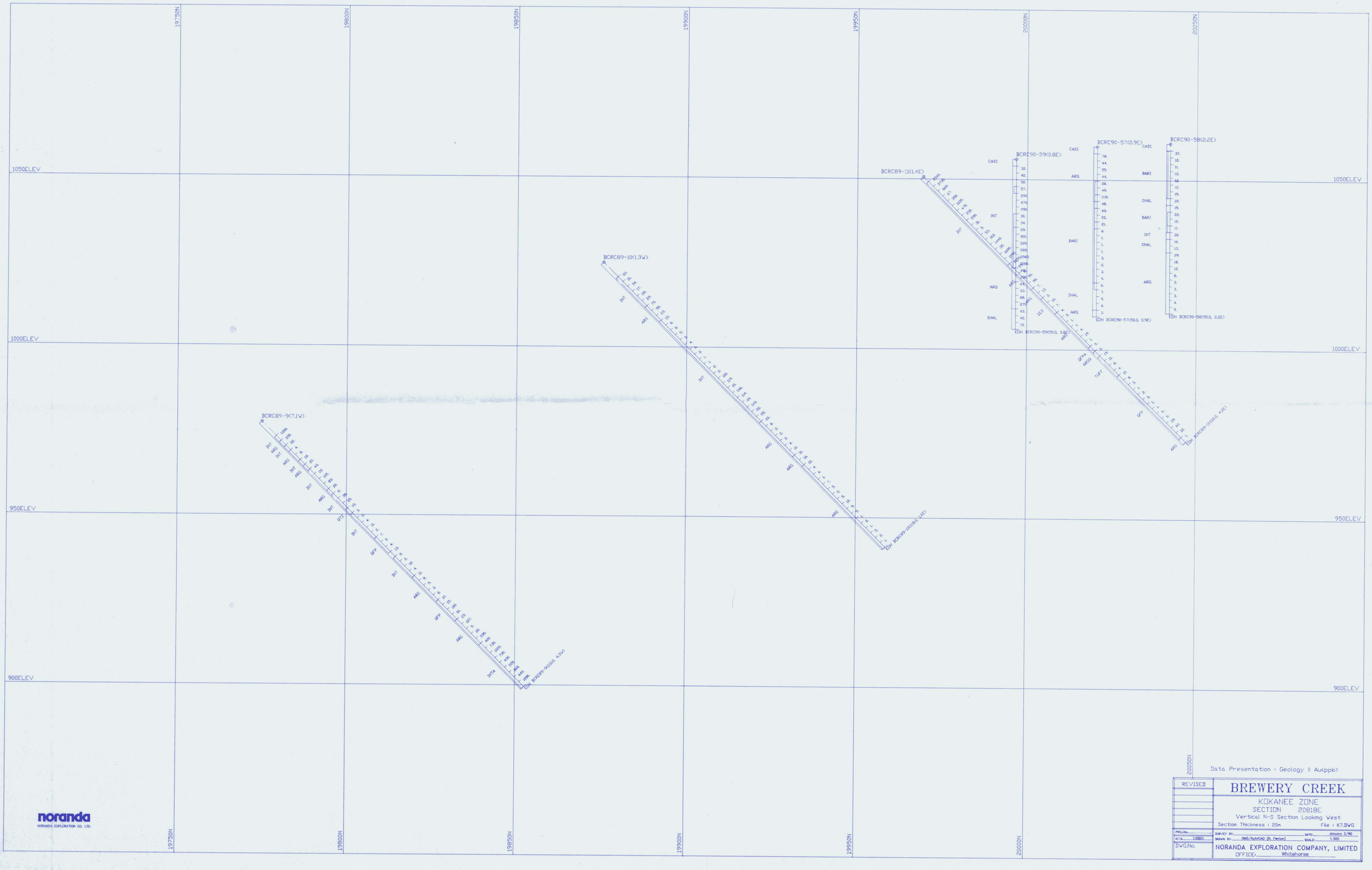
REVISED	BREWERY CREEK
	KOKANEE ZONE
	SECTION 20863E
	Vertical N-S Section Looking West
	Section Thickness : 20m File : KB.DWG
PROJECT No. 11880	SURVEY BY: DATE: January 3/90
	DRAWN BY: GMS/AutoCAD (R. Fenton) SCALE: 1:500
DWG.No.	NORANDA EXPLORATION COMPANY, LIMITED
	OFFICE: Whitehorse

092928



Data Presentation : Geology ll Au(ppb)

REVISED	BREWERY CREEK
	KOKANEE ZONE
	SECTION 20818E
	Vertical N-S Section Looking West
	Section Thickness : 20m File : K7.DWG
PROJ.No.	SURVEY BY: DATE: January 3/90
N.T.S. 116B01	DRAWN BY: GMS/AutoCAD (R. Fenton) SCALE: 1:500
DWG.No.	NORANDA EXPLORATION COMPANY, LIMITED
	OFFICE: Whitehorse

092928

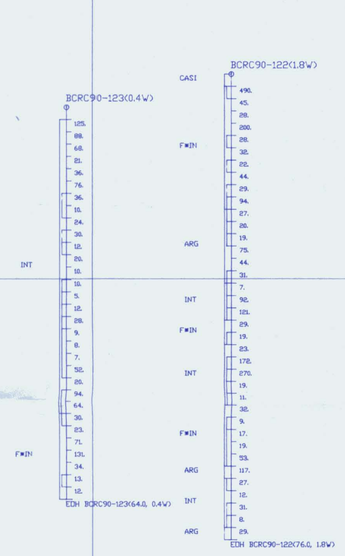
19750N | 19800N | 19850N | 19900N | 19950N | 20000N | 20050N

1050ELEV

1000ELEV

950ELEV

900ELEV



noranda
NORANDA EXPLORATION CO. LTD.

Data Presentation : Geology II Au(ppb)

REVISED	BREWERY CREEK
	KOKANEE ZONE
	SECTION 20776E
	Vertical N-S Section Looking West
	Section Thickness : 20m File : K6.DWG
PROJ.No.	SURVEY BY. DATE: January 3/90
N.T.S. 116B01	DRAWN BY: GMS/AutoCAD (R. Fenton) SCALE: 1:500
DWG.No.	NORANDA EXPLORATION COMPANY, LIMITED
	OFFICE: Whitehorse

092928

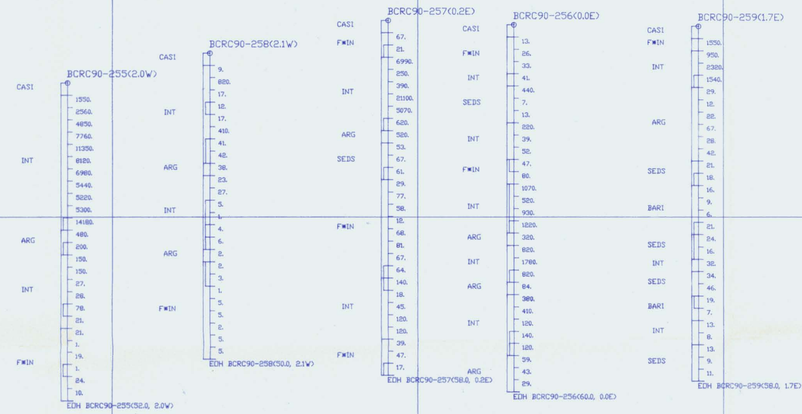
1975ON 1980ON 1985ON 1990ON 1995ON 2000ON 2005ON

1050ELEV

1000ELEV

950ELEV

900ELEV



noranda
NORANDA EXPLORATION CO. LTD.

Data Presentation : Geology ‖ Au(ppb)

REVISED	BREWERY CREEK
	KOKANEE ZONE
	SECTION 20754E
	Vertical N-S Section Looking West
	Section Thickness : 20m File : K5.DWG
PROJ.No.	SURVEY BY: DATE: January 3/90
N.T.S. 116B01	DRAWN BY: GMS/AutoCAD (R. Fenton) SCALE: 1:500
DWG.No.	NORANDA EXPLORATION COMPANY, LIMITED
	OFFICE: Whitehorse

092928

19750N
19800N
19850N
19900N
19950N
20000N
20050N

1050ELEV
1000ELEV
950ELEV
900ELEV

BCRC90-126(3.0W)
CASI
F■IN
ARG
F■IN
EOH BCRC90-126(70.0, 3.0W)

BCRC90-127(1.2W)
CASI
ARG
INT
F■IN
INT
ARG
INT
QFP
INT
EOH BCRC90-127(70.0, 1.2W)

BCRC90-68(0.2E)
CASI
INT
ARG
SHAL
INT
EOH BCRC90-68(50.0, 0.2E)

BCRC90-67(1.4W)
CASI
INT
ARG
INT
INT
EOH BCRC90-67(50.0, 1.4W)

BCRC90-66(0.5E)
CASI
INT
ARG
INT
EOH BCRC90-66(50.0, 0.5E)

BCRC90-65(1.2E)
ARG
INT
ARG
BARI
EOH BCRC90-65(50.0, 1.2E)

BCRC90-124(1.7E)
INT
ARG
BARI
SHAL
ARG
SHAL
ARG
EOH BCRC90-124(40.0, 1.7E)

BCRC90-125(2.4E)
EOH BCRC90-125(54.0, 2.4E)

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NORANDA EXPLORATION CO. LTD.

Data Presentation : Geology ‖ Au(ppb)

REVISED	BREWERY CREEK
	KOKANEE ZONE
	SECTION 20733E
	Vertical N-S Section Looking West
	Section Thickness : 20m File : K4.DWG
PROJ.No. N.T.S. 114B01	SURVEY BY: DATE: January 3/90
	DRAWN BY: GMS/AutoCAD (R. Fenton) SCALE: 1:500
DWG.No.	NORANDA EXPLORATION COMPANY, LIMITED
	OFFICE: Whitehorse

092928

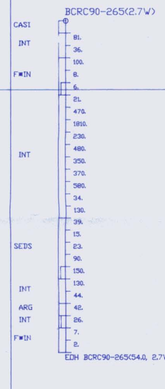
19750N | 19800N | 19850N | 19900N | 19950N | 20000N | 20050N

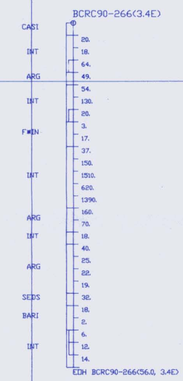
1050ELEV

1000ELEV

950ELEV

900ELEV





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NORANDA EXPLORATION CO. LTD.

Data Presentation : Geology ‖ Au(ppb)

REVISED	BREWERY CREEK
	KOKANEE ZONE
	SECTION 20710E
	Vertical N-S Section Looking West
	Section Thickness : 20m — File : K3.DWG
PROJ.No.	SURVEY BY: — DATE: January 3/90
N.T.S. 116B/1	DRAWN BY: CMS/AutoCAD (R. Fenton) — SCALE: 1:500
DWG.No.	NORANDA EXPLORATION COMPANY, LIMITED
	OFFICE: Whitehorse

092928

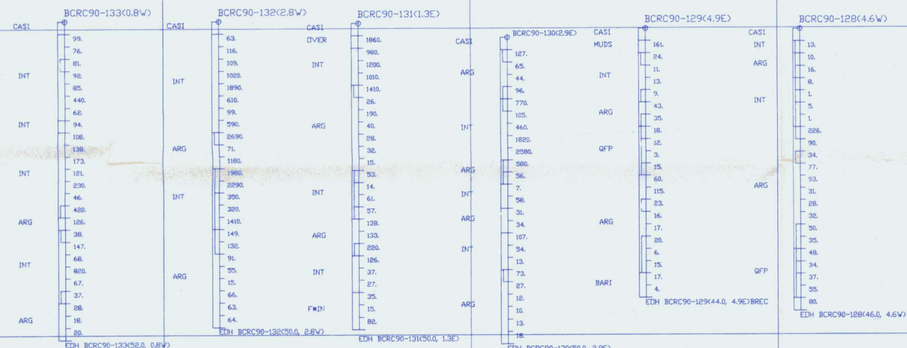
19750N 19800N 19850N 19900N 19950N 20000N 20050N

1050ELEV

1000ELEV

950ELEV

900ELEV



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NORANDA EXPLORATION CO. LTD.

Data Presentation : Geology ‖ Au(ppb)

REVISED	BREWERY CREEK
	KOKANEE ZONE
	SECTION 20686E
	Vertical N-S Section Looking West
	Section Thickness : 20m File : K2.DWG
PROJ.No.	SURVEY BY: DATE: January 3/90
N.T.S. 116B01	DRAWN BY: GMS/AutoCAD (S. Fenton) SCALE: 1:500
DWG.NO.	NORANDA EXPLORATION COMPANY, LIMITED
	OFFICE: Whitehorse

092928

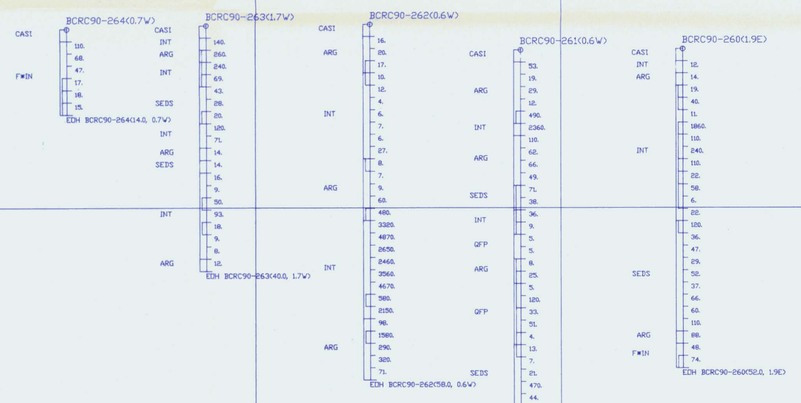
19750N | 19800N | 19850N | 19900N | 19950N | 20000N | 20050N

1050ELEV

1000ELEV

950ELEV

900ELEV



Data Presentation : Geology || Au(ppb)

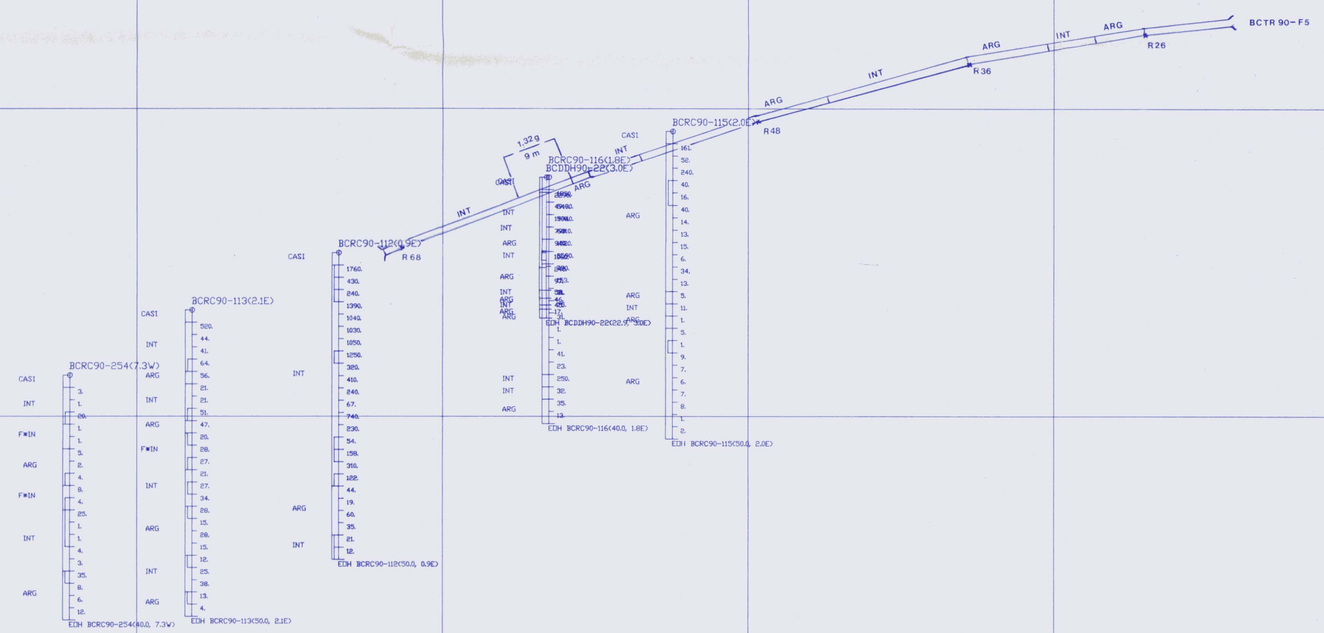
REVISED	BREWERY CREEK
	KOKANEE ZONE
	SECTION 20636E
	Vertical N-S Section Looking West
	Section Thickness : 20m File : K1.DWG
PROJ.No.	SURVEY BY: DATE: January 3/90
N.T.S. 116B01	DRAWN BY: GMS/AutoCAD (R. Fenton) SCALE: 1:500
DWG.No.	NORANDA EXPLORATION COMPANY, LIMITED
	OFFICE: Whitehorse

noranda
NORANDA EXPLORATION CO. LTD.

092928

19850N
19900N
19950N
20000N
20050N
20100N
20150N

950ELEV
900ELEV
850ELEV
800ELEV
750ELEV



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NORANDA EXPLORATION CO. LTD.

Data Presentation : Geology ‖ Au(ppb)

REVISED
90-11-30 DAK

BREWERY CREEK

FOSTER ZONE
SECTION 20101E
Vertical N-S Section Looking West
Section Thickness : 30m File : F7.DWG

PROJ.No.
N.T.S. 116B01
DWG.No.

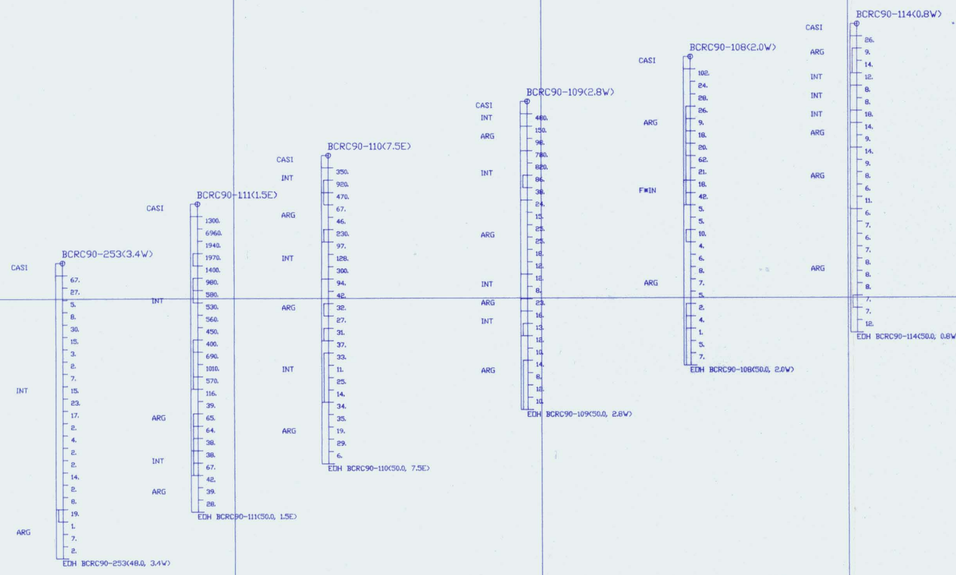
SURVEY BY: DATE: November 22/90
DRAWN BY: GMS/AutoCAD (S. Fenton) SCALE: 1:500

NORANDA EXPLORATION COMPANY, LIMITED
OFFICE: Whitehorse

092-22

19850N
19900N
19950N
20000N
20050N
20100N
20150N

950ELEV
900ELEV
850ELEV
800ELEV
750ELEV



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NORANDA EXPLORATION CO. LTD.

Data Presentation : Geology ll Au(ppb)

REVISED	BREWERY CREEK
	FOSTER ZONE
	SECTION 20049E
	Vertical N-S Section Looking West
	Section Thickness : 30m File : F6.DWG
PROJ.No.	SURVEY BY: DATE: November 22/90
N.T.S. 115I/2E	DRAWN BY: QMS/AutoCAD (R. Fenton) SCALE: 1:500
DWG.No.	NORANDA EXPLORATION COMPANY, LIMITED
	OFFICE: Whitehorse

092928

19850N | 19900N | 19950N | 20000N | 20050N | 20100N | 20150N

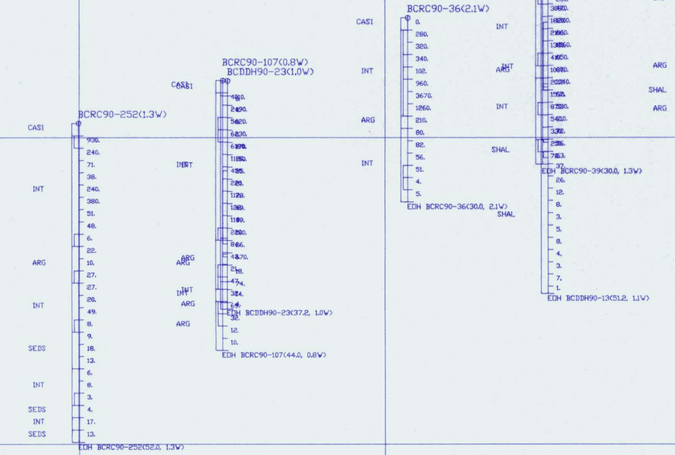
950ELEV

900ELEV

850ELEV

800ELEV

750ELEV

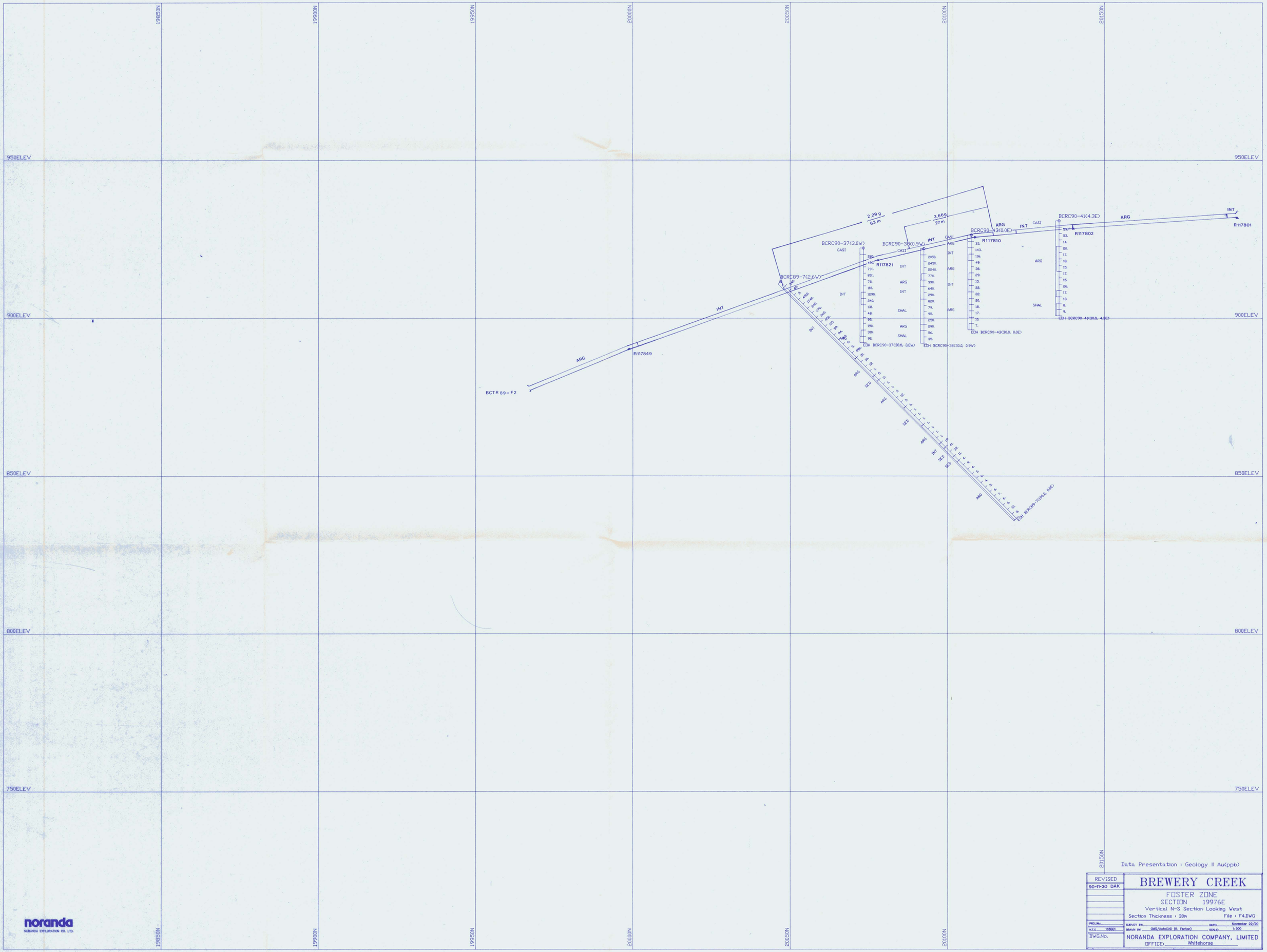


Data Presentation : Geology ll Au(ppb)

REVISED	BREWERY CREEK
	FOSTER ZONE
	SECTION 19997E
	Vertical N-S Section Looking West
	Section Thickness : 30m File : F5.DWG
PROJ.No.	SURVEY BY: DATE: November 22/90
N.T.S. 115I/01	DRAWN BY: GMS/AutoCAD (R. Fenton) SCALE: 1:500
DWG.No.	NORANDA EXPLORATION COMPANY, LIMITED
	OFFICE: Whitehorse

noranda
NORANDA EXPLORATION CO. LTD.

092928



Data Presentation : Geology ‖ Au(ppb)

REVISED
90-11-30 DAK
PROJ.No.
N.T.S. 116B/1
DWG.No.

BREWERY CREEK

FOSTER ZONE
SECTION 19976E
Vertical N-S Section Looking West
Section Thickness : 30m File : F4.DWG

SURVEY BY: DATE: November 22/90
DRAWN BY: CMS/AutoCAD (R. Fenton) SCALE: 1:500

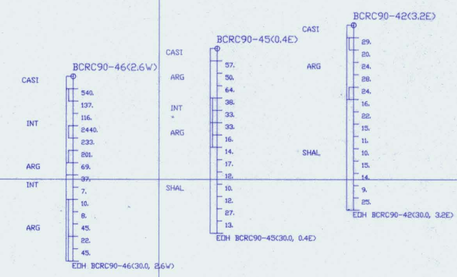
NORANDA EXPLORATION COMPANY, LIMITED
OFFICE: Whitehorse

noranda
NORANDA EXPLORATION CO. LTD.

092925

19850N | 19900N | 19950N | 20000N | 20050N | 20100N | 20150N

950ELEV
900ELEV
850ELEV
800ELEV
750ELEV



noranda
NORANDA EXPLORATION CO. LTD.

Data Presentation : Geology ll Au(ppb)

REVISED	BREWERY CREEK
	FOSTER ZONE
	SECTION 19954E
	Vertical N-S Section Looking West
	Section Thickness : 30m File : F3.DWG
PROJ.No.	SURVEY BY: DATE: November 22/90
N.T.S. 116B01	DRAWN BY: GMS/AutoCAD (R. Fenton) SCALE: 1:500
DWG.No.	NORANDA EXPLORATION COMPANY, LIMITED
	OFFICE: Whitehorse

092C 28

19850N | 19900N | 19950N | 20000N | 20050N | 20100N | 20150N

950ELEV

900ELEV

850ELEV

800ELEV

750ELEV

BCRC90-209(1.5W)
CASI
ARG
INT
INT
QFP
29.
10.
24.
63.
43.
18.
24.
13.
15.
3.
14.
25.
10.
13.
6.
7.
EOH BCRC90-209(34.0, 1.5W)

BCRC90-208(1.3W)
CASI
ARG
39.
24.
14.
12.
13.
5.
9.
5.
10.
13.
7.
11.
4.
3.
4.
3.
9.
13.
9.
7.
15.
26.
EOH BCRC90-208(46.0, 1.3W)

BCRC90-207(2.2E)
CASI
INT
INT
ARG
210.
66.
14.
6.
5.
18.
11.
11.
12.
6.
3.
9.
21.
18.
17.
7.
18.
15.
9.
8.
4.
11.
28.
9.
3.
13.
4.
18.
36.
EOH BCRC90-207(60.0, 2.2E)

BCRC90-216(1.5E)
CASI
INT
46.
61.
37.
9.
14.
15.
19.
12.
14.
10.
38.
83.
41.
12.
8.
4.
13.
49.
27.
19.
26.
25.
31.
47.
48.
18.
17.
7.
EOH BCRC90-216(58.0, 1.5E)

Data Presentation : Geology ‖ Au(ppb)

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NORANDA EXPLORATION CO. LTD.

REVISED	BREWERY CREEK
	FOSTER ZONE
	SECTION 19820E
	Vertical N-S Section Looking West
	Section Thickness : 30m File : F2.DWG
PROJ.No.	SURVEY BY: DATE: November 22/90
N.T.S. 116B01	DRAWN BY: QMS/AutoCAD (R. Fenton) SCALE: 1:500
DWG.No.	NORANDA EXPLORATION COMPANY, LIMITED
	OFFICE: Whitehorse

092923

19850N 19900N 19950N 20000N 20050N 20100N 20150N

950ELEV 900ELEV 850ELEV 800ELEV 750ELEV

BCRC90-32(1.9E)
DVBR
DVBR
EOH BCRC90-32(150. 1.9E)

BCRC90-33(5.1W)
BCDDH90-12(5.1W)
CASI DVBR
DVBR
SHAL
ARG
INT
ARG
INT
ARG
INT
ARG
EOH BCRC90-33(120. 5.1W)
EOH BCDDH90-12(47.5, 5.1W)

BCRC90-34(1.7W)
CASI
FLOA
INT
ARG
INT
ARG
INT
INT
EOH BCRC90-34(32.0, 1.7W)

BCRC 89-6(15.85E)
BCRC90-35(1.6E)
CASI
DVBR
ARG
INT
EOH BCRC90-35(32.0, 1.6E)

BCTR 90 - F3
BCRC90-206(3.6E)
CASI
ARG
INT
ARG
INT
ARG
EOH BCRC90-206(32.0, 3.6E)

INT
ROAD
ARG
INT
ARG
INT
ARG
INT
ARG
R120460
R120451
R120427
R120417
R120411
EOH BCRC89-4(130.0, 15.8W)

Data Presentation : Geology ll Au(ppb)

REVISED
90-12-03 DAK

BREWERY CREEK

FOSTER ZONE
SECTION 19770E
Vertical N-S Section Looking West
Section Thickness : 30m File : FLDWG

PROJ.No. 116901
KT.S.
DWG.No.

SURVEY BY: DATE: November 22/90
DRAWN BY: QMS/AutoCAD (R. Fenton) SCALE: 1:500

NORANDA EXPLORATION COMPANY, LIMITED
OFFICE: Whitehorse

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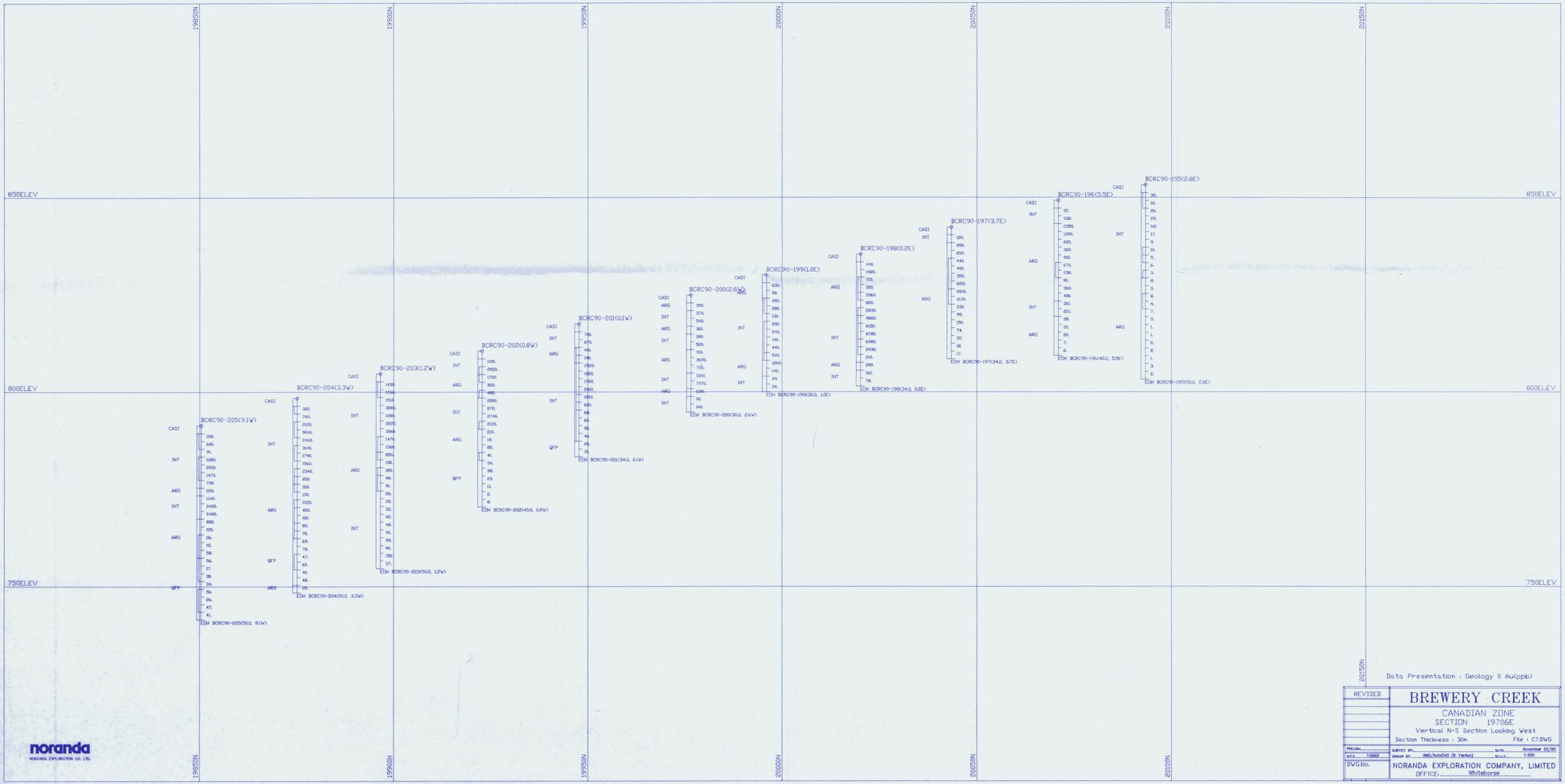
NORANDA EXPLORATION CO. LTD.

092928



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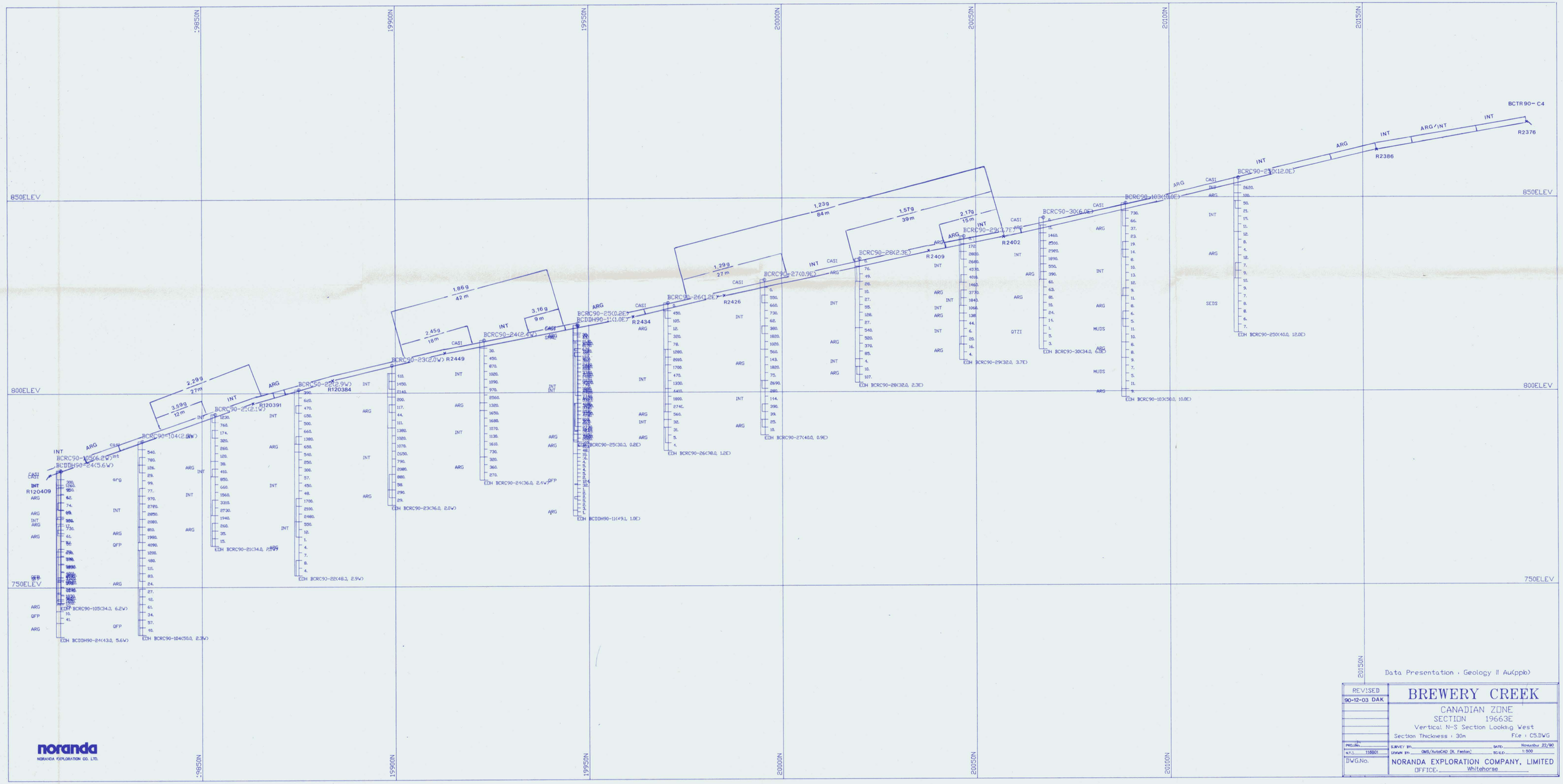
Data Presentation : Geology ‖ Au(ppb)

REVISED	BREWERY CREEK
	CANADIAN ZONE
	SECTION 19706E
	Vertical N-S Section Looking West
	Section Thickness : 30m File : C7.DWG
PROJN.	SURVEY BY. DATE. November 22/90
N.T.S. 116B01	DRAWN BY. GMS/AutoCAD (R. Fenton) SCALE. 1:500
DWG.No.	NORANDA EXPLORATION COMPANY, LIMITED
	OFFICE. Whitehorse

092928



Data Presentation : Geology ll Au(ppb)

REVISED	BREWERY CREEK
90-12-03 DAK	CANADIAN ZONE
	SECTION 19663E
	Vertical N-S Section Looking West
	Section Thickness : 30m File : C5.DWG
PROJN.	SURVEY BY: DATE: November 22/90
N.T.S. 116B01	DRAWN BY: GMS/AutoCAD (K. Fenton) SCALE: 1:500
DWG.No.	NORANDA EXPLORATION COMPANY, LIMITED
	OFFICE: Whitehorse

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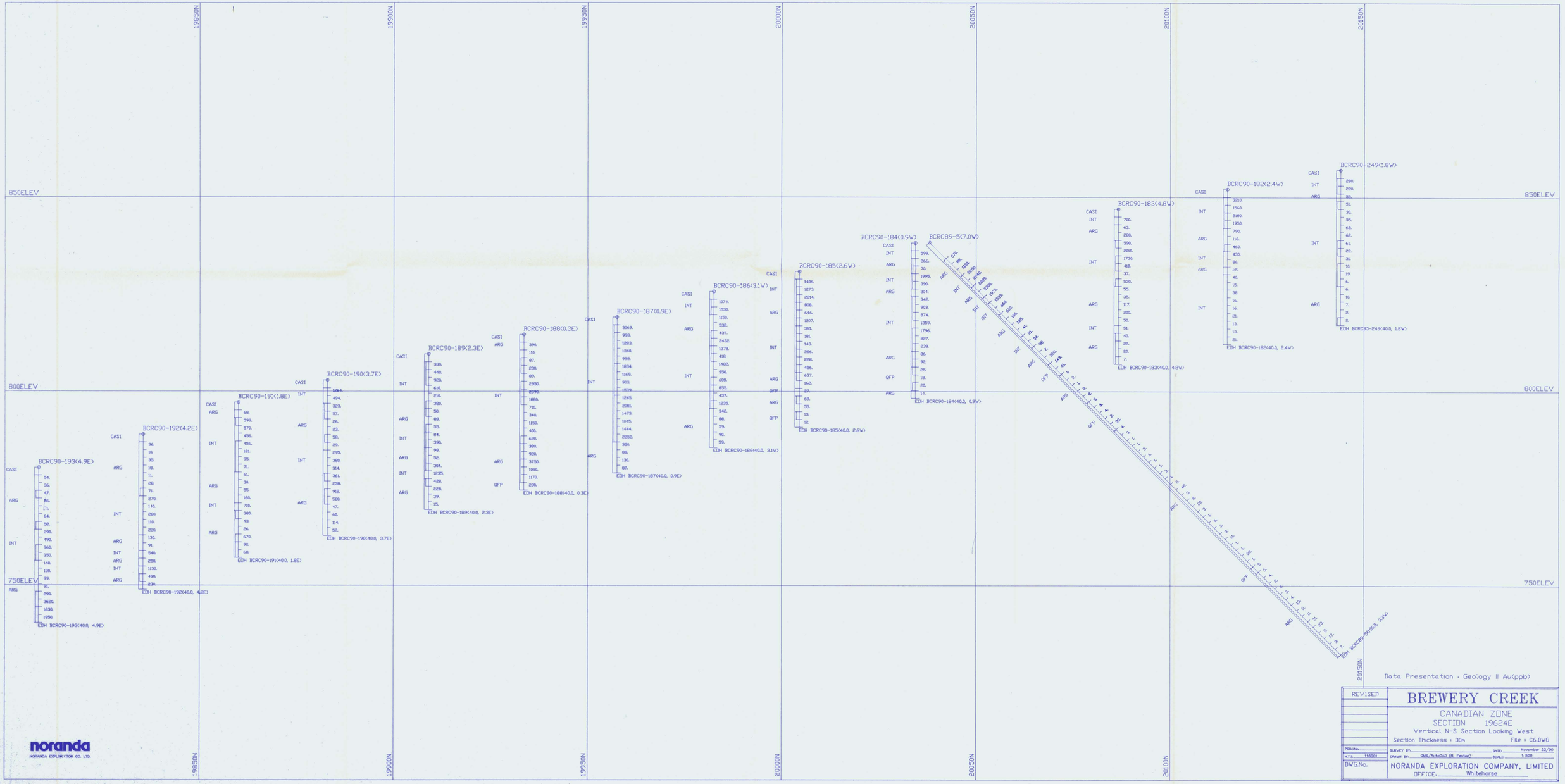
NORANDA EXPLORATION CO. LTD.

092928



Data Presentation : Geology ‖ Au(ppb)

REVISED

BREWERY CREEK

CANADIAN ZONE

SECTION 19624E

Vertical N-S Section Looking West

Section Thickness : 30m File : C6.DWG

PROJ.No. _____ SURVEY BY: _____ DATE: November 22/90

N.T.S. 116B01 DRAWN BY: GMS/AutoCAD (R. Fenton) SCALE: 1:500

DWG.No.

NORANDA EXPLORATION COMPANY, LIMITED

OFFICE: Whitehorse

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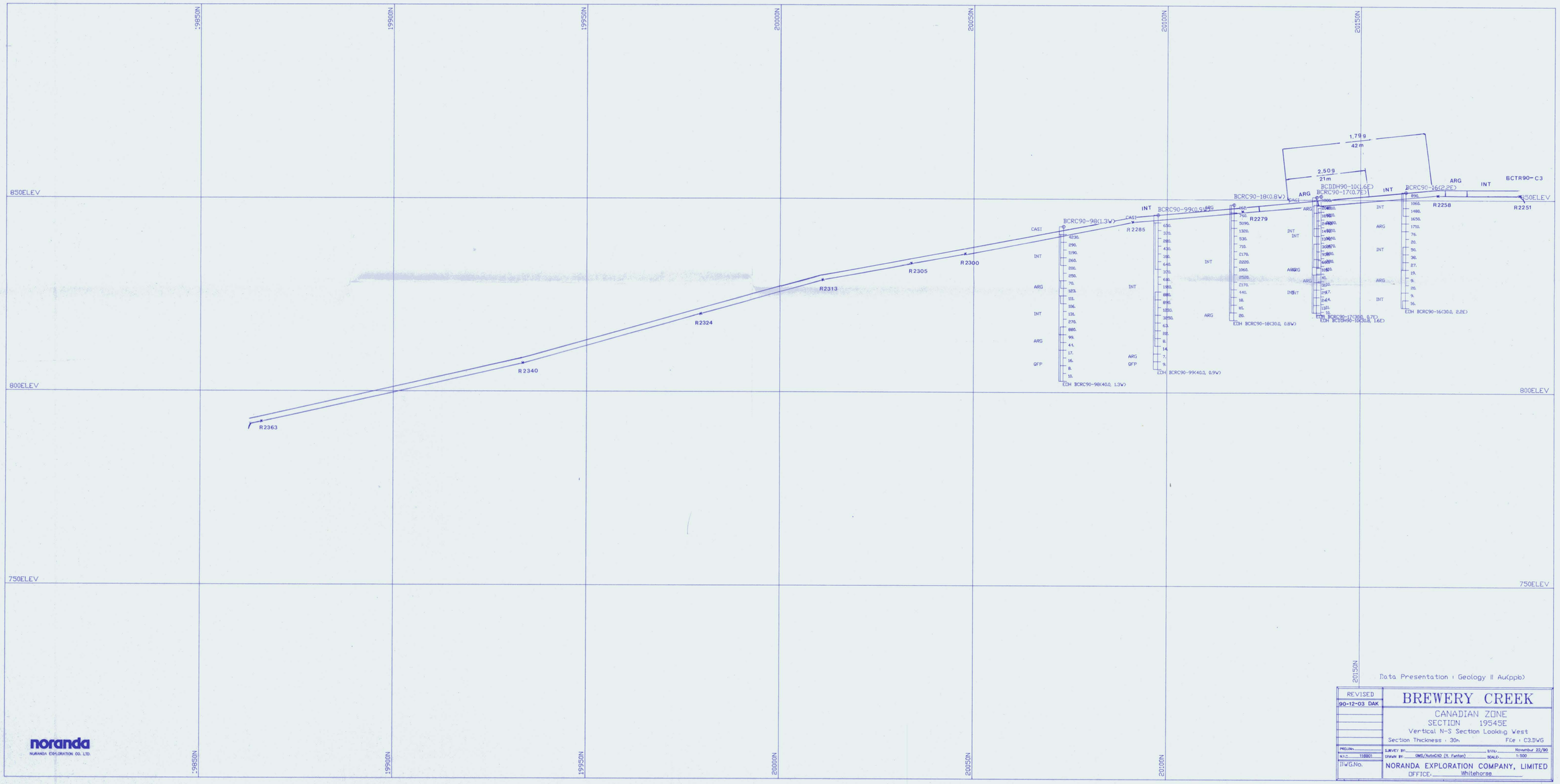
092928

19850N
19900N
19950N
20000N
20050N
20100N
20150N
20200N
850ELEV
800ELEV
750ELEV
1.46 g
114 m
2.37 g
48 m
BC89-7(4.4W)
BCRC90-19(6.6W)
BC89-4(9.7E)
BC89-8(0.0E)
BCRC90-20(4.5W)
BC89-9(3.5E)
BCTR89-C1
R118508
R118489
R118469
R118451
R118440
R118423
R118401
R118384
INT
ARG
GFP
CASI
noranda
NORANDA EXPLORATION CO. LTD.
Data Presentation : Geology II Au(ppb)
REVISED
90-12-03 DAK
BREWERY CREEK
CANADIAN ZONE
SECTION 19588E
Vertical N-S Section Looking West
Section Thickness : 30m
File : C4.DWG
PROJ.No.
N.T.S. 116B01
DWG.No.
SURVEY BY:
DATE: November 22/90
DRAWN BY: GMS/AutoCAD (R. Fenton)
SCALE: 1:500
NORANDA EXPLORATION COMPANY, LIMITED
OFFICE: Whitehorse

092928



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Data Presentation : Geology ll Au(ppb)

REVISED
90-12-03 DAK

BREWERY CREEK

CANADIAN ZONE
SECTION 19545E
Vertical N-S Section Looking West
Section Thickness : 30m File : C3.DWG

PROJ.No. 116801
N.T.S.
DWG.No.

SURVEY BY: DATE: November 22/90
DRAWN BY: GMS/AutoCAD (S. Fenton) SCALE: 1:500

NORANDA EXPLORATION COMPANY, LIMITED
OFFICE: Whitehorse

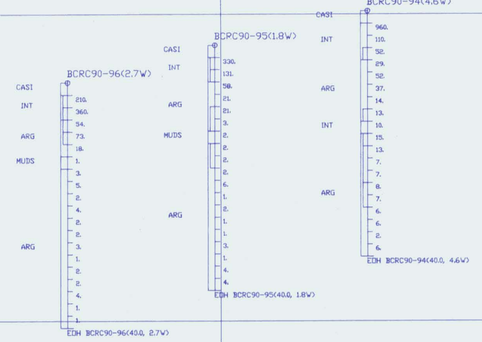
092928

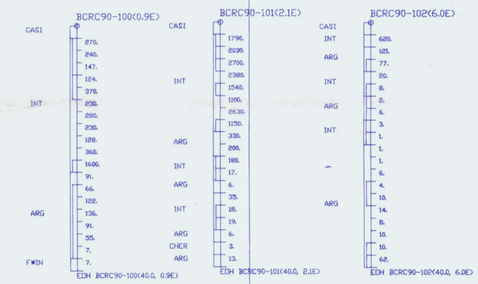
19850N 19900N 19950N 20000N 20050N 20100N 20150N

850ELEV

800ELEV

750ELEV





Data Presentation : Geology II Au(ppb)

REVISED	BREWERY CREEK
	CANADIAN ZONE
	SECTION 19482E
	Vertical N-S Section Looking West
	Section Thickness : 30m File : C2.DWG
PROJ.No.	SURVEY BY: DATE: November 22/90
N.T.S. 116B01	DRAWN BY: GMS/AutoCAD (R. Fenton) SCALE: 1:500
DWG.No.	NORANDA EXPLORATION COMPANY, LIMITED
	OFFICE: Whitehorse

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Data Presentation : Geology II Au(ppb)

REVISED	BREWERY CREEK
90-12-03 DAK	CANADIAN ZONE SECTION 19435E Vertical N-S Section Looking West Section Thickness : 30m File : C1.DWG
PRT.J.No.	SURVEY BY: DATE: November 22/90
N.T.S. 116B01	DRAWN BY: GMS/AutoCAD (R. Fenton) SCALE: 1:500
DWG.No.	NORANDA EXPLORATION COMPANY, LIMITED OFFICE: Whitehorse

092923

20250N
20300N
20350N
20400N
20450N

850ELEV
800ELEV
750ELEV

BCRC89-14(3.3E)
EOH BCRC89-14(84.0, 4.8E)

BCRC90-241(0.2E)
EOH BCRC90-241(40.0, 0.2E)

BCRC90-240(0.2W)
EOH BCRC90-240(52.0, 0.2W)

Data Presentation : Geology II Au(ppb)

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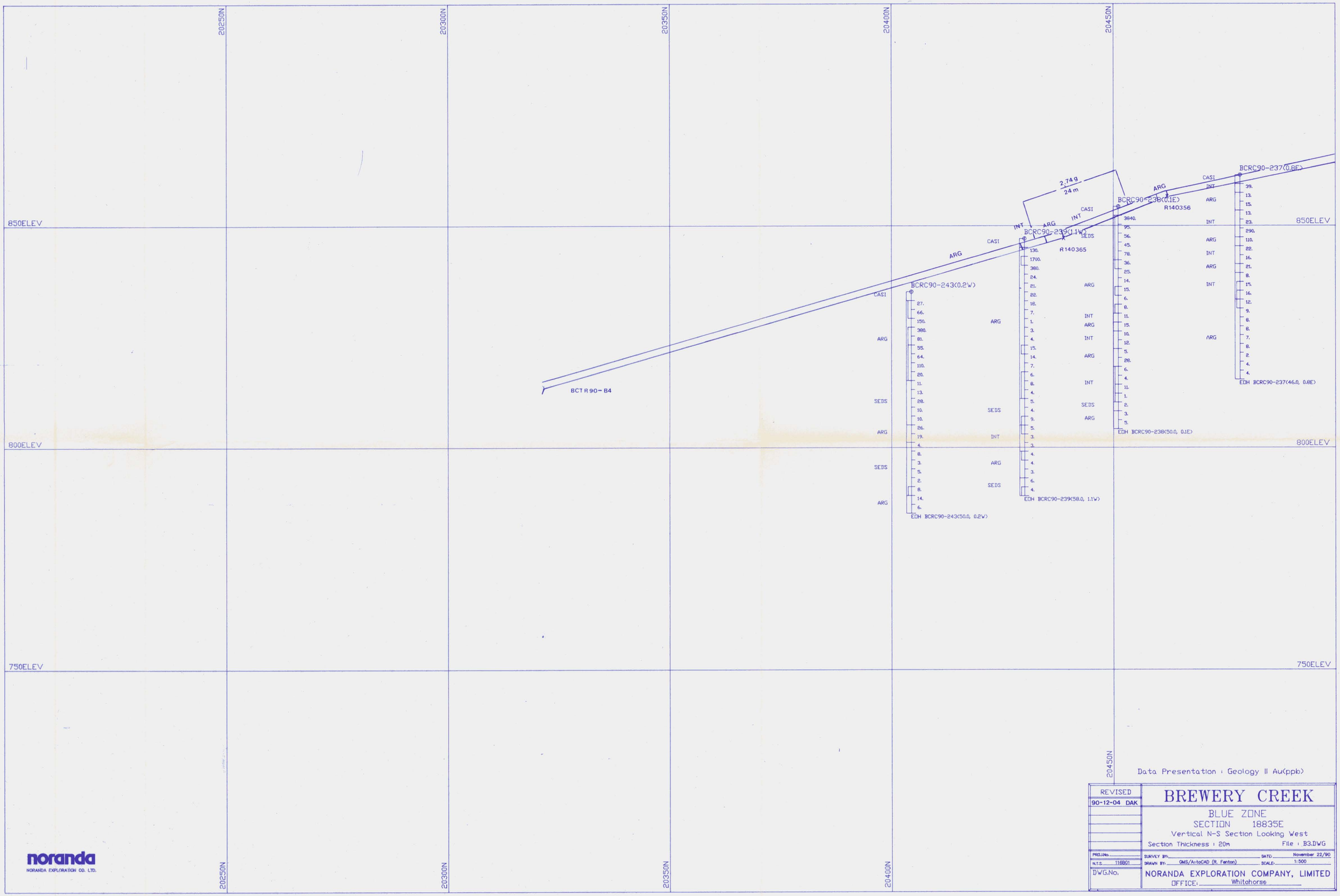
REVISED	BREWERY CREEK
	BLUE ZONE
	SECTION 18883E
	Vertical N-S Section Looking West
	Section Thickness : 20m File : B4.DWG
PROJ.No.	SURVEY BY: DATE: November 22/90
N.T.S. 116B01	DRAWN BY: CMS/AutoCAD (R. Fenton) SCALE: 1:500
DWG.No.	NORANDA EXPLORATION COMPANY, LIMITED
	OFFICE: Whitehorse

092928



Data Presentation : Geology ll Au(ppb)

REVISED	BREWERY CREEK
90-12-04 DAK	BLUE ZONE
	SECTION 18835E
	Vertical N-S Section Looking West
	Section Thickness : 20m — File : B3.DWG
PROJ.No.	SURVEY BY: — DATE: November 22/90
N.T.S. 116B01	DRAWN BY: QMS/AutoCAD (R. Fenton) — SCALE: 1:500
DWG.No.	NORANDA EXPLORATION COMPANY, LIMITED
	OFFICE: Whitehorse

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092928

20250N 20300N 20350N 20400N 20450N

850ELEV

800ELEV

750ELEV

BCTR90-B3

ARG R140339 ARG R140335 INT R140320 INT R140305 ARG R140301

1.43g/3m CASI INT

BCRC90-246(1.8E)

EOH BCRC90-246(40.0, 1.8E)

BCRC90-242(3.9E)

EOH BCRC90-242(40.0, 3.9E)

BCRC90-244(2.9E)

EOH BCRC90-244(46.0, 2.9E)

BCRC90-245(8.0W)

EOH BCRC90-245(40.0, 8.0W)

Data Presentation : Geology II Au(ppb)

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NORANDA EXPLORATION CO. LTD.

REVISED
90-12-03 DAK

BREWERY CREEK

BLUE ZONE
SECTION 18773E
Vertical N-S Section Looking West
Section Thickness : 20m File : B2.DWG

PROJ.No.
N.T.S. 116B01
DWG.No.

SURVEY BY: DATE: November 22/90
DRAWN BY: GMS/AutoCAD (R. Fenton) SCALE: 1:500

NORANDA EXPLORATION COMPANY, LIMITED
OFFICE: Whitehorse

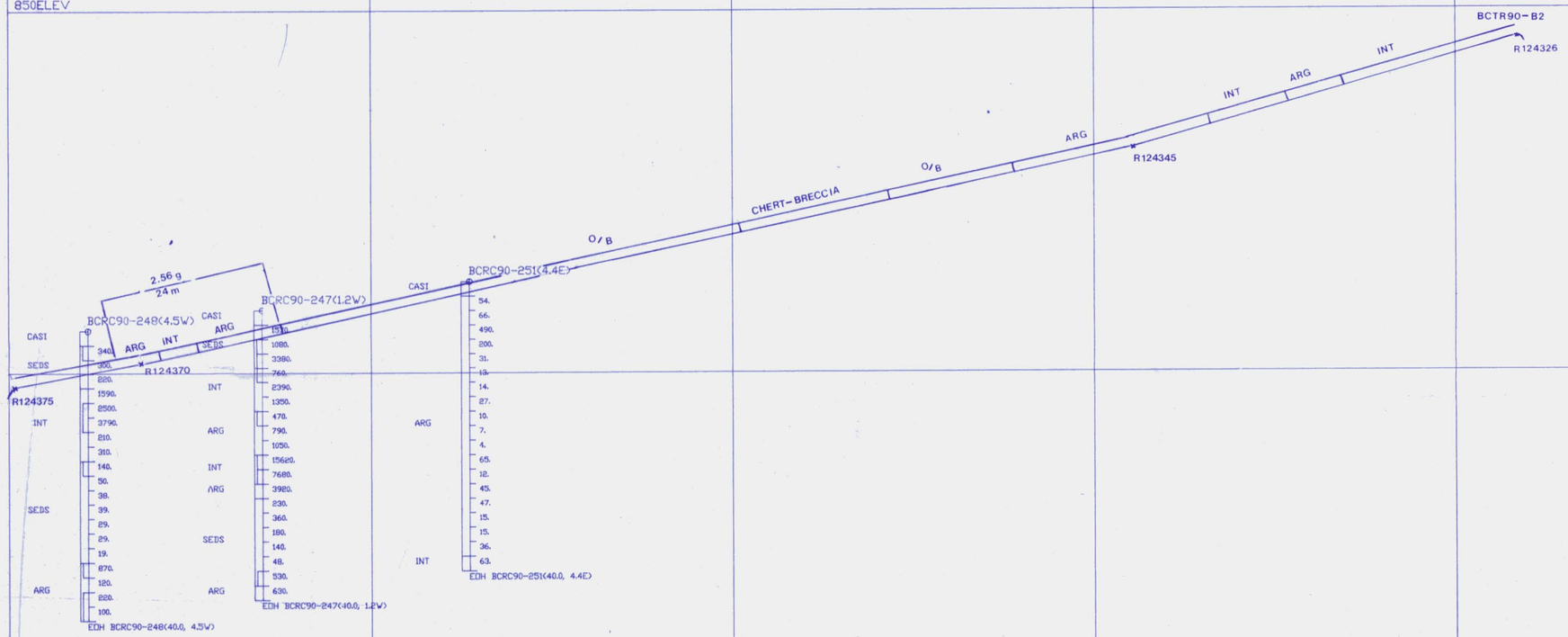
092928

20250N 20300N 20350N 20400N 20450N

850ELEV

800ELEV

750ELEV



noranda
NORANDA EXPLORATION CO. LTD.

Data Presentation : Geology II Au(ppb)

REVISED
90-12-03 DAK

BREWERY CREEK

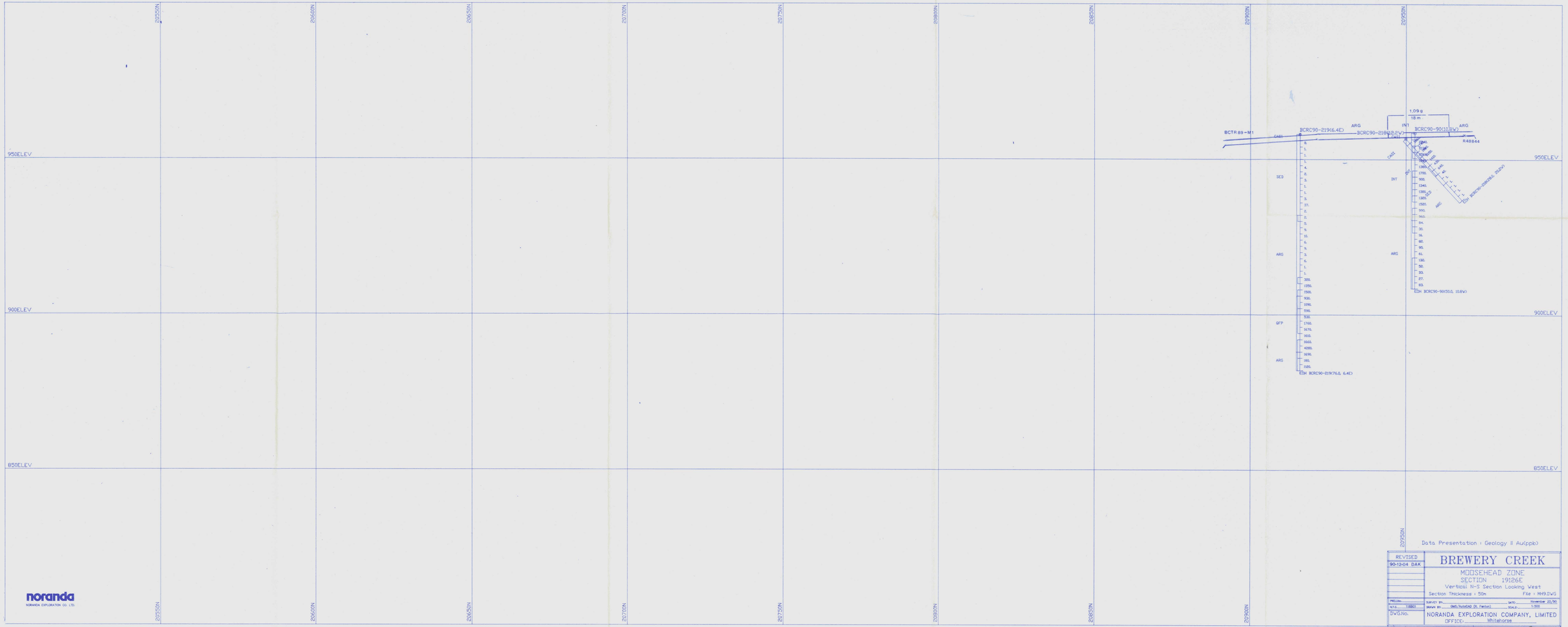
BLUE ZONE
SECTION 18421E
Vertical N-S Section Looking West
Section Thickness : 20m File : B1.DWG

PROJ.No.
N.T.S. 116B01
DWG.No.

SURVEY BY: DATE: November 22/90
DRAWN BY: GMS/AutoCAD (R. Fentn) SCALE: 1:500

NORANDA EXPLORATION COMPANY, LIMITED
OFFICE: Whitehorse

092928



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Data Presentation \ Geology \\ Au(ppb)

REVISED
90-12-04 DAK

BREWERY CREEK

MOOSEHEAD ZONE
SECTION 19126E
Vertical N-S Section Looking West
Section Thickness ± 50m File : MH9.DWG

PROJ.No. 90-8 138801
DWG.No.

SURVEY BY:_____ DATE:_____ November 22/90
DRAWN BY:_____ GMS/AutoCAD (R. Fenton) SCALE:_____ 1:500

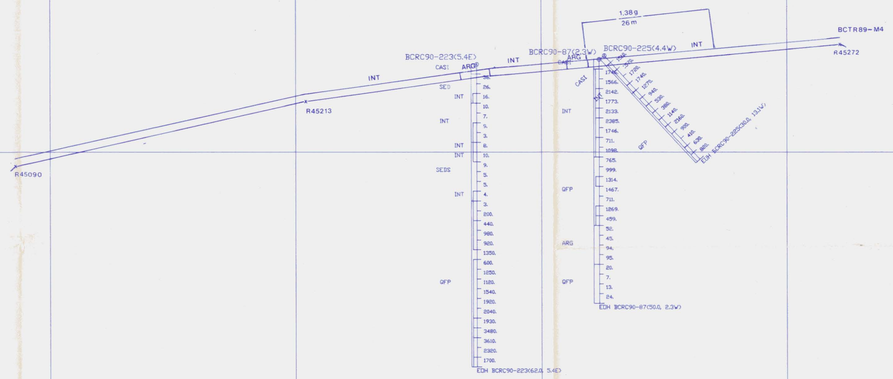
NORANDA EXPLORATION COMPANY, LIMITED
OFFICE:_____ Whitehorse

092928

20550N
20600N
20650N
20700N
20750N
20800N
20850N
20900N
20950N
950ELEV
900ELEV
850ELEV
1.49g
17 m
INT
BCRC90-221(7.1E)
BCRC90-220(4.0W)
BCRC90-89(3.5W)
BCTR89-M2
ARG
INT
ARG
CASI
R47003
SEDS
SED
VOLC
MUDS
QFP
EOH BCRC90-221(68.0, 7.1E)
EOH BCRC90-89(50.0, 3.5W)
EOH BCRC 90-220(50, 24W)
noranda
NORANDA EXPLORATION CO. LTD.
Data Presentation : Geology II Au(ppb)
REVISED
90-12-04 DAK
BREWERY CREEK
MOOSEHEAD ZONE
SECTION 19080E
Vertical N-S Section Looking West
Section Thickness : 30m
File : MH8.DWG
PROJ.No.
N.T.S. 116B01
DWG.No.
SURVEY BY:
DATE: November 22/90
DRAWN BY: GMS/AutoCAD (R. Fenton)
SCALE: 1:500
NORANDA EXPLORATION COMPANY, LIMITED
OFFICE: Whitehorse
092928

20550N
20600N
20650N
20700N
20750N
20800N
20850N
20900N
20950N
950ELEV
900ELEV
850ELEV
BCTR89-M3
BC89-2(5.7E)
R39964
BCRC90-222(11.4E)
R48821
BCRC90-88(1.1W)
BCRC90-224(2.6W)
BC89-1(9.1W)
1.77g
22m
INT
ARG
CASI
SEDS
QFP
VOL
TUFF
SED ARG
MUDS
FAUL
EOH BCRC90-222(52.0, 11.4E)
EOH BCRC90-88(50.0, 1.1W)
EOH BCRC90-224(32.0, 11.8W)
EOH BC89-1(100.9, 8.2E)
BC89-2(15.0W)
187m
noranda
NORANDA EXPLORATION CO. LTD.
Data Presentation : Geology II Au(ppb)
REVISED
90-12-04 DAK
BREWERY CREEK
MOOSEHEAD ZONE
SECTION 19035E
Vertical N-S Section Looking West
Section Thickness : 30m
File : MH7.DWG
PROJ.No.
N.T.S. 116B01
DWG.No.
SURVEY BY:
DRAWN BY: GMS/AutoCAD (R. Fenton)
DATE: November 22/90
SCALE: 1:500
NORANDA EXPLORATION COMPANY, LIMITED
OFFICE: Whitehorse

092928



2105000N 2106000N 2106500N 2107000N 2107500N 2108000N 2108500N 2109000N 2109500N

950ELEV

900ELEV

850ELEV

Data Presentation : Geology ‖ Au(ppb)

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REVISED
90-12-04 DAK

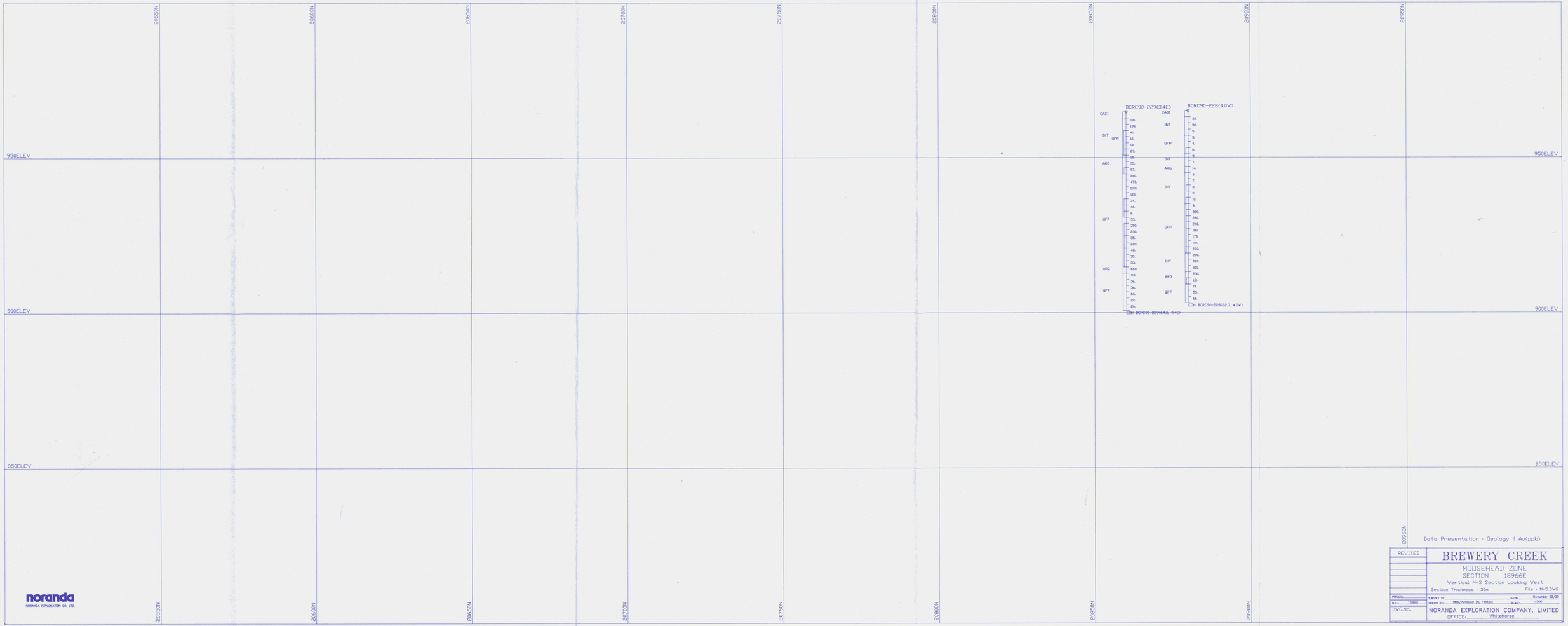
BREWERY CREEK

MOOSEHEAD ZONE
SECTION 18999E
Vertical N-S Section Looking West
Section Thickness : 30m File : MH6.DWG

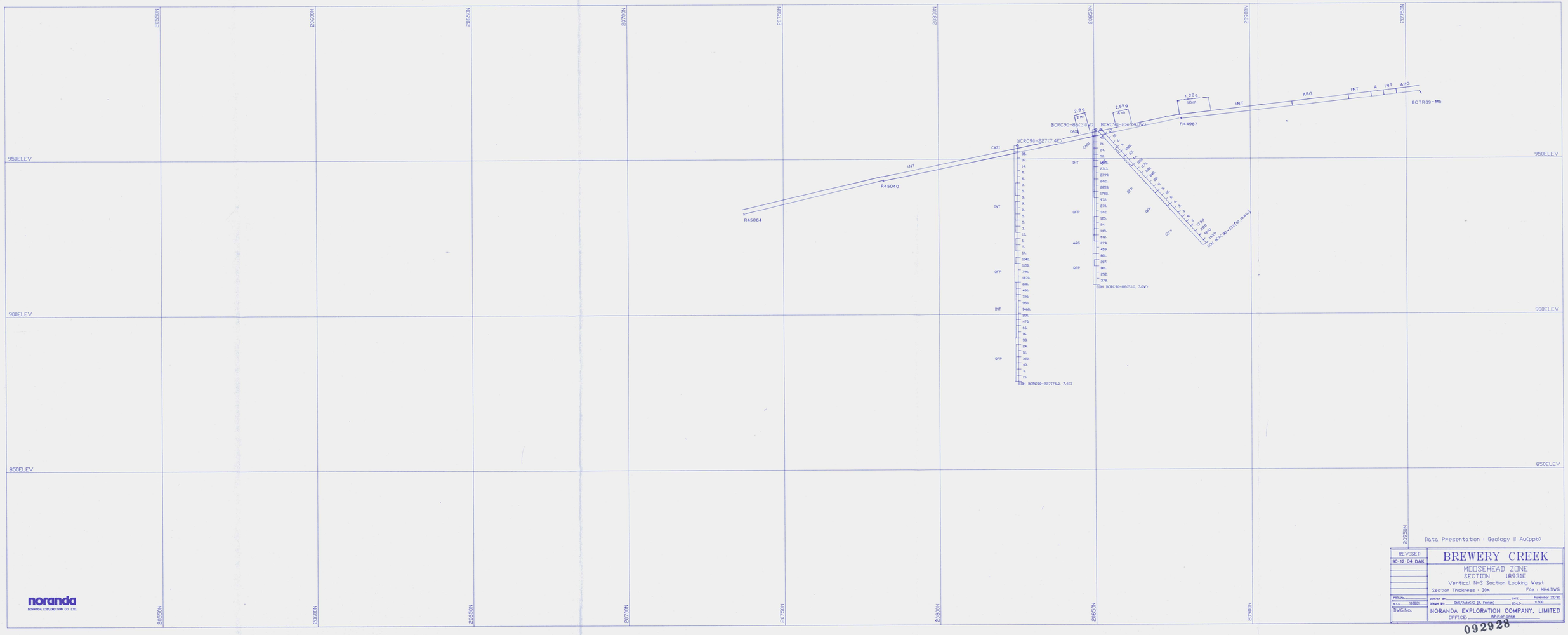
GRID No.	
N.T.S. 116B01	
DWG.No.	
SURVEY BY:	DATE: November 22/90
DRAWN BY: GMS/AutoCAD (R. Fenlon)	SCALE: 1:500

NORANDA EXPLORATION COMPANY, LIMITED
OFFICE: Whitehorse

092928


20550N
20600N
20650N
20700N
20750N
20800N
20850N
20900N
20950N
950ELEV
900ELEV
850ELEV
BCRC90-229(3.4E)
CASI
INT
QFP
ARG
QFP
ARG
QFP
100.
195.
41.
16.
14.
69.
98.
55.
97.
240.
470.
1055.
185.
34.
40.
6.
33.
205.
255.
35.
225.
48.
30.
53.
660.
110.
30.
36.
66.
20.
26.
EOH BCRC90-229(64.0-9.4E)
BCRC90-228(4.0W)
CASI
INT
QFP
INT
ARG
INT
QFP
INT
ARG
QFP
35.
90.
5.
3.
4.
6.
8.
7.
14.
3.
7.
6.
8.
16.
9.
296.
288.
240.
180.
175.
110.
270.
290.
288.
200.
230.
68.
19.
53.
66.
EOH BCRC90-228(62.2-4.0W)
Data Presentation - Geology & Au(ppb)
REVISED
BREWERY CREEK
MOOSEHEAD ZONE
SECTION 18966E
Vertical N-S Section Looking West
Section Thickness - 30m
File - MHS.DWG
PROJ.No.
DWG.No.
SURV. BY
November 22/90
DRAWN BY
DMS/AutoCAD (R. Fenton)
SCALE
1:500
NORANDA EXPLORATION COMPANY, LIMITED
OFFICE
Whitehorse
noranda
NORANDA EXPLORATION CO. LTD.

092928



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NORANDA EXPLORATION CO. LTD.

Data Presentation : Geology || Au(ppb)

REVISED
90-12-04 DAK

BREWERY CREEK

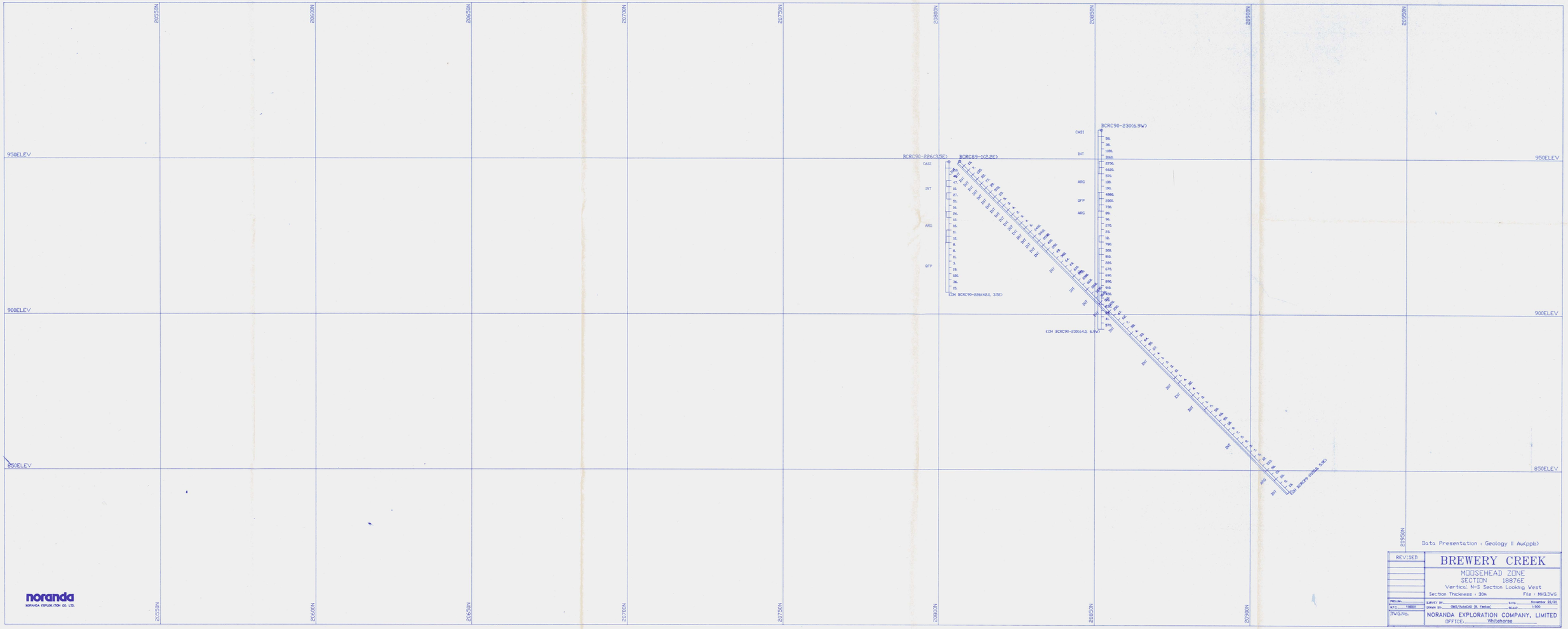
MOOSEHEAD ZONE
SECTION 18931E
Vertical N-S Section Looking West
Section Thickness : 20m File : MH4.DWG

MET.No.	
N.T.S. 116B/1	
DWG No.	

SURVEY BY: DATE: November 22/90
DRAWN BY: CMS/AutoCAD (R. Fenton) SCALE: 1:500

NORANDA EXPLORATION COMPANY, LIMITED
OFFICE: Whitehorse

092928



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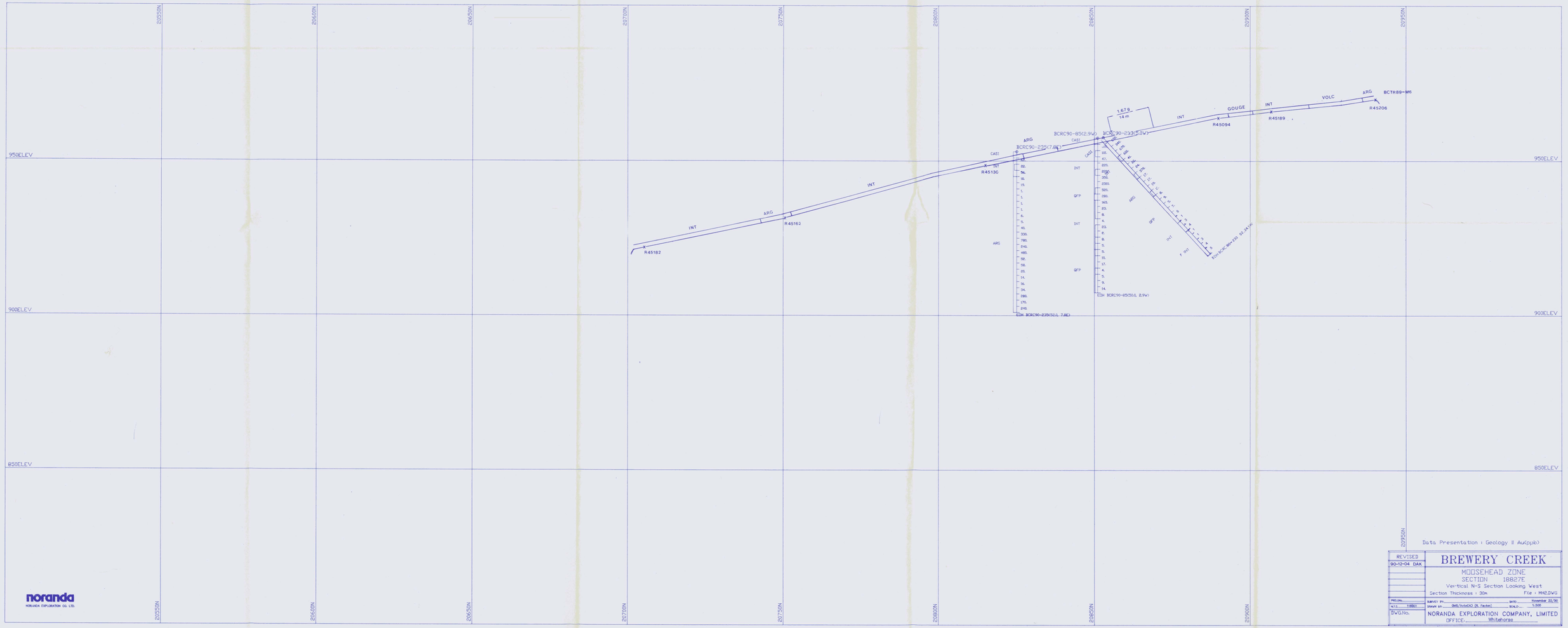
Data Presentation : Geology # Au(ppb)

REVISED	BREWERY CREEK
	MOOSEHEAD ZONE
	SECTION 18876E
	Vertical N-S Section Looking West
	Section Thickness : 30m File : MH3.DWG
PRELIM.	SURVEY BY: ____ DATE: November 22/90
N.T.S. 1:1000	DRAWN BY: GMS/AutoCAD 12 Series SCALE: 1:500
DWG.No.	NORANDA EXPLORATION COMPANY, LIMITED
	OFFICE: Whitehorse

092928 092928



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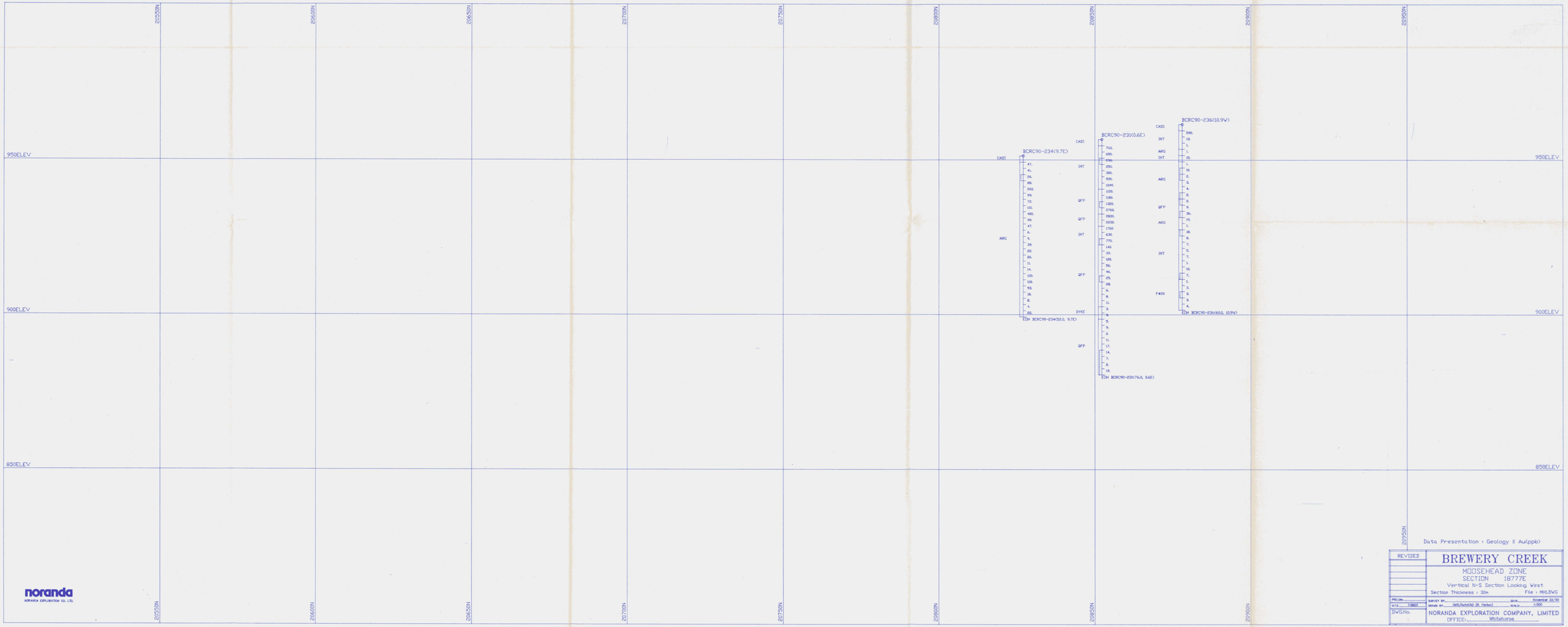
NORANDA EXPLORATION CO. LTD.

Data Presentation : Geology II Au(ppb)

REVISED	BREWERY CREEK
90-12-04 DAK	MOOSEHEAD ZONE
	SECTION 18827E
	Vertical N-S Section Looking West
	Section Thickness : 30m File : M42.DWG
PROJ.No.	SURVEY BY: DATE: November 20/90
N.T.S. 116BO	DRAWN BY: CMS/AutoCAD (R. Fenton) SCALE: 1:500
DWG.No.	NORANDA EXPLORATION COMPANY, LIMITED
	OFFICE: Whitehorse

092928


2055N
2060N
2065N
2070N
2075N
2080N
2085N
2090N
2095N
950ELEV
900ELEV
850ELEV
BCRC90-234(9.7E)
BCRC90-234(52.0, 9.7E)
BCRC90-231(0.6E)
BCRC90-231(76.0, 0.6E)
BCRC90-236(10.9W)
BCRC90-236(60.0, 10.9W)
CASI
INT
ARG
QFP
DYKE
FWCN
Data Presentation : Geology II Au(ppb)
REVISED
BREWERY CREEK
MOOSEHEAD ZONE
SECTION 18777E
Vertical N-S Section Looking West
Section Thickness : 20m
File : MHLD.DWG
PROJ.No. 118021
DWG.No.
SURVEY BY:
DRAWN BY: DMS/AutoCAD (R. Fenton)
DATE: November 22/90
SCALE: 1:500
NORANDA EXPLORATION COMPANY, LIMITED
OFFICE: Whitehorse
noranda
NORANDA EXPLORATION CO. LTD.

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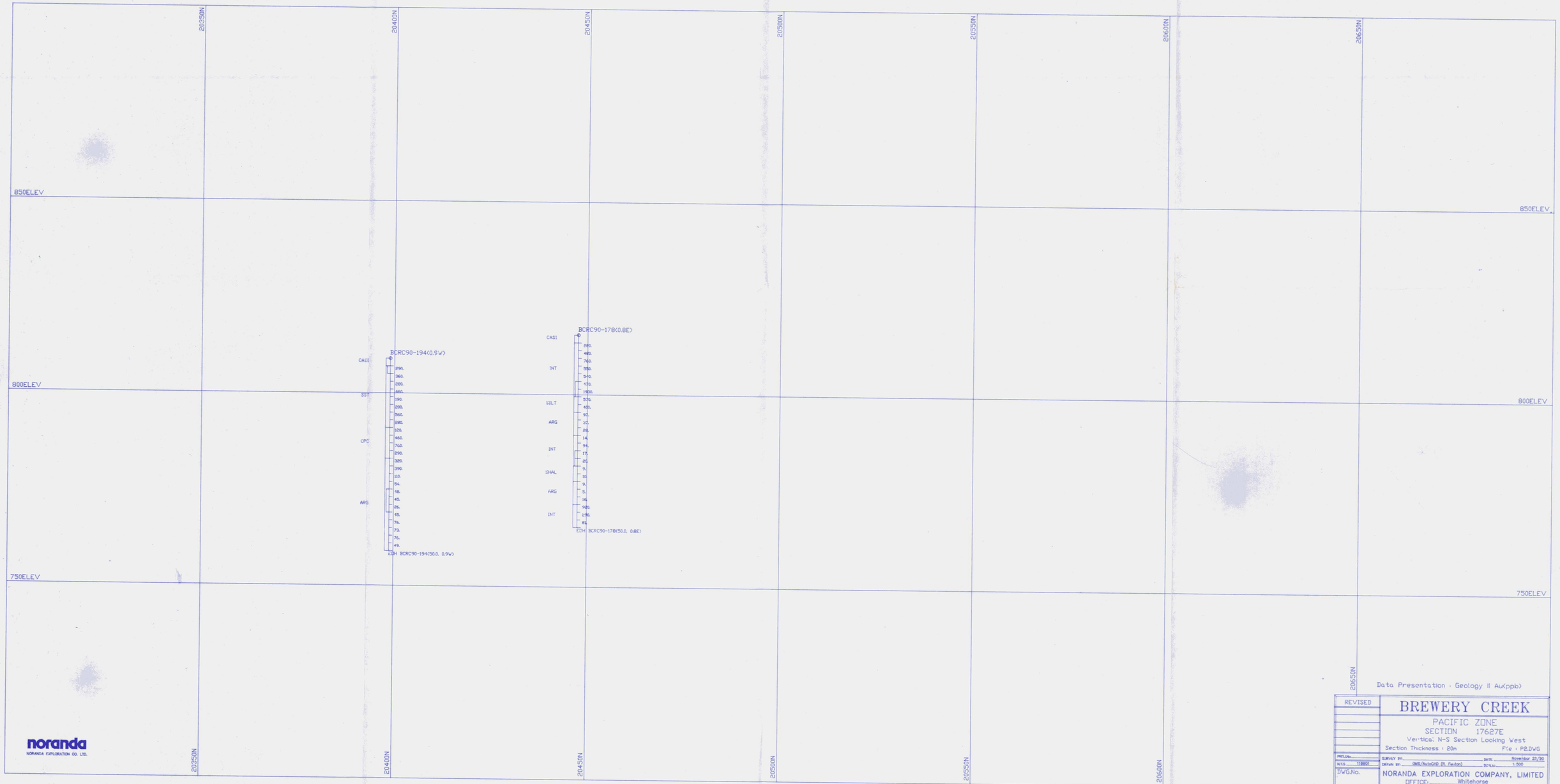
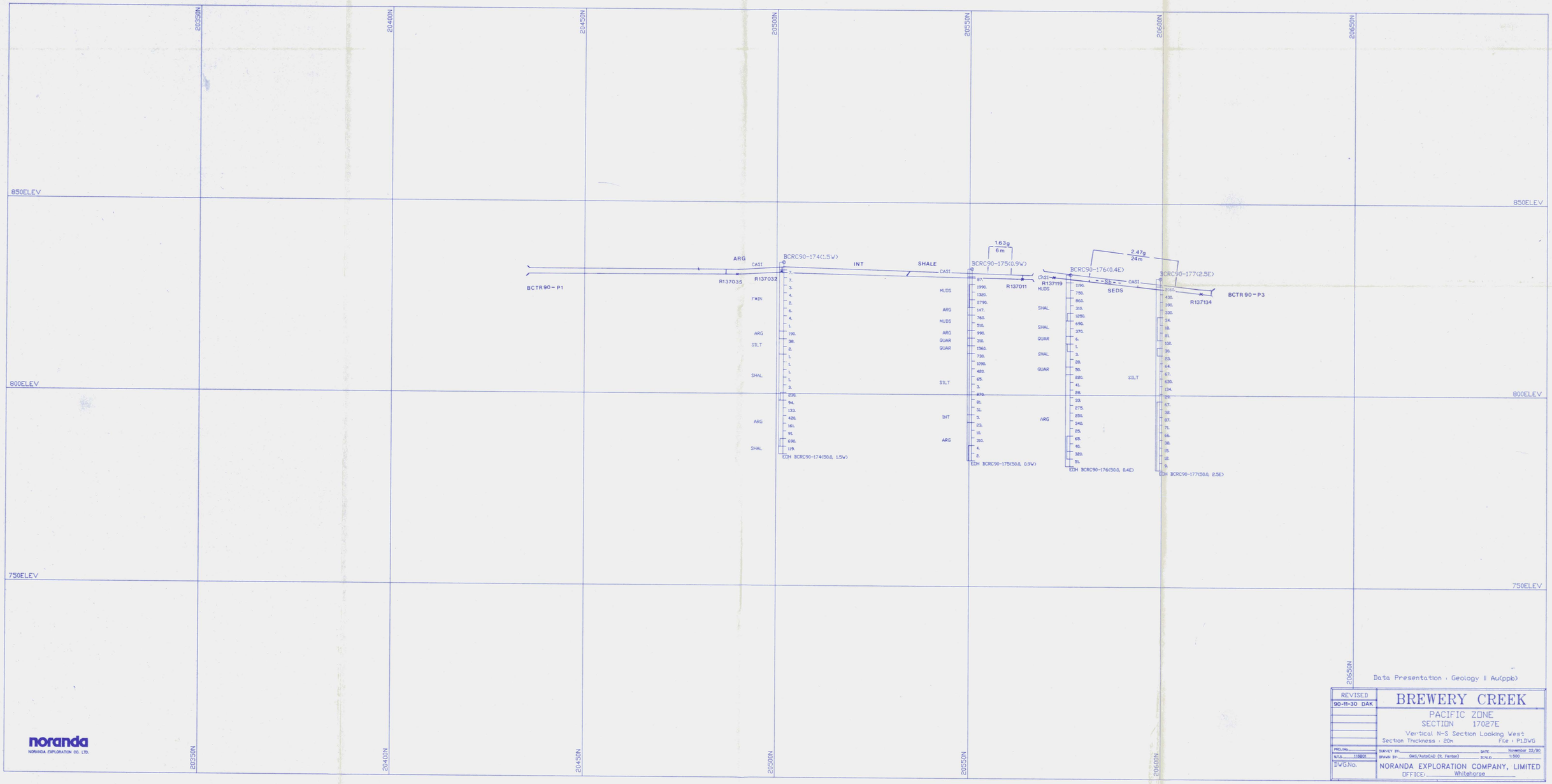


noranda
NORANDA EXPLORATION CO. LTD.

Data Presentation : Geology ll Au(ppb)

REVISED	BREWERY CREEK
	PACIFIC ZONE
	SECTION 17627E
	Vertical N-S Section Looking West
	Section Thickness : 20m File : P2.DWG
PROJECT No.	SURVEY BY: ____ DATE: November 29/90
N.T.S. 116B01	DRAWN BY: GMS/AutoCAD (R. Fenton) SCALE: 1:500
DWG.No.	NORANDA EXPLORATION COMPANY, LIMITED
	OFFICE: Whitehorse

092928



noranda
NORANDA EXPLORATION CO. LTD.

Data Presentation : Geology ‖ Au(ppb)

REVISED
90-11-30 DAK
PROJ.No.
N.T.S. 116B01
DWG.No.

BREWERY CREEK

PACIFIC ZONE
SECTION 17027E
Vertical N-S Section Looking West
Section Thickness : 20m File : P1.DWG

SURVEY BY: DATE: November 22/90
DRAWN BY: GMS/AutoCAD (R. Fenton) SCALE: 1:500

NORANDA EXPLORATION COMPANY, LIMITED
OFFICE: Whitehorse

092928

VOLUME I

1990 GEOCHEMICAL ANALYSIS CERTIFICATES

092928

FOR THE

092928

LEE 1-87, EEL 1-193, 195-274
ELE 1-80 & FLEE 1-104 CLAIMS

CONFIDENTIAL

Dawson Mining [illegible]
N.T.S.: 116 [illegible]
Latitude: 64 03'
Longitude: 138 15'

Gordon MacKay

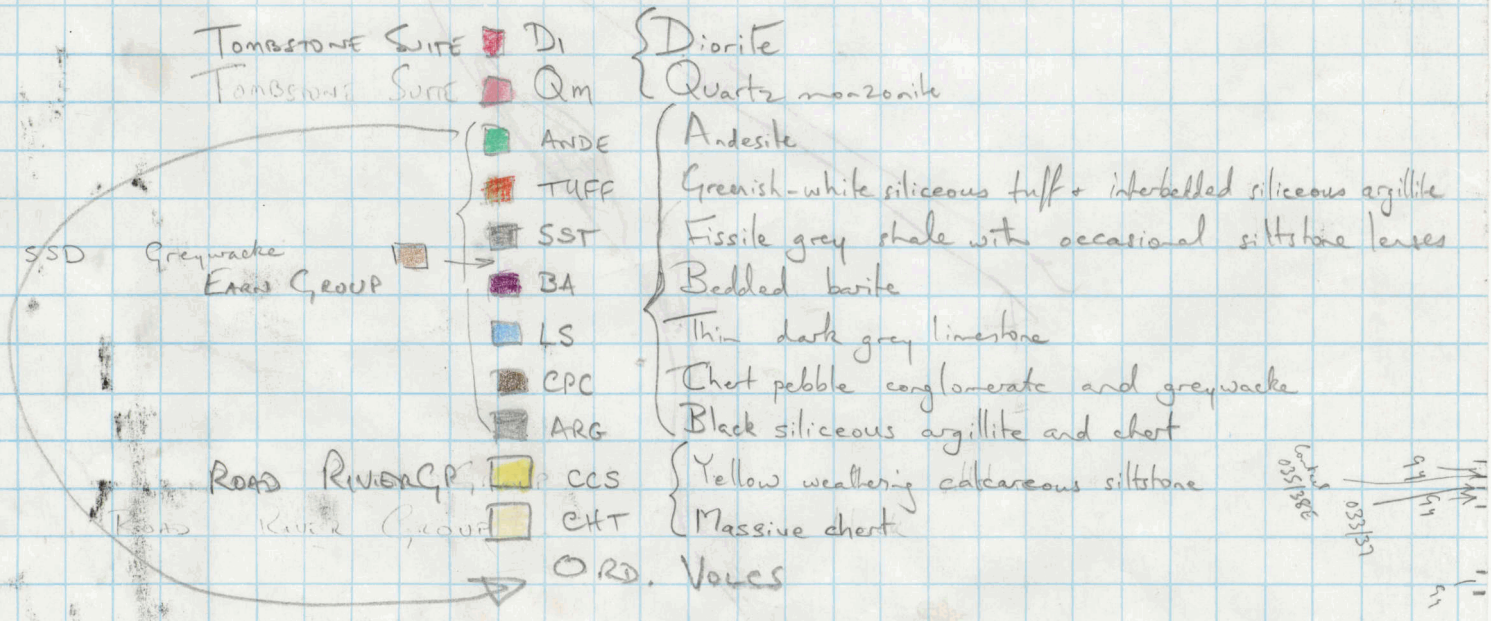
January, 1991

Geology Map

(1) Finish plotting roads. This will be essential for lining up on Noranda's compilation maps

(2) Plot rocktypes + bdy for all points in notebooks.

(3) Plot all Noranda's + sample pits.



1 : 5000

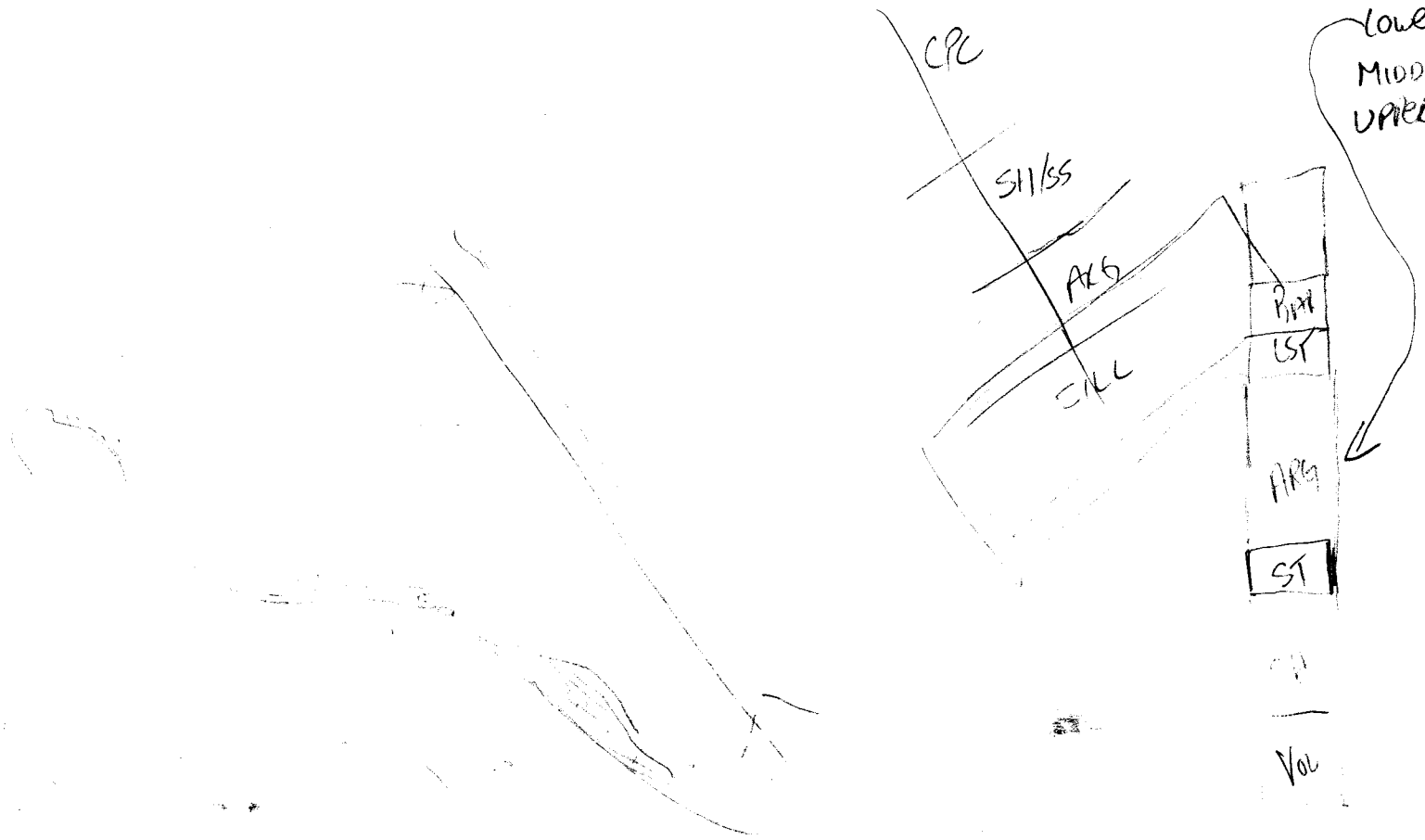
1 cm = 5000 cm

= 50 m

2 mm = 10 m

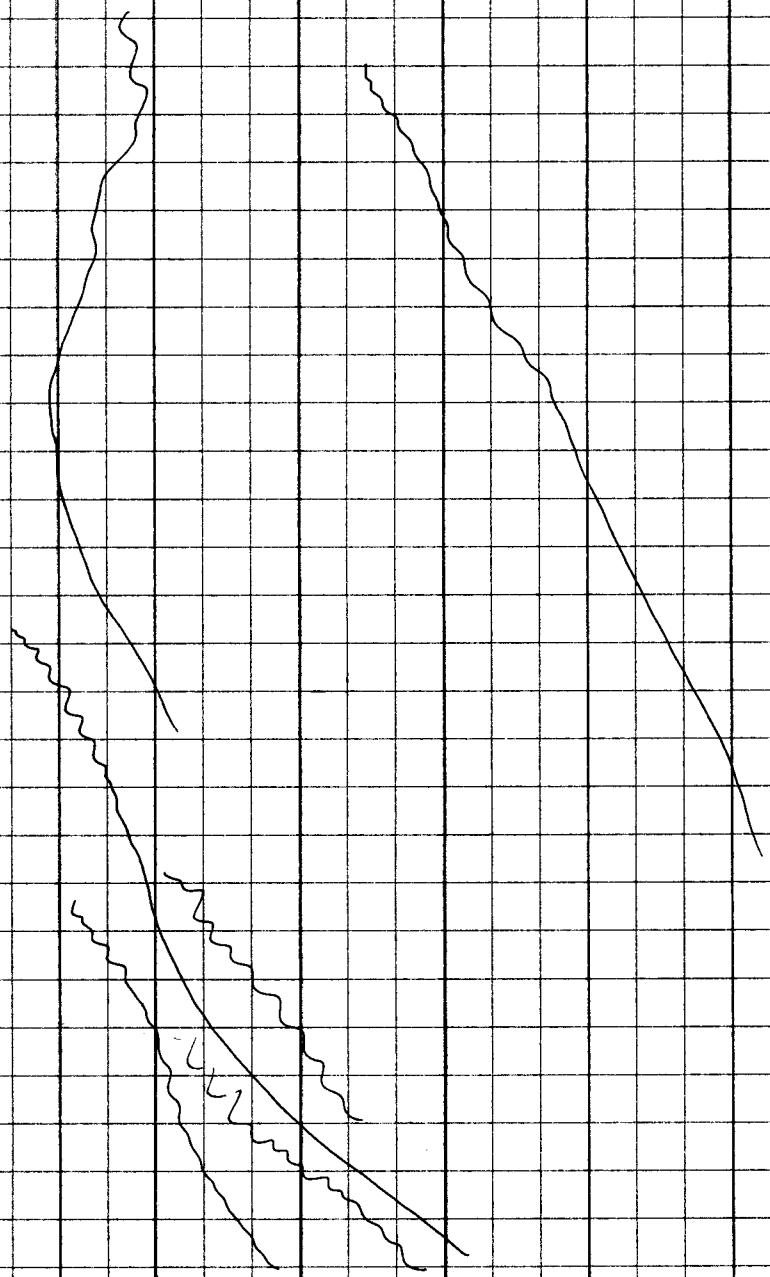
1 mm = 5 m

PORTRAIT 900m



LOWER 413 SHALE
MIDDLE 213 CPC
UPPER 260 SST
LST AT TOP

#	ZON	E	N	EL	L	LITH	INT THICK	Au	As	Sb	Hg	Ag



INT = ARG ○ BA □

#

RC DRILLHOLES — FOSTER — ZONE:

	Zone	EASTING	NORTHING	ELEV	∠	LITH	THICK	AVG GRADE	Au	As	Sb	Hg	Ag
42	F					ARG							
44	F					ARG							
45	F					ARG							
46	F					QMP							
39	F					QMP							
7	F	20047.00	19973.40	911.55	45	QMP							
107	F					QMP							
252	F					QM							
106	F					QMP							
40	F					QMP							
36	F	19994.880	20053.710	919.48	90	QMP							
253	F	20045.55	19971.92	905.820	90	QMP							
114	F				90	ARG							
108	F				90	ARG							
109	F				90	QM							
111	F				90	QM							
115	F				90	ARG							
464	F				45	QM							
463	F				45	QM							
112	F				90	QM							
113	F				90	QMP							
254	F	20093.690	19939.030	906.71	90	QMP							
370	F				90?	QM							
371	F				90	QM							
466	F				45	QM							
372	F				90	QM							
467	F				45	QM							
469	F				45	QM							
373	F				90	QMP							
468	F				45	QM							
467	F				90	QM							
48	F				90	QM							
47	F				90	QM							
374	F				90	QM							
8	F				?	QM							
375	F				90	QMP							
377	F				90	QM							
470	F				90	QM							
DH 89-3	F				?	QMP							

	Z	E	N	EL	L	LITH	THICK	A_m	A_3	Sb	Hg	Ag
379	K				90	ARG						
380	K				90	QMP						
381	K				90	QMP						
382	K				90	QMP						
383	K				90	QMP						
384	K				90	QM						
128	K				90	QMP						
129	K				90	MST						
130	K				90	ARG						
131	K				90	QM						
132	K				90	QM						
133	K				90	QM						
388	K				90	QMP						
389	K				90	QMP						
266	K				90	QMP						
265	K				90	QMP						
125	K				90	QMP						
124	K				90	ARG						
65	K				90	QMP						
66	K				90	QMP						
67	K				90	QMP						
68	K				90	QMP						
127	K				90	QMP						
475	K				45	QMP						
126	K				90	QM						
259	K				90	QMP						
256	K				90	QMP						
257	K				90	QMP						
258	K				90	QMP						
255	K				90	QMP						
472	K				45	QM						
473	K				45	QM						
474	K				90	QM						
63	K				90	QM						
64	K				90	QM						
121	K				90	QM						
122	K				90	QMP						
123	K				90	QM						
390	K				90	QMP						
385	K				90	QMP						
391	K				90	QM						

SEE P. 4 FOR INSERTS

	Z	E	N	EL	IL	LITH	INF THICK	Au	As	Sb	Hg	Ag
	476				90	QMP						
	58				90	BA						
	57				90	ARG						
	59				90	QM						
	12				90?	ARG						
	53				90	BA						
	54				90	QMP						
	55				90	QMP						
	56				90	QMP						
	117				90	QM						
	118				90	Qm						
	119				90	QM						
	120				90	Qm						
	392				90	QMP						
	393				90	QM						
	50				90	Qm						
	51				90	QMP						
	52				90	QMP						
	62				90	BA ARG						
	61				90	QMP						
	60				90	QMP						
	394				90	ARG						
	397				90	QMP						
	400				90	QMP						
	401				90	Qm						
	134				90	Qm						
	135				90	Qm						
	399				90	Qm						
	269				90	Qm						
	270				90	QMP						
	271				90	QMP						
	402				90	Qm						
	136				90	Qm						
	137				90	Qm						
D	13				90	QMP						
D	23				90	QMP						
D	22				90	QMP						
D	19				90	QMP						
D	20				45	QMP						
PQ	90-1	K	20968.78	19981.14	1060.33	90	QMP	12.86	N/A			

#	ZON	E	N	EL	L	LITH	INF THICK	Au	As	Sb	Hg	Ag
260	K				90	QM						
261	K				90	ARG						
262	K				90	ARG						
263	K				90	QM						
264	K				90	QMP						
49	F				90	ARG						
376	F				90	ARG						
378	F				90	CHERT SWKE						
10	K				90?	QM						
386	K				90	QMP						
387	K				90	QM						
471	K				90	QM						
9	K				90?	QM						
269	K				90	QM						
270	K				90	QMP						
271	K				90	QM						
402	K				90	QM						
174	P	17025.5	20501.8	884.3	90	QM						
175	P	17026.1	20550.6	882.8	90	MS/ARG						
176	P	17027.4	20576.1	881.4	90	MS/ARG						
177	P	17029.5	20599.5	880.4	90	SLST						
178	P	17627.8	20447.6	815.5	90	QM						
174	P	17626.1	20398.9	809.0	90	CHERT/ SS						
332	P	18170.0	20475.0	?	?	QM						
333	P	18170.0	20500.0	?	?	QM						
334	P	18170.0	20525.0	?	?	QM						

RPT 092788

DIAMOND DRILLHOLES

BC 89-1	CALC, BIOT MS
BC 89-2	QFP
BC 89-3	QFP
BC-89-4	QFP
BC 89-5	INT
BC 89-6	QFP
BC 89-7	QFP
BC 89-8	INT
BC 89-9	INT

RC DRILLHOLES

BCRC 89-1	INT	
89-2	ARG	
89-3	ARG	
89-4	INT	
89-5	ARG	
89-6	ARG	
89-7	INT	
89-8	INT	
89-9	INT	
89-10	INT	
89-11	[redacted]	INT
89-12	ARG	
89-13	INT	
89-14	ARG	
[redacted]		

DDH	90-10	INT
	90-11	FG SH
	90-12	QFP
	90-13	QFP
	90-14	CALC MS, MOTTLED
	90-15	GA
	90-16	BLACK BRX, QTZ, ARG, MS
	90-17	QFP
	90-18	QFP
	90-19	QFP
	90-20	QFP
	90-21	QFP
	90-22	QFP
	90-23	QFP
	90-24	INT
	90-25	INT
BCPQ	90-1	QFP
	90-2	QFP
	90-3	INT
	90-4	INT
	90-5	QFP
BCRC	90-15	QFP
	90-16	INT
	90-17	INT
	90-18	BLACK ARG
	90-20	INT
	90-21	INT
	90-22	INT
	90-23	INT
	90-24	INT
	90-25	ARG
	90-26	BLK ARG
	90-27	INT
	90-28	ARG
	90-29	ARG
	90-30	ARG
	90-31	ARG
	90-32	NO BEDROCK
	90-33	NO BEDROCK
	90-34	INT
	90-35	ARG
	90-36	QFP

DDH	91-26	
	91-27	CG
	91-28	SS
	91-29	SS
	91-30	GG
	91-31	MS
	91-32	INT
	91-33	SS
	91-34	INT
	91-35	INT
	91-36	QFP
	91-37	QFP
	91-38	QFP
	91-39	QFP
	91-40	QFP
	91-41	QFP
	91-42	INT
	91-43	QFP
	91-44	QFP
	91-45	QFP
	91-46	INT
	91-47	QFP
	91-48	QFP
	91-49	QFP
	91-50	QFP
	91-51	QFP
	91-52	QFP
	91-53	QFP
	91-54	INT
	91-55	INT
	91-56	INT
	91-57	INT
	91-58	INT
	91-59	QFP

90-37	QFP
90-38	QFP
90-39	QFP
90-40	QFP
90-41	BLK ARG
90-42	BLK ARG
90-43	BLK ARG
90-44	BLK ARG
90-45	DK GY ARG
90-46	QFP
90-47	INT
90-48	INT
90-49	[redacted] ARG
90-50	INT
90-51	INT
90-52	QFP
90-53	BA
90-54	INT
90-55	QFP
90-56	QFP
90-57	BLK ARG
90-58	BA
90-59	INT
90-60	QFP
90-61	QFP
90-62	BA ARG
90-63	QFP
90-64	QFP
90-65	QFP
90-66	QFP
90-67	QFP
90-68	QFP
90-69	ARG
90-70	QFP
90-71	QFP
90-72	QFP
90-73	QFP
90-74	QFP
90-75	QFP
90-76	INT
90-77	BLK ARG

90-78	INT
90-79	INT
90-80	INT
90-81	INT
90-82	INT
90-83	INT
90-84	INT
90-85	INT
90-86	INT
90-87	INT
90-88	QFP
90-89	QFP
90-90	INT
90-91	QFP
90-92	QFP
90-93	QFP
90-94	QFP
90-95	QFP
90-96	BLK ARC
90-97	QFP
90-98	QFP
90-99	QFP
90-100	QFP
90-101	QFP
90-102	QFP
90-103	BLK ARC
90-104	QFP
90-105	QFP
90-106	ARC
90-107	QFP
90-108	BLK ARC
90-109	INT
90-110	INT
90-111	INT
90-112	INT
90-113	QFP
90-114	ARC
90-115	ARC (BLK)
90-116	INT
90-117	INT
90-118	INT
90-119	INT

90-120	INT
90-121	INT
90-122	QFP
90-123	INT
90-124	ARG
90-125	INT
90-126	INT
90-127	ARG
90-128	QFP
90-129	MUDSTONE
90-130	BLK ARG
90-131	INT
90-132	INT
90-133	INT
90-134	INT
90-135	INT
90-136	INT
90-137	INT
90-138	INT
90-139	INT
90-140	INT
90-141	INT
90-142	INT/ARG 50/50
90-143	INT
90-144	INT
90-145	QFP
90-146	INT
90-147	INT
90-148	QFP
90-149	INT
90-150	INT
90-151	INT
90-152	INT
90-153	INT
90-154	ARG
90-155	ARG
90-156	[illegible]/ARG
90-157	INT
90-158	INT
90-159	QFP
90-160	INT

90-161	ARG
90-162	INT
90-163	INT
90-164	INT
90-165	INT
90-166	INT
90-167	INT
90-168	ARG
90-169	ARG
90-170	QFP
90-171	ARG
90-172	QFP
90-173	ARG
90-174	QFP
90-175	MS/SH
90-176	MS
90-177	SLST/ARG (BLACK)
90-178	QFP
90-179	QFP
90-180	QFP
90-181	QFP
90-182	INT
90-183	INT
90-184	INT
90-185	INT
90-186	INT
90-187	INT
90-188	ARG
90-189	INT
90-190	INT
90-191	ARG
90-192	ARG
90-193	ARG
90-194	SS (BLK)
90-195	INT
90-196	INT
90-197	INT
90-198	ARG
90-199	ARG
90-200	ARG

90-201	INT
90-202	INT
90-203	INT
90-204	INT
90-205	INT
90-206	ARG
90-207	INT
90-208	ARG
90-209	ARG
90-210	INT
90-211	INT
90-212	INT
90-213	INT
90-214	[redacted]QFP
90-215	ARG
90-216	INT
90-217	SH
90-218	INT
90-219	MS/SH
90-220	INT
90-221	SLST
90-222	[redacted]QFP
90-223	SLST
90-224	QFP
90-225	QFP
90-226	[redacted]INT
90-227	INT
90-228	QFP
90-229	QFP
90-230	QFP
90-231	QFP
90-232	QFP
90-233	QFP
90-234	ARG
90-235	QFP
90-236	INT
90-237	INT
90-238	ARG
90-239	ARG
90-240	ARG
90-241	ARG

90-242	ARG	
90-243	ARG	
90-244	ARG	
90-245	ARG	
90-246	INT	
90-247	SH	
90-248	SLST	
90-249	INT	
90-250	INT	
90-251	ARG	
90-252	INT	
90-253	QFP	
90-254	QFP	
90-255	QFP	
90-256	QFP	
90-257	QFP	
90-258	QFP	
90-259	QFP	
90-260	INT	
90-261	ARG	
90-262	ARG	
90-263	INT	
90-264	INT	
90-265	QFP	
90-266	QFP	
90-267	CHT	SH/QTZITE
90-268	QFP	
90-269	INT	
90-270	QFP	
90-271	QFP	
90-272	QFP	
90-273	QFP	
90-274	QFP	
90-275	ARG	
90-276	ARG	
90-278	QFP	
90-279	QFP	
90-280	QFP	
90-281	QFP	
90-282	QFP	

90-283	QFP
90-284	QFP
90-285	QFP
90-286	QFP
90-287	QFP
90-288	ARC
90-289	QFP
90-290	QFP
90-291	QFP
90-292	QFP
90-293	QFP
90-294	QFP
90-295	QFP
90-296	QFP
90-297	QFP
90-298	QFP
90-299	QFP
90-300	ARC
90-301	ARC
90-302	QFP
90-303	QFP
90-304	QFP
90-305	QFP
90-306	QFP
90-307	ARC/SH/MS
90-308	ARC/SH/MS
90-309	QFP
90-310	ARC
90-311	ARC
90-312	ARC
90-313	ARC
90-314	SH/ARC
~~FF~~ 90-315	ARC/MS/SH
90-316	QFP
90-317	QFP
90-318	QFP
90-319	QFP
90-320	QFP
90-321	QFP
90-322	QFP
90-323	QFP

91-324	SS, SH
91-325	INT
91-326	SS
91-327	SS
91-328	ARG
91-329	INT
91-330	ARG
91-331	ARG
91-332	INT
91-333	INT
91-334	INT
91-335	INT
91-336	INT
91-337	INT
91-338	INT
91-339	INT
91-340	ARG
91-341	QFP
91-342	ARG
91-343	INT
91-344	INT
91-345	QFP
91-346	INT
91-347	INT
91-348	QFP
91-349	ARG
91-350	INT
91-351	INT
91-352	INT
91-353	ARG
91-354	INT
91-355	INT
91-356	INT
91-357	ARG/SLST
91-358	SH
91-359	QFP
91-360	QFP
91-361	ARG
91-362	QFP
91-363	INT
91-364	INT
91-365	INT

91-365	INT	
91-366	INT	
91-367	ARG	
91-368	INT	
91-369	ARG	
91-370	INT	
91-371	INT	
91-372	INT	
91-373	QFP	
91-374	INT	
91-375	[redacted]ARG	
91-376	ARG/CHT	(ARG)
91-377	INT	
91-378	SH/CHT	(ARG)
91-379	ARG	
91-380	QFP	
91-381	QFP	
91-382	QFP	
91-383	QFP	
91-384	INT	
91-385	INT	
91-386	[redacted] QFP	
91-387	INT	
91-388	INT	
91-389	INT	
91-390	QFP	
91-391	INT	
91-392	QFP	
91-393	INT	
91-394	ARG	
91-395	INT	
91-396	QFP	
91-397	QFP	
91-398	ARG	
91-399	INT	
91-400	QFP	
91-401	INT	
91-402	INT	
91-403	ARG	
91-404	SH	
91-405	QFP	

91-406	QFP
91-407	QFP
91-408	QFP
91-409	ARG
91-410	QFP
91-411	QFP
91-412	ARG
91-413	ARG
91-414	INT
91-415	QFP
91-416	QFP
91-417	INT
91-418	INT
91-419	INT
91-420	QFP
91-421	QFP
91-422	QFP
91-423	ARG
91-424	QFP
91-425	QFP
91-426	QFP
91-427	ARG
91-428	QFP
91-429	ARG
91-430	QFP
91-431	ARG
91-432	INT
91-433	QFP
91-434	INT
91-435	QFP
91-436	QFP
91-437	ARG
91-438	QFP
91-439	ARG
91-440	QFP
91-441	INT
91-442	ARG
91-443	ARG
91-444	ARG
91-445	INT
91-446	ARG
91-447	ARG

91-448	INT	
91-449	INT	
91-450	INT	
91-451	INT	
91-452	INT	
91-453	SS	4W
91-454	SS	
91-455	INT	
91-456	SS	
91-457	SS	4W.
91-458	SS	
91-459	SS	
91-460	ARC	
91-461	SS	
91-462	INT	
91-463	INT	
91-464	INT	
91-465	INT	
91-466	INT	
91-467	INT	
91-468	INT	
91-469	INT	
91-470	INT	
91-471	INT	
91-472	INT	
91-473	INT	
91-474	INT	
91-475	QFP	
91-476	QFP	
91-477	QFP	
91-478	QFP	
91-479	QFP	
91-480	QFP	
91-481	QFP	
91-482	INT	
91-483	INT	
91-484	INT	
91-485	QFP	
91-486	QFP	
91-487	QFP	
91-488	QFP	

91 - 489 QFP
91 - 489 QFP
91 - 490 QFP
91 - 491 ~~SLST/SH~~ QFP
91 - 492 SLST/SH
91 - 493 ARC
91 - 494 SH
91 - 495 INT
91 - 496 INT
91 - 497 INT
91 - 498 ARC
91 - 499 INT
91 - 500 QFP
91 - 501 SH
91 - 502 INT
91 - 503 QFP
91 - 504 INT
91 - 505 QFP
91 - 506 INT
91 - 507 INT
91 - 508 QFP
91 - 509 INT
91 - 510 QFP
91 - 511 QFP
91 - 512 INT
91 - 513 INT
91 - 514 INT
91 - 515 QFP
91 - 516 QFP
91 - 517 QFP
91 - 518 SS
91 - 519 INT
91 - 520 QFP
91 - 521 QFP
91 - 522 INT
91 - 523 SH
91 - 524 ARC
91 - 525 ARC
91 - 526 ARC
91 - 527 ARC
91 - 528 INT
91 - 529 SH

91-530	INT
91-531	ARG
91-532	SH
91-533	SH
91-534	SS
91-535	SS
91-536	SS
91-537	SS
91-538	SS
91-539	SS
91-540	ARG
91-541	ARG
91-542	ARG
91-543	SS
91-544	ARG
91-545	SS
91-546	SS
91-547	ARG
91-548	SS
91-549	QFP
91-550	ARG
91-551	ARG
91-552	INT
91-553	INT
91-554	INT
91-555	INT
91-556	INT
91-557	INT
91-558	QFP
91-559	QFP
91-560	ARG
91-561	SH
91-562	QFP
91-563	INT
91-564	INT
91-565	INT
91-566	INT
91-567	SH
91-568	INT
91-569	QFP
91-570	QFP
91-571	ARG

91-572	INT
91-573	INT
91-574	QFP
91-575	INT
91-576	SS
91-577	INT
91-578	INT
91-579	CG
91-580	INT
91-581	SS, SH
91-582	SS, SH
91-583	SS
91-584	SS
91-585	INT
91-586	INT
91-587	INT
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91-589	ARG
91-590	INT
91-591	INT
91-592	INT
91-593	INT
91-594	INT
91-595	INT
91-596	QFP
91-597	QFP
91-598	SH
91-599	SH
91-600	QFP
91-601	QFP
91-602	QFP
91-603	SH
91-604	QFP
91-605	ARG
91-606	QFP
91-607	ARG
91-608	QFP
91-609	QFP
91-610	QFP
91-611	QFP
91-612	SH
91-613	INT

91-610A QFP

91-614	SH
91-615	SH
91-616	ARG
91-617	QFP
91-618	SH
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91-620	ARG
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91-622	SH
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91-624	INT
91-625	INT
91-626	INT
91-627	ARG
91-628	ARG
91-629	SS
91-630	SS
91-631	SS
91-632	ARG
91-633	QFP
91-634	QFP
91-635	QFP
91-636	QFP
91-637	QFP
91-638	QFP
91-639	ARG
91-640	QFP
91-641	QFP
91-642	QFP
91-643	QFP
91-644	QFP
91-645	ARG
91-646	QFP
91-647	QFP
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91-649	CHT
91-650	CHT
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91-652	INT
91-653	INT
91-654	INT

93 - 691	INT
93 - 692	QFP
93 - 693	QFP
93 - 694	INT
93 - 695	CG
93 - 696	SH/SS
93 - 697	SS
93 - 698	INT
93 - 699	INT
93 - 700	ARG
93 - 701	SH"
93 - 702	SH
93 - 703	INT
93 - 704	ARG
93 - 705	SH
93 - 706	INT
93 - 707	SS
93 - 708	INT
93 - 709	ARG
93 - 710	ARG
93 - 711	ARG
93 - 712	SS
93 - 713	INT
93 - 714	INT
93 - 715	INT
93 - 716	INT
93 - 717	ARG
93 - 718	ARG
93 - 719	ARG
93 - 720	[redacted] INT
93 - 721	ARG
93 - 722	ARG
93 - 723	SH
93 - 724	QFP
93 - 725	QFP
93 - 726	INT
93 - 727	INT
93 - 728	INT
93 - 729	INT
93 - 730	INT
93 - 731	INT
93 - 732	QFP

93-733 QFP
93-734 INT
93-735 INT
93-736 DIO (SY)
93-737 DIO (SY)
93-738 DIO (SY)
93-739 DIO (SY)
93-740 DIO (SY)
93-741 INT
93-742 INT
93-743 INT
93-744 SH
93-745 QFP
93-746 [redacted] INT
93-747 INT
93-748 SH
93-749 SH
93-750 SH
93-751 INT
93-752 SH
93-753 QFP
93-754 INT
93-755 INT
93-756 INT
93-757 INT
93-758 INT
93-759 ARG
93-760 ARG
93-761 INT
93-762 INT
93-763 INT
93-764 QFP
93-765 TUFF
93-766 TUFF
93-767 TUFF
93-768 TUFF
93-769 ARG
93-770 INT
93-771 QFP
93-772 TUFF
93-773 QFP
93-774 INT

93-775	QFP
93-776	INT
93-777	ARG
93-778	ARG
93-779	ARG
93-780	ARG
93-781	INT
93-782	SH
93-783	INT
93-784	QFP
93-785	QFP
93-786	QFP
93-787	QFP
93-788	INT
93-789	INT
93-790	INT
93-791	INT
93-792	INT
93-793	INT
93-794	INT
93-795	INT
93-796	~~QFP~~ ARG
93-797	INT
93-798	SS
93-799	SH
93-800	SS
93-801	SH
93-802	CG
93-803	SH
93-804	INT
93-805	INT
93-806	INT
93-807	INT
93-808	ARG
93-809	INT
93-810	INT
93-811	INT
93-812	INT
93-813	INT
93-814	INT
93-815	INT
93-816	INT

93-817	INT
93-818	INT
93-819	INT
93-820	INT
93-821	ARC
93-822	ARC
93-823	CC
93-824	SS
93-825	CC
93-826	SS
93-827	SH/(SS)
93-828	INT
93-829	INT
93-830	ARC
93-831	INT
93-832	SH
93-833	INT
93-834	INT
93-835	INT
93-836	INT
93-837	INT
93-838	INT
93-839	ARC
93-840	SH
93-841	CC

TRENCHES

092928

CONFIDENTIAL

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9008-095-330 File # 90-3847 Page 1

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5 Submitted by: G.MACKAY

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	Hg ppb
R 124326	27	16	35	217	.3	66	15	1404	4.44	137	5	ND	11	56	.6	24	5	62	.06	.051	37	26	.04	933	.01	3	.63	.01	.10	1	7	1600
R 124327	28	19	43	178	.3	60	14	987	4.57	219	5	ND	9	45	.4	38	2	72	.03	.040	26	32	.02	667	.01	3	.56	.01	.06	1	6	2100
R 124328	28	18	34	200	.3	59	14	1053	4.13	173	5	ND	13	69	.4	17	2	69	.11	.074	39	28	.03	774	.01	6	.60	.01	.09	1	25	1100
R 124329	24	23	33	176	.2	60	16	1467	4.38	195	5	ND	8	45	.5	27	2	58	.09	.043	30	26	.03	759	.01	2	.57	.01	.09	1	10	1050
R 124330	14	34	31	120	.1	32	13	706	4.47	113	5	ND	8	70	.5	31	2	42	.10	.048	31	25	.04	819	.01	3	.61	.01	.12	1	11	1100
R 124331	18	25	34	155	.2	36	14	1321	4.27	330	5	ND	11	63	.5	19	4	58	.13	.040	26	13	.03	853	.01	6	.58	.01	.09	1	9	1200
R 124332	15	15	32	148	.1	33	12	940	4.05	55	5	ND	12	48	.3	14	4	55	.04	.037	23	13	.04	694	.01	4	.57	.01	.10	1	7	1100
R 124333	16	10	41	133	.2	25	11	1127	4.10	36	5	ND	11	52	.5	18	2	52	.05	.032	28	12	.04	808	.01	7	.60	.01	.11	1	8	900
R 124334	25	41	35	238	.1	46	6	456	2.34	182	5	ND	2	115	2.4	25	3	233	.07	.072	19	43	.03	1564	.01	7	.50	.01	.10	1	21	2000
R 124335	26	82	40	439	.8	97	15	349	3.91	176	5	ND	8	164	6.6	39	2	186	.12	.115	29	48	.03	1997	.01	9	.68	.01	.10	1	10	2800
R 124336	9	43	24	249	.5	47	12	489	3.12	34	5	ND	7	75	3.6	23	2	56	.46	.056	29	13	.04	985	.01	6	.56	.01	.14	1	3	1100
R 124337	7	17	50	284	.4	33	12	879	4.49	28	5	ND	8	82	3.8	30	5	54	.99	.056	32	13	.05	1143	.01	14	.67	.01	.13	1	3	960
R 124338	14	88	17	393	1.4	96	10	172	2.23	58	6	ND	3	338	4.3	29	4	152	.61	.359	15	65	.05	3576	.01	17	.92	.01	.21	1	11	2900
R 124339	14	108	29	516	.3	127	31	726	5.12	50	5	ND	12	101	8.1	34	2	113	.05	.082	37	298	.03	1224	.01	8	.62	.01	.08	1	4	2800
R 124340	18	87	25	623	.4	129	29	1309	5.69	116	5	ND	8	60	11.4	77	5	97	.07	.070	30	194	.04	927	.01	8	.61	.01	.13	1	17	4600
R 124341	12	59	20	520	.2	81	18	487	3.50	74	6	ND	4	49	5.5	48	8	45	.10	.050	9	25	.04	653	.01	12	.54	.01	.18	1	7	1600
R 124342	14	49	17	440	.1	71	15	492	3.28	57	5	ND	2	36	3.5	40	2	35	.07	.037	5	22	.04	530	.01	7	.48	.01	.17	1	6	1100
R 124343	13	39	11	282	.1	54	13	502	3.05	39	5	ND	3	29	2.9	24	2	27	.05	.029	3	14	.04	462	.01	10	.42	.01	.14	1	4	880
R 124344	11	37	11	175	.3	42	11	360	2.60	27	5	ND	4	33	1.7	17	7	20	.05	.021	4	11	.03	472	.01	9	.37	.01	.13	1	4	650
R 124345	24	83	20	362	.2	85	15	426	3.31	64	5	ND	3	145	3.1	31	2	85	.10	.076	5	15	.04	1664	.01	8	.57	.01	.16	1	7	1200
R 124346	37	117	17	653	1.1	134	12	527	2.59	90	7	ND	4	203	6.4	66	8	256	.15	.124	9	51	.04	2478	.01	12	.59	.01	.12	1	15	4000
R 124347	26	111	17	564	.8	123	13	627	2.96	116	5	ND	4	239	6.1	89	2	200	.10	.141	13	29	.04	2809	.01	9	.77	.01	.14	1	16	4300
R 124348	14	93	25	370	.6	76	10	302	2.79	118	5	ND	5	186	3.8	76	2	165	.08	.114	20	39	.04	2234	.01	8	.79	.01	.13	1	11	3800
R 124349	20	129	36	596	.7	120	15	323	3.98	207	5	ND	4	188	4.4	119	2	157	.06	.132	19	42	.03	2397	.01	4	.89	.01	.10	1	77	4600
R 124350	20	100	25	387	1.5	88	11	194	2.84	404	6	ND	5	198	4.3	177	3	153	.09	.112	14	63	.02	2240	.01	2	.65	.01	.07	1	250	4500
R 124351	15	48	24	496	.4	74	12	524	3.26	138	8	ND	4	75	5.7	160	4	76	.07	.057	13	32	.03	911	.01	6	.57	.01	.12	1	57	2200
R 124352	10	41	27	530	.2	56	15	1146	4.35	81	5	ND	8	91	3.3	28	2	85	.06	.071	26	25	.03	1172	.01	4	.62	.01	.09	1	36	1300
R 124353	12	91	32	490	.7	93	18	866	4.00	121	12	ND	9	122	5.0	53	3	137	.07	.110	36	101	.04	1438	.01	4	.81	.01	.09	1	46	2900
R 124354	13	50	28	443	.6	62	14	542	3.15	144	9	ND	7	153	3.6	40	2	144	.09	.116	28	47	.05	1652	.01	7	.79	.01	.10	1	93	2900
R 124355	9	47	24	399	.5	47	11	362	2.86	169	5	ND	9	107	2.9	130	2	112	.08	.090	27	35	.04	1293	.01	5	.77	.01	.10	1	32	2200
R 124356	5	34	17	157	.3	26	5	155	2.76	435	5	ND	5	62	2.5	94	5	63	.06	.043	12	33	.03	714	.01	4	.59	.01	.13	1	53	1600
R 124357	5	25	8	79	.2	20	8	370	1.32	161	5	ND	2	34	1.0	109	4	36	.03	.022	3	14	.01	484	.01	9	.31	.01	.08	1	33	1300
R 124358	7	21	9	71	.4	20	7	325	1.06	121	5	ND	1	24	.8	273	6	28	.03	.016	3	44	.01	354	.01	4	.27	.01	.07	1	136	1400
R 124359	7	26	13	108	.4	31	4	557	1.54	292	5	ND	1	22	1.6	510	2	36	.02	.021	2	16	.01	419	.01	3	.27	.01	.06	1	630	1500
R 124360	10	27	11	206	.6	83	6	999	1.97	215	5	ND	1	17	3.4	248	2	37	.02	.028	3	15	.01	412	.01	3	.25	.01	.05	1	650	1400
R 124361	10	29	10	165	.6	58	4	1541	1.62	234	5	ND	1	26	3.1	117	2	31	.02	.024	3	13	.01	592	.01	4	.26	.01	.06	1	420	1800
STANDARD C/AU-R	19	57	36	131	6.9	72	32	1049	3.95	39	19	7	38	53	18.5	15	22	55	.51	.090	38	56	.89	181	.07	31	1.88	.06	.14	13	520	1400

BCTR 90-82

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: P1-5 ROCK P6-18 CUTTING AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: AUG 23 1990 DATE REPORT MAILED: Sept 1/90. SIGNED BY ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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	Hg ppb
R 124362	9	27	6	184	.7	48	4	715	2.16	291	5	ND	1	25	2.4	131	2	31	.03	.026	2	15	.02	456	.01	5	.22	.01	.05	2	700	1800
R 124363	4	26	15	52	2.2	19	4	81	1.74	696	5	5	4	53	.9	4404	3	22	.10	.015	10	17	.03	575	.01	6	.40	.01	.14	3	5160	1600
R 124364	5	101	36	18	7.7	15	2	63	1.24	693	5	ND	3	49	.2	16883	2	30	.18	.007	7	43	.01	342	.01	4	.23	.01	.09	3	470	1900
R 124365	2	18	21	24	5.7	7	2	58	1.49	1431	6	3	5	83	.2	2314	2	21	.09	.014	9	9	.03	571	.01	7	.34	.01	.18	2	3960	1400
R 124366	4	19	29	79	2.4	15	6	51	3.44	2783	5	4	13	172	.2	1736	2	34	.10	.035	32	17	.03	673	.01	3	.44	.01	.23	1	4760	2800
R 124367	5	38	41	118	1.9	20	8	64	3.85	2164	5	2	20	70	.5	1446	2	24	.08	.038	59	16	.02	554	.01	2	.47	.01	.13	1	1760	2400
R 124368	6	61	48	197	8.3	29	13	168	4.17	2411	5	ND	16	75	2.0	2973	5	25	.10	.036	48	28	.02	840	.01	6	.50	.01	.11	1	1120	2700
R 124369	2	23	10	100	.4	15	6	86	2.26	1443	5	ND	5	72	.2	268	2	13	.06	.012	8	7	.02	470	.01	6	.34	.01	.14	2	280	600
R 124370	2	20	8	50	.6	8	3	45	1.88	3066	5	ND	3	68	.2	174	2	11	.05	.012	6	5	.02	557	.01	6	.31	.01	.13	2	2990	720
R 124371	2	64	10	175	.2	32	11	181	2.52	920	5	ND	6	34	.5	200	2	9	.06	.011	7	7	.02	380	.01	6	.41	.01	.15	1	85	360
R 124372	3	49	11	198	.3	27	10	167	2.67	764	5	ND	5	28	.7	209	2	11	.06	.013	7	22	.03	440	.01	4	.43	.01	.14	2	93	340
R 124373	2	39	11	210	.1	31	12	267	2.53	732	5	ND	4	28	.9	156	2	11	.07	.010	6	7	.02	346	.01	6	.38	.01	.13	1	124	450
R 124374	2	40	15	234	.3	42	15	277	2.82	812	5	ND	5	32	.9	147	4	11	.08	.012	7	7	.04	816	.01	8	.50	.01	.16	2	82	430
R 124375	3	32	14	282	.2	39	14	284	3.24	884	5	ND	5	28	1.9	139	2	12	.08	.014	7	7	.04	703	.01	8	.43	.01	.15	1	32	420

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	Hg ppb
R 140301	9	13	10	25	.8	10	3	36	.50	80	9	ND	2	70	.2	75	3	58	.04	.033	4	10	.01	2013	.01	6	.27	.01	.05	1	125	2800
R 140302	8	19	31	250	.4	34	6	46	2.08	683	5	ND	9	72	1.2	221	2	44	.04	.036	24	28	.02	904	.01	5	.50	.01	.10	2	850	1200
R 140303	9	15	30	282	.2	31	5	98	2.16	676	7	ND	13	72	1.1	247	2	34	.06	.046	49	14	.02	1033	.01	12	.63	.01	.13	1	300	1100
R 140304	10	22	23	472	.5	49	8	157	3.52	1777	5	2	13	59	2.3	581	2	39	.06	.035	38	16	.02	841	.01	7	.58	.01	.10	3	1480	1400
STANDARD C/AU-R	20	59	37	132	6.8	73	32	1050	3.96	42	20	7	38	53	18.9	14	21	56	.51	.094	38	57	.89	181	.07	36	1.88	.06	.14	11	490	1300

BCTE 90-183

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	Hg ppb
R 140305	8	24	38	651	.6	54	12	399	3.75	1886	5	ND	13	84	2.0	271	2	39	.08	.044	50	16	.03	1021	.01	9	.59	.01	.12	1	920	1700
R 140306	10	23	31	597	.2	54	15	737	3.88	567	6	ND	10	58	.9	139	2	30	.05	.036	40	13	.03	902	.01	7	.57	.01	.12	1	95	2000
R 140307	7	22	27	580	.5	53	14	546	4.39	2512	5	ND	11	47	1.0	116	3	26	.07	.026	37	13	.03	824	.01	7	.48	.01	.10	1	710	1300
R 140308	11	22	30	605	.1	60	17	540	4.37	973	7	ND	10	45	1.7	164	2	29	.05	.030	33	17	.03	678	.01	4	.54	.01	.11	1	147	1100
R 140309	9	21	33	687	.1	58	19	794	4.75	516	5	ND	10	43	1.7	73	2	29	.05	.027	30	16	.03	672	.01	8	.53	.01	.10	1	32	1300
R 140310	9	22	34	558	.1	52	17	732	4.64	489	5	ND	10	47	1.1	76	2	31	.05	.028	33	16	.04	750	.01	6	.58	.01	.11	1	54	1000
R 140311	6	19	28	396	.1	47	17	1022	4.61	392	8	ND	11	53	.5	101	2	40	.11	.029	32	20	.04	980	.01	4	.60	.01	.10	1	108	900
R 140312	6	18	27	490	1.0	48	17	715	4.87	1246	5	ND	12	58	1.0	125	2	31	.06	.038	43	18	.04	1015	.01	4	.60	.01	.11	1	540	1200
R 140313	7	20	31	507	.1	52	20	896	4.60	537	5	ND	9	47	.3	89	2	37	.05	.026	29	20	.04	737	.01	4	.58	.01	.09	1	62	1000
R 140314	6	17	34	358	.1	45	17	851	4.36	564	5	ND	10	48	.2	110	2	40	.08	.027	31	21	.04	718	.01	7	.61	.01	.10	1	90	810
R 140315	5	17	30	358	.1	40	17	951	4.45	396	5	ND	10	55	.6	46	2	41	.09	.030	32	22	.05	801	.01	5	.62	.01	.10	1	20	1000
R 140316	4	19	35	331	.2	38	16	1010	4.59	777	5	ND	12	59	.5	53	2	38	.08	.039	41	21	.05	992	.01	5	.63	.01	.10	1	270	620
R 140317	4	18	30	333	.1	41	16	1011	4.20	746	6	ND	10	55	.4	49	2	37	.07	.032	40	19	.04	835	.01	4	.56	.01	.10	1	101	810
R 140318	5	20	29	423	.1	57	19	1078	4.47	766	5	ND	10	56	.8	58	2	40	.06	.030	32	22	.04	844	.01	6	.60	.01	.10	1	171	1000
R 140319	4	19	34	380	.2	60	18	1058	4.44	412	5	ND	12	67	.8	56	2	38	.06	.038	39	23	.05	959	.01	7	.68	.01	.10	1	83	1100
R 140320	5	21	30	346	.1	43	16	992	4.37	837	5	ND	10	52	.5	64	2	37	.06	.029	33	21	.04	792	.01	7	.58	.01	.10	1	78	800
R 140321	4	19	29	293	.2	39	16	906	4.30	921	5	ND	10	54	.2	59	2	35	.11	.029	35	18	.05	850	.01	4	.56	.01	.10	1	186	1100
R 140322	5	19	32	323	.1	43	17	1015	4.42	457	5	ND	10	55	.3	72	2	34	.23	.031	33	20	.05	861	.01	5	.62	.01	.09	1	87	630
R 140323	5	19	29	361	.1	45	17	1109	4.57	417	5	ND	11	58	.6	56	2	36	.06	.032	35	21	.05	858	.01	2	.58	.01	.10	1	93	740
R 140324	4	39	31	301	.1	40	18	918	4.43	396	5	ND	10	53	.4	43	2	33	.07	.029	37	21	.05	789	.01	8	.61	.01	.11	1	67	1200
R 140325	4	20	29	312	.1	38	16	884	4.09	1095	5	ND	11	57	.9	52	2	37	.11	.032	41	21	.04	791	.01	9	.60	.01	.11	1	153	1300
R 140326	6	56	17	314	.3	57	15	118	4.85	118	5	ND	7	45	.4	82	2	31	.14	.030	25	9	.03	1038	.01	8	.55	.01	.15	1	51	1300
R 140327	4	27	14	163	.9	16	4	18	2.49	63	5	ND	3	126	.2	44	2	27	.12	.037	14	6	.02	490	.01	7	.35	.01	.17	1	20	1900
R 140328	8	62	47	339	.4	54	13	162	6.24	184	5	ND	6	86	1.4	30	2	43	.10	.043	24	11	.03	1400	.01	4	.54	.01	.14	1	28	2000
R 140329	3	47	90	354	.6	54	15	576	4.15	187	5	ND	9	61	3.7	37	2	29	.09	.041	37	15	.03	1132	.01	7	.62	.01	.12	1	31	2300
R 140330	4	52	72	435	.2	68	17	390	5.12	131	5	ND	14	61	2.2	51	2	33	.07	.036	47	20	.03	1455	.01	2	.54	.01	.10	1	42	2100
R 140331	3	23	50	378	.1	57	18	934	3.85	202	5	ND	12	51	1.9	52	2	31	.10	.036	47	15	.04	958	.01	3	.58	.01	.11	1	50	2300
R 140332	3	17	37	308	.1	38	13	785	3.72	153	5	ND	14	57	1.3	37	2	40	.18	.029	44	15	.04	851	.01	3	.64	.01	.11	1	32	1400
R 140333	3	15	36	318	.1	38	13	753	3.94	278	5	ND	13	56	2.0	39	2	41	.48	.029	44	14	.04	728	.01	9	.60	.01	.12	1	84	1500
R 140334	3	18	47	375	.2	47	15	1013	4.25	548	5	ND	12	49	2.5	50	5	44	.11	.028	44	17	.04	768	.01	6	.60	.01	.12	1	136	2100
R 140335	3	19	51	403	.3	51	14	825	4.07	455	5	ND	12	52	3.0	53	2	44	.10	.028	45	16	.04	683	.01	6	.66	.01	.12	1	134	2300
R 140336	2	16	40	376	.2	38	12	595	3.81	2285	5	ND	12	52	2.6	53	3	35	.12	.026	39	15	.03	676	.01	10	.61	.01	.10	1	560	1700
R 140337	3	14	30	412	.1	48	10	565	3.82	857	5	ND	12	48	1.9	48	2	38	.09	.023	41	14	.03	575	.01	8	.58	.01	.10	1	151	1000
R 140338	3	14	34	378	.2	36	10	795	3.97	1436	5	ND	12	48	2.2	44	2	34	.10	.023	40	13	.03	607	.01	9	.59	.01	.10	1	240	900
R 140339	3	29	31	369	.3	48	14	657	4.12	1185	5	ND	10	52	2.2	61	2	43	.18	.023	33	20	.04	672	.01	8	.60	.01	.10	1	330	1900
R 140356	3	22	5	86	2.3	21	3	50	1.04	126	5	ND	1	50	1.6	393	3	71	.04	.035	9	15	.01	776	.01	4	.36	.01	.07	1	133	2500
STANDARD C/AU-R	19	58	36	131	6.9	73	31	1051	3.99	39	20	7	37	56	19.5	23	21	56	.52	.095	38	58	.89	182	.07	33	1.89	.06	.12	13	500	1600

Beze 90-84

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	Hg ppb
R 140357	2	11	4	59	2.5	15	3	38	.91	85	5	ND	2	22	1.3	381	2	55	.03	.018	12	10	.01	346	.01	7	.28	.01	.09	1	610	1300
R 140358	13	52	10	295	10.4	71	13	99	4.12	222	5	ND	1	114	1.4	712	5	112	.10	.078	12	32	.02	1445	.01	8	.56	.01	.09	3	260	6100
R 140359	6	44	16	318	5.2	52	12	343	3.48	1077	5	2	6	77	4.5	784	2	104	.05	.056	17	27	.01	1067	.01	5	.44	.01	.04	2	2480	3200
R 140360	5	29	14	233	2.7	30	7	205	2.12	1538	5	ND	7	92	3.9	1150	5	44	.04	.047	19	18	.01	1093	.01	4	.43	.01	.04	1	2160	2000
R 140361	2	75	24	340	4.0	30	8	212	2.41	1643	5	2	5	56	16.5	11273	4	44	.11	.024	26	17	.01	765	.01	2	.40	.01	.04	1	2250	2400
R 140362	3	97	19	328	2.4	30	8	302	2.41	1483	5	2	11	59	8.1	3163	6	53	.03	.032	31	19	.01	616	.01	5	.55	.01	.05	2	1380	2300
R 140363	4	248	13	486	7.8	71	16	254	4.37	3950	5	ND	1	70	18.4	4603	16	91	.12	.055	17	37	.02	925	.01	3	.56	.01	.10	2	4840	4400
R 140364	6	403	19	938	9.4	150	33	404	6.64	6370	6	6	1	78	42.5	8945	4	167	.20	.072	7	62	.03	872	.01	6	.74	.01	.11	2	6960	6100
R 140365	11	129	9	162	3.9	50	8	89	2.64	1363	5	ND	2	453	9.6	1060	6	408	.17	.248	11	57	.02	4666	.01	6	.77	.01	.05	3	510	5600
R 140366	4	36	27	124	1.1	22	4	58	1.22	1088	5	ND	12	179	12.9	176	2	84	.07	.090	42	18	.02	1677	.01	7	.65	.01	.10	2	1300	4500
R 140367	2	7	56	26	.7	8	3	49	.42	344	5	ND	18	155	2.0	90	6	30	.06	.074	65	11	.02	1424	.01	7	.61	.01	.12	2	440	2600
R 140368	4	18	21	39	1.6	20	3	39	.62	202	5	ND	8	258	2.3	120	2	132	.10	.136	31	27	.02	2738	.01	7	.60	.01	.09	3	220	3900
STANDARD C/AU-R	19	57	40	132	7.0	73	32	1051	3.96	40	19	7	36	53	18.4	14	22	55	.52	.097	37	60	.89	179	.07	35	1.89	.06	.14	11	520	1400

ACME ANAL L LABORATORIES LTD. 852 E. HASTINGS ST. VA VER B.C. V6A 1R6 PHONE(604)253-3158 FAX(6 53-1716

GEOCHEMICAL . ALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9005-020 File # 90-1488 Page 1

P.O. Box 2380, 1050 Davie St., Vancouver BC V6B 3T5

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	Hg ppb
R 2251	6	45	44	391	.8	48	9	413	3.00	96	6	ND	8	93	2.8	48	6	68	.19	.127	31	32	.03	2366	.01	5	.61	.01	.08	1	11	2100
R 2252	6	42	46	377	.9	39	8	296	2.52	72	7	ND	7	81	2.2	67	2	66	.10	.095	23	11	.02	1469	.01	11	.57	.01	.09	1	17	1400
R 2253	7	55	40	564	.5	50	15	871	3.50	68	9	ND	10	105	4.4	49	2	75	.07	.109	33	16	.02	2271	.01	7	.70	.01	.09	1	19	620
R 2254	6	258	57	725	1.3	91	21	1002	7.33	115	8	ND	19	131	4.3	104	2	103	.03	.114	47	93	.01	2012	.01	2	.79	.01	.05	1	49	3700
R 2255	7	327	67	478	1.2	87	14	205	3.37	127	8	ND	17	211	2.9	123	2	102	.03	.142	47	75	.01	2475	.01	6	.95	.01	.06	2	34	5400
R 2256	6	239	16	277	3.5	65	8	108	1.64	353	8	ND	3	581	4.0	418	2	291	.13	.370	11	66	.02	7154	.01	12	1.13	.01	.05	1	240	7300
R 2257	6	147	14	217	4.2	31	5	66	1.52	414	5	ND	2	211	3.1	634	2	130	.14	.115	9	18	.01	2467	.01	9	.47	.01	.08	1	129	3500
R 2258	5	100	15	163	4.1	25	3	46	1.27	385	5	ND	3	123	2.1	472	2	145	.09	.059	13	17	.02	1427	.01	10	.41	.01	.10	1	225	5100
R 2259	5	142	48	374	2.6	47	8	113	3.68	1960	5	2	20	156	8.0	667	2	116	.11	.116	56	19	.02	922	.01	8	.67	.01	.09	1	1280	4800
R 2260	6	151	44	287	2.0	42	10	122	3.34	2186	5	ND	20	125	8.7	920	2	65	.11	.092	60	15	.02	722	.01	2	.61	.01	.08	1	920	3900
R 2261	5	152	45	236	3.1	35	10	134	3.42	2589	5	3	20	177	9.8	1705	2	74	.11	.102	59	14	.01	758	.01	4	.55	.01	.08	1	2130	5400
R 2262	4	160	70	278	2.8	47	13	162	3.74	2767	5	2	20	111	10.1	2356	2	69	.12	.104	62	17	.02	853	.01	3	.69	.01	.09	1	1380	4500
R 2263	4	97	37	356	3.7	41	8	98	2.89	1765	5	2	14	68	5.8	908	2	40	.07	.067	45	11	.01	1919	.01	10	.59	.01	.10	1	1030	3300
R 2264	4	81	33	269	1.0	34	6	92	2.45	824	8	ND	15	58	5.1	965	2	42	.06	.063	49	13	.01	1004	.01	9	.59	.01	.10	1	116	2800
R 2265	6	109	48	406	.9	50	10	285	4.00	1283	7	ND	20	76	7.4	1494	2	58	.07	.086	63	18	.02	1229	.01	7	.59	.01	.09	1	395	2600
R 2266	4	69	40	330	2.0	37	13	196	2.60	1742	5	2	23	107	5.5	1183	2	40	.07	.082	71	22	.02	2301	.01	7	.55	.01	.10	1	1220	4300
R 2267	6	54	42	397	2.4	40	13	351	3.62	3122	5	2	23	87	6.4	822	2	32	.07	.084	71	16	.01	2207	.01	7	.50	.01	.10	1	1460	5500
R 2268	5	51	46	340	2.8	36	13	251	4.29	9330	5	5	24	93	8.2	1513	5	29	.10	.086	75	17	.01	2612	.01	5	.50	.01	.10	1	4330	9200
R 2269	6	56	36	323	3.0	39	21	471	3.01	4084	5	2	18	95	7.5	782	2	32	.10	.070	56	13	.02	2136	.01	5	.49	.01	.12	1	3230	9700
R 2270	3	37	27	146	1.6	24	7	120	1.60	2785	5	2	11	126	3.6	528	3	24	.06	.042	36	11	.01	1501	.01	5	.41	.01	.10	1	2820	3900
R 2271	4	32	42	147	1.3	18	4	98	2.39	5669	5	2	12	62	6.6	633	2	21	.07	.049	46	9	.01	1602	.01	8	.41	.01	.10	1	2380	4500
R 2272	3	55	29	84	1.3	18	3	50	1.32	1761	5	2	10	216	4.0	545	2	30	.08	.061	43	9	.02	1447	.01	5	.54	.01	.12	1	2320	3800
R 2273	4	58	27	69	.4	13	2	39	1.47	693	5	ND	8	233	1.6	343	2	17	.07	.066	27	8	.01	881	.01	6	.43	.01	.12	1	275	1500
R 2274	5	125	31	248	.3	37	8	101	2.00	662	5	ND	22	92	3.0	700	4	35	.23	.125	76	22	.02	627	.01	3	.50	.01	.14	1	95	2800
R 2275	5	125	29	253	.3	40	10	120	1.99	666	7	ND	25	100	4.1	653	5	38	.17	.101	76	22	.02	674	.01	9	.51	.01	.15	1	131	1600
R 2276	4	51	14	97	.6	20	4	57	1.09	312	5	ND	10	73	1.4	206	2	17	.05	.040	28	13	.01	828	.01	8	.30	.01	.09	1	84	1100
R 2277	2	13	15	36	.4	9	3	30	.42	158	5	ND	7	58	.2	118	2	12	.03	.019	24	7	.01	1248	.01	6	.29	.01	.09	1	87	780
R 2278	3	19	32	100	.3	17	6	72	1.30	1196	5	ND	12	63	.9	885	2	34	.04	.038	37	14	.01	888	.01	4	.55	.01	.10	2	680	2900
R 2279	3	11	33	72	.5	11	4	81	1.14	1048	5	ND	12	52	.2	566	2	18	.04	.031	40	5	.01	660	.01	3	.41	.01	.09	1	800	4200
R 2280	3	14	22	92	.4	13	5	59	1.04	611	5	ND	12	67	.2	382	2	21	.03	.042	36	9	.02	973	.01	23	.55	.01	.09	1	475	2900
R 2281	2	15	25	62	.8	15	6	62	1.06	1266	5	ND	12	75	.4	397	2	24	.04	.046	41	10	.02	1213	.01	8	.58	.01	.10	1	620	2500
R 2282	3	28	15	30	1.1	11	1	25	.93	391	5	ND	4	53	.8	2171	3	10	.04	.020	15	6	.01	675	.01	3	.30	.01	.09	1	69	1200
R 2283	2	12	15	31	.9	5	2	21	1.20	2069	5	ND	12	81	.4	642	2	17	.02	.054	40	5	.01	1137	.01	25	.52	.01	.14	2	560	2600
R 2284	2	59	12	44	1.8	13	2	21	1.11	1247	5	ND	1	53	1.6	32008	2	13	.10	.023	19	6	.01	93	.01	24	.37	.01	.09	1	880	2200
R 2285	3	25	37	141	.4	15	8	360	2.07	955	5	ND	12	69	1.9	2965	2	29	.04	.046	31	6	.02	816	.01	23	.56	.01	.09	1	235	2300
R 2286	3	34	33	212	.9	30	11	491	2.46	1033	5	ND	11	62	2.7	3009	2	27	.04	.044	33	7	.01	888	.01	23	.53	.01	.08	1	280	2100
STANDARD C/AU-R	17	59	44	132	7.1	68	30	1057	3.82	39	19	8	36	47	19.4	16	23	58	.50	.096	37	55	.87	175	.09	35	1.94	.06	.14	14	550	1600

BCTR90C-3

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. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: MAY 29 1990 **DATE REPORT MAILED:** June 1/90. **SIGNED BY** ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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	Hg ppb
R 2287	3	42	29	126	.4	11	3	87	2.53	1280	5	ND	17	72	2.2	1936	2	30	.06	.055	48	7	.02	813	.01	7	.59	.01	.11	1	124	1100
R 2288	1	159	16	235	1.1	35	10	733	2.07	168	7	ND	1	57	4.7	32978	2	24	.19	.035	18	5	.01	44	.01	6	.49	.01	.09	1	169	1500
R 2289	2	39	26	326	.3	29	14	464	3.23	663	6	ND	18	49	3.7	697	2	33	.15	.098	60	9	.02	580	.01	8	.66	.01	.12	1	220	1800
R 2290	3	46	36	270	.4	26	9	207	2.51	945	6	ND	18	84	4.6	935	2	37	.09	.083	54	9	.01	996	.01	18	.76	.01	.10	1	240	3300
R 2291	3	64	45	454	.4	39	20	596	3.58	1218	5	ND	18	91	8.4	935	2	42	.07	.083	55	11	.02	1170	.01	4	.77	.01	.10	1	123	1600
R 2292	2	41	32	325	.4	28	14	625	2.35	1241	5	ND	17	99	8.0	500	3	34	.04	.059	52	9	.02	1201	.01	7	.75	.01	.11	1	240	3200
R 2293	3	63	41	304	.5	29	11	506	3.09	1151	8	ND	18	96	11.2	543	2	37	.06	.069	53	10	.03	1233	.01	10	.69	.01	.11	1	270	2100
R 2294	2	44	39	239	.4	25	7	224	2.26	638	8	ND	17	84	12.0	245	2	36	.08	.077	55	9	.02	900	.01	8	.83	.01	.11	1	111	1700
R 2295	2	25	35	534	.5	35	21	1103	3.46	792	7	ND	18	69	15.4	707	2	34	.08	.082	59	9	.02	860	.01	23	.59	.01	.10	1	310	1400
R 2296	2	32	36	352	.5	29	15	1328	3.95	877	5	ND	19	45	9.7	370	3	39	.18	.105	58	11	.04	773	.01	9	.62	.01	.12	1	125	1500
R 2297	2	23	38	240	.7	21	12	802	3.84	1743	5	2	18	109	5.5	1175	2	32	.06	.072	67	9	.03	1561	.01	11	.59	.01	.09	1	1290	2500
R 2298	2	24	43	243	.5	20	14	1064	3.74	1372	5	ND	16	79	3.2	1099	2	34	.03	.053	50	9	.03	2090	.01	8	.59	.01	.09	1	350	3300
R 2299	1	24	35	305	.4	28	13	809	3.33	826	5	ND	17	74	3.1	1075	2	51	.13	.089	51	18	.18	1265	.03	11	.93	.01	.17	1	210	1500
R 2300	2	20	22	300	.4	26	14	968	3.52	509	5	ND	19	33	2.3	309	2	48	.23	.112	59	14	.16	634	.04	4	.80	.01	.24	1	89	1700
R 2301	2	19	41	337	.3	33	15	1184	4.13	411	8	ND	18	67	2.9	352	2	42	.12	.089	54	13	.05	951	.01	6	.63	.01	.10	1	67	1500
R 2302	2	18	43	170	.5	22	12	1050	3.91	503	8	ND	18	85	1.0	481	2	37	.04	.058	57	10	.05	1279	.01	9	.70	.01	.10	1	146	1300
R 2303	2	22	39	201	.4	27	13	1039	3.92	684	5	ND	19	74	1.6	495	3	38	.06	.067	62	13	.04	1189	.01	4	.68	.01	.10	1	270	1400
R 2304	2	19	46	307	.3	35	17	1346	4.80	362	8	ND	19	45	2.1	400	2	41	.10	.085	57	11	.05	792	.01	2	.62	.01	.10	1	107	1200
R 2305	2	28	46	347	.2	28	15	1029	3.28	684	5	ND	4	46	1.7	24550	2	35	.12	.059	41	10	.03	135	.01	14	.50	.01	.08	1	170	2200
R 2306	2	22	43	359	.4	25	15	1095	3.66	1194	5	ND	17	70	1.7	1346	2	39	.13	.055	56	10	.05	1317	.01	5	.67	.01	.11	1	530	5400
R 2307	2	23	46	306	.4	25	14	1072	3.88	1002	5	ND	16	70	1.8	525	2	53	.03	.048	45	17	.04	1065	.01	6	.62	.01	.08	1	155	3400
R 2308	2	23	40	269	.4	26	13	1019	3.64	932	5	ND	18	44	.9	544	2	48	.23	.111	56	13	.05	847	.01	7	.59	.01	.12	1	157	2500
R 2309	2	22	34	236	.2	25	13	884	3.32	961	5	ND	14	69	1.1	394	2	36	.04	.037	42	9	.03	886	.01	18	.55	.01	.09	1	250	3400
R 2310	2	19	39	203	.2	30	14	904	3.53	729	5	ND	16	64	1.6	387	2	35	.10	.061	46	11	.04	1299	.01	5	.63	.01	.10	1	64	1500
R 2311	2	18	40	201	.6	27	13	882	3.64	1067	5	ND	13	76	2.3	720	2	29	.06	.035	43	7	.03	1059	.01	6	.55	.01	.10	1	380	3800
R 2312	2	18	41	189	.4	28	14	906	3.59	721	5	ND	14	66	1.7	1203	2	25	.05	.035	44	7	.04	1689	.01	21	.58	.01	.11	2	93	3100
R 2313	2	31	38	196	.6	35	16	804	3.91	1414	5	ND	14	71	2.4	1688	2	34	.07	.039	48	10	.04	1320	.01	19	.61	.01	.11	1	560	3200
R 2314	2	33	33	184	.3	33	20	849	3.54	1399	5	ND	15	69	1.8	814	2	33	.06	.042	44	9	.03	1128	.01	17	.60	.01	.09	1	320	2000
R 2315	2	37	31	202	.5	39	22	1164	3.85	1445	5	ND	14	60	2.1	357	2	37	.06	.035	45	11	.03	993	.01	5	.60	.01	.10	1	440	1800
R 2316	2	22	38	204	.5	29	15	1200	3.99	1311	5	ND	14	82	1.2	388	4	37	.08	.060	55	9	.04	1376	.01	10	.62	.01	.11	1	280	1500
R 2317	2	20	35	175	.5	23	13	1016	3.98	1085	5	ND	15	80	1.6	233	2	38	.08	.057	56	10	.05	1381	.01	8	.66	.01	.11	1	350	1400
R 2318	2	21	33	161	.3	21	13	950	4.05	1071	5	ND	17	65	.9	164	2	36	.18	.092	64	8	.05	1210	.01	23	.60	.01	.12	1	118	1500
R 2319	2	21	26	151	.4	24	13	865	3.88	695	5	ND	17	53	1.1	226	2	47	.26	.114	61	13	.13	1147	.02	4	.85	.01	.20	1	120	730
R 2320	2	23	38	178	.4	27	15	1012	4.03	1200	5	ND	14	80	.9	253	2	37	.09	.061	54	10	.04	1358	.01	18	.61	.01	.10	1	310	1100
R 2321	2	20	37	191	.3	26	14	975	3.88	1114	5	ND	14	69	.6	244	2	40	.22	.094	56	10	.07	1258	.01	7	.75	.01	.14	1	240	850
R 2322	2	21	31	167	.3	27	14	1071	3.77	880	5	ND	15	55	.9	282	2	41	.25	.112	57	11	.10	1073	.01	14	.82	.01	.16	1	250	780
STANDARD C/AU-R	17	57	37	133	7.2	68	30	1062	3.79	37	17	8	36	48	18.4	16	21	57	.49	.098	38	56	.86	174	.09	36	1.87	.06	.13	12	480	1200

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	Hg ppb
R 2323	3	24	25	180	.1	27	14	1468	4.14	934	5	ND	14	56	.3	158	2	33	.13	.068	57	11	.05	1045	.01	7	.62	.01	.11	2	121	840
R 2324	3	29	27	226	.2	30	17	1796	4.38	1126	5	ND	13	56	1.0	138	2	34	.10	.044	55	12	.04	1148	.01	8	.62	.01	.11	1	118	1600
R 2325	2	17	26	180	.2	26	13	1126	3.43	842	5	ND	12	40	.3	127	2	35	.06	.028	47	10	.04	728	.01	12	.68	.01	.13	2	290	3200
R 2326	2	15	37	208	.2	26	12	1039	3.46	260	5	ND	15	58	.5	82	2	34	.73	.083	56	14	.06	944	.01	22	.99	.01	.20	1	42	1200
R 2327	2	17	59	213	.4	21	13	988	3.51	858	5	ND	15	55	.3	812	2	33	.22	.064	50	10	.05	917	.01	13	.75	.01	.13	1	320	2400
R 2328	2	17	23	149	.2	18	10	803	3.23	879	5	ND	17	35	.2	515	2	39	.40	.114	53	14	.17	581	.02	9	.91	.01	.19	1	220	1300
R 2329	2	23	22	126	2.0	16	10	830	3.35	1734	5	ND	18	26	.2	868	2	32	.41	.118	60	11	.09	477	.02	11	.70	.01	.20	1	440	1000
R 2330	2	16	26	120	.3	13	8	744	3.23	860	5	ND	17	26	.2	582	2	35	.41	.116	52	14	.13	442	.03	10	.79	.01	.23	1	330	480
R 2331	2	14	27	140	.3	17	10	727	3.26	647	5	ND	18	25	.2	245	2	28	.39	.117	60	10	.09	469	.02	10	.76	.01	.21	1	168	420
R 2332	1	17	46	161	.5	17	12	1041	3.62	1447	6	ND	17	52	.3	552	2	32	.32	.063	51	10	.05	757	.01	9	.71	.01	.12	1	460	1800
R 2333	2	16	39	146	.3	15	11	886	3.25	402	5	ND	16	68	.4	234	2	31	2.02	.053	48	13	.07	942	.02	10	.92	.01	.13	1	107	1300
R 2334	1	14	28	107	.2	9	8	673	3.21	249	5	ND	15	47	.3	68	2	26	2.01	.092	48	12	.06	804	.01	10	.88	.01	.15	1	56	580
R 2335	2	14	32	129	.3	13	9	873	3.61	1717	9	ND	17	39	.2	431	2	30	.47	.108	54	9	.04	509	.01	9	.71	.01	.13	1	310	1500
R 2336	2	13	27	120	.2	12	8	710	3.31	908	5	ND	17	37	.2	68	2	25	1.75	.108	53	9	.06	439	.01	16	.84	.01	.24	1	138	820
R 2337	2	18	39	133	.4	11	10	973	3.39	420	5	ND	15	61	.2	104	2	33	1.43	.057	49	13	.06	753	.01	14	.89	.01	.15	2	136	1300
R 2338	2	17	56	144	.5	13	10	893	3.30	610	5	ND	15	55	.4	84	2	35	.98	.067	51	14	.06	906	.01	12	.81	.01	.13	1	134	1100
R 2339	2	18	43	215	.3	17	11	834	3.51	957	5	ND	18	33	.4	178	3	35	.36	.107	58	13	.05	439	.01	8	.73	.01	.15	1	260	1200
R 2340	2	17	67	181	.6	14	10	991	3.49	1090	5	ND	16	52	.4	157	2	32	.82	.069	51	12	.05	674	.01	15	.81	.01	.14	1	580	1900
R 2341	2	17	44	144	.5	18	11	917	3.77	1195	5	ND	18	53	.2	289	2	35	.53	.096	58	11	.13	732	.01	16	.86	.01	.15	1	260	1100
R 2342	1	26	32	158	2.4	17	10	722	3.29	366	5	ND	15	41	.2	8173	2	59	.49	.100	39	25	.41	582	.05	7	1.16	.01	.24	1	154	860
R 2343	2	16	31	124	.3	14	11	758	3.37	502	5	ND	17	64	.2	828	2	42	1.68	.080	49	15	.06	764	.01	9	.82	.01	.12	1	137	880
R 2344	2	16	33	127	.2	13	10	817	3.16	611	5	ND	17	54	.2	285	2	38	1.54	.095	55	14	.06	710	.01	8	.88	.01	.15	1	78	1200
R 2345	2	14	34	117	.1	15	10	863	3.57	251	5	ND	17	34	.3	230	2	30	.60	.116	58	11	.07	455	.01	11	.83	.01	.22	1	31	1300
R 2346	2	17	23	112	.2	14	10	825	3.58	458	5	ND	16	33	.3	248	2	31	.51	.114	56	10	.07	458	.01	14	.85	.01	.22	1	49	1100
R 2347	2	20	21	118	.2	15	10	818	3.52	426	5	ND	16	33	.7	240	4	33	.44	.114	56	11	.07	515	.01	16	.81	.01	.24	1	67	1400
R 2348	4	27	27	161	.3	28	11	334	3.93	225	5	ND	11	65	.7	268	2	30	.26	.104	45	11	.05	753	.01	15	.68	.01	.21	1	46	1200
R 2349	3	20	23	120	.1	23	11	606	3.36	280	5	ND	12	38	.3	250	2	26	.32	.106	45	11	.06	487	.01	13	.64	.01	.23	1	29	1100
R 2350	2	18	29	131	.1	21	11	809	3.47	181	5	ND	14	42	.6	183	2	25	.85	.111	46	12	.07	818	.01	11	.67	.01	.24	1	30	300
R 2351	1	18	19	115	.2	16	11	750	3.34	113	5	ND	13	51	.3	137	2	25	1.65	.106	44	14	.08	900	.01	10	.62	.01	.20	1	22	420
R 2352	2	18	35	124	.2	20	11	746	3.60	406	5	ND	13	49	.4	197	2	27	1.23	.098	45	14	.07	752	.01	10	.77	.01	.16	1	46	450
R 2353	2	20	37	126	.4	27	15	1193	3.98	676	5	ND	13	57	.2	421	2	31	.21	.056	43	16	.06	1423	.01	9	.78	.01	.13	1	56	480
R 2354	2	20	41	177	.2	26	14	980	4.26	1106	5	ND	13	50	.4	557	2	27	.11	.040	45	14	.05	931	.01	11	.80	.01	.13	1	62	550
R 2355	2	19	41	148	.3	15	11	981	4.40	1085	5	ND	15	65	.7	492	2	30	.21	.083	56	13	.05	1098	.01	13	.85	.01	.15	1	220	1100
R 2356	3	21	75	219	1.0	19	12	915	4.10	575	5	ND	14	67	.8	467	2	25	.14	.059	49	12	.05	1426	.01	14	.82	.01	.15	1	149	1400
R 2357	2	22	69	242	1.1	18	11	927	3.95	725	5	ND	13	56	.8	727	4	24	.31	.036	46	12	.05	840	.01	16	.85	.01	.16	1	133	1900
R 2358	3	20	80	270	.4	25	14	1390	3.99	688	5	ND	13	61	.8	1051	2	29	.10	.040	41	16	.05	1056	.01	14	.80	.01	.12	1	73	1100
R 2359	2	20	62	195	.9	19	11	893	3.42	674	5	ND	9	68	.8	19302	2	25	.24	.036	35	12	.04	537	.01	12	.68	.01	.11	1	115	1300
R 2360	2	21	45	205	.4	23	13	1097	3.82	1523	8	ND	11	48	.2	1310	3	29	.11	.030	37	13	.04	1432	.01	8	.70	.01	.11	1	70	1400
STANDARD C/AU-R	17	58	36	133	6.5	68	30	1038	3.83	41	22	7	37	47	17.4	15	21	57	.49	.093	38	56	.87	175	.09	34	1.91	.06	.13	12	490	1300

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. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: JUN 1 1990 **DATE REPORT MAILED:** June 5/90 **SIGNED BY** ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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	Hg ppb
R 2361	2	20	76	231	.3	27	13	1171	3.70	1810	5	ND	9	41	.9	1688	2	29	.11	.021	29	13	.04	704	.01	7	.52	.01	.09	1	290	1600
R 2362	1	19	29	194	.7	16	9	783	2.72	999	5	ND	1	73	.5	36696	2	23	.60	.018	16	9	.03	154	.01	6	.37	.01	.07	1	550	3800
R 2363	3	20	39	234	.7	21	13	926	4.14	2048	5	ND	10	44	.4	1038	2	31	.13	.023	35	16	.05	777	.01	12	.60	.01	.13	2	530	1100

Chemex Labs Ltd.

Analytical Chemists * Geochemists **Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: NORANDA EXPLORATION CO. LTD.

P.O. BOX 2380
VANCOUVER, B.C.
V6B 3T5

Project : 330-J3
Comments: Bremsay TREC90C. 3

Invoice Date: 22-JUL-90
Invoice No. : I-9018358
P.O. Number :

CERTIFICATE OF ANALYSIS A9018358

SAMPLE DESCRIPTION	PREP CODE		Au g/tonne	Au g/t CN-AA
R 2256	207	294	0.27	-----
R 2257	207	294	0.34	-----
R 2258	207	294	0.31	-----
R 2259	207	294	1.30	-----
R 2260	207	294	0.93	-----
R 2261	207	294	1.65	-----
R 2262	207	294	1.27	-----
R 2263	207	294	1.20	-----
R 2264	207	294	0.17	0.20
R 2265	207	294	0.48	0.50
R 2266	207	294	2.33	1.88
R 2267	207	294	1.10	1.01
R 2268	207	294	4.29	3.19
R 2269	207	294	2.67	2.32
R 2270	207	294	3.72	3.47
R 2271	207	294	2.26	-----
R 2272	207	294	1.89	-----
R 2273	207	294	0.24	-----

CERTIFICATION: B Stewart

cc. D.H. K.H.(To) & K.G.

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221

To: NORANDA EXPLORATION CO. LTD.

P.O. BOX 2380
VANCOUVER, B.C.
V6B 3T5

Project : 330-J3
Comments:

Page Number : 1
Total Pages : 1
Invoice Date: 22-JUL-90
Invoice No. : I-9018358
P.O. Number :

CERTIFICATE OF ANALYSIS A9018358

SAMPLE DESCRIPTION	PREP CODE		Au (1) g/tonne	Au g/t (2) CN-AA		ACME'S (3) GEOCHEM Au (PPM)					
R 2256	207	294	0.27	-----		0.24					
R 2257	207	294	0.34	-----		0.13					
R 2258	207	294	0.31	-----		0.22					
R 2259	207	294	1.30	-----		1.28					
R 2260	207	294	0.93	-----		0.92					
R 2261	207	294	1.65	-----		2.13					
R 2262	207	294	1.27	-----		1.38					
R 2263	207	294	1.20	-----		1.03					
R 2264	207	294	0.17	0.20		0.12					
R 2265	207	294	0.48	0.50		0.40					
R 2266	207	294	2.33	1.88		1.22					
R 2267	207	294	1.10	1.01		1.46					
R 2268	207	294	4.29	3.19		4.43					
R 2269	207	294	2.67	2.32		3.23					
R 2270	207	294	3.72	3.47		2.82					
R 2271	207	294	2.26	-----		2.38					
R 2272	207	294	1.89	-----		2.32					
R 2273	207	294	0.24	-----		0.27					

(1) Fire-assay / A.T.

(2) CN-leach on 500 g reject sample -20 mesh with 0.05% NaCN at pH 11.0

(3) Previously analysed by Acme with AR/10.0g/AA.

N.B F.A. - Chemex average of value ≥1.00 PPM : $\bar{x} = 2.05$ $n = 12$
Geochem AR/AA " " ≥1.00 PPM. $\bar{x} = 2.05$ $n = 12$

CERTIFICATION:

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	Hg ppb
R 2376	6	75	25	385	1.8	48	4	123	1.87	107	5	ND	3	196	8.9	125	2	165	.22	.152	15	29	.04	2012	.01	6	.68	.01	.11	1	17	2500
R 2377	4	118	34	549	.4	42	4	52	2.41	91	5	ND	10	94	6.5	33	2	243	.11	.082	37	26	.02	679	.01	8	.65	.01	.12	1	5	2800
R 2378	4	57	30	345	1.0	31	3	62	1.51	43	5	ND	8	224	5.3	43	2	221	.31	.171	35	23	.02	1577	.01	9	.63	.01	.10	1	5	1700
R 2379	4	64	32	1063	.2	78	8	334	3.74	64	5	ND	11	84	12.4	87	2	319	.18	.126	36	15	.02	573	.01	6	.62	.01	.11	1	6	330
R 2380	9	77	41	901	.7	84	8	293	2.99	47	5	ND	8	105	8.9	60	2	289	.46	.204	36	23	.04	757	.01	9	.69	.01	.10	1	8	1100
R 2381	6	82	49	855	.8	105	8	182	2.58	44	5	ND	9	164	9.3	70	2	314	.77	.332	37	40	.04	978	.01	13	.95	.01	.14	1	7	780
R 2382	7	85	30	493	1.8	45	5	143	2.06	52	5	ND	8	260	11.9	46	2	299	1.17	.456	38	56	.04	1200	.01	16	1.05	.01	.17	1	7	1200
R 2383	5	36	23	947	.1	79	11	256	2.83	38	5	ND	13	49	10.0	62	2	162	.28	.146	43	16	.03	423	.01	10	.75	.01	.11	1	4	360
R 2384	3	54	23	780	.2	47	10	247	2.58	33	5	ND	12	45	7.6	46	2	152	.28	.135	44	14	.03	366	.01	12	.64	.01	.11	1	4	400
R 2385	4	67	18	754	.4	51	11	268	2.78	37	5	ND	11	65	5.6	48	2	197	.18	.126	39	15	.03	662	.01	13	.74	.01	.11	1	3	820
R 2386	8	67	6	160	1.8	32	2	44	.74	17	5	ND	1	278	6.2	37	2	262	.81	.367	11	41	.03	1826	.01	18	.54	.01	.09	1	5	1800
R 2387	14	67	23	576	1.3	72	9	70	1.86	52	5	ND	6	381	3.2	157	2	476	.21	.323	25	44	.02	5298	.01	14	1.02	.01	.10	2	12	2800
R 2388	6	86	17	564	.6	77	9	356	3.63	43	5	ND	9	143	5.6	62	2	242	.07	.155	34	19	.02	1998	.01	9	.77	.01	.09	1	3	2100
R 2389	5	26	25	580	.4	65	11	760	3.79	29	5	ND	10	76	5.8	33	2	135	.09	.098	26	13	.04	1014	.01	6	.63	.01	.09	1	7	1050
R 2390	5	37	29	555	.3	71	13	752	4.09	29	5	ND	11	50	7.4	42	2	66	.05	.077	27	11	.04	798	.01	8	.60	.01	.09	1	7	880
R 2391	5	34	29	432	.1	58	12	666	3.89	38	5	ND	11	75	5.3	78	2	57	.06	.076	37	10	.04	984	.01	12	.66	.01	.10	1	8	1600
R 2392	7	45	31	909	.9	100	16	560	3.75	201	5	ND	8	180	9.2	89	6	91	.09	.134	32	24	.03	2006	.01	8	.78	.01	.08	1	110	2600
R 2393	9	90	6	339	2.3	68	10	132	1.11	50	5	ND	1	623	7.9	120	2	265	.27	.043	11	83	.02	7819	.01	11	.99	.01	.05	1	41	3400
R 2394	6	85	2	107	1.6	26	4	29	2.40	142	5	ND	1	82	1.3	179	2	140	.04	.089	5	24	.01	1344	.01	6	.47	.01	.07	1	62	1500
STANDARD C/AU-R	18	57	38	133	7.2	67	31	1036	3.94	43	18	6	37	49	17.5	15	18	58	.50	.087	38	55	.91	175	.09	38	1.94	.06	.13	11	530	1300

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9006-004 File # 90-1569 Page 1

P.O. Box 2380, 1050 Davie St., Vancouver BC V6B 3T5 Submitted by: G. MacKAY

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	Hg ppb
R 2401	4	38	51	104	.8	16	5	50	2.97	3594	5	4	13	75	1.8	309	8	39	.21	.050	38	14	.02	845	.01	3	.38	.01	.11	1	4320	1400
R 2402	2	22	48	78	1.4	12	3	23	2.02	3745	5	4	12	210	2.0	1670	4	40	.13	.078	38	13	.02	1066	.01	2	.40	.01	.11	1	4620	1800
R 2403	4	63	31	70	4.7	28	2	27	1.34	622	5	ND	2	77	1.9	21284	2	38	.34	.026	12	9	.03	174	.01	6	.40	.01	.18	1	1330	2400
R 2404	8	21	22	7	1.3	4	2	9	2.37	231	5	ND	2	52	.2	535	8	81	.16	.027	5	8	.03	212	.01	9	.37	.01	.30	1	320	2000
R 2405	7	17	19	32	.9	7	1	33	1.56	175	5	ND	3	87	.2	262	2	69	.15	.033	6	8	.04	449	.01	10	.38	.01	.19	1	240	2800
R 2406	6	16	49	90	.6	13	5	55	2.17	2639	5	ND	14	104	.3	1420	3	31	.12	.049	32	11	.02	667	.01	4	.36	.01	.14	1	1190	1800
R 2407	4	45	36	147	.3	22	8	227	2.85	1204	5	ND	13	101	.7	350	4	44	.11	.080	45	16	.03	745	.01	5	.58	.01	.11	1	280	780
R 2408	5	23	38	237	.5	20	10	288	2.92	3127	5	ND	10	98	.3	1344	10	35	.09	.060	32	11	.04	1160	.01	15	.60	.01	.10	1	1530	1800
R 2409	2	65	41	75	3.2	25	3	35	1.38	602	5	4	1	62	3.1	48096	3	19	.29	.021	16	8	.02	40	.01	8	.34	.01	.07	3	3410	1300
R 2410	5	26	30	328	.4	23	12	191	3.54	1663	5	ND	14	74	.6	812	4	42	.09	.053	40	14	.03	919	.01	2	.60	.01	.09	1	220	720
R 2411	4	28	31	242	1.0	23	10	146	3.47	3526	5	ND	13	99	1.7	5223	5	30	.13	.053	44	10	.03	1170	.01	5	.45	.01	.10	1	1180	1300
R 2412	4	37	46	304	.6	28	10	134	3.46	2385	5	ND	12	61	2.7	1063	7	36	.10	.046	36	12	.03	1008	.01	5	.62	.01	.08	1	780	730
R 2413	4	49	40	375	.5	46	14	235	4.22	2334	5	ND	12	53	7.2	500	5	34	.10	.042	40	13	.03	804	.01	4	.69	.01	.09	1	1010	1200
R 2414	4	44	41	450	.5	56	15	335	4.45	1581	5	ND	12	50	5.5	403	5	38	.10	.044	39	13	.04	779	.01	6	.64	.01	.09	1	450	1000
R 2415	4	56	24	614	.3	72	22	470	4.89	825	7	ND	11	48	4.6	205	6	28	.16	.065	37	11	.04	780	.01	7	.63	.01	.12	1	90	620
R 2416	3	39	34	541	.4	41	16	460	4.92	2565	5	ND	12	73	9.2	277	4	30	.11	.051	37	11	.02	1037	.01	3	.57	.01	.09	1	720	1500
R 2417	4	25	21	397	.2	54	19	664	4.33	1211	8	ND	16	31	11.2	225	9	25	.34	.114	48	11	.06	514	.01	4	.63	.01	.13	1	240	500
R 2418	3	21	35	343	.2	42	16	847	4.10	1154	5	ND	14	54	9.4	185	8	24	.32	.087	43	10	.04	1026	.01	6	.57	.01	.09	1	240	1100
R 2419	3	20	33	339	.3	36	14	703	4.02	2076	6	ND	14	58	8.7	765	7	28	.21	.080	44	10	.03	1208	.01	6	.53	.01	.09	1	620	1200
R 2420	3	14	40	215	.3	27	12	720	3.99	3775	5	ND	13	63	5.3	1443	2	22	.52	.078	50	9	.04	1325	.01	7	.57	.01	.13	1	1130	800
R 2421	3	17	33	242	.2	32	14	728	3.90	1418	5	ND	13	50	4.7	456	5	26	.51	.040	45	10	.05	874	.01	8	.59	.01	.12	1	310	780
R 2422	3	17	34	286	.3	35	15	819	4.11	3077	5	ND	14	60	7.4	712	5	30	.25	.061	45	12	.04	1141	.01	7	.55	.01	.09	1	1150	1900
R 2423	3	18	43	434	.5	41	16	637	3.85	2180	5	ND	12	66	15.5	7129	4	26	.29	.063	41	10	.04	926	.01	6	.62	.01	.10	1	1290	1200
R 2424	3	16	37	246	.2	31	14	856	4.05	2105	5	ND	14	50	4.8	450	2	27	.58	.102	51	11	.05	720	.01	6	.62	.01	.11	1	730	680
R 2425	3	20	40	250	.5	30	13	696	3.82	3458	5	2	13	63	4.9	353	6	26	.32	.075	45	10	.05	1017	.01	6	.56	.01	.11	1	1890	1500
R 2426	3	24	44	391	.5	39	18	661	3.67	2534	5	ND	13	62	10.1	228	5	24	.11	.030	42	10	.02	764	.01	6	.43	.01	.09	1	1460	1300
R 2427	3	19	48	321	.9	34	11	330	3.19	3273	5	2	13	73	8.9	823	5	23	.14	.031	45	9	.02	1025	.01	3	.45	.01	.11	1	2030	1700
R 2428	4	27	35	649	.4	75	18	333	4.29	2116	5	ND	14	50	12.7	353	10	32	.11	.042	42	13	.03	800	.01	8	.53	.01	.09	1	540	2100
R 2429	4	33	34	379	.5	60	15	247	3.83	1398	5	ND	14	54	6.1	200	8	34	.09	.023	37	16	.02	472	.01	2	.47	.01	.09	1	290	2300
R 2430	6	56	21	241	.3	54	12	156	4.10	1504	5	ND	8	34	3.1	221	4	31	.11	.021	22	8	.03	464	.01	2	.48	.01	.11	1	240	880
R 2431	3	48	102	580	.1	81	23	336	5.70	1968	5	ND	13	49	5.1	504	2	28	.11	.040	42	12	.03	614	.01	4	.64	.01	.10	1	120	1300
R 2432	3	29	82	348	.5	44	15	281	3.58	2852	5	ND	11	73	5.6	434	8	23	.15	.029	37	8	.03	687	.01	4	.42	.01	.11	2	1210	2000
R 2433	3	30	125	447	.8	61	23	734	4.28	2230	5	ND	12	72	6.2	10320	8	27	.25	.039	40	11	.03	725	.01	7	.52	.01	.10	1	350	1800
R 2434	5	26	37	238	.6	40	15	431	3.54	2202	5	ND	5	95	2.5	949	5	26	.21	.026	18	8	.03	762	.01	5	.42	.01	.14	1	1350	2100
R 2435	7	27	15	244	.5	37	10	74	2.90	476	5	ND	2	41	.3	98	8	38	.19	.016	4	8	.04	960	.01	9	.46	.01	.12	1	10	1700
R 2436	9	21	17	126	.2	32	8	42	2.81	380	5	ND	1	42	.2	105	10	35	.18	.014	3	7	.03	830	.01	5	.36	.01	.11	1	9	1400
STANDARD C/AU-R	18	56	40	132	6.7	67	31	1026	3.85	37	17	6	37	47	16.9	15	22	55	.49	.083	36	55	.89	173	.09	41	1.89	.06	.14	13	530	1700

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. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: JUN 4 1990 **DATE REPORT MAILED:** June 7/90 **SIGNED BY.** C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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	Hg ppb
R 2437	8	20	18	83	1.2	17	4	42	2.23	2411	5	2	3	69	1.0	288	3	44	.20	.015	12	8	.04	662	.01	8	.45	.01	.18	1	1610	2200
R 2438	3	103	43	410	5.0	86	30	1182	5.28	5313	5	6	14	72	3.2	10865	2	60	.19	.037	44	69	.02	1941	.01	2	.68	.01	.05	1	6200	4300
R 2439	3	30	48	274	1.3	35	21	1026	4.42	5068	5	2	13	47	1.9	1696	2	29	.21	.023	42	21	.03	1391	.01	10	.44	.01	.09	1	1660	3000
R 2440	3	26	32	355	.8	40	13	213	4.24	2102	5	ND	11	47	5.3	5068	6	23	.15	.025	36	10	.03	835	.01	9	.47	.01	.10	1	220	2100
R 2441	4	43	37	357	.6	52	20	804	4.16	1105	5	ND	13	44	2.6	1202	2	27	.13	.055	44	11	.04	732	.01	9	.56	.01	.12	1	360	2200
R 2442	4	26	40	338	.5	29	13	682	3.77	2114	5	ND	14	78	3.6	1075	2	37	.23	.099	49	11	.04	1144	.01	9	.59	.01	.12	1	480	2800
R 2443	5	22	34	421	.5	45	14	765	3.85	1296	5	ND	14	66	6.1	465	2	45	.12	.063	47	11	.03	779	.01	8	.50	.01	.11	1	330	2300
R 2444	3	20	38	134	.3	21	12	873	3.34	1999	5	ND	14	40	.6	431	2	28	.15	.031	44	10	.04	893	.01	3	.45	.01	.09	1	460	2600
R 2445	2	40	27	129	6.3	14	10	917	3.71	6561	5	4	14	141	.5	1367	2	44	1.91	.065	38	15	.52	698	.01	6	.57	.01	.08	1	6070	3300
R 2446	3	21	30	161	.9	23	14	1038	3.17	4423	5	2	15	81	.4	299	2	25	.64	.042	37	12	.17	506	.01	5	.45	.01	.08	1	2710	2800
R 2447	2	45	32	207	6.0	37	17	1243	3.28	3718	5	3	10	61	1.4	20094	2	37	.28	.023	36	14	.03	200	.01	3	.46	.01	.07	2	3230	7300
R 2448	3	25	50	243	.4	41	16	1308	3.29	2358	5	ND	15	69	1.2	2184	2	40	.22	.026	40	18	.04	940	.01	8	.55	.01	.09	2	760	6500
R 2449	3	24	36	196	.3	39	15	853	3.16	2423	5	ND	14	52	1.5	2768	2	28	.12	.024	43	12	.03	775	.01	6	.45	.01	.08	2	990	5400
R 2450	3	20	40	275	.4	40	14	878	3.17	1981	5	ND	15	54	1.6	1882	2	31	.13	.024	42	14	.03	1456	.01	2	.52	.01	.09	2	950	3200
STANDARD C/AU-R	18	57	41	133	7.0	67	31	1047	3.98	38	19	7	38	49	18.0	16	18	58	.50	.088	38	56	.92	172	.09	36	1.97	.06	.13	11	530	1500

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9006-009 File # 90-1645 Page 1

P.O. Box 2380, 1050 Davie St., Vancouver BC V6B 3T5

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	Hg ppb
R 120376	7	39	34	426	2.2	50	14	692	2.71	1603	5	ND	10	95	4.9	4783	2	70	.14	.041	30	20	.03	2196	.01	6	.60	.01	.09	1	1740	2500
R 120377	6	41	40	469	1.0	54	12	486	3.63	822	5	ND	12	80	4.4	3521	3	66	.10	.047	38	17	.03	1780	.01	7	.70	.01	.12	1	280	2300
R 120378	5	66	31	381	.5	64	20	815	4.79	703	5	ND	14	86	4.0	574	2	75	.94	.054	41	77	.18	2184	.01	3	.94	.01	.10	1	220	3000
R 120379	4	68	27	303	.2	63	26	1402	5.08	518	5	ND	16	178	3.5	416	2	96	3.52	.056	38	131	.73	2027	.01	2	.96	.01	.04	2	68	4500
R 120380	4	54	38	417	.3	70	22	1169	4.49	836	5	ND	13	76	6.0	471	2	61	.56	.044	40	56	.07	2166	.01	8	.95	.01	.11	2	220	3200
R 120381	4	31	33	338	.2	47	17	1107	3.84	956	5	ND	14	59	3.8	287	3	29	.13	.035	47	15	.06	944	.01	9	.90	.01	.16	1	80	3800
R 120382	4	29	36	299	.5	35	15	1006	4.30	2382	8	ND	14	54	3.4	531	2	32	.11	.036	47	13	.05	918	.01	6	.77	.01	.16	1	330	2400
R 120383	3	36	32	312	1.9	40	14	962	4.11	1914	5	ND	13	67	3.9	5719	2	34	.16	.035	43	13	.05	1371	.01	6	.82	.01	.14	1	420	2000
R 120384	3	24	38	282	.3	33	15	1117	4.38	1648	5	ND	13	55	1.7	1670	2	31	.11	.030	45	15	.06	775	.01	9	.84	.01	.15	1	250	1600
R 120385	3	29	37	322	.8	35	14	935	4.25	2237	5	ND	13	52	4.1	1394	2	34	.11	.034	45	15	.04	811	.01	8	.73	.01	.11	1	640	2900
R 120386	4	26	36	827	.2	42	16	1222	4.12	1462	5	ND	13	53	7.3	527	2	31	.07	.033	45	16	.04	889	.01	5	.80	.01	.11	1	240	3000
R 120387	4	12	35	384	.2	27	15	1223	3.78	1493	5	ND	12	61	2.4	902	2	29	.08	.046	45	14	.04	1091	.01	7	.88	.01	.11	1	390	3600
R 120388	4	20	33	351	.2	33	15	1125	4.04	879	5	ND	13	58	2.4	341	2	31	.13	.041	45	17	.05	1145	.01	7	.88	.01	.13	1	200	3300
R 120389	8	33	21	233	.8	35	9	447	3.47	958	5	ND	11	68	1.6	801	2	56	.13	.036	38	13	.05	1317	.01	8	.74	.01	.17	1	450	1800
R 120390	3	23	31	192	.5	28	12	846	4.12	2518	5	ND	15	64	2.0	1293	2	29	.11	.045	51	11	.04	1386	.01	6	.71	.01	.14	1	820	1050
R 120391	3	21	31	224	.5	37	16	1030	4.19	3122	5	ND	16	71	3.2	888	2	30	.09	.039	50	13	.03	2723	.01	10	.79	.01	.13	1	1350	1800
R 120392	3	25	37	186	1.1	32	11	922	3.35	2512	5	3	3	65	1.9	29132	2	30	.25	.028	34	15	.03	151	.01	5	.64	.01	.10	1	2510	2000
R 120393	2	32	28	241	.8	34	11	1014	2.98	1206	5	ND	1	68	.6	36174	2	30	.27	.019	23	16	.02	107	.01	4	.66	.01	.08	1	1290	2100
R 120394	2	21	35	293	.2	36	15	921	3.55	1167	5	ND	17	56	.7	1355	2	40	.06	.035	43	20	.03	924	.01	5	.71	.01	.09	2	310	1100
R 120395	3	32	45	303	2.1	49	11	660	3.46	2109	5	2	10	65	2.2	19546	2	30	.16	.020	29	16	.02	346	.01	5	.53	.01	.09	1	1580	2800
R 120396	3	25	32	268	1.5	41	15	1139	3.72	4447	5	7	12	57	2.3	5627	2	30	.12	.022	32	16	.03	1275	.01	4	.52	.01	.08	1	6840	3200
R 120397	3	45	46	274	2.5	37	13	520	3.51	3161	5	3	4	90	4.8	28270	2	34	.33	.026	28	17	.03	297	.01	7	.63	.01	.10	1	3010	3000
R 120398	3	29	33	294	1.4	36	13	733	4.08	2705	5	3	15	70	1.8	7729	2	38	.13	.036	41	17	.03	1069	.01	6	.69	.01	.10	1	2930	2200
R 120399	3	24	42	257	2.6	38	11	857	3.87	1914	5	ND	6	52	2.0	24465	2	23	.16	.020	36	12	.03	263	.01	8	.57	.01	.12	1	490	1400
R 120400	4	22	36	264	.3	34	13	556	4.30	2808	5	ND	15	50	2.0	2772	2	25	.09	.025	42	12	.03	655	.01	9	.65	.01	.12	2	450	1300
R 120401	4	19	39	202	.6	31	12	710	3.99	2400	5	ND	13	53	2.0	9850	2	28	.14	.023	39	14	.03	693	.01	9	.70	.01	.12	1	650	1700
R 120402	4	21	32	235	.4	32	12	887	4.20	3114	5	ND	15	58	2.5	1959	2	23	.13	.032	49	13	.04	758	.01	8	.66	.01	.13	1	800	1400
R 120403	4	30	33	419	.7	46	13	553	4.14	3363	5	ND	13	72	3.8	2658	3	29	.17	.040	47	14	.03	823	.01	6	.70	.01	.11	1	1150	1600
R 120404	6	45	32	97	6.3	29	5	139	1.26	816	5	ND	6	276	2.4	1164	2	182	.31	.087	27	24	.04	2732	.01	13	.61	.01	.14	2	1820	15600
R 120405	6	58	22	121	3.6	37	6	257	1.07	432	5	ND	4	527	3.9	902	2	454	1.12	.417	21	55	.04	3971	.01	18	.95	.01	.16	2	340	19200
R 120406	3	111	11	109	5.3	45	6	127	.85	296	5	ND	3	737	7.8	521	2	1110	1.96	.749	20	130	.07	5147	.01	25	1.25	.01	.25	2	120	22400
R 120407	14	91	18	213	3.5	58	8	201	1.88	701	5	ND	4	673	8.1	824	2	477	1.27	.555	17	83	.04	4902	.01	17	1.11	.01	.16	2	101	7000
R 120408	5	69	29	748	.4	109	13	132	4.41	1146	5	ND	14	108	10.2	977	3	121	.30	.150	49	19	.03	735	.01	8	.80	.01	.13	1	48	2100
R 120409	6	29	19	681	.1	85	13	184	4.44	712	5	ND	16	41	6.3	807	2	70	.28	.120	53	15	.03	362	.01	7	.71	.01	.18	1	47	1200
R 120410	3	16	40	465	.4	72	23	1011	4.39	3201	5	2	15	75	18.7	268	2	27	.15	.053	49	11	.03	1258	.01	8	.68	.01	.13	2	1630	1400

ME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VA[illegible] B.C. V6A 1R6 PHONE(604)253-3158 FAX(6[illegible]1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9006-009 File # 90-1645 Page 1

P.O. Box 2380, 1050 Davie St., Vancouver BC V6B 3T5

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	Hg ppb
R 120411	9	43	30	465	.8	58	11	979	3.71	152	5	ND	8	71	4.7	64	2	89	.22	.123	24	29	.04	1494	.01	6	.83	.01	.11	1	29	780
R 120412	7	45	39	493	1.3	44	10	1515	3.64	143	7	ND	7	114	4.1	74	2	95	.33	.187	28	26	.06	2403	.01	4	.84	.01	.11	1	14	850
R 120413	9	64	33	324	2.9	59	6	1326	1.63	95	5	ND	2	303	3.5	61	2	135	1.42	.597	29	62	.05	2467	.01	4	.94	.01	.11	2	25	2600
R 120414	6	61	43	316	3.1	55	7	1122	1.48	79	5	ND	2	430	3.3	47	2	129	2.02	.851	26	59	.05	3170	.01	13	.97	.01	.13	2	21	2400
R 120415	9	85	18	486	1.8	100	6	900	1.76	83	5	ND	2	412	2.6	52	2	143	3.02	1.165	23	86	.05	2619	.01	12	.94	.01	.15	1	21	2300
R 120416	9	101	37	689	.9	108	14	1944	3.29	129	5	ND	10	295	3.7	76	2	94	2.45	1.066	44	75	.06	2466	.01	6	1.40	.01	.15	1	3	2200
R 120417	10	22	33	577	.3	59	13	3182	3.52	87	5	ND	10	57	4.0	56	2	44	.17	.112	37	10	.04	1147	.01	3	.61	.01	.12	1	5	630
R 120418	9	9	33	512	.2	48	13	3080	3.50	58	5	ND	11	42	4.3	42	3	39	.06	.063	38	7	.04	942	.01	9	.62	.01	.13	1	2	750
R 120419	9	12	51	606	.2	51	14	2782	4.09	70	5	ND	11	44	3.3	38	5	40	.06	.058	42	9	.04	956	.01	2	.64	.01	.14	1	2	660
R 120420	8	11	40	567	.2	47	13	1784	4.27	74	5	ND	11	43	4.6	40	3	43	.06	.053	45	9	.05	839	.01	5	.79	.01	.17	1	3	680
R 120421	7	26	39	642	.4	46	12	1649	4.19	145	5	ND	12	42	5.5	37	5	37	.06	.054	47	8	.04	790	.01	10	.78	.01	.19	1	6	720
R 120422	9	17	43	885	.2	54	13	1146	4.16	148	5	ND	11	49	5.0	77	2	51	.06	.066	44	9	.04	720	.01	2	.70	.01	.14	1	2	1100
R 120423	11	10	104	781	.3	45	17	2519	3.90	99	5	ND	11	45	6.5	57	2	46	.06	.064	45	7	.04	864	.01	5	.62	.01	.13	1	3	750
R 120424	10	9	43	757	.2	45	18	2820	4.17	85	5	ND	11	43	8.0	69	2	51	.05	.062	42	7	.04	924	.01	6	.65	.01	.14	1	2	660
R 120425	10	10	37	901	.4	49	14	2243	4.22	76	5	ND	11	41	11.6	65	2	48	.06	.063	35	8	.03	814	.01	2	.60	.01	.12	1	3	710
R 120426	11	7	43	1049	.2	67	14	2239	4.40	94	5	ND	11	41	10.1	132	2	44	.06	.056	36	5	.04	784	.01	4	.63	.01	.14	1	3	510
R 120427	9	10	79	783	.2	45	14	2752	4.27	86	5	ND	10	42	6.3	76	5	46	.05	.060	37	6	.04	802	.01	2	.65	.01	.12	1	2	600
R 120428	7	11	54	690	.1	36	12	1849	4.01	76	5	ND	10	41	3.3	36	2	42	.05	.063	38	9	.04	662	.01	2	.71	.01	.13	1	1	720
R 120429	9	28	51	620	.4	34	15	2130	4.16	107	5	ND	10	36	3.8	38	4	42	.04	.060	40	5	.04	639	.01	3	.69	.01	.15	1	4	760
R 120430	8	22	41	648	.2	43	14	2216	4.06	112	5	ND	10	40	3.3	42	7	40	.04	.061	40	7	.03	739	.01	5	.71	.01	.15	1	5	740
R 120431	12	18	49	906	.4	72	16	3674	4.50	132	5	ND	8	42	4.6	67	5	47	.05	.064	30	9	.03	1033	.01	3	.80	.01	.14	1	5	850
R 120432	12	15	45	890	.3	81	13	3373	4.22	185	5	ND	8	48	5.4	128	2	60	.06	.066	32	13	.03	1062	.01	4	.78	.01	.14	1	7	1300
R 120433	12	10	37	886	.3	64	13	2144	3.93	158	5	ND	9	51	3.5	155	4	50	.07	.063	34	14	.03	948	.01	6	.68	.01	.15	1	5	1200
R 120434	11	12	37	1290	.3	74	16	1831	4.98	204	5	ND	10	71	4.0	132	3	53	.07	.082	38	13	.03	1174	.01	6	.71	.01	.14	1	1	930
R 120435	10	12	25	960	.4	59	17	2544	4.10	132	5	ND	11	72	4.6	82	2	54	.06	.081	40	13	.03	1297	.01	3	.70	.01	.13	1	4	720
R 120436	9	10	39	755	.3	54	17	2305	3.69	62	5	ND	10	75	3.6	56	6	50	.06	.068	34	12	.03	1352	.01	2	.67	.01	.12	1	2	640
R 120437	5	11	30	517	.1	30	13	744	3.86	45	5	ND	11	88	2.6	55	2	45	.06	.073	36	12	.03	1255	.01	2	.74	.01	.11	1	2	330
R 120438	5	15	32	455	.1	38	14	1093	4.49	43	5	ND	13	92	2.5	56	2	49	.06	.079	40	13	.04	1338	.01	7	.84	.01	.13	1	3	350
R 120439	5	18	31	429	.1	32	13	1283	4.61	159	5	ND	12	72	4.2	55	3	44	.07	.085	45	9	.04	1083	.01	7	.67	.01	.13	1	6	570
R 120440	5	16	38	486	.2	35	14	1318	4.32	52	5	ND	11	59	3.0	58	4	44	.05	.057	38	12	.04	911	.01	7	.80	.01	.13	1	5	1100
R 120441	5	15	40	501	.2	31	12	781	4.40	59	5	ND	14	76	3.5	60	2	36	.06	.072	48	8	.05	1094	.01	6	.80	.01	.15	1	2	630

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	Hg ppb
R 140719	5	21	26	35	.3	7	1	57	3.12	32	5	ND	15	369	.3	14	2	39	.09	.132	42	19	.04	82	.01	6	.62	.02	.48	1	29	140
R 140720	6	69	29	236	.1	31	4	41	3.74	22	5	ND	23	232	1.4	17	2	55	.12	.150	71	32	.04	914	.01	6	.80	.01	.24	1	9	130
R 140721	6	69	25	247	.1	35	5	44	4.00	21	5	ND	23	171	1.6	19	2	55	.13	.158	71	36	.04	755	.01	6	.66	.01	.18	1	5	120
R 140722	6	87	27	439	.1	40	10	104	4.66	17	5	ND	20	172	2.4	22	2	50	.07	.133	66	32	.03	959	.01	6	.65	.01	.18	1	6	140
R 140723	5	80	19	594	.2	56	13	134	5.12	18	5	ND	22	85	3.7	11	2	51	.12	.142	68	34	.05	506	.01	7	.64	.01	.16	1	7	130
R 140724	6	47	20	241	.3	33	6	31	2.77	24	5	ND	14	87	2.3	7	2	37	.09	.094	50	18	.02	572	.01	5	.48	.01	.18	1	8	120
R 140725	9	27	22	322	.2	26	5	39	3.12	21	5	ND	11	34	2.0	7	4	19	.08	.049	45	5	.03	512	.01	8	.54	.01	.21	1	5	110
R 140726	12	26	30	179	.5	19	3	43	2.66	27	5	ND	9	36	1.1	6	2	27	.10	.039	42	6	.04	604	.01	11	.67	.01	.27	1	4	130
R 140727	12	48	26	988	.2	61	13	189	6.36	20	5	ND	12	38	4.3	9	2	27	.09	.077	40	10	.03	573	.01	9	.62	.01	.21	1	10	170
R 140728	8	91	26	837	.1	61	15	184	5.49	14	5	ND	12	50	4.4	8	2	23	.10	.060	38	7	.03	518	.01	7	.57	.01	.17	1	1	100
R 140729	7	41	21	655	.2	77	17	244	5.03	14	5	ND	10	35	5.8	7	2	17	.09	.040	38	8	.04	1579	.01	9	.70	.01	.22	1	4	80
R 140730	5	45	24	376	.1	46	11	86	3.88	27	5	ND	16	77	4.8	5	2	22	.08	.099	52	13	.02	615	.01	8	.51	.01	.15	1	1	90
R 140731	4	48	20	492	.2	61	15	143	4.52	9	5	ND	18	68	5.5	7	2	27	.09	.123	52	19	.05	583	.01	8	.75	.01	.19	1	1	80
R 140732	3	31	25	394	.1	58	15	198	4.03	6	5	ND	21	55	4.3	6	3	29	.24	.131	60	19	.07	345	.01	6	.63	.01	.18	1	1	70
R 140733	3	31	42	474	.2	54	16	309	4.68	12	5	ND	20	71	5.0	7	2	23	.17	.126	62	13	.04	402	.01	8	.65	.01	.17	1	2	130
R 140734	2	31	30	528	.1	61	19	436	5.31	9	5	ND	20	59	6.3	4	2	23	.24	.144	62	12	.03	434	.01	4	.63	.01	.15	1	1	180
R 140735	4	33	27	450	.1	79	15	311	4.58	18	5	ND	20	38	9.9	10	2	23	.28	.148	62	16	.05	264	.01	7	.65	.01	.16	1	13	80
R 140736	3	32	18	411	.1	80	19	434	4.13	17	5	ND	18	37	7.9	10	2	32	.30	.139	59	21	.13	426	.02	11	.82	.02	.25	1	2	70
R 140737	4	25	18	140	.5	25	6	203	2.04	9	5	ND	10	46	3.1	8	2	29	.10	.055	38	13	.05	919	.01	11	.62	.01	.23	1	6	80
R 140738	4	28	27	192	.5	17	4	66	2.51	10	5	ND	10	101	3.4	5	2	22	.07	.064	41	8	.02	565	.01	8	.43	.01	.17	1	3	110
R 140739	5	59	26	244	.9	30	5	93	4.18	18	5	ND	13	166	4.6	11	2	48	.07	.096	43	13	.02	572	.01	5	.53	.01	.20	1	3	170
R 140740	4	46	20	67	2.0	16	2	32	1.07	4	5	ND	3	112	3.4	8	2	125	.10	.051	15	12	.02	1029	.01	7	.37	.01	.13	1	3	220
R 140741	7	44	25	42	2.1	15	1	35	1.14	9	5	ND	2	96	1.6	11	2	89	.05	.041	13	16	.02	906	.01	8	.38	.01	.15	1	3	130
R 140742	6	31	22	37	.6	7	2	43	1.83	12	5	ND	6	78	2.0	6	2	27	.07	.036	34	6	.03	666	.01	2	.44	.01	.22	1	4	120
R 140743	5	52	28	125	.6	17	3	69	2.76	14	5	ND	8	80	2.3	11	2	28	.07	.060	37	11	.03	750	.01	9	.55	.01	.24	1	5	130
R 140744	8	64	26	176	1.2	19	3	68	3.15	18	5	ND	7	110	3.2	14	2	37	.10	.085	29	9	.02	566	.01	7	.38	.01	.20	1	7	150
R 140745	5	54	22	409	1.2	51	10	385	3.77	20	5	ND	6	101	4.4	12	2	56	.14	.103	29	18	.04	752	.01	7	.65	.01	.20	1	6	200
R 140746	4	31	25	165	1.2	23	4	96	2.49	28	5	ND	4	83	2.2	9	6	35	.12	.064	25	11	.03	1043	.01	8	.53	.01	.21	1	8	90
R 140747	4	66	35	400	.4	70	12	183	4.64	62	5	ND	21	107	5.0	12	4	53	.21	.138	62	41	.22	873	.05	6	.87	.01	.30	1	6	80
R 140748	4	71	65	376	.7	66	11	186	5.72	64	5	ND	19	159	5.6	18	2	42	.14	.210	64	28	.09	882	.02	7	.68	.01	.24	1	3	120
R 140749	4	137	22	389	.3	78	10	82	5.46	58	5	ND	21	242	3.9	16	4	45	.06	.204	71	18	.02	685	.01	4	.67	.01	.16	1	4	130
R 140750	5	31	15	76	1.9	22	2	52	1.67	17	5	ND	1	97	2.5	7	2	78	.21	.109	13	10	.02	980	.01	6	.32	.01	.12	1	4	100
STANDARD C/AU-R	18	57	40	130	6.9	72	31	1053	3.97	40	21	7	37	52	18.6	15	20	55	.51	.094	39	60	.89	182	.07	35	1.89	.06	.14	13	510	1400

BCTR 90E-1

(E-1 EXTRA ZONE)

BC72 90F-3

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	Hg ppb
R 120451	3	18	30	330	.2	37	13	843	4.06	90	5	ND	11	48	3.8	24	2	40	.05	.049	38	7	.04	610	.01	5	.54	.01	.09	1	8	1500
R 120452	3	15	41	217	.1	29	11	641	3.77	60	6	ND	11	45	2.6	21	2	35	.06	.043	38	6	.03	581	.01	6	.47	.01	.09	1	4	1400
R 120453	3	14	35	320	.1	29	12	868	3.68	30	5	ND	9	41	3.5	20	2	38	.05	.034	32	7	.04	608	.01	3	.56	.01	.09	1	3	1500
R 120454	2	13	31	279	.1	24	10	690	3.45	24	5	ND	10	42	2.0	22	2	37	.05	.035	29	6	.03	702	.01	2	.51	.01	.09	1	2	1600
R 120455	2	9	26	246	.1	26	11	813	3.45	29	5	ND	9	36	3.0	20	2	42	.04	.033	33	5	.03	515	.01	8	.52	.01	.11	2	3	2200
R 120456	4	14	32	301	.1	32	13	1462	3.56	48	5	ND	9	36	3.1	21	2	42	.05	.046	33	5	.03	629	.01	3	.49	.01	.10	2	4	1400
R 120457	4	17	23	412	.3	40	8	233	3.50	50	6	ND	9	37	3.2	41	4	50	.05	.053	35	7	.03	450	.01	5	.52	.01	.10	1	3	2700
R 120458	5	29	34	417	.3	45	9	276	3.93	83	5	ND	9	34	4.5	31	2	49	.06	.057	36	8	.02	452	.01	3	.47	.01	.09	1	4	2400
R 120459	9	76	20	427	1.1	60	8	132	2.08	71	8	ND	8	300	3.2	59	2	169	.06	.197	27	41	.02	3435	.01	8	.79	.01	.07	3	5	3000
R 120460	10	65	10	156	1.3	28	6	62	.94	39	8	ND	2	604	2.8	57	2	284	.18	.378	13	48	.02	6836	.01	8	.84	.01	.07	2	6	1600
R 120461	5	141	12	557	3.1	90	8	188	2.01	56	5	ND	4	189	5.0	36	2	149	.46	.259	22	38	.04	2572	.01	10	.69	.01	.13	1	14	2400
R 120462	6	94	28	656	1.9	71	8	233	2.80	95	8	ND	9	62	4.5	53	2	232	.05	.087	33	21	.02	841	.01	4	.58	.01	.08	1	9	1800
R 120463	1	113	2	62	21.2	8	1	30	.23	31	5	4	1	67	4.4	30913	2	21	.66	.005	2	5	.01	8	.01	2	.32	.01	.02	2	3960	4500
STANDARD C/AU-R	17	58	41	132	7.0	68	30	1026	3.91	35	17	7	37	48	17.6	16	19	56	.50	.087	37	54	.91	174	.09	31	1.94	.06	.14	11	480	1600

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. V[illegible] R B.C. V6A 1R6 PHONE(604)253-3158 FAX([illegible]-1716

GEOCHEMICAL ANALYSIS CERTIFICATE Brewery (LG)

Noranda Exploration Co. Ltd. PROJECT 9006-026 File # 90-1720 Page 1

P.O. Box 2380, 1050 Davie St., Vancouver BC V6B 3T5

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	Hg ppb
R 826	15	195	21	1335	3.3	127	19	676	5.00	244	5	ND	4	246	13.6	87	2	940	1.02	.529	28	70	.10	2255	.01	21	1.23	.01	.34	1	44	7200
R 827	9	121	27	1519	3.2	128	20	758	6.84	318	5	ND	8	221	10.4	139	3	332	.63	.404	39	39	.08	1444	.01	9	1.09	.01	.29	1	8	4300
R 828	7	37	60	1262	.3	97	10	411	4.76	214	5	ND	35	71	5.2	130	2	117	.29	.173	69	15	.06	788	.01	2	.86	.01	.11	1	5	1200
R 829	12	55	112	1409	.7	122	16	1185	5.39	233	5	ND	64	70	6.8	148	2	144	.31	.170	106	17	.07	764	.01	2	.91	.01	.10	1	15	1800

90F-4

AMPLE#	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	Hg ppb
830	6	40	9	127	2.1	25	3	305	.69	37	5	ND	1	209	2.5	46	2	434	.99	.384	13	35	.05	1332	.01	14	.60	.01	.14	2	16	2700
831	6	38	18	190	2.2	34	2	249	1.05	77	5	ND	1	203	3.4	61	2	535	.76	.309	15	38	.06	1515	.01	17	.68	.01	.16	3	9	2100
832	7	29	40	718	.7	72	13	1574	4.08	145	5	ND	14	54	4.7	564	2	76	.30	.163	56	14	.04	703	.01	3	.70	.01	.14	1	26	2800
833	11	37	56	906	.8	112	23	2640	4.73	225	5	ND	14	78	7.5	178	2	96	.25	.170	58	16	.07	1217	.01	5	.92	.01	.13	1	36	1500
834	10	38	45	894	.8	115	17	1949	4.75	198	5	ND	15	64	4.3	171	2	97	.27	.161	56	33	.05	981	.01	2	.83	.01	.12	1	34	2200
835	10	54	26	845	.5	122	22	1892	6.85	145	5	ND	20	51	3.9	211	2	147	.50	.248	75	81	.06	624	.01	2	.71	.01	.05	1	14	1800
836	16	60	28	1170	.8	170	23	5270	6.43	205	5	ND	20	56	6.3	258	2	165	.56	.272	74	86	.16	1330	.04	4	.90	.01	.10	1	35	1500
837	17	61	33	1025	.6	160	32	9987	5.92	224	5	ND	20	78	6.9	248	2	175	.55	.251	66	91	.45	2790	.09	6	1.51	.01	.22	1	50	1600
838	10	28	48	547	.6	79	21	6045	4.17	107	5	ND	14	44	3.5	98	2	77	.45	.189	59	33	.24	1732	.03	4	1.15	.01	.23	1	33	860
839	8	25	42	702	.3	73	16	2451	4.27	127	5	ND	15	63	2.9	127	2	54	.30	.168	65	11	.05	1189	.01	3	.84	.01	.15	1	21	1500
840	8	31	47	658	.4	62	16	1858	4.82	144	5	ND	15	106	3.3	98	2	59	.21	.167	64	15	.03	1424	.01	2	.83	.01	.12	1	12	1050
841	8	26	44	721	.1	55	13	1584	4.11	149	5	ND	15	62	3.8	104	3	55	.30	.173	61	13	.03	965	.01	2	.81	.01	.15	1	8	1600
842	8	29	46	577	.1	50	13	1459	4.03	110	5	ND	11	60	3.6	95	2	55	.32	.171	54	9	.03	836	.01	2	.80	.01	.14	1	10	1500
843	9	16	43	572	.4	53	13	1367	4.32	353	5	ND	12	44	2.5	132	2	46	.33	.156	53	5	.04	713	.01	4	.80	.01	.14	1	20	1100
844	9	23	43	341	.5	41	12	946	4.01	331	5	ND	9	110	2.1	103	3	81	.64	.287	42	10	.04	999	.01	8	.94	.01	.14	1	43	1200
845	7	9	45	428	.1	34	15	1276	4.23	346	5	ND	10	67	1.6	104	2	40	.93	.102	44	6	.04	1984	.01	7	.76	.01	.14	1	19	1500
846	8	9	39	465	.2	33	12	1081	4.23	987	5	ND	11	52	2.8	134	2	42	.17	.098	46	5	.03	836	.01	5	.73	.01	.14	1	76	1300
847	6	8	43	377	.1	31	11	1035	3.99	75	5	ND	11	67	1.0	60	2	36	.22	.122	45	4	.04	960	.01	4	.84	.01	.14	2	6	750
848	9	11	41	314	.9	32	12	936	4.58	360	5	ND	11	50	2.2	101	3	45	.09	.077	44	5	.03	731	.01	3	.71	.01	.10	2	144	1400
849	9	10	46	322	.6	37	12	1060	4.65	498	5	ND	11	59	2.9	126	3	43	.11	.098	50	3	.03	877	.01	6	.72	.01	.11	1	89	1800
850	9	8	52	401	.3	38	14	1113	4.34	221	5	ND	12	55	2.6	112	2	39	.18	.115	49	3	.03	786	.01	5	.72	.01	.14	1	21	1300
851	8	11	45	401	.6	43	14	1057	4.55	861	8	ND	12	63	3.2	144	2	46	.11	.095	51	4	.03	802	.01	6	.71	.01	.13	1	137	1500
852	9	8	41	315	.4	35	12	986	4.47	825	5	ND	13	45	2.7	145	2	40	.19	.113	55	3	.03	674	.01	4	.73	.01	.12	1	134	2000
853	6	8	39	347	.2	34	13	1276	4.43	1035	5	ND	14	55	2.0	108	2	34	.23	.128	56	2	.03	925	.01	3	.73	.01	.14	1	79	1100
854	7	8	32	326	.2	37	11	986	4.59	927	5	ND	13	61	3.2	102	2	41	.16	.112	55	5	.03	889	.01	3	.79	.01	.14	1	107	1500
855	7	8	44	421	.1	46	13	1714	4.52	312	5	ND	14	49	2.6	100	2	41	.26	.133	57	4	.03	753	.01	7	.76	.01	.14	1	73	1100
856	8	8	49	453	.1	51	14	1523	4.40	111	5	ND	15	32	3.7	94	2	33	.30	.143	56	4	.04	575	.01	2	.77	.01	.16	1	19	1200
857	6	10	71	412	.5	41	14	1027	4.06	100	5	ND	15	34	3.4	80	2	36	.32	.147	51	3	.04	539	.01	6	.78	.01	.16	1	33	1400
858	5	7	93	334	.2	33	11	761	3.65	176	5	ND	13	49	4.1	58	2	31	.19	.108	52	3	.03	696	.01	2	.79	.01	.15	1	28	1200
859	6	9	144	283	1.2	26	8	421	4.56	706	5	ND	12	50	2.3	73	2	43	.08	.072	52	4	.02	715	.01	2	.67	.01	.09	1	125	1600
860	5	10	62	226	.8	24	8	572	3.80	283	5	ND	14	86	2.6	94	3	41	.07	.077	58	6	.03	841	.01	3	.71	.01	.13	1	138	1700
861	3	16	47	241	.4	28	9	391	3.41	109	5	ND	13	121	2.8	30	4	28	.10	.104	53	2	.03	927	.01	5	.76	.01	.17	1	25	1300
862	4	16	47	204	.2	18	6	180	3.37	78	5	ND	12	117	1.4	24	2	25	.08	.108	52	3	.03	1091	.01	2	.77	.01	.17	1	16	1000
863	4	20	60	218	.3	15	6	165	3.32	117	5	ND	8	77	.4	25	3	30	.07	.080	38	4	.03	822	.01	2	.74	.01	.15	1	9	1100
864	3	20	49	227	.4	28	6	130	3.65	86	5	ND	9	218	.2	42	2	52	.17	.192	42	20	.03	1846	.01	5	.90	.01	.18	1	8	1200
865	3	13	36	181	.2	17	7	215	3.19	85	5	ND	7	67	.2	23	2	29	.06	.063	35	8	.03	692	.01	7	.69	.01	.14	1	12	740
STD C/AU-R	18	57	43	135	7.7	72	31	1059	3.84	38	18	7	37	48	18.1	15	23	59	.51	.100	39	55	.89	176	.09	31	1.92	.06	.14	12	510	1600

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	Hg ppb
R 866	4	12	21	194	.2	15	7	247	3.25	91	5	ND	8	42	.2	22	2	34	.06	.037	28	11	.03	475	.01	3	.57	.01	.10	1	6	1100
R 867	4	19	39	310	.1	33	15	457	3.70	63	6	ND	8	43	.4	27	2	35	.05	.035	24	12	.02	536	.01	3	.66	.01	.10	1	3	760
R 868	4	20	40	308	.1	25	11	492	3.31	47	5	ND	11	68	1.8	29	2	36	.05	.058	37	11	.03	1044	.01	4	.70	.01	.12	1	4	560
R 869	10	20	38	473	.3	35	9	280	4.30	139	5	ND	9	54	1.6	104	2	42	.06	.058	34	13	.03	758	.01	2	.66	.01	.11	1	7	1100
R 870	6	13	38	172	.2	11	3	50	2.11	75	5	ND	8	81	.2	50	2	26	.04	.063	30	12	.03	1110	.01	4	.58	.01	.11	3	7	540
R 871	6	18	79	114	2.0	19	4	42	1.52	45	5	ND	5	358	.6	63	2	453	.07	.261	24	68	.04	4877	.01	14	.87	.01	.14	1	10	1100
R 872	6	8	37	40	.9	7	2	32	.84	30	5	ND	6	164	.2	24	2	97	.05	.102	27	22	.02	2083	.01	9	.62	.01	.11	3	6	860
R 873	8	12	45	49	.4	10	2	37	1.20	44	5	ND	5	186	.2	38	2	132	.07	.132	23	23	.03	2757	.01	4	.74	.01	.10	1	5	950
R 874	8	16	53	82	.7	12	4	53	1.69	66	5	ND	6	265	.7	35	2	197	.06	.195	33	34	.04	4413	.01	10	.99	.01	.11	1	5	1200
R 875	6	17	42	133	.1	10	3	102	3.05	65	5	ND	9	106	.2	24	2	89	.04	.065	35	16	.02	1253	.01	5	.72	.01	.08	2	6	1100
R 876	5	17	36	190	.2	10	8	187	3.24	82	5	ND	12	91	.2	15	2	46	.03	.053	37	13	.02	1034	.01	2	.70	.01	.08	1	8	950
R 877	3	18	41	171	.1	13	8	202	3.15	76	5	ND	12	87	.9	15	2	46	.03	.053	35	13	.02	1025	.01	2	.73	.01	.08	1	5	920
R 878	4	22	32	138	.5	7	4	84	2.50	49	5	ND	12	92	.2	14	2	43	.03	.053	38	12	.02	1051	.01	2	.72	.01	.08	1	3	860
R 879	7	18	41	119	.3	11	3	63	4.30	85	5	ND	11	88	.2	25	2	63	.03	.050	36	13	.02	953	.01	3	.71	.01	.08	1	8	800
R 880	3	17	37	112	.2	5	3	79	3.17	54	5	ND	11	79	.2	19	2	51	.03	.043	31	16	.02	857	.01	2	.71	.01	.07	1	3	1400

90F-4

ACME ANA . LABORATORIES LTD. 852 E. HASTINGS ST. V: :R B.C. V6A 1R6 PHONE(604)253-3158 FAX(' -1716

GEOCHEMICAL ANALYSIS CERTIFICATE Brewery (LG)

Noranda Exploration Co. Ltd. PROJECT 9006-026 File # 90-1720 Page 1

P.O. Box 2380, 1050 Davie St., Vancouver BC V6B 3T5

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	Hg ppb
R 26	13	148	59	446	4.0	49	7	118	5.66	286	5	ND	6	75	4.9	41	2	85	.03	.133	22	24	.04	1001	.01	2	.48	.01	.23	1	35	2200
R 27	14	90	73	495	2.9	53	6	87	2.95	226	5	ND	9	444	4.4	24	2	289	.11	.315	29	40	.05	3337	.01	2	1.13	.01	.16	1	17	2100
R 28	14	84	32	649	2.0	68	9	406	2.55	216	5	ND	8	226	5.3	20	2	102	.27	.238	26	24	.04	2474	.01	2	.69	.01	.14	1	13	2400
R 29	12	67	44	1816	2.9	110	13	2893	4.72	351	5	ND	19	65	11.9	17	6	48	.13	.133	57	13	.04	1309	.01	2	.71	.01	.16	1	10	2300
R 30	8	60	41	1869	3.9	61	12	761	4.68	446	5	ND	20	28	10.4	16	9	59	.26	.175	61	14	.04	426	.01	2	.69	.01	.17	1	6	780
R 31	8	79	30	815	3.2	68	7	252	2.61	227	5	ND	7	170	5.3	21	2	133	.25	.194	24	26	.04	1340	.01	2	.62	.01	.12	1	24	1900
R 32	12	70	41	306	2.5	59	5	99	1.41	115	5	ND	5	603	2.8	12	2	253	.32	.479	27	60	.06	6110	.01	14	1.04	.01	.24	5	2	650
R 33	12	139	31	541	1.5	60	4	162	2.26	178	5	ND	3	294	4.6	20	2	263	.34	.311	17	40	.05	2951	.01	4	.78	.01	.18	1	5	950
R 34	17	114	51	495	1.1	47	3	132	1.90	161	5	ND	3	208	3.8	29	3	280	.10	.167	14	29	.04	2432	.01	5	.59	.01	.15	1	1	1300
R 35	13	85	67	415	2.7	56	6	139	1.59	147	5	ND	3	395	2.9	37	2	333	.42	.384	17	53	.06	4365	.01	13	.81	.01	.20	4	21	1200
R 36	12	72	55	505	2.0	38	5	152	2.75	204	5	ND	6	191	3.6	19	2	128	.12	.158	26	16	.05	2058	.01	2	.71	.01	.20	1	3	1900
R 37	7	31	49	407	.8	27	6	193	3.43	228	5	ND	9	54	3.2	15	2	16	.05	.072	38	4	.04	652	.01	2	.65	.01	.16	1	5	3000
R 38	7	27	57	555	.7	33	6	230	3.44	167	5	ND	11	55	3.6	21	2	20	.05	.072	42	3	.04	676	.01	2	.63	.01	.16	1	4	2100
R 39	13	36	67	707	1.3	47	11	1063	3.52	142	5	ND	12	52	6.2	34	2	18	.05	.079	44	5	.04	771	.01	2	.63	.01	.17	1	1	2500
R 40	13	24	75	473	1.0	39	9	760	3.46	555	5	ND	11	48	5.3	25	2	15	.05	.072	40	3	.03	709	.01	2	.56	.01	.14	1	1	2800
R 41	10	19	52	472	1.1	33	6	218	3.15	557	5	ND	11	54	4.9	25	2	18	.05	.071	40	2	.04	651	.01	2	.60	.01	.17	1	12	2400
R 42	9	16	43	395	.7	36	8	578	3.85	606	5	ND	11	52	4.1	21	2	18	.05	.085	42	3	.04	690	.01	2	.58	.01	.16	1	77	1200
R 43	13	20	40	595	.6	42	6	153	3.47	568	5	ND	10	64	3.9	33	2	22	.05	.089	38	2	.04	690	.01	2	.58	.01	.17	1	13	1050
R 44	15	40	62	603	1.6	37	4	173	3.42	367	5	ND	7	66	3.1	35	2	88	.05	.081	30	5	.05	751	.01	2	.55	.01	.17	1	8	1800
R 45	16	80	146	170	2.6	29	5	186	1.47	186	5	ND	3	393	1.5	29	2	622	.08	.208	15	41	.06	3860	.01	7	.77	.01	.18	2	44	3900
R 46	7	35	57	461	1.7	42	6	225	3.27	446	5	ND	7	89	2.7	40	2	65	.06	.089	30	7	.04	960	.01	2	.63	.01	.13	1	113	2200
R 47	18	86	130	445	3.0	56	6	183	2.51	390	5	ND	5	469	3.4	59	2	296	.46	.422	23	43	.06	4289	.01	12	.97	.01	.20	1	87	3500
R 48	17	53	114	583	2.8	56	7	347	3.08	494	5	ND	7	204	2.7	189	3	141	.08	.157	25	20	.04	2506	.01	2	.76	.01	.14	1	300	3900
R 49	10	43	115	527	1.8	42	8	301	4.06	876	6	ND	7	89	2.9	185	4	64	.06	.098	27	10	.04	1073	.01	4	.65	.01	.13	1	350	2600
R 50	15	58	107	184	2.3	32	4	200	1.58	338	5	ND	3	239	1.8	108	2	245	.19	.184	16	31	.04	2752	.01	12	.63	.01	.15	1	105	3200
R 51	11	51	110	182	2.6	30	5	220	1.46	218	5	ND	3	275	2.2	71	2	237	.24	.203	14	29	.04	2657	.01	12	.64	.01	.14	1	57	1900
R 52	8	37	115	321	1.6	39	7	219	2.77	495	5	ND	8	131	2.1	125	2	62	.05	.086	29	10	.03	1036	.01	2	.57	.01	.14	1	62	2000
R 53	5	19	64	205	.8	27	6	195	2.49	470	5	ND	9	75	1.7	88	2	37	.08	.077	35	4	.04	782	.01	2	.47	.01	.17	1	58	2100
R 54	4	19	144	259	2.0	17	6	181	2.84	746	5	ND	12	89	3.1	107	2	17	.06	.069	42	4	.05	726	.01	2	.56	.01	.18	1	65	1800
R 55	3	19	122	401	2.5	24	5	126	3.19	732	5	ND	13	101	3.3	603	2	25	.07	.083	45	5	.05	677	.01	2	.59	.01	.16	1	106	1500
R 56	7	40	147	588	4.7	44	4	123	3.84	658	5	ND	12	148	3.8	305	2	93	.36	.243	43	10	.05	979	.01	2	.78	.01	.18	1	250	3300
R 57	28	243	84	983	5.9	162	9	265	3.07	483	5	ND	4	683	7.8	262	2	1171	4.23	2.068	35	111	.12	3132	.01	23	1.45	.01	.41	1	59	9500

GEOCHEMICAL A' YSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9006-029 File # 90-1771 Page 1

P.O. Box 2380, 1050 Davie St., Vancouver BC V6B 3I5

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	Hg ppb
R 58	16	59	84	1441	3.0	117	11	806	6.89	1446	5	ND	7	116	19.5	1825	2	208	.25	.212	30	20	.03	1724	.01	6	.56	.01	.11	1	1160	4500
R 59	6	14	40	870	1.2	56	13	2787	6.57	2193	5	2	10	41	5.8	1678	2	58	.09	.090	39	6	.03	1118	.01	2	.48	.01	.10	1	2180	1900
R 60	3	9	38	360	.6	23	8	1437	3.96	1531	5	ND	10	34	1.8	793	2	19	.09	.067	42	2	.03	831	.01	4	.46	.01	.12	1	630	1600
R 61	6	15	39	420	.7	42	11	1941	3.51	732	5	ND	7	40	2.1	454	2	35	.06	.054	29	7	.03	859	.01	3	.53	.01	.11	1	94	2100
R 62	4	7	43	286	.1	33	11	1478	3.19	530	5	ND	9	36	1.6	303	2	37	.04	.046	30	14	.03	691	.01	2	.51	.01	.10	1	11	780
R 63	5	12	38	275	.7	36	11	1239	3.75	1058	5	ND	9	37	2.0	303	2	29	.06	.049	32	11	.03	693	.01	7	.51	.01	.12	1	260	3600
R 64	4	16	77	327	.9	31	10	1111	3.29	618	5	ND	12	58	1.4	233	2	45	.10	.083	33	15	.03	934	.01	2	.50	.01	.07	1	129	2500
R 65	4	17	60	331	1.1	29	10	819	3.74	541	5	ND	13	42	1.6	282	2	25	.10	.061	43	7	.03	636	.01	2	.52	.01	.11	1	68	1800
R 66	5	23	322	456	2.0	21	10	831	4.40	1820	5	ND	13	38	3.3	373	2	15	.06	.047	45	2	.04	630	.01	2	.50	.01	.13	1	123	2500
R 67	7	30	75	414	1.5	48	10	1319	4.41	1196	5	ND	10	93	2.8	411	2	47	.15	.123	42	13	.03	1588	.01	2	.60	.01	.12	1	380	1800
R 68	5	22	145	279	2.8	20	8	644	4.30	1243	5	ND	13	36	1.2	388	2	13	.08	.057	48	1	.03	569	.01	3	.45	.01	.11	1	320	1300

Noranda Exploration Co. Ltd PROJECT 9007-026 FILE # 90-2334

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	Hg ppb
R 5776	7	29	13	179	.2	25	3	50	1.31	90	5	ND	3	87	.3	11	2	50	.04	.035	14	6	.02	869	.01	2	.36	.01	.09	1	3	290
R 5777	12	38	16	147	.2	50	5	120	3.07	369	5	ND	6	86	.7	21	2	83	.07	.049	23	10	.03	951	.01	4	.47	.01	.12	1	79	700
R 5778	5	28	27	201	.1	40	8	292	2.89	226	5	ND	15	80	2.0	18	2	28	.17	.099	44	12	.02	872	.01	3	.59	.01	.08	1	57	3200
R 5779	5	19	14	202	.1	37	8	358	3.59	384	5	ND	14	22	1.4	10	2	39	.36	.124	55	19	.16	374	.01	3	.70	.01	.12	1	123	1900
R 5780	2	16	18	224	.1	46	11	408	3.46	65	5	ND	14	34	.4	6	2	62	.43	.118	41	29	.59	771	.01	7	1.44	.01	.13	2	17	480
R 5781	2	13	14	217	.1	48	11	572	3.64	75	5	ND	16	32	.5	5	2	76	.46	.133	46	34	.90	652	.02	2	1.69	.01	.12	1	16	380
R 5782	9	16	20	365	.1	76	12	519	4.17	427	5	ND	17	56	.4	21	2	62	.30	.101	46	22	.26	759	.03	4	.97	.01	.14	2	220	2100
R 5783	8	17	29	236	.5	53	12	863	4.25	1596	5	ND	17	61	.6	237	5	42	.16	.070	51	21	.18	1043	.01	5	.68	.01	.08	1	1460	2800
R 5784	14	17	26	360	.6	83	11	454	4.57	1127	5	ND	14	69	.2	36	5	29	.07	.067	37	16	.16	953	.01	7	.53	.01	.08	2	540	4100
R 5785	11	19	44	191	1.0	41	11	630	3.44	1475	5	ND	9	217	.2	27	2	75	.06	.136	26	17	.03	2762	.01	4	.62	.01	.07	2	1220	6000
R 5786	7	28	23	147	1.6	34	6	121	1.37	199	5	ND	3	543	.6	10	2	195	.05	.302	10	43	.04	5577	.01	2	.82	.01	.05	2	116	4100
R 5787	9	42	13	204	1.1	51	6	181	1.83	252	5	ND	3	257	.2	19	2	168	.07	.133	12	33	.03	2636	.01	7	.66	.01	.09	1	131	3300
R 5788	8	19	17	167	.9	46	5	177	1.74	468	5	ND	4	93	.9	175	3	79	.05	.041	16	17	.02	819	.01	2	.52	.01	.08	1	1500	4600
R 5789	9	23	53	296	5.9	61	10	379	3.03	1873	5	6	9	63	4.5	4152	3	40	.10	.044	30	11	.02	911	.01	2	.46	.01	.05	1	6740	4400
R 5790	16	30	54	648	2.2	134	14	360	4.76	1358	5	2	13	42	3.7	1323	5	58	.19	.084	46	16	.03	604	.01	2	.67	.01	.06	1	1760	3500
R 5791	22	27	58	693	2.8	120	13	377	5.33	1168	5	ND	18	44	1.2	162	2	33	.18	.103	56	13	.03	583	.01	3	.51	.01	.10	2	590	3800
R 5792	27	36	86	946	1.0	177	18	544	6.81	1378	5	ND	17	47	1.9	151	2	51	.25	.110	59	17	.18	724	.04	2	.91	.01	.16	1	260	2200
R 5793	14	24	28	687	.3	148	27	1121	5.30	909	5	ND	17	40	.6	62	2	72	.39	.114	46	27	.52	1120	.12	2	1.65	.01	.30	1	126	2600
R 5794	14	21	26	585	.2	123	23	1945	5.07	854	5	ND	17	42	.2	49	3	65	.40	.100	49	24	.32	1352	.06	3	1.35	.01	.22	1	79	2300
R 5795	26	50	20	900	.3	168	28	893	8.19	1505	5	ND	18	107	.5	100	2	90	.28	.169	61	59	.05	1967	.01	2	.70	.01	.07	1	96	2700
STANDARD C/AU-R	18	57	36	132	7.2	67	30	1032	3.99	38	21	6	36	48	17.9	15	21	55	.50	.092	37	56	.91	173	.07	33	1.91	.06	.14	14	520	1400

BCTR 90G-1

1 - .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.
IS 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.
AMPLE TYPE: Rock AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: JUN 26 1990 **DATE REPORT MAILED:** June 30 /90 **SIGNED BY..** D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Brewery
3,27

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 5007-C07 File # 90-2112 Page 1

P.O. Box 2580, 1050 Davie St., Vancouver BC V6B 3T5

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	Hg ppb
R 5796	28	56	12	770	.2	164	30	1101	7.33	1326	5	ND	20	119	.2	68	5	81	.36	.190	69	6	.8	378	.11	4	.62	.01	.07	1	22	3100
R 5801	24	46	26	785	.1	158	33	2155	7.18	1374	5	ND	22	138	.2	54	6	84	.25	.167	71	6	.8	272	.11	8	.81	.01	.07	2	42	4800
R 5802	17	28	37	506	.3	92	18	958	5.47	739	5	ND	20	190	.2	47	4	63	.09	.108	46	3	.6	495	.11	19	.80	.01	.07	1	46	4000
R 5803	25	34	35	615	.1	110	20	940	6.30	661	5	ND	16	165	.2	53	4	78	.05	.095	41	5	.8	512	.11	11	.84	.01	.05	1	26	2830
R 5804	33	63	36	636	.1	113	28	1335	7.83	629	5	ND	11	199	.6	46	2	106	.03	.094	43	8	.8	548	.11	2	.86	.01	.04	2	22	3900
R 5805	24	55	41	697	.2	121	26	1572	6.66	853	7	ND	16	155	.9	46	2	104	.18	.330	52	8	.8	859	.06	15	1.22	.01	.13	2	34	5700
R 5806	16	57	16	720	.1	139	29	1668	5.85	443	5	ND	19	98	1.2	60	2	128	.54	.201	66	8	.8	2104	.14	16	1.33	.01	.25	1	18	1800
R 5807	13	35	17	504	.1	95	18	1472	4.48	247	5	ND	20	152	.2	186	2	90	.31	.157	57	6	.8	2306	.06	6	1.15	.01	.14	1	33	2900
R 5808	13	18	35	408	.1	57	10	714	4.17	284	5	ND	20	158	.3	252	2	61	.15	.109	47	2	.4	1146	.01	13	.76	.01	.07	1	72	3500
R 5809	7	22	37	549	.6	70	11	818	4.31	202	5	ND	19	48	.9	13	2	61	.45	.121	52	2	.4	2166	.06	15	1.67	.01	.18	1	38	1050
R 5810	6	19	8	556	.1	76	11	797	4.11	362	5	ND	19	45	.8	118	2	77	.49	.135	78	2	.4	2518	.09	9	1.68	.01	.27	1	17	1400
R 5811	6	21	18	476	.1	63	11	668	4.09	623	5	ND	19	73	.6	226	6	59	.33	.124	57	3	.3	1300	.04	7	1.21	.01	.16	1	44	1500
R 5812	10	41	14	511	.1	81	18	1059	4.70	341	5	ND	19	74	.6	278	2	131	.43	.183	56	6	.3	1224	.04	11	.99	.01	.13	1	49	1380
R 5813	9	40	14	528	.1	90	21	1084	4.92	372	5	ND	20	67	.6	157	2	113	.55	.180	52	7	.3	1152	.03	12	1.40	.01	.22	1	53	1280
R 5814	6	38	23	519	.1	79	17	1253	4.62	236	5	ND	20	56	.6	119	5	122	.60	.165	51	5	.6	1300	.03	3	1.92	.02	.35	1	24	650
R 5815	1	10	36	352	.2	29	7	572	1.19	2	5	ND	1	42	1.0	3	2	1	.64	.006	26	1	.3	1373	.01	2	.33	.01	.05	1	67	1600
R 5816	9	22	61	600	.6	80	14	1287	4.63	1325	5	ND	18	189	.7	395	2	62	.10	.069	38	3	.6	1376	.01	6	.79	.01	.06	1	1430	5400
R 5817	2	20	27	500	.1	75	11	911	3.83	181	5	ND	18	52	.9	106	2	99	.58	.127	48	4	.9	1150	.02	6	2.26	.03	.38	1	81	500
R 5818	3	21	14	438	.4	60	10	763	3.86	400	5	ND	19	48	1.1	95	4	86	.59	.126	52	3	.6	1135	.01	3	1.94	.02	.37	2	125	1100
R 5819	5	27	19	526	.1	83	15	1108	4.52	232	5	ND	23	44	.5	95	2	70	.58	.140	63	3	.4	1165	.01	7	1.61	.01	.22	1	28	880
R 5820	6	18	40	362	.3	47	10	641	4.47	656	5	ND	17	122	.2	750	2	64	.10	.075	39	2	.8	1136	.08	16	.73	.01	.04	1	840	10800
R 5821	4	21	26	364	.1	44	13	650	3.71	417	5	ND	17	137	.2	439	2	63	.04	.048	37	2	.8	985	.04	6	.66	.01	.04	2	780	6700
R 5822	5	17	32	347	.1	37	11	678	3.60	991	5	ND	17	147	.7	360	2	67	.03	.056	37	2	.8	1142	.01	4	.68	.01	.03	1	430	6600
R 5823	5	20	29	383	.3	44	11	1241	3.48	847	5	ND	18	131	.3	973	2	55	.09	.065	60	2	.8	988	.01	6	.74	.01	.05	1	340	6400
R 5824	8	22	24	818	.1	111	20	1501	4.97	999	5	ND	20	77	1.1	1056	3	75	.28	.107	48	3	.1	1175	.02	3	1.09	.01	.05	1	200	4000
R 5825	8	24	26	896	.1	105	21	1021	5.45	896	5	ND	22	76	.7	1039	5	89	.17	.092	46	3	.0	880	.01	6	.72	.01	.03	2	82	3800
R 5826	6	27	100	749	1.6	84	17	897	4.44	1861	8	ND	12	151	3.3	11762	2	70	.22	.064	42	2	.0	1197	.01	8	.83	.01	.04	1	1710	5900
R 5827	4	22	33	433	.1	53	16	1307	5.00	502	5	ND	20	126	.2	327	2	83	.10	.075	41	3	.0	958	.01	12	.74	.01	.03	1	91	6800
R 5828	4	19	34	381	.1	45	13	868	3.79	700	5	ND	20	84	.4	332	2	66	.18	.093	45	2	.0	846	.01	7	.76	.01	.04	1	450	4100
R 5829	2	20	36	333	.2	53	13	744	3.73	571	5	ND	20	43	.3	427	2	90	.65	.135	48	3	.5	1108	.01	8	1.87	.02	.14	1	380	1800
R 5830	4	15	26	393	.1	43	12	654	4.79	659	5	ND	18	91	.5	336	2	67	.18	.097	39	2	.0	1189	.01	5	.66	.01	.04	1	137	6500
R 5831	7	26	273	708	2.9	54	15	1071	6.32	1751	5	2	19	107	.8	826	2	63	.14	.088	43	2	.0	813	.01	16	.66	.01	.06	1	2310	5200
R 5832	3	16	50	158	2.5	10	4	289	2.44	5178	5	11	14	102	.2	334	2	40	.04	.037	33	2	.0	734	.01	10	.56	.01	.04	2	10710	9200
R 5833	3	16	52	283	2.0	12	5	285	4.57	7872	5	9	13	124	1.2	355	2	45	.08	.030	29	2	.0	903	.01	9	.53	.01	.05	1	9220	5900
R 5834	2	16	26	217	1.7	18	7	288	3.21	4353	5	8	12	79	.2	679	2	33	.06	.025	27	2	.0	932	.01	6	.43	.01	.05	1	8440	6800
R 5835	4	22	32	259	1.0	29	12	931	3.34	2625	5	4	13	97	1.5	1562	2	34	.07	.034	31	2	.0	764	.01	4	.53	.01	.05	2	4640	6100
STANDARD C/AU-R	17	60	36	132	7.2	67	38	1028	4.00	37	19	5	37	48	18.4	15	18	57	.51	.097	37	57	.90	779	.07	34	1.95	.06	.13	14	550	1600

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. AL DETECTION LIMIT BY ICP IS 3 PPM.
- SAMPLE TYPE: P1-P2 Rock P3-P6 Cutting AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: JUN 28 1990 **DATE REPORT MAILED:** July 4/90 **SIGNED BY** ..... J. DE, D. LEUNG, J. WANG; CERTIFIED B.C. ASSAYERS

ACME 906-1

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	Hg ppb
R 5836	6	30	36	444	1.1	66	22	2131	3.51	1574	6	ND	17	109	1.6	2788	2	43	.15	.071	55	16	.04	937	.01	4	.67	.01	.11	1	1070	3580
R 5837	3	24	94	226	1.3	31	10	248	2.34	1354	5	ND	14	84	1.1	2622	2	30	.05	.036	46	10	.01	662	.01	2	.61	.01	.11	1	1290	3480
R 5838	5	21	235	380	2.8	35	6	314	2.97	1033	5	ND	13	87	2.6	1267	2	27	.05	.041	39	9	.02	718	.01	2	.54	.01	.12	1	350	5180
R 5839	4	16	47	367	1.5	38	6	255	2.81	906	5	ND	14	87	3.7	1424	2	32	.05	.046	42	9	.01	657	.01	2	.51	.01	.10	1	200	5580
R 5840	5	15	74	444	1.7	44	7	289	3.18	865	5	ND	15	117	1.5	1001	2	27	.08	.063	39	8	.02	838	.01	2	.56	.01	.13	1	121	3180
R 5841	4	18	45	526	1.4	50	10	601	3.16	633	5	ND	14	102	1.6	1063	2	45	.04	.049	35	14	.01	703	.01	3	.57	.01	.09	1	134	5800
R 5842	6	21	55	587	1.7	67	12	658	3.32	769	5	ND	15	110	1.2	1266	2	38	.04	.069	34	13	.01	908	.01	2	.58	.01	.09	1	152	4300
R 5843	5	22	59	612	1.5	67	12	519	3.46	637	5	ND	17	119	1.5	745	3	48	.04	.052	33	17	.02	925	.01	5	.67	.01	.10	1	40	8500

ACME ANALYTICAL LABORATORIES LTD.

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9007-026 File # 90-2334 Page 1

P.O. Box 2380, 1050 Davie St., Vancouver BC V6B 3T5

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	Hg ppb
R 5844	1	18	31	268	.1	42	12	656	3.73	225	5	ND	18	47	.5	140	2	97	.52	.122	50	39	.96	909	.19	2	2.09	.83	.50	1	1	540
R 5845	1	17	29	221	.1	37	11	613	3.67	207	5	ND	17	49	.4	67	2	100	.52	.125	44	44	1.21	1015	.19	6	2.03	.84	.53	1	15	230
R 5846	3	17	41	393	.1	66	15	730	4.45	616	5	ND	19	43	.3	345	2	85	.46	.128	57	32	.59	789	.11	7	1.78	.82	.34	2	115	1500
R 5847	3	18	38	318	.1	42	12	758	3.91	723	5	ND	18	105	.2	1801	2	68	.30	.091	42	28	.40	958	.07	11	1.28	.01	.18	1	340	2900
R 5848	2	17	42	228	.2	39	11	597	3.58	268	5	ND	15	55	.3	430	2	88	.43	.105	38	40	1.13	739	.13	13	1.80	.03	.33	1	59	620
R 5849	1	18	36	198	.1	30	10	570	3.68	238	5	ND	17	70	.3	167	2	94	.58	.115	42	39	1.12	973	.18	6	1.82	.03	.29	1	23	650
R 5850	4	17	43	265	.1	46	11	874	3.65	460	5	ND	18	93	.3	234	2	77	.37	.095	40	31	.68	1881	.09	11	1.35	.02	.12	2	73	2000
R 5851	4	20	43	299	.2	44	12	1047	4.27	569	5	ND	18	111	.4	557	2	73	.29	.101	41	28	.29	1042	.05	7	1.12	.01	.13	1	58	3600
R 5852	3	18	49	250	.1	36	12	805	4.34	445	5	ND	16	105	.2	567	2	67	.25	.076	35	26	.26	1202	.05	7	1.10	.01	.10	1	62	3400
R 5853	2	18	46	198	.1	32	10	725	4.03	264	5	ND	18	101	1.2	117	2	86	.51	.103	41	34	.61	1049	.13	6	1.52	.02	.15	3	25	2200
R 5854	2	20	31	163	.1	25	10	652	3.78	311	5	ND	20	66	.9	92	2	95	.70	.122	52	40	.86	1015	.16	13	1.90	.03	.20	1	45	820
R 5855	2	18	30	172	.1	25	12	854	4.26	295	5	ND	18	78	.2	80	2	90	.52	.111	41	37	.64	1065	.12	6	1.58	.02	.12	1	24	2400
R 5856	5	20	66	227	.2	31	14	790	4.64	591	5	ND	17	124	.2	124	2	77	.14	.073	35	28	.08	1101	.01	9	.89	.01	.05	2	96	6200
R 5857	4	17	30	167	.1	24	11	742	3.71	398	5	ND	18	118	.2	78	2	74	.26	.086	33	28	.28	1295	.06	10	1.18	.01	.08	1	34	4300
R 5858	4	20	47	197	.1	32	13	849	4.17	332	5	ND	18	132	.2	74	2	76	.18	.082	36	30	.19	1051	.04	8	1.19	.01	.09	1	50	6500
R 5859	4	19	44	201	.1	31	13	989	4.32	533	5	ND	19	118	.3	104	2	77	.16	.074	36	30	.21	1263	.04	5	1.15	.01	.08	1	36	3700
R 5860	4	20	32	209	.1	38	13	961	4.54	314	5	ND	19	104	.3	108	3	88	.24	.094	42	34	.21	1155	.05	11	1.19	.01	.11	1	53	4500
R 5861	6	19	46	255	.1	41	11	813	4.97	676	5	ND	18	91	.5	207	4	74	.19	.089	45	27	.05	883	.01	3	.83	.01	.06	2	83	5800
R 5862	5	19	36	287	.1	48	13	1024	4.96	545	5	ND	18	151	.2	228	2	77	.08	.074	38	29	.04	1307	.01	10	1.05	.01	.04	2	107	5100
R 5863	6	21	38	386	.1	61	13	1018	4.94	511	5	ND	19	132	.2	252	2	85	.11	.085	40	32	.04	1284	.01	10	.97	.01	.04	1	37	4900
R 5864	7	21	34	389	.3	50	13	1043	4.70	1144	5	ND	17	183	.3	903	2	60	.11	.066	40	24	.03	985	.01	4	.82	.01	.05	1	1090	6600
R 5865	7	17	48	306	.2	45	13	820	4.55	1003	5	ND	16	130	.4	795	2	54	.05	.058	39	22	.03	1192	.01	5	.88	.01	.06	1	330	5800
R 5866	5	19	36	314	.2	62	13	796	4.38	534	5	ND	18	103	.3	455	2	78	.32	.097	40	33	.48	1043	.10	11	1.48	.02	.20	2	87	2600
R 5867	6	23	72	324	.3	59	11	707	4.15	653	5	ND	20	93	.8	496	2	73	.27	.102	44	27	.13	721	.02	11	1.06	.01	.08	1	230	3800
R 5868	7	21	79	361	.2	62	12	641	4.70	373	5	ND	21	94	.3	247	2	75	.35	.122	51	29	.13	815	.02	9	1.11	.01	.10	1	37	4600
R 5869	3	19	65	275	.2	48	12	509	3.49	306	5	ND	20	47	.6	151	2	78	.62	.134	49	32	.45	825	.04	3	1.64	.01	.15	1	50	1700
R 5870	2	18	35	190	.3	34	10	614	3.80	370	5	ND	18	51	.8	167	2	82	.56	.120	50	35	.76	968	.11	4	1.78	.03	.24	2	104	820
R 5871	4	16	28	164	.1	28	10	491	3.73	330	5	ND	17	92	.8	112	2	75	.36	.095	42	30	.31	1256	.06	3	1.21	.01	.11	1	51	4000
R 5872	5	20	46	234	.3	40	13	934	5.03	661	5	ND	18	95	.6	162	2	79	.36	.097	52	30	.25	1587	.02	9	1.27	.01	.08	1	1050	5100
R 5873	6	20	72	294	.2	47	14	928	4.78	301	5	ND	20	139	.4	148	3	85	.30	.102	45	31	.17	1200	.02	8	1.23	.01	.06	1	26	4400
R 5874	4	21	56	268	.1	40	12	627	4.06	288	5	ND	19	58	1.3	111	3	84	.58	.121	55	33	.48	1123	.07	7	1.63	.01	.12	1	54	2600

BC TC 906-1

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9007-026 File # 90-2334 Page 1

P.O. Box 2380, 1050 Davie St., Vancouver BC V6B 3T5

BOTR906-2

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	Hg ppb
R 5876	2	20	55	240	.1	38	14	1030	4.99	417	5	ND	18	87	.8	11	2	64	.12	.052	36	27	.06	1581	.01	10	.94	.01	.08	2	31	3100
R 5877	1	16	22	104	.1	16	11	688	3.55	257	5	ND	19	75	.2	8	2	47	2.10	.102	58	22	.12	726	.01	7	.98	.01	.13	2	44	2500
R 5878	2	17	31	154	.1	26	13	948	4.38	95	5	ND	21	81	.2	8	2	67	.31	.100	50	29	.08	857	.01	9	.94	.01	.09	1	3	3300
R 5879	1	19	30	150	.1	44	15	724	3.68	52	5	ND	19	44	.8	15	2	70	.58	.119	57	28	.28	1462	.01	6	1.46	.01	.10	3	4	1050
R 5880	2	19	31	164	.1	68	19	953	4.45	73	5	ND	19	50	1.5	16	3	73	.57	.117	77	30	.37	1716	.01	6	1.75	.01	.12	2	1	880
STANDARD C/AU-R	17	57	38	133	7.2	69	31	1027	4.06	42	20	7	37	47	18.4	16	18	57	.52	.093	36	56	.93	174	.07	36	1.91	.06	.14	11	480	1400

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: P1-P3 Rock P4-P5 Cutting AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: JUL 6 1990 **DATE REPORT MAILED:** July 13/90 **SIGNED BY** ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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	Hg ppb
R 5881	2	17	12	111	.1	56	16	1108	3.52	157	5	ND	18	42	1.9	17	2	76	.54	.117	66	29	.38	1367	.01	2	1.50	.01	.06	1	20	1100
R 5882	5	14	28	109	.1	69	19	1168	3.44	101	5	ND	19	73	.2	12	4	92	.52	.123	81	23	.15	1003	.01	2	1.12	.01	.05	5	1	2200
R 5883	7	18	18	163	.1	140	26	2266	4.06	156	5	ND	19	80	1.3	15	3	83	.37	.123	61	25	.06	1251	.01	6	.73	.01	.05	1	1	3100
R 5884	9	17	23	234	.1	232	95	5548	3.92	238	5	ND	19	43	8.7	20	8	71	.46	.124	85	25	.20	1531	.01	4	1.10	.01	.06	1	4	3300
R 5885	5	19	25	279	.1	185	79	3347	3.80	103	5	ND	18	53	9.0	20	2	78	.56	.123	59	32	.45	1810	.01	5	1.80	.01	.08	1	4	2400
R 5886	10	22	29	213	.5	327	40	6974	3.69	151	5	ND	20	51	17.0	26	5	85	.60	.130	79	36	.39	1839	.01	16	1.68	.01	.08	6	2	1200
R 5887	13	17	21	382	.1	237	32	566	6.27	277	5	ND	18	34	4.6	49	2	68	.45	.123	72	20	.14	731	.01	6	1.12	.01	.06	2	3	570
R 5888	9	18	12	403	.2	257	32	319	6.39	337	5	ND	17	32	4.3	43	2	62	.42	.118	55	26	.28	816	.01	4	1.58	.01	.07	1	1	620
R 5889	4	21	24	176	.1	87	16	646	3.76	405	5	ND	20	55	1.6	19	2	41	.31	.115	59	14	.05	536	.01	17	.73	.01	.09	1	220	2500
R 5890	3	19	30	168	.1	92	22	883	3.48	254	5	ND	20	65	1.2	25	2	59	.33	.112	63	21	.10	1077	.01	4	.96	.01	.07	1	13	1900
R 5891	7	17	24	251	.2	101	22	513	3.87	202	5	ND	19	66	1.7	20	2	57	.28	.102	71	19	.07	592	.01	5	.75	.01	.07	1	40	2600
R 5892	3	17	26	171	.1	70	17	941	3.58	374	5	ND	20	137	1.4	21	2	69	.11	.072	46	21	.03	1003	.01	11	.64	.01	.06	1	9	3700
R 5893	3	20	25	201	.1	50	16	1087	3.76	595	5	ND	17	87	2.3	48	2	67	.04	.038	35	25	.02	957	.01	7	.67	.01	.05	1	28	3200
R 5894	3	16	20	167	.2	44	19	872	3.62	353	5	ND	19	142	1.7	35	2	71	.11	.074	47	22	.03	1021	.01	6	.65	.01	.05	1	15	3800
R 5895	3	18	22	209	.1	53	16	708	3.19	809	5	ND	17	102	1.3	39	2	62	.03	.043	28	17	.01	985	.01	7	.65	.01	.04	1	230	8400
R 5896	3	19	25	221	.3	72	21	962	3.95	1503	5	2	18	115	1.3	48	2	73	.06	.046	38	19	.03	1060	.01	10	.78	.01	.04	1	1540	6800
R 5897	4	22	27	204	.5	62	16	913	4.01	1263	5	2	16	129	1.5	95	2	55	.03	.060	38	20	.03	1396	.01	10	.84	.01	.05	1	1140	19000
R 5898	2	16	19	217	.2	87	21	1063	3.87	1276	5	2	16	93	.9	118	2	58	.06	.040	40	16	.02	973	.01	6	.59	.01	.04	1	1120	9200
R 5899	4	17	29	185	.2	66	12	747	3.76	1875	6	ND	16	83	1.9	75	2	61	.05	.036	36	22	.02	860	.01	6	.68	.01	.05	8	18	54000
R 5900	5	14	23	220	.1	78	16	607	3.55	1183	5	ND	17	76	1.9	87	2	60	.03	.037	33	19	.01	792	.01	10	.63	.01	.05	2	14	39000
R 5901	4	18	30	242	.2	69	15	600	3.48	1131	5	ND	17	70	1.8	127	2	52	.03	.033	36	15	.03	761	.01	7	.70	.01	.07	1	39	26000
R 5902	5	19	44	284	.4	64	14	505	3.56	944	5	ND	16	80	2.2	79	2	54	.04	.035	30	17	.02	811	.01	10	.78	.01	.06	3	240	17000
R 5903	2	15	15	168	.4	43	11	745	2.57	1367	5	ND	14	75	1.3	64	2	46	.04	.032	32	12	.01	835	.01	8	.64	.01	.05	2	400	31000
R 5904	2	14	22	116	1.0	24	7	406	2.63	2953	13	2	15	70	.9	85	2	27	.07	.028	43	6	.02	861	.01	10	.53	.01	.08	1	1390	30000
R 5905	2	15	23	173	.7	49	12	655	3.03	2214	8	2	15	70	.7	105	2	35	.07	.030	41	8	.02	809	.01	6	.53	.01	.06	3	1020	37000
R 5906	3	16	21	202	.8	46	13	1023	3.30	1851	5	ND	16	75	2.6	108	2	31	.08	.032	40	9	.03	907	.01	15	.62	.01	.08	1	780	21000
R 5907	3	19	24	169	.7	48	12	486	2.66	807	5	ND	12	84	1.8	228	2	50	.09	.033	37	12	.04	1037	.01	11	.64	.01	.09	1	320	10800
R 5908	5	20	30	110	.3	44	10	87	1.81	348	5	ND	6	88	.2	73	2	41	.09	.026	34	8	.05	1287	.01	9	.60	.01	.18	1	42	3100
R 5909	3	42	12	232	.3	75	20	464	3.96	260	5	ND	9	75	.6	108	2	30	.09	.053	44	7	.06	838	.01	12	.63	.01	.18	1	1	1800
R 5910	3	29	30	304	.6	66	19	1164	3.63	318	5	ND	13	92	4.5	78	2	23	.11	.081	52	3	.04	1062	.01	10	.60	.01	.12	1	3	3700
R 5911	9	13	19	103	1.1	41	6	122	.88	117	5	2	5	264	.2	69	2	139	.16	.083	19	23	.05	2578	.01	31	.69	.01	.10	6	3	6800
R 5912	11	37	5	175	1.3	78	4	42	1.32	79	5	ND	2	443	.2	33	2	340	.22	.180	11	31	.04	2883	.01	8	.54	.01	.08	1	3	4000
R 5913	14	50	95	167	2.2	52	4	51	1.40	121	5	ND	3	428	.2	61	2	300	.15	.158	12	37	.03	3004	.01	22	.66	.01	.07	4	7	2800
R 5914	8	54	57	153	1.2	54	4	59	1.57	152	5	ND	3	522	.2	104	2	223	.48	.315	17	31	.03	3115	.01	17	.73	.01	.08	4	10	7700
R 5915	9	35	17	100	1.0	42	3	54	1.25	124	5	ND	3	375	.2	60	2	358	.27	.169	15	26	.04	2689	.01	17	.66	.01	.11	1	9	3500
R 5916	11	32	23	139	1.2	54	4	71	1.27	145	5	ND	3	382	.2	82	2	249	.13	.129	15	24	.04	2674	.01	10	.58	.01	.10	1	20	2600
STANDARD C/AU-R	20	59	40	133	8.0	75	32	1062	3.70	41	16	8	36	53	19.0	15	22	60	.56	.094	39	59	.88	180	.08	38	1.95	.06	.13	11	530	1600

Sa	Pr	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	Bg ppb
R	5917	10	16	32	357	.6	100	14	631	4.51	976	5	ND	14	186	.8	127	2	30	.10	.056	66	13	.06	990	.01	6	.61	.01	.07	2	510	5200
R	5918	10	23	38	379	.2	99	13	712	4.78	2029	5	2	13	101	.2	87	2	27	.11	.052	44	13	.06	1822	.01	9	.71	.01	.09	2	3330	4800
R	5919	6	17	53	383	.1	53	15	537	5.58	519	5	ND	15	147	.2	102	3	67	.04	.050	36	38	.02	854	.01	3	.67	.01	.03	2	230	3500
R	5920	6	15	50	266	.1	55	11	348	4.74	588	5	ND	15	115	.2	111	2	48	.05	.044	32	23	.02	717	.01	9	.69	.01	.06	2	220	4500

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9007-030 File # 90-2362 Page 1

P.O. Box 2380, 1050 Davie St., Vancouver BC V6B 3Y5

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	Hg ppb
R 136901	47	119	84	1363	1.4	235	10	452	6.16	993	8	ND	3	239	18.3	26	2	171	.06	.204	12	30	.03	2216	.02	3	.88	.01	.04	2	85	1200
R 136902	39	75	41	968	1.1	137	6	262	4.32	615	7	ND	3	184	14.8	15	2	178	.04	.177	13	32	.01	2612	.02	12	.64	.01	.05	1	38	680
R 136903	49	109	49	1428	1.7	194	15	1332	6.06	819	5	ND	8	144	22.6	17	2	146	.07	.148	23	30	.02	1275	.01	5	.86	.01	.08	1	51	1600
R 136904	54	79	154	1407	1.9	219	13	521	5.49	787	5	ND	3	198	19.8	20	5	245	.05	.172	12	39	.02	2203	.04	8	.66	.01	.03	1	32	960
R 136905	41	46	59	1071	1.3	147	14	410	4.78	565	5	ND	4	159	13.6	17	5	194	.04	.162	13	32	.01	1715	.03	14	.58	.01	.07	1	20	730
R 136906	41	111	33	4516	.7	605	19	354	10.28	1166	9	ND	16	57	26.3	16	2	82	.20	.163	32	31	.48	1011	.01	4	1.95	.01	.09	3	11	1300
R 136907	44	71	20	4527	.9	653	29	584	10.06	1188	7	ND	14	49	24.1	17	6	81	.24	.152	38	32	.83	1079	.02	2	2.13	.01	.12	2	8	1500
R 136908	37	92	20	3519	.5	591	24	429	8.01	935	5	ND	14	85	17.4	14	2	94	.19	.131	41	35	.75	850	.03	4	1.99	.01	.14	1	12	880
R 136909	34	58	55	860	.7	117	6	245	3.64	621	6	ND	3	161	13.2	19	2	77	.04	.112	12	17	.03	1576	.01	12	.50	.01	.06	2	36	700
R 136910	24	42	33	657	.6	89	4	109	2.73	378	5	ND	4	119	8.3	6	2	92	.05	.077	18	22	.04	1319	.01	8	.54	.01	.12	1	15	510
R 136911	30	46	22	721	.5	96	6	254	3.32	566	5	ND	3	110	14.6	7	2	110	.03	.092	10	20	.01	1516	.01	15	.42	.01	.06	1	6	600
R 136912	33	36	39	803	.6	111	5	231	3.51	505	5	ND	3	58	11.4	7	2	75	.03	.057	9	17	.02	781	.01	10	.32	.01	.05	1	7	520
R 136913	35	39	11	695	.8	103	4	147	3.43	472	5	ND	3	69	10.0	8	2	79	.03	.056	11	17	.02	749	.01	8	.35	.01	.07	1	9	600
R 136914	32	47	16	987	.5	134	6	145	4.58	646	5	ND	4	44	13.1	11	2	135	.04	.057	11	20	.01	768	.01	9	.36	.01	.04	1	2	430
R 136915	26	48	31	1851	.3	309	17	488	7.39	635	7	ND	14	33	9.0	19	3	58	.07	.096	40	25	.06	334	.01	10	.83	.01	.08	4	2	420
R 136916	21	58	28	1460	.1	230	12	188	5.46	407	7	ND	16	52	4.9	12	2	63	.13	.103	48	26	.05	413	.01	11	.88	.01	.11	1	2	500
R 136917	54	45	45	1165	.9	131	6	52	5.99	706	5	ND	6	166	12.3	11	2	253	.09	.106	23	43	.06	517	.01	17	.84	.01	.21	2	4	7600
R 136918	41	27	47	1096	.7	150	5	29	5.01	628	8	ND	6	110	12.5	6	2	183	.09	.081	23	43	.06	1725	.01	13	.79	.01	.14	1	4	1500
R 136919	26	34	24	428	.8	42	3	36	2.36	211	5	ND	6	277	3.4	10	2	159	.09	.100	22	39	.05	1764	.01	17	.66	.01	.11	1	8	820
R 136920	18	34	21	127	.7	20	2	33	1.33	76	5	ND	4	180	.6	7	2	135	.09	.087	15	23	.05	2195	.01	12	.64	.01	.12	1	25	2000
R 136921	9	7	34	232	.4	22	3	28	1.85	485	5	ND	10	96	.2	13	2	52	.04	.037	31	16	.02	664	.01	7	.58	.01	.06	2	860	5600
R 136922	19	16	28	561	.3	62	9	99	4.75	901	5	ND	12	106	.2	21	2	63	.04	.050	27	22	.01	726	.01	14	.76	.01	.05	1	390	4500
R 136923	11	12	37	313	1.0	42	4	58	3.08	1274	5	5	10	95	.9	26	2	41	.04	.037	26	16	.01	621	.01	9	.55	.01	.05	2	4430	10800
R 136924	11	16	62	515	.4	71	9	151	3.52	805	5	ND	14	106	.2	24	2	70	.03	.053	26	27	.01	710	.01	10	.92	.01	.04	2	920	6700
R 136925	15	19	49	670	.5	108	7	94	4.41	1212	5	ND	13	78	4.4	39	2	70	.04	.057	26	25	.02	606	.01	12	.79	.01	.04	1	1130	8300
R 136926	10	20	41	903	.1	130	15	564	4.07	408	5	ND	14	101	1.7	79	2	97	.03	.062	24	31	.01	922	.01	11	1.03	.01	.03	2	80	4300
R 136927	6	55	113	609	20.1	63	9	315	3.25	1346	5	7	7	83	28.4	17613	2	48	.17	.031	25	17	.01	834	.01	9	.54	.01	.05	1	7210	8400
R 136928	7	30	47	780	.2	100	10	325	4.07	794	5	ND	18	84	2.2	1174	2	76	.16	.093	54	29	.19	834	.03	2	1.28	.01	.12	1	260	4500
R 136929	16	28	44	1353	.1	114	15	491	6.21	709	5	ND	19	38	5.4	294	2	78	.32	.115	52	29	.39	837	.08	4	1.56	.01	.29	2	200	3600
R 136930	11	21	63	1254	.1	123	27	1758	4.30	474	7	ND	18	45	6.5	84	2	75	.36	.105	56	29	.52	1275	.11	7	1.75	.02	.37	1	280	2800
R 136931	21	23	67	1254	.3	123	28	1337	5.26	593	5	ND	18	58	7.2	276	2	69	.22	.106	60	24	.18	923	.03	3	1.03	.01	.16	1	980	3900
R 136932	32	42	60	1332	.5	140	24	1412	6.46	1503	5	ND	22	103	8.5	156	4	37	.12	.106	68	24	.04	1061	.01	7	.72	.01	.12	2	730	3800
R 136933	12	36	66	869	1.7	81	10	322	4.67	2434	5	ND	19	142	11.9	4335	2	29	.12	.057	54	23	.03	1182	.01	3	.64	.01	.11	1	1450	2800
R 136934	12	30	43	1136	.1	124	24	658	5.04	1049	5	ND	20	42	6.7	695	2	65	.28	.187	66	28	.40	876	.08	6	1.55	.01	.30	1	460	2700
R 136935	16	21	30	1241	.1	180	42	2092	4.31	505	7	ND	18	43	4.9	170	2	88	.44	.130	53	37	.82	1785	.20	5	2.38	.02	.48	1	121	1200
R 136936	12	21	47	1164	.1	161	27	1421	4.24	329	5	ND	18	54	3.5	76	2	94	.50	.120	50	41	1.08	1655	.20	11	2.55	.03	.45	1	85	780
STANDARD C/AU-R	18	58	37	132	7.2	72	29	1030	4.03	39	19	6	36	52	18.1	15	18	55	.53	.095	36	59	.93	182	.07	35	1.93	.06	.14	11	520	1500

BCTR1 G-3

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: P1-P3 Rock P4-P7 Cutting AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: JUL 9 1990 DATE REPORT MAILED: July 14/90 SIGNED BY. C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Noranda Exploration Co. Ltd. PROJECT 9007-030 FILE # 90-2362

BCTR 90-G3

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	Hg ppb
R 136937	9	18	24	1049	.1	113	20	894	3.43	379	5	ND	18	39	3.8	49	2	81	.48	.124	44	31	.64	1441	.13	4	2.10	.01	.37	1	270	1900
R 136938	8	20	41	1063	.1	105	14	751	4.80	270	7	ND	17	34	3.5	43	2	89	.39	.118	59	37	.94	1264	.17	6	2.19	.02	.49	1	17	1050
R 136939	13	17	24	611	.2	59	12	624	2.97	425	5	ND	18	117	5.2	174	2	47	.10	.081	46	20	.02	968	.01	5	.69	.01	.09	1	131	3300
R 136940	11	15	23	471	.2	47	5	363	2.40	560	5	ND	18	116	5.6	70	2	48	.12	.083	47	22	.12	1014	.01	9	.82	.01	.11	1	420	2000
R 136941	16	19	27	799	.3	95	19	1349	3.45	783	8	ND	19	51	7.5	66	2	57	.30	.117	61	23	.34	1920	.06	10	1.34	.01	.28	1	570	2400
R 136942	7	17	22	828	.2	95	19	624	3.56	363	5	ND	17	42	3.4	59	2	81	.39	.129	49	36	.83	1468	.14	6	2.06	.01	.44	1	330	2800
R 136943	19	12	29	584	.4	63	16	687	3.25	726	5	ND	16	101	4.4	403	2	24	.05	.079	40	11	.03	1256	.01	11	.93	.01	.16	1	980	3200
R 136944	7	7	20	419	.2	36	6	184	1.97	364	5	ND	14	62	2.5	242	2	22	.10	.065	38	14	.10	713	.01	7	.69	.01	.14	1	210	3400
R 136945	14	15	39	442	.7	30	9	231	3.10	1049	5	ND	13	79	3.5	1770	2	25	.08	.071	43	11	.04	917	.01	9	.60	.01	.13	1	1420	3700
R 136946	9	8	32	292	.4	17	3	50	3.03	975	5	ND	14	61	1.7	547	2	11	.04	.059	34	4	.02	712	.01	6	.51	.01	.15	1	200	1600
R 136947	8	10	31	527	.3	40	8	228	3.76	984	5	ND	12	71	2.2	574	2	17	.03	.061	40	7	.02	696	.01	11	.54	.01	.12	1	430	5300
R 136948	7	9	27	598	.8	53	4	69	4.56	1490	5	ND	12	94	1.8	2743	2	22	.04	.055	40	7	.02	922	.01	9	.70	.01	.13	1	910	5100
R 136949	5	17	34	833	.2	64	8	196	4.69	699	5	ND	15	53	3.1	429	2	28	.11	.092	42	9	.07	1154	.01	4	.78	.01	.14	1	74	4600
R 136950	7	16	42	861	.1	73	14	614	4.73	669	5	ND	15	87	2.7	192	2	42	.04	.059	42	20	.03	815	.01	5	.79	.01	.13	1	87	9600
R 136951	10	9	40	525	.5	40	5	86	3.67	1178	5	ND	13	117	2.5	199	2	17	.04	.071	45	6	.02	1257	.01	12	.60	.01	.12	1	360	7800
R 136952	9	15	32	706	.3	36	6	76	4.35	1347	5	ND	12	123	.3	108	4	37	.04	.081	37	11	.02	1203	.01	5	.66	.01	.09	1	280	7600
R 136953	4	16	49	447	.3	51	11	624	3.66	1185	5	ND	13	63	.2	141	2	20	.15	.099	42	9	.03	884	.01	11	.60	.01	.15	1	310	3200
R 136954	5	11	98	322	3.2	22	4	42	4.07	1426	5	3	10	105	.2	107	2	18	.05	.068	34	9	.02	1049	.01	11	.48	.01	.15	1	3520	5000
R 136955	8	19	43	566	.7	43	8	238	3.69	1606	5	ND	15	34	.3	111	2	37	.09	.058	39	18	.03	547	.01	13	.54	.01	.13	1	830	3000
R 136956	7	14	104	532	.5	38	7	136	3.58	1323	5	ND	15	72	.5	109	2	37	.05	.061	39	16	.02	822	.01	6	.59	.01	.10	1	620	2600
R 136957	5	19	41	607	.3	40	10	480	3.68	830	5	ND	14	99	.2	94	2	46	.03	.058	30	19	.01	1227	.01	4	.70	.01	.06	1	330	3600
R 136958	5	28	42	1449	.2	83	20	1397	5.81	395	7	ND	17	50	1.3	122	2	57	.12	.094	41	27	.02	617	.01	6	.67	.01	.09	1	42	2500
R 136959	4	17	57	431	.6	30	5	185	3.14	784	5	ND	16	74	.4	66	2	29	.10	.077	39	14	.04	772	.01	6	.72	.01	.14	1	102	3300
R 136960	4	19	35	583	.2	42	7	368	4.02	741	5	ND	16	49	1.3	75	2	34	.19	.097	43	16	.19	608	.03	12	.99	.01	.19	1	290	1600
R 136961	5	17	28	751	.2	64	17	1571	3.55	581	5	ND	14	88	.3	79	3	37	.11	.071	36	20	.20	925	.02	7	1.06	.01	.14	1	133	2900
R 136962	6	17	33	786	.1	69	14	1090	5.15	325	5	ND	16	30	.3	86	3	24	.17	.099	45	14	.15	447	.01	12	.80	.01	.15	1	44	2100
R 136963	4	18	20	736	.1	93	13	829	4.04	101	6	ND	15	28	.4	29	2	37	.29	.111	39	21	.56	754	.01	4	1.22	.01	.16	1	20	820
R 136964	3	26	52	390	.7	41	9	398	2.94	323	5	ND	4	28	.2	25132	2	18	.27	.086	27	10	.11	139	.01	6	.65	.01	.12	1	133	1300
R 136965	5	27	42	537	.1	65	18	860	4.00	345	6	ND	15	49	.2	94	5	40	.19	.092	42	21	.35	723	.01	6	1.11	.01	.15	1	32	450
R 136966	2	17	34	444	.1	52	11	549	3.71	180	5	ND	15	50	.2	101	2	44	.35	.105	41	26	.60	563	.02	6	1.33	.01	.14	1	15	560
R 136967	2	15	25	412	.2	60	13	555	3.79	75	5	ND	15	28	.2	38	6	54	.38	.112	40	35	.97	404	.06	8	1.63	.02	.23	1	14	120
R 136968	4	19	21	487	.2	76	16	769	4.45	160	6	ND	14	36	.2	112	2	59	.36	.122	39	49	.99	504	.03	3	1.69	.01	.22	1	10	310
R 136969	10	33	37	639	.6	85	11	149	5.23	926	5	ND	9	118	.4	567	6	30	.08	.061	35	10	.04	1319	.01	4	.68	.01	.13	1	58	1800
R 136970	10	26	43	952	.3	104	13	164	5.90	445	5	ND	10	102	.2	567	2	31	.07	.076	40	9	.03	880	.01	9	.57	.01	.13	1	21	2600
R 136971	5	14	47	363	.6	37	6	119	3.19	457	5	ND	9	82	.2	212	3	14	.05	.062	40	5	.02	656	.01	7	.59	.01	.13	1	74	5400
R 136972	11	23	59	650	.5	81	10	163	4.21	875	5	ND	9	88	1.2	691	2	22	.06	.051	35	9	.02	714	.01	4	.60	.01	.11	1	49	3500
STANDARD C/AU-R	18	57	41	132	7.2	66	30	1032	4.06	39	20	7	37	47	17.4	15	23	55	.52	.097	36	55	.92	173	.07	36	1.94	.06	.14	12	510	1300

BCTR90G-3

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	Hg ppb
R 136973	43	56	63	3108	.9	961	68	15814	8.19	1643	5	ND	11	72	13.7	1821	2	46	.28	.100	41	25	.31	2784	.02	3	1.33	.01	.16	2	46	3000
R 136974	11	33	44	1507	.1	245	28	1062	5.60	772	5	ND	12	32	3.3	744	2	52	.33	.136	37	34	.39	472	.02	6	1.14	.01	.15	1	17	590
R 136975	17	35	43	1200	.3	206	20	2000	5.53	1689	5	ND	10	78	4.6	872	2	30	.13	.077	43	17	.03	1035	.01	8	.69	.01	.12	1	740	3100
R 136976	5	9	44	399	.4	38	5	268	2.63	1938	5	ND	8	88	1.8	818	2	21	.06	.038	35	7	.03	925	.01	6	.50	.01	.14	1	1180	1900
R 136977	6	10	67	533	.2	70	11	848	4.18	1016	5	ND	10	103	.7	144	2	16	.06	.062	42	9	.03	1011	.01	9	.56	.01	.12	1	137	3300
R 136978	6	10	45	587	.2	64	11	717	4.45	876	5	ND	14	104	1.6	139	2	14	.05	.063	51	7	.03	1123	.01	9	.58	.01	.13	1	59	3600
R 136979	5	11	46	424	.1	54	11	874	4.32	1783	5	ND	12	108	.9	90	2	15	.12	.055	44	6	.03	1120	.01	9	.54	.01	.12	1	390	3300
R 136980	5	11	41	458	.1	57	11	929	3.91	1751	5	ND	12	90	.7	80	2	17	.06	.043	44	8	.02	832	.01	12	.53	.01	.11	1	760	4500
R 136981	3	12	59	319	.4	36	9	808	4.01	3229	5	ND	13	105	.2	51	2	15	.15	.045	43	6	.02	924	.01	8	.55	.01	.13	1	1740	2800
R 136982	4	9	51	314	.1	44	11	1003	3.96	1279	5	ND	10	91	.2	49	3	20	.06	.038	37	8	.03	809	.01	9	.51	.01	.11	1	220	3900

Noranda Exploration Co. Ltd. PROJECT 9007-058 FILE # 90-2616

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	Hg ppb
R 136676	2	14	40	275	.7	15	6	301	2.41	1885	5	2	11	89	2.5	48	2	29	.05	.034	36	8	.01	735	.01	8	.57	.01	.07	2	1190	4800
R 136677	3	23	58	297	1.0	14	8	347	3.04	2288	5	2	13	112	3.3	43	2	26	.06	.033	33	8	.01	747	.01	9	.49	.01	.08	3	1950	3700
R 136678	2	21	118	615	1.0	36	15	1123	3.18	2305	5	2	13	89	9.5	72	2	28	.20	.038	35	8	.04	871	.01	9	.56	.01	.09	2	1680	10000
R 136679	2	17	53	361	.3	27	16	1131	4.03	1108	5	ND	16	149	2.3	60	2	44	1.07	.083	46	18	.05	1376	.01	6	.65	.01	.09	1	540	4200
R 136680	2	18	86	331	.8	35	17	1154	3.79	1215	5	ND	15	96	2.3	83	2	33	.50	.113	51	14	.09	996	.01	8	.75	.01	.12	1	310	1500
STANDARD C/AU-R	19	62	43	133	7.9	72	30	1053	3.96	43	20	8	37	53	18.5	14	21	56	.48	.096	38	59	.88	179	.07	36	1.94	.06	.14	12	510	1500

BETR 90-4

Noranda Exploration Co. Ltd. PR T 9007-058 FILE # 90-2616

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	ppb
R 136681	3	20	196	277	.8	27	12	1396	3.71	1229	5	ND	12	125	2.6	82	2	24	1.26	.060	42	12	.06	1145	.01	11	.62	.01	.10	1	270	2500
R 136682	3	16	81	313	.5	32	14	1049	3.69	503	5	ND	9	76	2.8	55	3	19	.36	.038	38	10	.04	834	.01	5	.54	.01	.09	1	180	2800
R 136683	3	15	58	196	.2	32	14	1304	3.55	593	5	ND	7	67	2.2	33	2	16	.53	.025	33	10	.05	575	.01	7	.51	.01	.10	2	64	2000
R 136684	3	16	44	125	.1	25	12	914	3.70	889	5	ND	6	71	.7	27	2	16	1.77	.022	25	9	.07	460	.01	6	.43	.01	.09	1	170	1800
R 136685	3	15	126	262	.7	25	12	842	3.44	360	5	ND	8	71	1.3	47	3	17	.61	.035	36	7	.04	793	.01	7	.51	.01	.09	1	77	1500
R 136686	3	10	394	382	1.4	26	10	550	3.49	189	5	ND	7	55	1.7	106	2	10	.06	.022	34	4	.03	484	.01	9	.44	.01	.09	1	210	1100
R 136687	3	13	543	489	2.0	30	11	795	3.98	348	5	ND	7	69	3.2	125	5	12	.04	.031	28	5	.03	716	.01	7	.47	.01	.09	1	180	1200
R 136688	3	13	388	686	2.2	33	15	1853	4.11	213	5	ND	7	69	5.8	83	5	12	.05	.026	29	3	.03	636	.01	7	.50	.01	.10	1	73	1100
R 136689	4	26	133	246	.8	24	10	291	3.82	839	5	ND	9	60	1.5	73	5	12	.06	.029	36	4	.03	630	.01	10	.45	.01	.09	1	160	1200
R 136690	3	41	98	195	1.4	43	12	279	3.80	882	5	ND	11	64	2.4	81	21	11	.05	.028	41	3	.03	607	.01	6	.53	.01	.09	1	180	1400
R 136691	3	29	47	231	.4	52	19	904	3.91	1555	5	ND	13	72	6.6	29	2	19	.07	.031	44	7	.03	728	.01	9	.56	.01	.09	1	290	1200
R 136692	4	26	207	357	.3	33	23	1580	4.27	225	5	ND	13	79	3.0	49	2	22	.30	.034	39	13	.04	771	.01	6	.58	.01	.09	1	11	2000
R 136693	4	23	58	207	.1	37	25	1191	4.40	135	5	ND	14	85	2.1	18	2	29	.10	.043	39	14	.05	773	.01	10	.58	.01	.08	1	7	3100
R 136694	4	25	67	210	.1	57	24	1605	3.74	56	5	ND	14	51	1.5	19	2	29	.24	.090	47	11	.06	1590	.01	12	.55	.01	.11	1	2	630
R 136695	4	32	35	182	.1	54	18	1090	4.17	80	5	ND	20	58	1.1	17	2	51	.50	.119	64	38	.07	470	.01	5	.58	.01	.11	1	2	650
R 136696	3	29	26	114	.1	42	16	1032	4.04	58	5	ND	22	53	1.3	14	2	34	1.49	.122	61	28	.12	341	.01	5	.60	.01	.14	1	1	560
R 136697	4	31	48	195	.1	45	17	1362	4.13	61	5	ND	25	61	1.7	14	3	45	.43	.122	64	45	.27	403	.03	2	.77	.01	.18	1	1	580
R 136698	3	33	37	186	.1	48	17	1258	4.29	54	5	ND	25	78	1.7	17	2	48	.32	.109	64	41	.15	557	.02	2	.60	.01	.16	1	1	2300
R 136699	4	35	36	191	.1	58	17	1294	4.48	125	5	ND	23	104	2.0	13	2	37	.08	.053	58	31	.04	1011	.01	3	.55	.01	.11	2	1	3500
R 136700	4	36	104	259	.3	59	18	1379	4.96	452	5	ND	19	90	2.8	19	3	30	.16	.032	48	27	.05	886	.01	6	.54	.01	.10	1	40	2200
R 136701	4	53	216	468	2.6	77	17	612	5.12	386	5	ND	18	91	3.4	34	2	30	.37	.026	46	28	.06	619	.01	6	.55	.01	.09	1	21	1800
R 136702	5	49	60	259	.4	78	20	576	5.31	1063	5	ND	17	93	4.4	28	2	20	.06	.029	52	12	.04	767	.01	5	.51	.01	.10	2	37	2400
R 136703	7	36	36	213	.3	33	6	77	3.34	66	5	ND	11	99	1.6	12	2	36	.09	.041	40	10	.05	1224	.01	7	.51	.01	.12	2	4	2100
R 136704	4	40	231	414	1.3	40	10	204	5.84	363	5	ND	17	96	1.9	41	2	30	.03	.039	45	19	.02	1308	.01	4	.54	.01	.08	1	36	2800
R 136705	4	59	90	286	1.7	58	23	805	5.40	350	5	ND	21	96	2.4	24	3	39	.22	.060	51	28	.06	831	.01	4	.62	.01	.11	1	7	3000
R 136706	3	52	280	482	.9	54	21	1354	4.71	393	5	ND	19	92	3.6	51	3	37	.08	.038	46	29	.04	878	.01	5	.59	.01	.09	1	6	2600
R 136707	3	35	92	359	.4	44	16	1550	4.25	255	5	ND	21	116	5.8	21	2	36	.46	.069	53	29	.08	1018	.01	4	.50	.01	.11	1	4	2800
R 136708	3	29	91	215	.4	33	14	1056	3.54	154	5	ND	13	84	2.3	20	2	30	.07	.049	36	22	.04	1254	.01	3	.55	.01	.10	1	7	1900
R 136709	3	19	59	128	.1	20	8	305	3.26	145	5	ND	14	79	1.6	16	2	10	.07	.070	42	5	.04	720	.01	6	.47	.01	.12	1	7	2500
R 136710	2	24	73	193	.1	33	16	821	3.74	74	5	ND	15	50	1.7	17	2	19	.19	.094	44	10	.08	331	.01	7	.61	.01	.17	1	2	570
R 136711	3	34	31	207	.1	36	18	975	3.91	188	5	ND	14	70	1.7	15	2	16	.28	.106	47	7	.07	470	.01	7	.57	.01	.17	1	1	1100
R 136712	3	24	48	140	.4	28	9	373	3.43	72	5	ND	14	85	1.8	16	2	18	.06	.056	41	7	.04	878	.01	4	.55	.01	.12	1	1	2000
R 136713	2	22	66	201	1.1	37	11	247	3.84	96	5	ND	13	115	2.7	23	2	13	.04	.054	43	6	.03	1108	.01	8	.54	.01	.11	1	7	2200
R 136714	3	22	79	156	1.3	32	12	1438	4.06	117	5	ND	14	101	3.6	16	2	12	.26	.083	39	7	.10	709	.01	10	.53	.01	.13	1	14	2100
R 136715	2	25	97	178	1.0	26	9	376	4.23	121	5	ND	14	85	1.2	20	2	17	.05	.046	41	8	.03	985	.01	7	.57	.01	.10	1	6	2800
R 136716	3	32	63	231	.7	49	17	669	3.50	107	5	ND	13	89	1.4	27	2	16	.09	.074	44	7	.05	1120	.01	7	.46	.01	.13	1	16	1800
STANDARD C/AU-R	18	63	43	134	7.6	72	30	1051	3.96	42	20	7	36	52	18.5	15	21	57	.48	.091	38	60	.88	179	.07	32	1.95	.06	.14	12	510	1500

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	ppb
R 136717	3	38	37	149	.1	42	23	1457	5.01	306	6	ND	15	118	.3	12	2	20	.12	.075	54	14	.06	1104	.01	10	.60	.01	.13	1	32	1600
R 136718	4	37	36	118	.3	44	18	2147	4.78	573	5	ND	17	102	.8	17	2	27	.30	.044	45	21	.06	924	.01	11	.57	.01	.12	1	148	1500
R 136719	3	27	35	102	.1	36	16	1815	4.45	257	5	ND	20	115	.2	20	2	38	.52	.046	54	36	.05	897	.01	6	.52	.01	.09	1	73	1900
R 136720	4	30	36	224	.1	46	19	1630	4.53	246	5	ND	25	98	2.7	16	2	45	.52	.095	63	38	.08	850	.01	9	.62	.01	.14	1	23	1700
R 136721	3	32	55	144	.2	45	17	1769	4.52	400	7	ND	21	105	.5	32	2	37	.90	.088	54	31	.06	981	.01	9	.50	.01	.11	1	31	1400
R 136722	5	31	134	441	.6	54	19	1063	5.08	366	5	ND	18	150	3.4	47	2	23	.05	.056	47	18	.03	1247	.01	9	.54	.01	.10	1	58	1900
R 136723	6	46	27	147	.1	54	26	2706	6.80	895	5	ND	22	212	1.3	157	2	54	.12	.070	68	37	.06	1602	.01	10	.56	.01	.09	1	290	2300
R 136724	4	33	28	113	.1	41	15	1392	4.43	709	5	ND	16	121	.3	149	2	34	.72	.062	47	25	.08	933	.01	3	.43	.01	.10	1	380	2500
R 137037	3	24	47	416	.2	45	14	753	3.72	1427	5	ND	14	97	5.0	99	2	34	.05	.042	39	14	.02	902	.01	12	.64	.01	.07	1	240	3400
R 137038	3	24	124	665	.9	31	11	939	3.98	1607	5	ND	13	116	10.3	108	4	36	.05	.055	44	14	.02	1311	.01	9	.64	.01	.08	1	490	5600
R 137039	3	20	76	381	.7	29	15	1337	4.46	3477	5	2	11	108	5.9	541	2	39	.79	.036	28	17	.15	749	.01	6	.55	.01	.08	1	1800	3300
R 137040	2	16	48	239	.4	27	16	1293	4.67	4038	8	2	14	96	3.0	376	2	45	.25	.036	38	17	.04	795	.01	7	.59	.01	.08	1	1760	4180
R 137041	1	44	16	219	1.8	21	11	930	3.45	1399	5	3	1	102	8.3	21079	2	29	.87	.012	10	12	.17	56	.01	6	.43	.01	.07	1	2940	5480
R 137042	3	28	55	219	1.4	18	9	675	4.26	7201	5	7	6	89	9.5	6761	2	28	.27	.026	28	14	.03	634	.01	2	.54	.01	.09	1	6110	3500
STANDARD C/AU-R	19	57	35	132	7.2	70	29	1024	4.01	38	18	7	38	53	18.6	16	20	55	.51	.093	38	57	.94	181	.07	33	1.95	.06	.14	15	460	1500

(5-4)

GEOCHEMICAL LYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJE.. 9008-016 File # 90-3085 Page 1

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3I5

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	Hg ppb
R 124226	3	31	243	444	2.1	33	14	705	4.09	1353	5	ND	14	110	5.1	120	3	32	.06	.047	42	14	.03	1029	.01	6	.79	.01	.11	1	430	2300
R 124227	3	27	130	664	1.0	35	17	1450	4.40	929	6	ND	14	127	8.3	52	5	39	.06	.064	45	19	.03	1512	.01	7	.79	.01	.10	1	230	3000
R 124228	1	7	12	45	.1	6	6	1789	3.35	326	5	ND	7	179	.6	4	2	13	22.74	.052	56	6	.19	1028	.01	2	.36	.01	.12	1	85	120

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: P1 Rock P2-P3 Core P4-P7 Cutting AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.
HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: JUL 31 1990 **DATE REPORT MAILED:** Aug 9/90. **SIGNED BY** C. Leong ,D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

R 124226 / 124227 { Resample of BCTR90G-4E (sample #'s 137037-137038)

R 124228 Grab sample 5 m. of trench G-6

Noranda Exploration Co. Ltd. PROJECT 9007-058 FILE # 90-2616

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	Hg ppb
R 136626	2	19	75	266	.9	66	23	520	3.81	618	5	ND	21	37	2.0	182	4	73	.32	.122	51	37	.65	694	.10	8	1.52	.02	.33	1	129	1100
R 136627	3	20	75	284	.6	44	21	849	4.14	881	5	ND	18	93	2.1	249	2	72	.24	.102	45	34	.52	1001	.09	9	1.26	.02	.30	1	530	2800
R 136628	3	27	50	318	.3	29	12	1063	3.92	1347	7	ND	19	103	2.5	268	2	49	.12	.070	41	21	.03	656	.01	3	.60	.01	.05	1	910	5000
R 136629	3	18	54	176	.1	29	16	1309	4.74	1187	8	ND	20	123	.6	285	2	65	.12	.087	49	20	.04	1008	.01	2	.68	.01	.04	1	580	5600
R 136630	2	19	45	146	.1	29	13	728	4.02	184	5	ND	19	44	.4	54	2	79	.38	.120	49	34	.50	723	.12	6	1.32	.03	.36	1	87	1800
R 136631	3	19	49	154	.1	25	14	1102	3.41	344	5	ND	15	102	.6	61	2	55	.03	.042	32	19	.03	754	.01	4	.71	.01	.04	2	102	7500
R 136632	4	22	84	305	.6	43	19	1750	4.42	1654	13	ND	12	87	2.6	120	2	60	.03	.033	30	21	.03	670	.01	3	.65	.01	.04	1	890	9600
R 136633	3	19	67	212	.2	33	17	1353	4.51	650	8	ND	12	85	1.6	85	2	67	.02	.037	23	20	.02	695	.01	3	.67	.01	.03	1	175	7800
R 136634	3	21	57	178	.3	34	15	1348	5.40	1539	13	2	14	68	1.6	461	2	71	.03	.030	35	23	.03	592	.01	4	.61	.01	.03	1	1270	5200
R 136635	3	18	52	164	.1	23	13	1120	4.20	263	5	ND	15	96	1.0	47	3	65	.02	.035	32	21	.02	663	.01	2	.54	.01	.01	1	47	6800
R 136636	2	19	54	167	.1	24	13	1046	3.70	310	5	ND	15	82	.2	55	2	67	.03	.033	27	20	.03	660	.01	3	.60	.01	.02	1	51	7700
R 136637	2	17	59	161	.2	19	13	865	3.51	323	5	ND	13	65	.3	52	3	56	.02	.029	25	18	.04	535	.01	2	.61	.01	.03	1	55	7200
STANDARD C/AU-R	19	62	43	136	7.7	72	31	1028	3.96	41	18	8	37	53	18.4	16	20	55	.48	.100	37	61	.88	179	.07	38	1.86	.06	.13	14	480	1600

Noranda Exploration Co. Ltd. PROJECT 9007-058 FILE # 90-2616

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	Hg ppb
R 136638	4	24	62	174	.1	23	13	1222	4.00	154	5	ND	14	85	1.8	70	2	78	.12	.047	33	29	.05	599	.01	9	.63	.01	.03	1	40	8200
R 136639	3	58	283	357	.4	20	12	712	3.36	74	5	ND	21	38	2.9	17	2	90	.43	.127	63	41	.29	1111	.03	3	1.08	.01	.14	1	24	2500
R 136640	3	19	52	138	.1	17	10	669	3.38	167	5	ND	19	67	1.0	18	2	85	.35	.098	51	39	.52	1332	.08	2	1.43	.02	.21	2	48	3300
R 136641	3	18	67	137	.3	17	10	994	3.53	1623	5	ND	13	72	.5	103	2	64	.05	.025	28	19	.03	536	.01	3	.46	.01	.02	5	1160	11000
R 136642	6	19	56	148	.1	20	13	1028	3.92	448	5	ND	13	65	1.3	80	2	71	.04	.027	25	24	.04	567	.01	10	.56	.01	.02	2	300	6800
R 136643	4	18	76	165	.5	19	11	1145	3.76	1759	5	2	12	73	1.2	53	2	55	.19	.025	26	20	.04	585	.01	8	.55	.01	.05	2	1610	6400
R 136644	2	18	41	120	.7	23	10	1077	3.83	2711	5	2	8	103	.9	61	2	26	1.74	.024	24	15	.13	465	.01	8	.47	.01	.08	1	1750	7300
R 136645	3	22	49	117	.2	21	11	874	3.22	879	5	ND	8	104	.2	27	2	28	1.66	.025	28	15	.11	465	.01	8	.57	.01	.09	1	600	3800
R 136646	3	19	58	187	.3	56	16	1028	3.67	1372	5	ND	8	74	2.0	56	2	23	.96	.022	31	12	.08	460	.01	10	.54	.01	.09	1	500	3400
R 136647	3	19	57	183	.4	52	16	1381	3.75	1160	5	ND	9	57	1.8	36	3	23	.52	.022	35	12	.04	481	.01	9	.55	.01	.10	1	710	5400
R 136648	4	32	48	331	.1	73	19	883	5.73	1129	5	ND	7	53	2.6	41	2	21	.06	.022	28	11	.03	1734	.01	11	.54	.01	.08	1	95	4400
R 136649	4	34	20	121	.2	32	5	67	1.68	133	5	ND	7	53	.2	27	2	30	.15	.022	33	5	.03	749	.01	6	.50	.01	.13	2	260	1400

Noranda Exploration Co. Ltd. PROJECT 9007-058 FILE # 90-2616

BCTR 90G-6

BCTR 90G-6

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	Hg ppb
R 136601	2	17	36	139	.1	16	13	979	4.01	392	5	ND	18	113	1.3	16	2	58	.10	.050	38	20	.05	949	.01	4	.69	.01	.05	1	79	3400
R 136602	2	18	40	154	.2	20	13	1262	3.75	993	7	ND	14	119	1.1	21	2	59	.17	.043	27	19	.05	870	.01	5	.57	.01	.04	1	420	3800
R 136603	1	18	34	129	.2	17	9	592	3.02	108	5	ND	17	95	.7	6	3	72	1.96	.100	43	35	.65	1064	.11	6	1.35	.03	.36	1	31	1900
R 136604	1	19	38	125	.1	13	8	521	3.18	20	5	ND	18	61	1.2	8	3	81	1.26	.120	48	37	.81	1029	.16	6	1.44	.03	.51	1	3	450
R 136605	2	19	138	409	1.5	17	11	1312	3.73	364	5	ND	16	102	2.7	36	2	48	.86	.059	32	17	.05	765	.01	5	.55	.01	.05	1	76	4600
R 136606	2	19	83	309	.7	19	11	984	3.94	501	5	ND	18	87	3.8	34	3	67	.36	.104	43	29	.48	1466	.09	8	1.20	.02	.31	1	210	3800
R 136607	2	18	122	220	.6	17	11	725	3.37	668	5	ND	18	69	1.1	103	3	71	.37	.099	43	33	.61	943	.11	8	1.30	.02	.38	1	570	1800
R 136608	2	17	26	134	.1	17	10	781	3.39	75	5	ND	20	45	1.4	29	3	81	.45	.126	53	34	.41	591	.10	2	.97	.02	.28	1	22	1400
R 136609	1	22	180	629	.8	20	12	963	4.08	237	5	ND	20	74	5.6	36	2	64	.52	.105	48	22	.21	990	.02	5	.89	.01	.14	1	78	3200
R 136610	2	18	52	163	.3	18	11	667	3.65	79	5	ND	19	62	.6	31	2	68	.39	.102	50	26	.20	859	.02	3	.88	.01	.11	1	18	2900
R 136611	3	21	66	249	.2	26	13	962	3.96	246	5	ND	14	101	1.2	74	2	65	.04	.038	27	21	.04	664	.01	5	.71	.01	.03	1	35	4600
R 136612	3	26	52	219	.3	39	15	763	4.51	726	5	ND	15	106	1.8	200	2	59	.07	.048	31	17	.04	697	.01	4	.68	.01	.06	1	200	4300
R 136613	2	28	40	216	.3	38	16	800	4.26	1321	9	2	19	88	2.2	150	2	70	.22	.091	45	20	.04	622	.01	8	.77	.01	.07	1	1630	4600
R 136614	2	34	67	177	.5	32	15	561	4.44	984	8	ND	18	84	2.2	2304	2	97	.26	.104	38	25	.07	868	.01	2	.72	.01	.10	1	570	3400
R 136615	2	25	67	203	.5	48	15	1179	4.81	770	5	ND	20	66	2.1	2528	2	71	.35	.115	66	28	.26	927	.04	4	.99	.01	.17	1	590	3100
R 136651	5	41	59	451	.5	89	22	820	3.92	205	5	ND	12	92	3.2	27	2	65	.30	.088	40	34	.40	991	.01	3	1.17	.01	.15	2	84	1900
R 136652	4	27	71	233	.2	47	21	1695	4.33	94	5	ND	13	65	1.5	20	2	40	.27	.091	40	30	.33	786	.01	5	1.12	.01	.11	1	14	2000
R 136653	3	16	41	258	.1	44	18	1265	4.31	50	5	ND	14	52	1.5	17	2	56	.36	.096	37	28	.19	508	.01	2	.80	.01	.08	1	7	1300
R 136654	5	42	82	289	.4	66	23	1157	4.64	285	5	ND	12	109	2.6	25	2	42	.29	.055	42	19	.05	1100	.01	8	.73	.01	.10	2	1	2200
R 136655	4	30	124	360	.3	50	20	1160	3.98	169	5	ND	14	75	5.2	50	2	30	.74	.098	41	16	.07	635	.01	7	.61	.01	.10	1	3	2300
R 136656	3	22	33	130	.1	31	13	979	3.60	43	5	ND	14	51	.7	12	2	40	1.95	.118	42	22	.12	287	.01	2	.65	.01	.12	1	3	460
R 136657	3	41	43	209	.1	55	21	1112	4.69	83	5	ND	17	186	3.5	10	2	46	1.60	.128	48	30	.41	789	.01	2	.62	.01	.14	1	6	2300
R 136658	5	50	32	192	.2	71	17	256	3.06	64	5	ND	11	100	2.1	13	2	28	.11	.041	40	10	.07	1563	.01	10	.73	.01	.17	1	1	1600
R 136659	7	56	24	269	.2	88	17	246	3.56	54	5	ND	10	103	1.7	10	2	30	.16	.037	37	8	.06	882	.01	7	.56	.01	.12	1	5	1100
R 136660	3	46	367	299	.8	40	15	1101	4.84	142	5	ND	18	143	3.5	106	3	92	2.48	.137	58	66	.68	1093	.17	2	1.11	.01	.42	1	590	1400
R 136661	3	32	53	304	.1	34	12	1691	4.01	312	5	ND	18	81	4.2	37	2	32	.05	.025	43	23	.04	559	.01	8	.47	.01	.07	1	59	1500
R 136662	4	23	64	200	.6	37	14	488	3.84	195	5	ND	14	109	1.4	35	3	25	.09	.064	43	11	.05	777	.01	11	.48	.01	.11	1	59	3300
R 136663	4	33	25	155	.1	49	18	1395	4.52	357	5	ND	24	106	2.8	19	2	58	.47	.093	60	41	.10	914	.01	6	.55	.01	.12	1	83	3500
R 136664	3	31	22	176	.1	36	17	961	4.11	173	5	ND	25	74	1.4	22	2	64	.76	.175	62	51	.30	654	.06	2	.80	.01	.25	1	32	1200
R 136665	4	28	22	167	.1	42	16	952	4.29	328	5	ND	25	79	1.3	23	2	33	.32	.107	62	26	.10	578	.01	3	.54	.01	.15	1	27	1800
R 136666	4	34	148	302	.2	46	16	1046	4.53	1132	5	ND	21	115	2.3	48	2	32	.07	.042	53	22	.04	947	.01	4	.56	.01	.09	1	230	2800
R 136667	4	36	101	181	.8	28	13	1443	4.37	2283	5	ND	27	147	2.3	58	2	16	.58	.100	69	13	.12	828	.01	4	.42	.01	.14	1	320	5100
R 136668	4	37	27	141	.2	45	16	1333	4.74	1313	5	ND	27	128	3.0	39	2	21	.15	.066	80	14	.05	1369	.01	7	.52	.01	.11	1	390	5400
R 136669	4	28	28	134	.1	43	18	2370	4.55	1095	5	ND	26	145	2.6	32	2	22	.12	.065	77	17	.05	1680	.01	6	.57	.01	.11	1	260	4900

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	Hg ppb
R 136616	3	19	46	189	.1	23	14	954	4.13	406	5	ND	20	132	1.2	48	2	73	.34	.115	48	28	.07	1091	.01	2	.79	.01	.08	1	84	1200
R 136617	2	17	36	148	.1	21	14	847	4.16	1136	5	ND	20	106	1.4	49	2	77	.65	.117	50	31	.49	1308	.07	8	1.30	.02	.26	1	310	1400
R 136618	2	18	39	145	.1	20	14	778	4.04	241	5	ND	18	52	1.1	38	2	95	.64	.132	43	39	1.16	1691	.18	4	2.03	.04	.52	2	35	380
R 136619	2	17	47	158	.1	20	15	588	3.88	177	5	ND	18	59	1.3	34	3	90	.67	.134	49	37	.86	2796	.16	9	2.09	.04	.45	1	24	1100
R 136620	1	16	31	139	.1	29	14	519	4.23	77	5	ND	17	60	1.9	18	2	102	.70	.130	39	42	1.48	2858	.25	3	2.59	.05	.59	1	11	120
R 136621	2	17	49	189	.2	30	15	745	4.32	272	5	ND	19	57	1.4	79	2	90	1.62	.132	51	35	.76	1459	.13	5	1.72	.03	.38	2	44	2000
R 136622	2	16	51	178	.2	16	13	1027	4.74	869	5	ND	18	117	1.3	39	2	82	.57	.086	40	32	.45	1054	.07	4	1.36	.02	.23	3	430	2600
R 136623	3	17	50	169	.2	18	13	1184	4.59	651	5	ND	16	134	.9	41	4	66	.57	.042	30	25	.06	860	.01	13	.92	.01	.07	2	133	4200
R 136624	4	18	39	163	.1	21	16	1404	5.44	287	5	ND	17	107	.9	44	2	68	.24	.054	39	26	.06	1044	.01	7	.79	.01	.04	2	27	6100
R 136625	3	17	82	311	.5	19	16	1390	5.16	1019	5	ND	15	99	2.7	45	3	64	.14	.045	32	24	.06	1857	.01	4	.88	.01	.06	1	800	4600
R 136726	11	73	523	70	1.7	15	2	77	.68	133	5	ND	2	76	6.9	9	2	397	1.36	.517	14	33	.02	469	.01	13	.59	.01	.17	1	65	270
R 136727	6	66	546	84	3.2	14	2	46	.74	194	5	ND	2	108	15.9	8	2	274	2.07	.787	15	39	.02	466	.01	24	.54	.01	.14	1	51	190
R 136728	11	119	791	186	3.1	29	2	66	1.40	643	16	ND	4	212	24.7	15	4	430	3.19	1.334	23	130	.02	1511	.02	14	.89	.01	.18	1	340	210
R 136729	25	265	122	680	2.7	119	11	491	3.68	958	34	ND	4	148	65.1	27	2	744	2.73	1.173	27	184	.03	900	.01	9	.89	.01	.08	1	119	500
R 136730	19	132	23	499	1.5	96	5	152	2.37	501	23	ND	4	269	32.2	11	4	903	4.68	2.066	30	245	.07	1420	.02	12	1.14	.01	.13	1	81	380
R 136731	16	86	16	411	.7	83	6	178	2.13	372	15	ND	3	225	27.4	10	2	675	4.04	1.718	18	211	.05	2315	.01	12	.89	.02	.12	1	48	190
R 136732	20	48	17	807	.4	227	6	258	4.02	545	11	ND	2	127	33.5	11	2	683	2.65	1.096	18	214	.10	1132	.01	2	.72	.01	.05	1	52	490
R 136733	35	284	21	1550	1.4	378	13	716	6.13	702	18	ND	9	113	38.6	10	6	1126	2.22	.956	33	135	.47	2885	.09	3	2.53	.01	.33	1	43	650
R 136734	22	205	28	601	.4	126	26	486	2.63	468	24	ND	6	185	21.3	18	5	2108	3.61	1.528	37	224	.10	1311	.03	11	1.89	.01	.23	2	81	2300
R 136735	7	246	26	886	.7	171	11	196	1.70	357	13	ND	6	149	12.4	13	4	1794	4.52	1.895	22	270	.22	920	.02	4	2.24	.01	.11	1	51	1200
R 136736	8	210	29	498	.5	96	5	152	1.58	330	9	ND	7	147	15.0	19	2	1727	4.29	1.733	30	301	.18	771	.04	11	2.12	.01	.13	1	41	2200
R 136737	44	171	31	218	1.2	29	5	97	1.30	532	20	ND	8	279	22.8	17	4	1690	3.73	1.553	33	351	.02	2573	.01	8	2.03	.01	.10	3	84	18000
R 136738	10	164	28	318	.6	97	9	279	1.54	383	12	ND	2	317	20.0	10	2	621	2.18	.995	20	202	.02	4189	.01	16	.94	.01	.11	6	86	6800
R 136739	14	247	18	566	.5	136	8	205	2.62	488	6	ND	2	195	24.6	13	2	574	1.56	.699	16	142	.02	2669	.01	10	.71	.01	.10	3	79	7600
R 136740	8	226	46	198	.4	36	5	72	1.22	479	12	ND	4	337	35.5	7	2	933	1.37	.747	25	144	.01	4854	.01	9	1.29	.01	.06	5	149	28000
R 136741	7	414	31	273	1.1	47	4	68	1.69	1095	19	ND	6	149	47.8	17	11	1948	3.62	1.454	34	237	.11	871	.04	6	1.81	.01	.21	1	390	17000
R 136742	12	408	103	189	2.8	60	6	126	1.51	722	8	ND	4	132	32.3	18	10	1937	2.98	1.126	25	199	.10	1124	.07	13	1.40	.01	.27	3	410	9200
R 136743	25	373	76	647	2.7	113	14	117	3.10	958	18	ND	4	79	51.1	32	9	2396	1.98	.767	22	146	.12	919	.06	14	1.21	.01	.22	1	680	6500
R 136744	16	254	20	524	1.0	95	3	72	1.65	403	16	ND	5	143	19.6	14	2	1384	4.10	1.615	26	258	.11	1253	.04	5	1.51	.01	.16	1	92	1500
R 136745	13	290	28	450	1.5	75	10	498	1.77	520	17	ND	4	132	35.0	16	2	954	3.80	1.505	30	234	.11	942	.03	12	1.07	.01	.23	2	78	5800
R 136746	12	225	32	442	1.1	69	6	178	1.78	499	7	ND	3	140	30.5	11	2	767	4.05	1.607	25	192	.05	828	.02	8	.92	.01	.17	2	70	6400
R 136747	8	212	26	457	.7	96	8	255	1.42	419	11	ND	3	192	21.7	10	2	679	3.30	1.335	21	207	.04	2348	.01	8	.88	.01	.12	3	60	6000
R 136748	8	173	40	532	.1	106	5	253	1.48	378	10	ND	2	183	22.6	10	3	596	4.19	1.682	21	163	.02	868	.01	12	.84	.01	.09	1	119	3200
R 136749	11	98	15	1600	.1	279	4	790	1.84	307	17	ND	2	163	14.5	8	2	574	4.25	1.689	22	227	.11	649	.01	9	1.02	.01	.06	1	90	2700
R 136750	12	102	80	501	.3	131	5	137	1.55	337	12	ND	6	340	6.7	8	4	510	3.53	1.551	29	180	.02	3941	.01	15	1.42	.01	.05	3	71	6600
R 136751	8	126	10	523	.3	143	5	134	1.44	470	12	ND	2	415	16.6	7	2	441	4.14	1.919	24	192	.02	4976	.01	12	1.10	.01	.06	5	109	7100
STANDARD C/AU-R	18	57	38	132	7.2	72	31	1050	4.08	37	18	6	37	51	18.4	15	22	56	.57	.095	35	55	.94	177	.08	35	1.95	.06	.14	11	540	1300

BCT2906-6

BCT2906-7

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	Hg ppb
R 136752	12	72	34	773	.3	121	11	398	3.57	253	5	ND	16	79	10.7	2	2	136	.83	.285	41	35	.40	2250	.07	4	1.40	.02	.24	4	7	5500
R 136753	2	68	19	206	.2	13	12	626	3.35	31	5	ND	16	54	3.0	2	2	80	2.32	.127	59	33	.62	2412	.11	2	1.55	.02	.36	3	30	390
R 136754	2	44	166	530	.9	11	10	472	3.31	27	5	ND	16	56	8.3	2	2	89	.74	.126	49	34	.95	1454	.24	6	1.60	.07	.66	1	50	240
R 136755	1	39	22	171	.3	12	12	539	3.70	58	5	ND	16	61	1.3	2	4	89	.64	.134	57	34	.90	1534	.24	7	1.72	.06	.66	2	20	180
R 136756	1	54	33	176	.2	31	20	1437	4.71	186	5	ND	25	51	.7	3	3	71	.83	.180	77	47	.19	588	.03	4	.73	.01	.20	3	28	230
R 136757	2	45	26	133	.1	33	19	967	4.98	185	5	ND	26	107	.3	3	2	50	.53	.179	78	32	.08	478	.01	5	.57	.01	.15	3	10	1500
R 136758	1	44	31	160	.1	31	20	917	4.86	93	5	ND	25	56	.8	2	2	70	.60	.178	75	51	.46	918	.09	5	1.20	.01	.34	2	21	160
R 136759	2	56	25	211	.1	19	14	742	3.73	52	5	ND	20	57	2.4	2	2	86	.55	.139	56	34	.74	1542	.19	2	1.56	.04	.54	1	29	240
R 136760	2	87	65	902	.6	144	11	551	3.81	113	5	ND	16	91	7.0	3	2	142	1.36	.446	52	41	.74	2384	.17	6	2.23	.03	.54	1	27	600
R 136761	3	185	41	528	2.0	148	3	99	.96	160	8	ND	2	252	8.8	14	4	1279	5.38	2.333	24	246	.13	932	.03	11	.88	.01	.26	1	65	1100
R 136762	11	199	65	636	2.4	132	4	98	.98	162	5	ND	2	122	18.1	11	4	2581	2.41	.937	28	182	.22	1605	.06	9	.78	.01	.36	2	51	440
R 136763	12	274	18	958	2.8	163	6	139	1.32	251	5	ND	3	33	40.3	13	4	3920	.49	.188	26	238	.54	1087	.08	4	1.07	.01	.48	4	4	940
R 136764	3	151	32	430	.8	144	3	123	.81	109	5	ND	1	158	7.9	7	3	1019	4.05	1.643	23	146	.12	458	.02	7	.66	.01	.18	2	56	710
R 136765	3	173	20	604	.5	221	5	167	.95	133	9	ND	2	140	11.9	11	2	1337	4.14	1.697	29	209	.22	440	.03	15	.87	.01	.20	3	60	840
R 136766	4	93	27	729	.1	250	5	136	.95	91	5	ND	2	39	7.9	5	2	1763	.93	.334	18	164	.34	353	.04	2	.82	.01	.19	2	36	480
R 136767	10	117	45	1151	.5	211	5	165	1.31	178	9	ND	3	84	51.4	13	5	2902	1.79	.671	33	212	.41	528	.06	2	.99	.01	.31	2	47	730
R 136768	4	92	34	2584	.2	293	8	349	2.19	128	5	ND	6	138	22.9	8	2	389	2.26	.865	27	112	.38	694	.07	3	1.20	.01	.24	1	34	1300
R 136769	1	52	22	2106	.1	268	14	731	3.66	66	5	ND	17	48	18.0	2	2	176	.71	.161	61	53	1.23	2206	.15	3	2.54	.03	.46	2	26	660
R 136770	1	28	16	213	.1	25	11	665	3.29	20	5	ND	15	75	3.9	2	2	119	2.46	.134	47	57	1.72	1544	.11	5	2.70	.02	.29	3	10	70
R 136771	1	45	14	607	.1	78	13	689	3.62	14	5	ND	15	34	7.3	2	3	120	.68	.133	46	60	1.88	846	.14	6	2.54	.02	.18	1	7	140
R 136772	1	50	25	296	.1	35	12	674	3.68	24	5	ND	16	49	5.8	2	2	125	1.01	.144	50	60	1.81	858	.10	8	2.47	.02	.22	1	6	380
R 136773	1	47	16	356	.1	44	14	693	3.72	15	5	ND	16	46	4.7	2	2	119	.73	.162	47	62	1.90	1470	.16	8	2.53	.03	.27	3	11	100
R 136774	1	51	61	215	.2	20	13	665	3.88	26	5	ND	17	56	3.8	16	2	121	.61	.139	55	57	1.81	1290	.09	3	2.48	.03	.31	2	22	110
R 136775	1	43	19	117	.1	13	13	636	3.57	12	5	ND	14	56	1.8	2	2	112	1.08	.129	43	57	1.79	1172	.19	4	2.46	.04	.37	1	13	50
R 136776	1	48	17	162	.1	23	14	681	3.70	18	5	ND	16	50	1.8	2	3	113	.58	.130	47	59	1.79	1062	.14	5	2.62	.03	.30	2	10	90
R 136777	2	47	20	138	.2	23	12	619	3.74	11	5	ND	15	59	2.1	2	2	109	.78	.132	45	60	1.83	859	.17	8	2.47	.05	.36	3	9	40
R 136778	2	36	27	117	.1	19	11	691	3.55	14	5	ND	17	43	1.0	2	2	133	.53	.136	46	58	1.80	704	.10	11	2.32	.03	.26	2	6	50
R 136779	2	44	14	132	.1	20	12	666	3.73	12	5	ND	15	44	2.3	2	2	102	.51	.132	42	58	1.79	730	.10	5	2.36	.03	.28	1	9	20
R 136780	1	47	22	147	.1	17	14	696	3.81	15	5	ND	15	59	1.5	2	2	103	.76	.128	52	59	1.88	1410	.16	7	2.94	.03	.35	1	6	30
R 136781	1	48	24	142	.1	17	15	670	3.87	17	5	ND	17	73	1.7	2	2	104	.72	.131	58	58	1.73	2845	.19	2	2.91	.04	.58	1	3	40
R 136782	1	39	22	142	.1	17	15	761	3.93	24	5	ND	17	63	1.3	2	2	104	.68	.131	66	54	1.48	2085	.19	4	2.53	.03	.52	1	2	40
R 136783	1	55	11	182	.1	27	13	562	3.84	27	5	ND	18	49	1.0	2	2	101	.62	.146	66	57	1.49	1198	.12	5	2.29	.03	.37	1	4	90
R 136801	2	16	37	185	.1	38	16	1007	3.82	125	5	ND	17	79	1.1	7	2	90	.75	.121	44	41	.98	1207	.17	8	1.94	.04	.25	3	33	730
R 136802	2	17	37	201	.1	63	17	731	3.58	141	5	ND	17	69	1.3	11	3	81	.54	.104	45	37	.72	1165	.13	8	1.83	.03	.26	1	53	2500
R 136803	2	19	30	199	.2	67	15	533	3.52	733	5	ND	20	67	1.3	107	4	81	.46	.116	46	38	.64	1058	.08	10	1.64	.02	.25	1	450	2800
R 136804	4	66	47	332	17.4	72	16	701	4.25	1990	5	ND	18	67	1.8	243	2	41	.30	.105	57	16	.04	700	.01	7	.56	.01	.11	2	1610	8200
STANDARD C/AU-R	17	59	38	132	7.1	68	31	1052	3.66	39	18	7	36	51	18.4	15	20	56	.50	.096	36	55	.84	179	.08	36	1.87	.06	.14	13	530	1500

BCR906-F

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	Hg ppb
R 136805	5	28	31	289	.9	77	14	498	4.04	1733	5	ND	15	127	2.2	134	2	31	.16	.073	51	9	.03	897	.01	8	.53	.01	.09	1	1260	5400
R 136806	3	26	18	258	1.4	60	11	209	3.42	1490	5	2	9	50	1.1	146	2	28	.07	.021	31	7	.02	512	.01	6	.42	.01	.08	1	4070	5300
R 136807	3	18	36	120	1.7	25	6	203	3.22	1691	5	5	9	37	1.4	3863	2	22	.09	.015	30	6	.02	499	.01	8	.38	.01	.08	1	7110	3800
R 136808	3	15	22	170	1.1	34	11	1462	3.29	589	5	ND	13	58	2.3	124	2	20	.05	.029	39	6	.02	847	.01	6	.52	.01	.08	1	750	2300
R 136809	3	15	31	396	.1	66	15	698	4.31	260	5	ND	15	97	1.5	35	3	49	.09	.038	33	17	.03	826	.01	7	.58	.01	.06	1	51	2500
R 136810	2	18	39	387	.2	64	14	601	4.04	390	5	ND	15	75	1.9	21	2	42	.47	.033	29	17	.04	658	.01	4	.58	.01	.08	2	850	4700
R 136811	3	16	28	397	.1	71	15	760	4.29	397	5	ND	15	47	2.0	15	2	47	.06	.026	27	17	.04	526	.01	4	.55	.01	.07	1	100	4100
R 136812	2	16	34	389	.1	64	15	740	4.25	308	5	ND	15	63	1.5	11	2	50	.16	.028	27	17	.04	604	.01	5	.58	.01	.07	1	27	3800
R 136813	3	15	40	348	.2	56	14	734	3.86	402	5	ND	18	84	1.6	13	2	34	.31	.051	39	13	.04	721	.01	4	.59	.01	.10	2	32	5600
R 136814	2	14	32	479	.1	74	17	599	3.92	113	5	ND	18	72	1.7	10	2	47	.32	.092	42	20	.14	586	.01	4	.75	.01	.10	1	15	3500
R 136815	2	15	31	346	.1	54	14	748	3.63	82	5	ND	17	48	1.6	8	2	54	.70	.104	43	25	.29	454	.01	3	.88	.01	.10	1	7	1800
R 136816	2	16	29	326	.1	50	13	698	3.70	182	5	ND	16	74	1.3	11	2	40	1.16	.081	38	16	.18	714	.01	3	.56	.01	.09	2	13	3900
R 136817	2	12	20	186	.1	33	12	521	3.10	70	5	ND	17	46	.6	2	3	62	.35	.099	39	27	.45	484	.02	2	1.01	.01	.14	1	6	1300
R 136818	1	13	22	214	.1	37	11	541	3.27	30	5	ND	16	38	.5	2	4	77	.45	.107	45	37	.91	780	.07	2	1.51	.02	.24	1	4	420
R 136819	1	13	24	242	.1	42	12	447	3.08	48	5	ND	16	40	.6	2	2	73	.42	.101	43	36	.92	699	.09	3	1.41	.02	.28	1	15	540
R 136820	3	12	47	372	.1	59	13	517	3.31	106	5	ND	17	58	1.3	15	2	61	.33	.090	38	26	.43	817	.05	3	.88	.01	.19	1	3	2000
R 136821	4	16	21	487	.1	75	16	665	3.54	93	5	ND	18	44	2.1	18	3	60	.35	.105	48	20	.04	484	.01	3	.49	.01	.07	1	6	2600
R 136822	5	25	33	277	.1	54	9	229	2.20	438	5	ND	10	82	1.2	23	2	82	.22	.084	26	20	.02	989	.01	3	.42	.01	.09	1	86	3100
R 136823	4	15	26	504	.1	74	19	519	3.49	417	5	ND	14	54	1.3	34	2	42	.32	.109	44	16	.12	546	.01	5	.69	.01	.13	1	63	3800
R 136824	8	38	51	186	.5	70	12	379	1.82	245	5	ND	7	31	.5	6	7	407	.26	.070	26	21	.25	337	.01	5	.67	.01	.16	1	24	160
R 136825	3	19	21	338	.1	59	13	379	3.23	161	5	ND	13	36	.6	4	5	53	.36	.110	33	28	.54	328	.01	3	1.16	.01	.12	1	67	650
R 136826	4	41	27	483	.1	56	18	485	3.31	741	5	ND	8	50	1.3	13	2	16	.07	.034	26	4	.03	596	.01	8	.53	.01	.11	1	82	2300
R 136827	4	35	33	485	.1	63	18	657	2.80	575	5	ND	9	82	1.0	11	3	15	.09	.048	29	3	.03	660	.01	7	.59	.01	.15	1	91	2500
R 136828	2	15	24	98	1.4	12	4	118	1.23	879	5	4	6	26	.7	5004	2	7	.06	.008	19	5	.01	493	.01	9	.21	.01	.05	1	4740	2100
STANDARD C/AU-R	17	57	39	132	7.1	68	31	1040	3.71	40	16	8	38	53	18.4	18	22	55	.53	.094	38	59	.88	180	.07	33	1.83	.06	.14	11	530	1500

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 137044	4	17	63	554	.8	82	26	1881	4.89	665	6	ND	18	50	6.6	182	2	57	.20	.094	46	22	.04	721	.01	2	.58	.01	.07	1	400
R 137045	3	13	116	468	.4	109	23	1471	4.50	511	7	ND	19	59	4.8	22	4	64	.26	.092	48	25	.22	913	.01	2	1.08	.01	.10	1	107
R 137046	3	16	58	322	.1	121	19	880	4.11	276	5	ND	19	38	1.3	19	2	68	.42	.114	58	32	.67	976	.02	2	1.78	.01	.14	1	43
R 137047	2	19	25	307	.1	69	17	774	3.45	142	5	ND	18	79	5.7	13	4	74	.21	.082	41	31	.34	1320	.08	2	1.22	.01	.22	1	53
R 137048	3	15	26	323	.1	67	19	1215	4.05	33	5	ND	18	60	1.9	9	3	87	.39	.112	52	36	.56	1714	.11	2	1.51	.02	.36	1	7
R 137049	3	19	25	461	.1	80	22	1583	5.11	116	5	ND	18	74	11.5	8	2	74	.21	.075	40	28	.18	1227	.03	2	.90	.01	.13	1	12
R 137050	4	33	80	758	.1	122	32	902	5.12	119	5	ND	19	60	12.5	16	2	65	.23	.106	56	24	.06	1029	.01	2	.79	.01	.07	1	3
R 137051	3	23	49	340	.1	58	15	667	4.64	206	5	ND	16	85	5.2	11	2	62	.12	.064	36	25	.03	1434	.01	2	.60	.01	.05	1	13
R 137052	2	16	15	382	.1	103	22	585	4.46	26	5	ND	19	52	5.7	8	2	77	.39	.113	76	33	.61	1994	.06	2	1.58	.01	.23	1	6
R 137053	2	15	21	102	.1	19	11	677	3.65	16	5	ND	17	52	.4	3	3	88	.44	.105	53	40	.94	1806	.16	2	1.88	.03	.45	2	7
R 137054	3	16	28	329	.1	46	16	990	4.21	74	5	ND	17	98	2.7	6	2	65	.16	.060	42	25	.06	962	.01	2	.84	.01	.06	1	4
R 137055	4	16	23	610	.1	68	22	1283	5.29	84	5	ND	16	85	2.8	8	2	67	.21	.076	46	26	.13	942	.02	2	.80	.01	.11	1	3
R 137056	2	15	16	202	.1	40	16	644	3.56	16	5	ND	18	50	1.3	4	7	88	.40	.112	48	39	.90	1502	.17	2	1.86	.03	.52	2	3
R 137057	4	21	23	515	.1	91	27	2192	5.49	92	5	ND	18	43	4.4	9	2	73	.33	.121	108	28	.08	823	.01	2	.77	.01	.06	1	2
R 137058	3	16	21	234	.1	43	16	932	4.05	26	5	ND	19	40	1.9	5	4	72	.42	.116	53	28	.26	809	.04	2	1.11	.01	.20	2	9
R 137059	3	15	20	323	.1	43	17	1226	4.19	100	5	ND	19	69	2.1	8	2	67	.27	.095	49	25	.11	856	.02	2	.71	.01	.11	1	5
R 137060	3	15	29	193	.1	27	13	742	3.59	53	5	ND	19	66	.5	7	5	75	.30	.096	48	31	.20	1450	.04	2	1.81	.01	.17	2	4
R 137061	2	13	21	184	.1	26	13	808	3.73	30	5	ND	20	51	1.1	6	6	77	.45	.115	67	31	.35	1834	.03	2	1.22	.01	.18	1	3
R 137062	3	15	31	224	.1	38	15	987	3.90	99	5	ND	19	44	.5	6	2	64	.34	.097	50	26	.24	698	.01	2	.92	.01	.09	2	1
R 137063	6	21	91	502	.2	81	21	1718	5.21	595	6	ND	17	84	2.3	16	2	34	.07	.036	37	16	.03	894	.01	6	.48	.01	.08	1	13
R 137064	3	16	28	229	.1	47	15	1117	4.68	1086	5	ND	17	64	.8	14	4	16	.10	.026	43	8	.03	687	.01	8	.40	.01	.09	2	113
R 137065	2	11	25	133	.3	22	11	871	4.13	1342	5	ND	17	61	.2	8	2	20	.95	.028	37	9	.04	655	.01	3	.41	.01	.09	1	600
STANDARD C/AU-R	19	57	37	131	7.3	69	32	1051	3.95	42	23	7	38	53	18.8	15	19	55	.51	.096	38	56	.89	181	.07	36	1.89	.06	.14	13	540

BCTR 90XF-9

✓ ASSAY RECOMMENDED

SAMPLE#	HG ppb
R 120476	780
R 120477	600
R 120478	8000
R 120479	9200
R 120480	2700
R 137044	3600
R 137045	3000
R 137046	720
R 137047	5600
R 137048	1300
R 137049	4200
R 137050	3500
R 137051	6600
R 137052	2800
R 137053	120
R 137054	2900
R 137055	2000
R 137056	110
R 137057	2000
R 137058	1300
R 137059	4100
R 137060	2000
R 137061	1000
R 137062	1900
R 137063	5000
R 137064	8300
R 137065	3500
STANDARD C	1500

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	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	Hg ppb
R 137102	39	73	25	54	.2	10	4	66	2.65	827	5	ND	3	98	3.8	56	2	267	.03	.125	14	28	.05	2946	.02	6	.53	.01	.04	2	26	3900
R 137103	4	61	50	1255	1.0	36	11	114	4.70	771	5	ND	13	94	12.2	80	3	37	.16	.091	49	13	.04	666	.01	5	.58	.01	.18	1	72	1500
R 137104	3	64	27	1579	.6	35	13	312	4.63	719	5	ND	14	59	20.1	53	2	29	.27	.116	48	12	.19	366	.01	3	.75	.01	.15	1	74	760
R 137105	3	59	38	2144	1.0	53	21	643	5.44	2267	5	ND	15	36	32.5	22	8	51	.35	.146	57	20	.17	774	.01	2	.98	.01	.11	1	210	130
R 137106	12	29	21	543	.6	63	9	132	3.18	157	5	ND	8	224	7.2	29	2	60	.10	.080	37	12	.04	1095	.01	5	.54	.01	.17	1	8	200
R 137107	7	31	22	376	.2	59	12	196	3.21	203	5	ND	8	118	4.7	21	2	51	.13	.068	24	10	.04	1818	.01	6	.59	.01	.15	1	5	110
R 137108	3	19	23	552	.4	64	16	533	3.35	158	5	ND	11	29	5.6	35	2	31	.31	.095	37	8	.14	310	.01	3	.84	.01	.12	1	8	250
R 137109	4	36	22	515	.8	39	11	523	3.24	329	5	ND	11	61	5.8	80	2	11	.21	.078	35	3	.04	451	.01	6	.47	.01	.14	1	55	1900
R 137110	5	44	68	614	1.9	37	12	567	3.70	967	5	ND	11	81	10.2	2607	2	10	.19	.079	35	3	.02	548	.01	10	.42	.01	.13	1	350	3600
R 137111	5	22	83	323	1.0	24	9	310	3.47	465	5	ND	14	56	2.0	156	2	13	.09	.045	43	5	.02	456	.01	6	.42	.01	.11	1	550	2700
R 137112	4	37	41	329	2.0	38	14	544	4.16	964	5	2	14	130	4.5	1387	2	15	.08	.081	45	7	.01	950	.01	5	.49	.01	.09	1	1470	2500
R 137113	3	15	24	175	1.3	32	11	611	3.09	2671	5	4	10	55	.2	1184	2	22	.06	.020	25	9	.01	482	.01	6	.35	.01	.06	1	4050	15000
R 137114	3	22	20	198	1.4	33	15	964	3.44	3078	5	5	11	53	.2	72	2	26	.07	.017	27	9	.02	840	.01	6	.38	.01	.07	1	5130	6500
R 137115	6	9	18	74	1.0	16	3	65	1.68	702	5	ND	4	67	.5	528	2	35	.04	.026	17	10	.02	769	.01	5	.29	.01	.07	1	2900	2200
R 137116	6	19	15	86	.9	23	10	460	2.02	476	5	ND	5	62	2.3	384	2	32	.07	.026	23	7	.02	1095	.01	7	.34	.01	.09	1	1740	5800
R 137117	5	32	36	296	1.3	32	10	565	4.13	900	5	3	13	126	3.5	704	2	16	.05	.078	41	7	.01	1118	.01	4	.54	.01	.07	1	2410	2400
R 137118	3	30	25	411	2.0	39	11	775	3.82	1205	5	5	13	81	6.3	172	2	17	.04	.051	41	8	.01	909	.01	3	.49	.01	.05	1	3930	2500
STANDARD C/AU-R	18	58	39	131	6.8	69	31	1051	3.95	40	18	7	37	53	18.4	15	20	55	.51	.091	37	56	.89	180	.07	36	1.88	.06	.14	13	520	1600

BC TR90G-10

G-10

GRAB

ACME ANAL CAL LABORATORIES LTD. 852 E. HASTINGS ST. VA JVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(6 253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9009-017 File # 90-4059 Page 1

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5

GRAB BC-TYPE 90-G10

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	Hg ppb
R 140345	1	48	161	233	6.1	11	2	106	.85	332	7	ND	1	14	4.0	22872	3	4	.07	.003	6	3	.02	59	.01	7	.12	.01	.02	1	1040	1500
R 140346	1	48	22	55	4.9	21	3	126	.91	293	5	4	1	20	.3	30981	3	3	.09	.001	3	8	.01	16	.01	4	.09	.01	.02	2	3490	1400
R 140347	1	14	12	58	1.8	11	5	158	1.88	2053	5	5	6	25	.2	900	2	11	.03	.010	19	3	.01	350	.01	5	.22	.01	.04	1	3830	16000

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 2008-048 330 File # 90-3365 Page 1

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5 Submitted by: G.MACKAY

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	Hg ppb
R 137066	30	26	34	63	.4	10	6	42	1.66	1180	7	ND	4	440	2.5	20	2	1180	.13	.392	23	148	.03	6939	.02	11	.85	.01	.04	13	380	33000
R 137067	6	18	16	96	.1	15	5	26	1.62	204	6	ND	2	394	1.0	12	2	659	.21	.397	25	125	.03	5899	.02	3	.71	.01	.05	10	210	4500
R 137068	12	10	43	66	.1	16	5	20	1.14	251	6	ND	4	415	.6	8	2	997	.17	.397	20	124	.02	5834	.02	11	.83	.01	.07	10	230	9600
R 137069	12	12	35	34	.1	9	2	12	.92	94	6	ND	5	117	.4	13	2	1283	.07	.118	14	74	.01	1861	.02	2	.58	.01	.06	11	49	5800
R 137070	85	117	76	122	.3	22	4	30	5.18	559	11	ND	10	78	2.3	38	2	506	.08	.227	17	43	.01	1157	.01	2	.73	.01	.01	6	73	13000
R 137071	2	14	76	35	.1	7	1	2	.79	71	6	ND	17	39	.6	5	2	61	.03	.056	18	14	.01	566	.01	2	.57	.01	.01	2	11	13000
R 137072	4	52	72	197	.6	42	7	158	1.79	168	5	ND	20	58	3.3	6	2	95	.13	.121	38	17	.07	1488	.05	2	1.05	.01	.04	1	11	3400
R 137073	10	47	42	278	.3	46	4	39	3.78	225	5	ND	19	36	.8	12	4	110	.13	.140	29	17	.18	915	.04	2	1.14	.01	.03	1	16	6200
R 137074	7	24	47	43	.1	12	2	4	1.98	267	5	ND	16	50	.9	16	2	113	.01	.080	14	16	.01	727	.01	2	.57	.01	.01	3	9	3500
R 137075	9	47	45	80	.1	25	3	14	2.22	403	5	ND	16	85	1.0	20	2	141	.02	.104	21	19	.01	1182	.01	2	.70	.01	.01	3	24	4600
R 137076	9	41	37	145	.1	28	3	6	2.82	436	9	ND	16	77	1.7	25	2	153	.02	.106	23	19	.01	985	.01	3	.72	.01	.02	2	13	4000
R 137077	8	55	48	172	.1	21	4	12	3.81	288	5	ND	19	46	1.8	16	2	124	.03	.115	40	22	.01	719	.01	2	.83	.01	.01	1	8	3200
R 137078	4	91	63	384	.4	49	9	100	5.95	176	6	ND	19	46	4.2	10	5	97	.20	.140	36	22	.26	1686	.05	2	1.68	.01	.13	1	53	10000
R 137079	2	62	42	416	.8	59	15	311	4.44	83	7	ND	20	71	3.5	8	2	110	.19	.134	59	38	.89	3421	.25	2	3.17	.02	.51	2	8	820
R 137080	1	52	48	440	.6	55	14	265	3.69	56	5	ND	20	69	3.2	7	5	99	.19	.127	69	37	.79	3478	.21	2	3.03	.02	.45	1	9	540
R 137081	9	84	52	285	.1	30	5	31	4.51	298	8	ND	22	194	3.9	17	3	181	.18	.238	57	20	.13	2233	.02	2	1.48	.01	.07	1	11	6600
R 137082	10	73	60	426	.3	39	5	30	4.39	326	8	ND	19	289	5.1	22	4	153	.10	.226	53	18	.03	1735	.01	2	1.17	.01	.02	2	17	6200
R 137083	2	99	46	820	1.3	126	30	400	3.79	24	5	ND	20	69	4.9	3	4	120	.27	.149	59	41	.86	3571	.25	2	3.54	.02	.48	1	13	820
R 137084	3	72	55	611	.7	75	11	250	2.80	43	5	ND	20	116	3.1	7	2	110	.16	.172	58	39	.72	4193	.20	4	3.20	.01	.34	2	8	960
R 137085	4	136	40	708	.5	107	26	243	5.56	71	5	ND	20	127	5.7	10	2	136	.17	.190	57	38	.51	2449	.15	2	2.72	.01	.30	1	10	2200
R 137086	4	133	44	389	.8	68	16	205	3.74	85	5	ND	22	285	3.9	10	6	130	.15	.178	90	38	.52	2956	.12	2	2.96	.01	.33	1	8	780
R 137087	2	118	37	309	.4	66	7	164	2.51	38	5	ND	21	200	3.5	5	2	97	.18	.121	72	35	.58	2659	.19	2	2.86	.01	.32	2	9	1100
R 137088	4	195	38	441	1.0	99	18	672	5.21	43	5	ND	20	248	6.9	9	2	134	.19	.186	52	37	.61	3392	.16	2	2.70	.01	.31	1	5	340
R 137089	5	304	26	573	2.2	83	35	2487	7.49	38	6	ND	16	127	10.6	7	6	97	.22	.159	48	18	.19	2933	.04	2	1.48	.01	.07	1	4	180
R 137090	6	105	42	307	.8	47	32	1203	2.33	63	7	ND	24	55	5.2	9	2	91	.14	.084	56	20	.08	2366	.01	4	1.20	.01	.05	1	6	630
R 137091	21	95	30	212	.4	19	10	97	2.18	93	5	ND	14	49	5.4	15	2	161	.10	.074	44	25	.04	2421	.01	2	.82	.01	.02	1	20	1700
R 137092	27	72	25	78	.8	10	3	14	1.53	104	5	ND	8	25	2.1	19	2	147	.02	.041	15	18	.01	2665	.01	4	.46	.01	.03	1	18	1500
R 137093	35	143	27	115	.7	11	3	14	3.25	370	5	ND	4	61	3.9	29	2	248	.02	.102	16	26	.01	1685	.02	4	.38	.01	.03	1	67	3800
R 137094	29	86	31	79	.2	19	4	27	1.92	118	6	ND	7	77	1.1	15	3	221	.03	.104	26	31	.09	3311	.08	4	.81	.01	.08	1	45	1500
R 137095	23	88	38	37	1.2	6	3	12	1.23	85	5	ND	6	44	.6	14	2	86	.01	.049	25	12	.02	2092	.01	9	.41	.01	.11	1	84	3000
R 137096	20	105	37	134	.9	13	5	36	2.22	179	8	ND	9	54	3.6	16	2	144	.07	.069	23	23	.04	2681	.01	5	.65	.01	.06	1	66	2800
R 137097	28	60	30	61	1.8	7	5	24	1.20	102	6	ND	5	50	1.9	23	2	168	.02	.052	19	17	.02	2721	.01	8	.44	.01	.06	1	87	4000
R 137098	23	52	24	69	1.3	11	3	11	1.14	77	12	ND	4	110	1.2	16	2	145	.09	.172	15	19	.01	4085	.01	7	.63	.01	.06	1	26	1300
R 137099	29	42	20	39	1.4	5	4	24	1.12	122	5	ND	4	82	1.0	11	2	158	.02	.107	14	18	.01	3011	.02	6	.47	.01	.04	2	39	2000
R 137100	30	76	33	78	1.1	9	5	40	2.49	330	5	ND	5	104	3.2	19	2	209	.02	.138	17	23	.02	3567	.02	6	.57	.01	.05	1	56	3600
R 137101	34	61	21	50	1.1	6	4	44	2.32	391	5	ND	3	89	3.3	18	2	273	.02	.117	12	27	.01	3072	.03	7	.42	.01	.05	2	22	4300
STANDARD C/AU-R	19	60	38	130	6.8	73	32	1050	3.93	42	19	7	38	52	18.7	15	22	56	.51	.094	38	56	.89	182	.07	31	1.89	.06	.14	11	500	1400

BCTR806-11

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: P1-P2 Rock P3-P5 Core P6-P11 Cutting AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.
HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: AUG 9 1990 DATE REPORT MAILED: Aug 17/90. SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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	Hg ppb
R 137102	39	73	25	54	1.2	10	4	64	2.65	897	5	ND	3	98	3.8	36	2	247	.03	.123	14	28	.03	2946	.02	6	.53	.01	.04	2	26	3900
R 137103	4	61	50	1255	1.0	36	11	114	4.70	771	5	ND	13	94	12.2	80	3	37	.16	.091	49	13	.04	666	.01	5	.58	.01	.18	1	72	1500
R 137104	3	64	27	1579	.4	35	13	312	4.63	719	5	ND	14	59	20.1	53	2	29	.27	.116	48	12	.19	366	.01	3	.75	.01	.15	1	74	760
R 137105	3	59	38	2144	1.0	53	21	643	5.44	2247	5	ND	15	36	32.5	22	8	51	.35	.146	57	20	.17	774	.01	2	.98	.01	.11	1	210	130
R 137106	12	29	21	543	.6	63	9	132	3.18	157	5	ND	8	224	7.2	29	2	60	.10	.080	37	12	.04	1095	.01	5	.54	.01	.17	1	8	200
R 137107	7	31	22	376	.2	59	12	196	3.21	203	5	ND	8	118	4.7	21	2	51	.13	.068	24	10	.04	1018	.01	6	.59	.01	.15	1	5	110
R 137108	3	19	23	552	.1	64	16	533	3.35	158	5	ND	11	29	5.6	35	2	31	.31	.095	37	8	.14	310	.01	3	.84	.01	.12	1	8	250
R 137109	4	36	22	515	.3	39	11	523	3.24	329	5	ND	11	61	5.8	80	2	11	.21	.078	35	3	.04	451	.01	6	.47	.01	.14	1	55	1900
R 137110	5	44	68	614	1.9	37	12	567	3.70	967	5	ND	11	81	10.2	2607	2	10	.19	.079	35	3	.02	548	.01	10	.42	.01	.13	1	350	3600
R 137111	5	22	83	323	1.0	24	9	310	3.47	465	5	ND	14	56	2.0	156	2	13	.09	.065	43	5	.02	456	.01	6	.42	.01	.11	1	550	2700
R 137112	4	37	41	329	2.0	38	14	544	4.16	964	5	2	14	130	4.3	1387	2	15	.08	.081	45	7	.01	950	.01	5	.49	.01	.09	1	1470	2500
R 137113	3	15	24	175	1.3	32	11	611	3.09	2671	5	4	10	55	.2	1184	2	22	.06	.020	25	9	.01	482	.01	6	.35	.01	.06	1	4050	15000
R 137114	3	22	20	198	1.0	33	15	964	3.44	3078	5	5	11	53	.2	72	2	26	.07	.017	27	9	.02	840	.01	6	.38	.01	.07	1	5130	6500
R 137115	6	9	18	74	1.0	16	3	65	1.68	702	5	ND	4	67	.5	528	2	35	.04	.026	17	10	.02	769	.01	5	.29	.01	.07	1	2900	2200
R 137116	6	19	15	86	.9	23	10	460	2.02	476	5	ND	5	62	2.3	384	2	32	.07	.026	23	7	.02	1093	.01	7	.34	.01	.09	1	1740	5800
R 137117	5	32	36	296	1.5	32	10	565	4.13	908	5	3	13	126	3.5	704	2	16	.05	.078	41	7	.01	1118	.01	4	.54	.01	.07	1	2410	2400
R 137118	3	30	25	411	2.0	39	11	775	3.82	1203	5	5	13	81	6.3	172	2	17	.04	.051	41	8	.01	909	.01	3	.49	.01	.05	1	3930	2500
STANDARD C/AU-R	18	58	39	131	6.8	69	31	1051	3.95	40	18	7	37	53	18.4	15	20	55	.51	.091	37	56	.89	180	.07	36	1.88	.06	.14	13	520	1600

BETZ 90 - 612

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	Hg ppb
R 137251	5	28	26	362	.2	53	15	953	4.33	139	5	ND	16	69	1.9	153	2	67	.25	.077	43	27	.06	510	.01	3	.74	.01	.04	1	27	1300
R 137252	2	18	16	229	.1	33	11	684	3.30	36	5	ND	15	50	2.2	45	2	90	.46	.109	41	44	1.29	879	.17	2	1.91	.04	.45	1	11	110
R 137253	2	13	23	196	.1	33	12	768	3.33	30	9	ND	15	58	1.8	289	2	91	.51	.111	42	44	1.30	852	.15	5	1.91	.04	.37	1	14	140
R 137254	2	15	24	345	.2	28	11	532	3.32	29	5	ND	16	58	1.9	212	2	90	.58	.110	39	40	1.17	1046	.17	5	1.76	.05	.44	1	9	180
R 137255	3	18	28	219	.1	32	12	663	3.48	53	5	ND	15	45	1.8	50	2	85	.48	.116	38	39	.95	510	.09	5	1.63	.03	.25	1	10	1300
R 137256	3	15	38	218	.1	47	15	764	3.41	76	5	ND	17	54	1.1	87	2	86	.54	.118	46	41	.90	676	.11	5	1.66	.03	.25	1	21	680
R 137257	3	12	31	174	.1	33	12	579	3.38	98	5	ND	16	46	.6	91	2	85	.47	.114	44	38	.87	832	.13	4	1.66	.04	.39	1	16	960
R 137258	6	10	41	254	.1	43	13	675	3.57	462	5	ND	17	45	1.5	136	2	57	.37	.106	48	24	.33	849	.05	5	.97	.01	.21	1	90	2600
R 137259	2	14	25	211	.1	42	13	563	3.47	48	5	ND	16	39	.8	63	2	85	.44	.117	39	41	1.11	646	.12	3	1.88	.03	.37	1	10	290
R 137260	2	16	15	186	.1	40	12	536	3.52	48	5	ND	17	41	.5	58	2	90	.44	.114	41	47	1.27	586	.07	5	1.96	.03	.22	1	11	250
R 137261	6	13	18	268	.1	54	11	381	3.51	502	5	ND	17	25	1.2	141	2	51	.36	.116	49	21	.18	406	.01	3	.74	.01	.11	1	38	1500
R 137262	4	21	34	278	.1	58	13	485	3.73	319	5	ND	16	48	1.0	121	2	80	.41	.110	44	37	.78	1052	.09	9	1.58	.03	.28	1	105	1400
R 137263	4	14	18	271	.1	54	13	496	3.29	642	5	ND	16	37	1.8	109	2	52	.40	.113	43	23	.52	700	.07	6	1.19	.02	.27	1	76	730
R 137264	5	25	35	313	.1	77	15	516	3.65	451	5	ND	17	48	1.6	172	5	76	.38	.117	49	36	.61	871	.12	5	1.44	.03	.38	1	196	1400
R 137265	8	44	31	393	.1	96	17	665	4.69	797	5	ND	17	119	2.0	286	2	50	.11	.087	49	26	.05	1766	.01	3	.79	.01	.10	1	250	5500
R 137266	7	49	56	466	.2	104	23	788	5.87	812	5	ND	15	195	1.5	163	2	38	.07	.097	64	27	.04	2884	.01	7	.75	.01	.09	1	77	5800
R 137267	7	35	35	401	.2	93	21	935	4.87	693	5	ND	15	175	1.4	253	2	46	.06	.087	48	30	.04	2203	.01	4	.78	.01	.09	1	126	6400
R 137268	4	21	27	210	.3	43	17	757	3.38	837	5	ND	13	79	.3	148	2	35	.06	.037	29	19	.04	801	.01	5	.62	.01	.09	1	620	4500
R 137269	4	19	14	200	.1	45	14	544	3.58	338	5	ND	16	39	.2	107	2	59	.37	.125	50	25	.05	357	.01	2	.63	.01	.10	1	46	1800
R 137270	4	17	21	242	.1	52	14	446	3.66	480	5	ND	17	46	.2	173	2	58	.34	.119	46	25	.05	435	.01	4	.64	.01	.10	1	41	2500

BETZ 90-613

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	Hg ppb
R 136451	3	31	96	210	.9	43	12	192	3.14	140	5	ND	18	158	1.8	59	2	41	.20	.073	43	35	.06	1243	.01	7	.68	.01	.16	1	7	1600
R 136452	4	58	38	335	.3	107	28	581	4.58	97	5	ND	21	160	5.3	48	3	34	.06	.062	55	27	.04	1386	.01	6	.80	.01	.12	1	11	3800
R 136453	3	51	28	262	.2	64	28	272	3.47	89	5	ND	24	110	4.3	40	2	44	.13	.097	59	31	.21	722	.04	8	1.05	.01	.29	1	9	1800
R 136454	5	39	50	321	.1	46	13	215	4.24	89	5	ND	35	135	2.3	55	3	41	.06	.063	57	22	.04	1156	.01	6	.77	.01	.08	1	7	7200
R 136455	4	38	32	366	.1	60	22	474	4.18	72	5	ND	18	148	1.9	27	3	45	.03	.043	47	36	.03	947	.01	5	.73	.01	.11	1	8	2500
R 136456	4	39	32	521	.4	111	35	798	4.57	52	5	ND	23	107	6.3	28	2	48	.25	.110	64	39	.18	706	.02	10	.93	.01	.18	1	5	1700
R 136457	3	39	40	427	.4	92	26	666	4.14	38	5	ND	24	104	5.8	20	2	34	.32	.119	69	27	.07	638	.01	8	.60	.01	.16	1	3	1300
R 136458	4	39	52	650	.3	153	47	1032	5.32	38	5	ND	26	131	7.6	25	3	47	.41	.134	89	36	.10	458	.01	3	.93	.01	.14	1	4	250
R 136459	4	36	18	513	.2	105	26	286	4.67	46	5	ND	26	92	4.1	59	3	38	.36	.140	82	26	.09	288	.01	2	.82	.01	.15	1	1	120
R 136460	4	41	24	589	.1	155	43	374	4.61	37	5	ND	28	73	4.1	68	3	33	.43	.139	88	22	.09	195	.01	6	.73	.01	.12	1	2	90
R 136461	5	57	27	623	.3	160	54	760	5.64	37	5	ND	25	135	6.1	23	6	70	.45	.178	82	49	.19	807	.04	8	.86	.01	.22	1	8	520
R 136462	4	51	18	424	.1	99	32	890	5.78	24	5	ND	23	100	4.9	16	5	136	.68	.181	68	93	1.37	1681	.31	6	1.98	.03	.80	1	6	410
R 136463	3	40	61	227	.3	57	18	299	4.15	262	5	ND	15	149	3.5	31	2	41	.15	.103	51	25	.10	911	.01	6	.81	.01	.23	1	44	2300
R 136464	3	23	44	150	.1	30	8	89	3.25	233	5	ND	14	111	1.6	23	2	17	.05	.055	43	9	.03	1279	.01	8	.57	.01	.13	1	29	3500
R 136465	4	45	36	251	.1	52	20	315	4.85	72	5	ND	19	138	1.3	22	2	64	.04	.050	53	36	.03	906	.01	3	.81	.01	.07	2	3	1600
R 136466	7	29	27	149	.2	42	16	762	4.59	97	5	ND	10	118	4.7	23	4	77	.08	.048	31	33	.05	1395	.01	9	.71	.01	.15	2	5	1800
R 136467	2	61	322	230	5.6	17	7	170	3.33	1124	5	ND	4	94	3.7	18165	5	18	.17	.034	27	15	.03	179	.01	7	.57	.01	.11	2	380	3600
R 136468	2	10	34	92	.1	9	4	27	1.80	733	5	ND	10	82	.2	404	4	32	.06	.040	35	18	.03	987	.01	6	.55	.01	.10	1	250	1600
R 136469	3	28	29	363	.1	41	22	501	3.87	464	5	ND	13	95	4.6	327	2	45	.04	.044	39	26	.03	946	.01	6	.66	.01	.09	1	50	1800
R 136470	3	25	32	358	.2	49	27	977	4.37	716	5	ND	13	97	2.5	112	2	47	.07	.049	43	27	.05	1028	.01	7	.74	.01	.11	1	179	1700
R 136471	2	15	34	339	.1	23	17	539	4.53	298	5	ND	9	74	.3	106	3	35	.05	.029	33	21	.03	658	.01	6	.61	.01	.10	1	58	1900
R 136472	3	20	27	274	.1	30	18	688	4.01	602	5	ND	10	83	.3	108	7	35	.05	.039	34	19	.04	899	.01	6	.63	.01	.10	2	111	1600
STANDARD C/AU-R	19	58	35	131	7.1	71	31	1050	3.96	40	20	7	38	53	18.5	15	21	55	.51	.094	38	57	.89	182	.07	35	1.89	.06	.14	11	500	1600

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	Hg ppb
R 136473	3	18	39	259	.2	33	19	1082	3.08	828	7	ND	13	79	.6	39	2	30	.06	.034	34	14	.04	761	.01	4	.67	.01	.10	1	80	18000
R 136474	3	17	32	205	.2	29	15	902	3.01	214	5	ND	12	84	.9	37	2	19	.05	.043	40	14	.03	897	.01	6	.61	.01	.11	1	84	2100
R 136475	3	19	26	239	.3	36	18	1061	3.28	503	5	ND	13	69	1.5	30	2	28	.21	.081	40	16	.05	528	.01	3	.59	.01	.12	1	162	3800
R 136476	3	15	30	312	.1	65	25	1114	3.48	162	6	ND	11	62	2.0	40	2	34	.45	.081	32	18	.28	515	.02	6	.95	.01	.17	1	52	780
R 136477	3	19	32	191	.2	56	21	1213	3.66	106	8	ND	13	48	.5	54	2	27	.33	.089	41	15	.13	396	.01	6	.74	.01	.13	1	21	650
R 136478	3	22	36	236	.2	52	23	1124	3.85	140	9	ND	11	95	1.2	37	4	29	.11	.070	44	24	.05	796	.01	4	.68	.01	.11	1	11	2600
R 136479	9	37	19	208	.3	39	9	108	3.08	75	6	ND	6	104	.2	24	2	53	.15	.036	31	11	.05	1242	.01	7	.63	.01	.16	1	9	1800
R 136480	3	15	41	249	.5	42	18	1003	4.64	724	5	ND	11	89	1.2	36	2	44	.05	.043	36	16	.03	819	.01	3	.68	.01	.08	1	1370	4400
R 136481	3	12	36	254	.1	40	19	1531	4.64	735	5	ND	8	76	1.3	41	2	44	.04	.029	31	16	.04	655	.01	7	.60	.01	.08	1	920	3000
R 136482	3	16	33	234	.3	30	15	861	4.06	581	5	ND	9	75	1.3	55	2	38	.04	.033	33	18	.04	677	.01	7	.65	.01	.09	1	390	5100

ACME AN. .CAL LABORATORIES LTD. 852 E. HASTINGS ST. ' OUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(,253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9009-017 File # 90-4059 Page 1

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5

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	Hg ppb
R 140501	2	17	35	219	.1	31	14	1065	4.28	874	5	ND	19	78	2.2	271	2	60	.19	.038	29	21	.03	789	.01	5	.63	.01	.06	1	310	4300
R 140502	2	15	31	215	.3	39	18	1351	4.75	2343	5	ND	14	76	1.2	28	5	54	.05	.027	21	17	.02	777	.01	6	.46	.01	.05	2	1220	10400
R 140503	2	15	27	182	1.0	29	13	919	3.87	3250	5	3	16	71	.2	51	2	37	.06	.025	30	13	.02	744	.01	6	.50	.01	.06	1	2710	9700
R 140504	2	16	30	220	.2	29	14	1067	4.08	819	5	ND	16	69	.2	17	2	45	.04	.028	25	17	.02	706	.01	7	.49	.01	.06	1	390	7700
R 140505	2	14	26	175	.5	29	12	968	3.96	3446	5	2	16	63	.2	39	2	24	.10	.024	35	8	.02	633	.01	6	.43	.01	.09	1	1680	14000
R 140506	2	18	39	159	.1	27	13	1054	3.98	926	5	ND	17	49	.2	17	2	34	.04	.022	30	13	.02	552	.01	5	.43	.01	.07	2	112	17000
R 140507	2	14	38	147	.5	24	12	982	3.78	2060	5	ND	16	51	.2	29	2	20	.15	.022	33	7	.03	579	.01	6	.37	.01	.08	1	650	8200
R 140508	2	17	43	160	.5	22	12	1124	3.85	1116	5	ND	16	49	.4	21	2	31	.37	.023	31	12	.04	634	.01	6	.50	.01	.09	1	460	7300
R 140509	6	17	22	99	.5	19	4	98	2.43	700	6	ND	6	97	.2	41	2	69	.14	.039	20	11	.03	1025	.01	8	.55	.01	.10	1	131	5400
R 140510	2	21	42	278	.3	41	16	1049	4.19	912	5	ND	11	58	.7	24	2	55	.13	.046	30	20	.16	703	.01	6	.84	.01	.08	1	550	5800

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	Hg ppb
R 8201	13	38	19	312	.9	60	8	189	3.42	583	5	ND	9	167	.8	138	2	70	.10	.081	31	10	.03	980	.01	3	.53	.01	.14	1	930	2100
R 8202	13	43	29	436	.6	72	9	131	4.64	722	5	ND	12	302	2.1	198	2	61	.15	.122	39	9	.02	786	.01	2	.64	.01	.20	1	480	2300
R 8203	7	12	31	226	.2	27	12	1382	3.87	1004	5	ND	16	47	.5	126	2	20	.30	.112	49	4	.04	646	.01	4	.63	.01	.15	1	780	1500
R 8204	4	12	27	150	.1	17	10	1169	3.92	1260	5	ND	16	34	.2	50	2	19	.69	.106	48	5	.07	433	.01	7	.59	.01	.17	1	390	1000
R 8205	5	10	32	174	.1	17	10	969	3.64	915	5	ND	15	31	.4	45	2	18	.84	.108	46	6	.07	349	.01	6	.58	.01	.18	1	260	1100
R 8206	5	7	25	151	.1	20	10	971	3.47	1122	5	ND	14	24	1.3	40	2	16	.36	.115	52	2	.04	353	.01	4	.48	.01	.14	1	280	1300
R 8207	6	24	17	240	.1	36	9	491	3.30	1308	6	ND	12	69	1.7	42	2	33	.28	.104	44	2	.03	529	.01	5	.51	.01	.15	1	156	1500
R 8208	4	21	14	40	.8	16	1	32	.74	57	5	ND	3	204	.2	12	2	116	.13	.066	16	12	.03	1786	.01	16	.51	.01	.14	1	8	1000
R 8209	7	32	17	73	.9	23	1	26	.81	79	5	ND	2	257	.2	15	2	199	.44	.206	11	20	.04	2312	.01	14	.67	.01	.15	1	9	760
R 8210	13	46	12	136	.9	39	1	55	1.54	148	5	ND	3	230	.5	26	2	230	.20	.131	13	19	.03	1596	.01	8	.58	.01	.14	1	1	500
R 8211	13	28	13	119	.7	37	2	49	1.48	135	5	ND	3	173	.4	25	2	137	.13	.061	15	13	.03	1618	.01	5	.55	.01	.15	1	25	680
R 8212	10	26	49	382	.3	71	14	930	3.26	437	5	ND	8	73	2.3	58	2	68	.28	.107	37	9	.05	968	.01	6	.67	.01	.14	1	2	1300
R 8213	6	16	38	239	.3	32	12	1261	3.93	360	5	ND	11	32	2.3	57	5	37	.38	.123	49	8	.07	718	.01	4	.74	.01	.16	1	73	940
R 8214	6	12	37	246	.1	30	12	1233	4.17	669	5	ND	11	73	1.2	70	2	36	.14	.086	46	8	.05	1295	.01	2	.69	.01	.12	1	220	1280
R 8215	10	27	32	233	.1	48	13	1476	3.90	462	5	ND	7	115	1.2	81	2	65	.07	.079	33	13	.03	1750	.01	2	.77	.01	.11	1	310	2600
R 8216	7	21	38	145	.3	33	12	1096	3.89	533	5	ND	9	88	1.0	61	2	41	.18	.078	41	8	.05	1337	.01	3	.74	.01	.13	1	101	2900
R 8217	4	16	35	143	.1	21	12	1221	4.33	495	5	ND	14	73	.8	64	4	75	.18	.091	43	22	.12	1056	.01	2	.88	.01	.86	1	220	2800
R 8218	4	18	31	155	.1	25	13	1283	3.82	399	5	ND	16	59	.8	56	2	78	.24	.106	54	22	.10	1071	.01	2	.86	.01	.85	1	43	2200
R 8219	5	20	40	189	.1	28	14	1629	4.14	486	5	ND	15	71	.9	73	6	79	.10	.082	49	23	.03	1143	.01	2	.71	.01	.03	1	21	2400
R 8220	3	21	36	193	.1	25	12	1124	3.52	363	5	ND	15	72	1.2	61	2	77	.22	.083	41	29	.31	1334	.05	2	1.24	.01	.08	1	2	1800
R 8221	2	17	41	139	.1	14	10	843	3.41	208	5	ND	17	48	.8	30	2	88	.51	.117	49	33	.34	1187	.08	2	1.12	.01	.10	1	87	2200
R 8222	4	21	71	168	.1	16	10	1176	3.88	311	5	ND	13	77	.4	45	2	75	.13	.068	44	24	.10	1614	.02	2	.78	.01	.04	1	119	3500
R 8223	4	21	40	181	.1	23	12	1162	3.58	360	5	ND	14	69	.3	45	3	80	.15	.069	37	24	.06	1130	.01	2	.76	.01	.03	1	22	3600
R 8224	4	33	23	236	.1	32	13	1001	3.92	531	5	ND	16	52	.7	44	4	85	.32	.115	53	28	.16	1164	.03	2	1.07	.01	.08	1	141	2600
R 8225	1	20	42	128	.2	16	12	795	3.79	124	5	ND	14	45	.8	50	2	97	.53	.118	45	49	1.18	5987	.19	3	2.76	.02	.39	2	77	250
R 8226	1	26	29	126	.2	19	11	844	4.06	198	5	ND	16	55	.7	30	2	96	.55	.142	53	52	1.08	1645	.16	7	1.96	.02	.35	1	290	380
R 8227	2	31	19	122	.2	21	14	955	4.06	957	5	ND	19	59	.8	113	8	60	.58	.136	69	33	.46	791	.06	4	1.18	.01	.21	1	450	410
R 8228	3	17	43	311	.1	38	14	845	4.09	94	5	ND	15	78	.7	114	5	92	.52	.107	64	38	.49	3266	.13	2	1.72	.01	.13	2	2	600
STANDARD C/AU-R	19	60	38	136	7.7	69	31	1067	3.84	39	17	7	36	47	18.9	15	21	59	.48	.099	38	58	.82	172	.09	33	1.88	.06	.14	12	480	1600

BCTR90K-3

BCTR90K-3 (FILL IN)

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 ppm	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au* ppb	Hg ppb
R 5926	4	38	34	216	.1	30	11	1087	3.97	185	5	ND	14	84	.2	24	2	82	.06	1047	30	27	.02	943	.1	2	.59	.01	.05	1	19	2480
R 5927	5	28	29	251	.1	32	13	1166	4.59	120	5	ND	17	104	.8	21	2	66	.15	2098	34	27	.88	1873	.1	2	.77	.01	.04	1	8	2800
R 5928	1	18	14	184	.1	15	9	618	3.75	49	5	ND	15	50	.9	8	4	98	.58	1520	38	45	1.48	1627	.2	7	2.13	.05	.46	1	5	200
R 5929	1	20	36	120	.2	11	10	654	3.82	85	5	ND	16	52	.7	16	2	102	.59	1205	41	48	1.46	2228	.2	7	2.44	.04	.50	1	1	170
R 5930	1	15	32	127	.1	12	10	585	3.77	125	5	ND	15	56	.2	6	2	102	.55	1186	37	49	1.54	1383	.2	3	2.29	.05	.58	1	4	70
R 5931	2	16	22	97	.1	16	9	621	3.56	192	5	ND	16	63	.9	7	2	90	.56	1186	39	45	1.35	1076	.1	6	1.96	.06	.51	1	9	90
R 5932	1	16	11	113	.1	17	10	592	3.55	18	5	ND	15	69	.2	3	2	99	.72	1175	38	47	1.48	1222	.2	3	2.04	.06	.56	1	1	60
R 5933	2	24	27	113	.1	17	11	736	4.05	39	5	ND	18	79	.6	15	2	83	.85	1226	49	58	1.41	1263	.1	9	2.22	.05	.26	1	5	70
R 5934	2	39	24	114	.1	32	14	853	4.73	19	5	ND	25	90	.5	9	2	65	1.60	1166	65	66	.95	902	.1	2	1.95	.02	.17	1	2	80
R 5935	2	40	19	115	.1	35	16	840	4.77	54	5	ND	25	88	.8	16	2	82	1.15	1169	69	74	1.12	1104	.1	6	1.66	.03	.36	1	7	50
R 5936	2	32	16	102	.1	26	13	765	4.50	52	5	ND	28	68	.2	20	4	54	1.11	1180	76	47	.58	693	.1	6	1.20	.02	.21	1	1	110
R 5937	2	32	16	103	.1	22	13	753	4.27	312	5	ND	25	55	.7	53	3	42	.68	1156	80	30	.26	733	.1	8	.77	.02	.21	1	470	310
R 5938	2	33	10	99	.1	20	11	759	3.90	55	5	ND	19	73	.2	15	3	73	.95	1128	51	41	.95	713	.1	9	1.54	.04	.35	1	15	80
R 5939	1	20	16	103	.1	11	9	758	3.74	114	5	ND	17	49	.2	37	2	80	.52	1112	63	42	1.18	596	.1	6	1.81	.04	.27	1	31	120
R 5940	1	20	38	110	.1	16	11	687	3.65	58	5	ND	17	51	1.1	24	4	97	.62	1115	41	46	1.43	899	.2	11	1.98	.04	.37	1	18	80
R 5941	1	17	43	118	.1	15	11	690	3.55	43	5	ND	15	60	.3	24	2	94	.70	1115	38	44	1.40	879	.2	7	1.93	.05	.39	2	22	70
R 5942	1	18	44	132	.1	12	11	738	3.84	90	5	ND	16	51	.4	36	2	95	.64	1123	41	46	1.40	791	.2	9	1.94	.04	.38	1	24	100
R 5943	2	22	13	124	.1	20	11	863	3.89	318	5	ND	21	65	.2	111	2	57	.63	1121	57	40	.39	544	.1	7	1.09	.01	.16	1	210	900
R 5944	2	42	28	112	.4	14	10	740	3.71	454	5	ND	16	57	.8	148	2	85	.60	1119	45	39	1.11	854	.1	5	1.61	.03	.31	1	470	420
R 5945	1	18	33	132	.1	14	10	632	3.64	58	5	ND	16	59	.2	38	2	94	.68	1114	41	45	1.37	862	.2	6	1.95	.05	.36	1	26	180
R 5946	1	19	41	140	.1	15	10	654	3.73	73	5	ND	18	51	1.0	41	2	93	.55	1120	45	46	1.34	960	.2	7	2.09	.04	.34	1	17	130
R 5947	1	17	34	115	.1	13	10	702	3.60	32	5	ND	15	57	.4	34	2	97	.64	1115	38	44	1.41	940	.2	7	1.87	.04	.34	1	24	60
R 5948	2	16	42	147	.1	15	9	729	3.28	95	5	ND	17	46	.4	43	2	84	.54	1121	39	42	1.16	891	.1	8	1.81	.03	.26	1	1	180
R 5949	1	17	26	118	.3	18	10	662	3.70	373	5	ND	17	55	1.0	34	2	87	.58	1117	49	42	1.19	995	.1	12	1.86	.04	.31	1	620	330
R 5950	1	18	40	122	.1	18	10	671	3.49	138	5	ND	16	62	.5	32	2	90	.71	1117	44	39	1.24	1022	.2	6	1.91	.05	.24	1	41	240
R 5951	1	18	42	138	.1	17	11	676	3.60	33	5	ND	17	61	.5	13	2	95	.76	1121	45	40	1.23	1429	.2	6	1.92	.04	.20	1	13	190
R 5952	2	19	33	242	.1	28	14	811	4.15	67	5	ND	18	51	.4	34	2	83	.53	1120	53	36	.55	1891	.07	5	1.56	.01	.14	1	13	820
R 5953	3	27	55	339	1.6	35	15	1182	4.31	685	5	ND	19	116	1.1	1655	2	76	.23	1085	65	28	.15	1537	.02	5	.87	.01	.09	1	1670	2100
R 5954	2	21	48	212	.3	24	12	821	3.91	293	5	ND	18	74	1.5	600	2	90	.45	1105	52	40	.92	1421	.14	5	1.67	.03	.26	1	690	640
STANDARD C/AU-R	18	58	36	132	7.2	73	30	1029	4.07	36	19	7	36	52	18.9	16	19	55	.52	1093	37	59	.93	179	.07	39	1.95	.06	.14	11	570	1400

BCRA 87

BCRA 87

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	Hg ppb
R 6706	4	63	59	151	2.9	27	3	71	1.36	300	5	ND	5	409	12.9	28	2	266	.55	.331	22	39	.05	1909	.01	11	.92	.01	.18	2	5	5600
R 6707	2	42	43	161	1.1	23	3	104	1.21	119	5	ND	8	263	2.6	30	2	171	.21	.155	31	17	.04	1802	.01	10	.79	.01	.18	1	24	3600
R 6708	3	26	48	250	.5	27	5	177	2.16	321	5	ND	10	143	2.8	30	2	70	.18	.133	36	7	.04	1067	.01	6	.66	.01	.16	1	44	2100
R 6709	5	21	44	443	.3	44	11	477	3.41	153	5	ND	12	46	3.0	50	2	26	.15	.117	41	3	.05	694	.01	6	.67	.01	.18	1	35	540
R 6710	5	17	45	398	.5	36	6	239	3.28	403	7	ND	11	49	4.2	53	2	23	.12	.107	39	3	.04	694	.01	5	.57	.01	.16	1	91	1300
R 6711	4	21	38	338	.4	33	8	492	3.09	575	6	ND	12	44	3.2	66	3	23	.16	.098	39	4	.05	708	.01	5	.55	.01	.19	1	330	1600
R 6712	5	28	30	421	.7	45	8	490	3.11	431	5	ND	12	94	4.3	50	2	53	.17	.120	38	9	.04	1268	.01	7	.62	.01	.18	1	300	2000
R 6713	8	36	31	652	1.0	59	10	484	3.26	1101	7	ND	12	147	2.1	628	2	113	.15	.124	36	17	.03	1757	.01	4	.69	.01	.10	2	1610	3600
R 6714	8	64	19	253	1.0	44	6	191	1.54	679	7	ND	2	488	1.0	154	2	479	1.22	.724	12	42	.03	5213	.02	12	.86	.01	.10	1	37	3000
R 6715	7	61	32	266	.7	42	7	319	2.69	998	6	ND	7	244	1.2	199	2	210	.17	.182	28	21	.04	3147	.01	6	.75	.01	.14	2	410	3300
R 6716	3	20	30	175	.5	26	10	740	4.01	1367	8	ND	13	94	.6	182	2	28	.13	.085	50	5	.04	1270	.01	4	.69	.01	.13	1	530	3200
R 6717	3	13	15	156	.2	16	9	1000	3.58	592	5	ND	16	46	.2	116	2	19	.16	.098	53	5	.05	824	.01	4	.54	.01	.18	1	320	2300
R 6718	3	10	15	219	.2	18	8	714	3.13	995	6	2	16	50	1.1	210	2	22	.14	.086	50	6	.04	900	.01	3	.53	.01	.18	1	880	2400
R 6719	2	12	17	189	.2	16	10	983	3.83	960	9	2	16	56	.8	402	2	34	.15	.086	49	10	.05	1057	.01	3	.57	.01	.14	1	1070	3000
R 6720	3	12	32	216	.2	20	10	1202	4.38	869	5	ND	15	82	.8	117	2	45	.17	.093	51	10	.05	1210	.01	3	.64	.01	.10	1	460	2400
R 6721	1	9	20	99	.2	10	8	625	3.66	533	5	ND	15	40	.2	99	2	42	.30	.108	46	13	.17	1158	.01	3	.70	.01	.13	1	650	1100
R 6722	1	12	20	98	.1	5	7	546	3.30	107	5	ND	16	39	.2	51	2	68	.43	.114	46	26	.78	1156	.02	2	1.62	.01	.13	1	58	80
R 6723	1	15	34	111	.1	11	9	702	3.33	83	5	ND	17	58	.2	28	2	96	.69	.116	51	41	1.22	2026	.21	2	2.17	.02	.13	1	82	140
R 6724	1	15	28	98	.1	13	7	494	3.01	47	5	ND	17	62	.2	15	2	85	.71	.113	50	34	1.00	1578	.26	3	1.91	.03	.11	2	40	70
R 6725	1	17	37	116	.2	12	8	484	3.35	166	5	ND	19	60	.2	24	2	91	.64	.118	59	37	.92	1617	.25	2	1.87	.03	.19	2	310	410
R 6726	2	17	52	182	.3	22	11	825	3.50	605	5	ND	18	63	.3	290	2	77	.24	.096	57	23	.17	1241	.04	2	.84	.01	.06	1	1380	3600
R 6727	1	17	28	123	.1	14	9	512	3.27	191	5	ND	18	62	.2	284	2	88	.58	.119	49	35	.75	1710	.20	2	1.60	.02	.20	1	220	1200
R 6728	1	16	36	106	.1	12	8	537	3.20	176	5	ND	17	59	.2	283	2	87	.63	.112	45	33	.82	1285	.23	4	1.59	.02	.16	1	162	820
R 6729	2	15	39	168	.1	21	12	962	3.61	562	5	ND	19	50	.2	211	2	66	.20	.100	45	18	.04	843	.01	2	.60	.01	.06	1	104	3000
R 6730	2	17	34	163	.1	24	11	662	3.30	320	5	ND	19	40	.2	88	2	76	.40	.121	50	26	.22	1168	.05	2	1.07	.01	.10	1	4	1800
R 6731	3	19	49	308	.4	36	13	1192	4.24	1326	5	ND	18	66	.4	132	2	64	.06	.060	45	20	.02	1200	.01	4	.62	.01	.06	1	830	5000
R 6732	2	17	37	255	1.1	29	12	1242	3.62	2002	5	3	16	51	.5	115	2	51	.07	.049	45	15	.01	1179	.01	2	.47	.01	.05	1	3990	5200
R 6733	2	18	30	270	1.7	32	11	975	3.61	2989	5	8	14	58	.6	119	2	45	.09	.032	38	12	.01	1035	.01	3	.51	.01	.07	1	8460	4800
R 6734	2	20	58	285	1.2	31	12	1433	3.83	2283	5	6	16	80	1.1	84	2	45	.06	.053	44	12	.01	1598	.01	3	.52	.01	.07	2	5560	3200
R 6735	2	20	38	395	.3	40	13	1160	3.51	1224	5	ND	16	70	2.8	73	2	51	.06	.064	39	16	.01	1784	.01	3	.54	.01	.05	1	900	4200
R 6736	2	21	46	360	.1	38	12	792	3.53	726	5	ND	19	41	1.4	73	2	60	.16	.101	57	20	.01	749	.01	2	.58	.01	.06	1	210	2900
R 6737	2	22	37	457	.3	49	14	837	3.71	975	5	ND	22	35	1.7	109	2	76	.23	.117	64	23	.02	637	.01	3	.60	.01	.06	1	1130	3000
R 6738	3	20	45	389	.1	43	13	1198	3.97	1011	5	ND	18	50	.7	111	4	59	.15	.087	49	17	.03	960	.01	2	.54	.01	.07	1	480	3400
R 6739	3	24	120	393	.7	34	13	1702	4.54	1606	5	2	14	64	1.6	130	2	58	.04	.050	37	15	.01	1222	.01	2	.48	.01	.05	2	2890	3800
R 6740	3	32	47	506	.9	72	21	1673	4.53	1388	5	ND	20	62	2.2	105	2	40	.16	.092	62	17	.02	1067	.01	2	.52	.01	.09	1	530	1800
R 6741	3	39	39	365	.1	52	17	1564	4.23	980	5	ND	24	42	1.6	76	2	27	.27	.129	76	17	.03	755	.01	2	.47	.01	.13	1	79	1700
R 6742	3	26	31	439	.2	66	22	1880	4.57	1038	5	ND	22	44	.2	84	3	51	.35	.123	72	25	.24	2731	.05	3	1.22	.01	.21	1	260	1400
R 6743	2	23	63	429	.1	43	14	1820	3.38	934	5	ND	20	56	1.4	73	2	70	.24	.105	48	23	.09	1217	.02	2	.80	.01	.09	1	91	3300
R 6744	2	21	48	303	.1	27	12	1122	3.33	480	5	ND	20	40	1.1	34	2	56	.20	.103	43	17	.02	876	.01	2	.66	.01	.05	1	113	3200
R 6745	2	19	49	174	.1	22	10	1032	2.93	599	5	ND	17	75	.2	33	2	57	.09	.062	40	20	.03	1598	.01	3	.66	.01	.05	1	280	3700
R 6746	2	20	67	208	.2	26	13	1047	4.13	494	5	ND	18	85	.4	45	2	76	.11	.083	49	25	.03	1322	.01	3	.66	.01	.04	1	174	4300
R 6747	3	20	48	185	.1	20	13	1133	3.96	462	5	ND	15	73	.4	38	2	72	.03	.046	32	21	.02	1132	.01	2	.56	.01	.03	1	560	3800
R 6748	2	17	59	215	.1	18	11	922	3.74	437	5	ND	18	67	.4	41	2	68	.06	.067	45	19	.02	1133	.01	2	.61	.01	.04	1	540	2600
R 6749	2	15	80	260	.3	19	12	1105	3.44	1040	5	ND	16	71	.9	48	2	49	.09	.062	37	16	.03	1668	.01	2	.59	.01	.06	2	1890	3800
R 6750	1	15	33	103	.1	12	8	490	3.07	42	5	ND	17	53	.2	9	2	87	.67	.114	48	35	.80	1169	.24	2	1.52	.03	.17	2	49	180

GEOCHEMICAL A[illegible]IS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9006-029 File # 90-1771 Page 1

P.O. Box 2380, 1050 Davie St., Vancouver BC V6B 3Y5

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	Hg ppb
R 178	1	15	27	116	.1	13	9	597	3.52	176	5	ND	17	55	.2	17	2	91	.63	.118	49	38	.94	1289	.21	2	1.66	.03	.19	1	290	130
R 179	1	20	36	183	.1	21	10	955	3.92	143	5	ND	19	56	.6	30	2	86	.43	.117	51	30	.40	1108	.10	2	1.13	.01	.10	1	117	1200
R 180	4	18	94	286	.1	34	12	1205	3.75	509	5	ND	18	79	2.3	57	2	63	.20	.101	57	17	.05	1064	.01	2	.77	.01	.06	1	590	2400
R 181	1	12	12	102	.1	12	9	533	3.30	33	5	ND	18	56	.2	10	2	98	.56	.114	44	42	1.10	1806	.28	2	1.93	.04	.42	1	54	80
R 182	2	23	35	218	.1	25	11	665	3.80	130	5	ND	19	64	1.2	29	2	80	.35	.106	46	27	.30	1311	.09	2	1.16	.01	.10	1	2	800
R 183	2	28	41	243	.1	38	15	1123	4.43	120	5	ND	21	32	2.6	21	2	76	.19	.112	59	19	.02	538	.01	2	.63	.01	.03	1	44	780
R 184	3	27	235	505	.6	37	14	713	4.05	324	5	ND	18	46	2.5	43	2	68	.16	.098	50	18	.02	637	.01	2	.63	.01	.04	1	55	950
R 185	6	28	149	575	.7	56	17	1232	5.11	737	5	ND	18	55	3.0	99	2	66	.16	.100	58	17	.03	904	.01	2	.71	.01	.07	1	1630	2800
R 186	5	28	53	427	.4	50	18	992	4.88	805	5	ND	18	103	3.1	79	2	70	.04	.078	57	20	.02	1518	.01	2	.76	.01	.04	1	420	2600
R 187	2	21	51	203	.3	27	13	767	4.14	452	5	ND	18	54	1.1	38	2	84	.42	.115	56	33	.55	1633	.14	2	1.47	.01	.21	1	530	1500
R 188	2	18	40	169	.1	25	12	779	4.09	229	5	ND	19	37	.5	21	2	86	.49	.121	66	34	.46	834	.10	2	1.19	.01	.10	1	260	960
R 189	4	21	56	222	.1	27	12	1278	4.50	606	5	ND	16	63	1.0	36	2	69	.13	.064	46	21	.06	1108	.01	2	.66	.01	.04	1	1440	4300
R 190	3	22	47	215	.2	26	13	1161	4.40	843	5	ND	16	59	.9	42	2	67	.12	.066	49	20	.08	1206	.01	2	.71	.01	.05	1	1780	2800
R 191	3	25	61	252	.1	25	12	1047	4.09	688	5	ND	15	72	1.4	38	2	67	.21	.079	50	24	.16	1117	.05	2	.91	.01	.07	1	560	3200
STANDARD C/AU-R	17	58	39	133	7.7	67	30	1052	4.00	43	18	7	37	48	18.5	15	19	58	.48	.096	38	56	.86	175	.09	31	1.79	.06	.14	12	510	1300

BET'90 K-H

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. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: JUN 14 1990 **DATE REPORT MAILED:** June 20/90 **SIGNED BY** .....D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Noranda Exploration Co. Ltd. PROJECT 9006-029 FILE # 90-1771 Page 2

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	Hg ppb
R 192	1	17	46	148	.1	14	9	659	3.28	85	5	ND	17	56	.9	11	2	83	.60	.098	42	33	.72	1233	.16	2	1.30	.02	.09	1	87	1200
R 193	1	15	40	134	.1	13	9	591	3.28	81	5	ND	16	48	.2	11	2	81	.56	.110	42	33	.79	1271	.15	2	1.46	.02	.15	2	122	270
R 194	2	18	28	146	.1	15	9	627	3.20	101	5	ND	19	46	.6	19	2	81	.47	.116	40	30	.42	1009	.08	2	1.17	.01	.10	1	43	1300
R 195	6	22	33	273	.1	32	13	1122	4.27	432	5	ND	17	82	.9	43	2	65	.11	.075	48	18	.02	1035	.01	2	.56	.01	.04	1	240	2100
R 196	2	20	38	244	.1	48	13	614	4.17	312	5	ND	18	42	.9	36	2	86	.41	.115	50	34	.55	1187	.16	5	1.51	.01	.26	1	188	1600
R 197	4	20	85	251	.2	25	10	858	4.06	376	5	ND	19	39	.8	50	2	70	.33	.116	59	23	.24	729	.06	4	.90	.01	.15	1	99	1400
R 198	1	14	17	145	.1	19	10	624	3.49	46	5	ND	18	48	.2	10	2	100	.43	.109	44	43	1.24	1360	.27	2	2.10	.03	.48	1	34	180
R 199	3	16	47	315	.1	30	12	925	4.40	177	5	ND	17	68	1.9	31	2	75	.20	.081	45	26	.29	1054	.07	5	1.11	.01	.16	1	28	2800
R 200	2	20	40	283	.5	35	11	716	4.06	1197	5	ND	20	56	1.8	45	2	56	.37	.117	61	20	.21	1389	.04	5	1.04	.01	.19	1	950	1900

BET'90 K-H

Noranda Exploration Co. Ltd. PR 9006-029 FILE # 90-1771

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	ppb
R 1378	8	23	11	50	.1	7	1	5	.99	106	5	ND	1	120	.7	13	2	67	.01	.012	2	11	.01	2174	.01	2	.09	.01	.01	1	10	1300
R 1379	13	25	22	58	.2	7	2	13	1.33	163	5	ND	2	78	1.4	14	2	61	.03	.018	13	14	.01	2011	.01	6	.27	.01	.07	1	13	1400
R 1380	15	21	33	150	.2	18	2	23	2.09	188	5	ND	6	81	.8	15	2	67	.06	.028	33	18	.03	319	.02	9	.47	.01	.25	1	17	3500
R 1381	14	27	33	163	.6	17	3	36	2.80	880	5	2	7	81	2.3	132	5	89	.06	.033	24	16	.03	1548	.01	8	.47	.01	.14	1	3260	4000
R 1382	6	36	37	513	.4	57	11	635	3.32	1762	5	ND	15	63	3.0	428	2	64	.16	.069	36	23	.10	2687	.01	7	.83	.01	.07	1	2540	3680
R 1383	4	26	32	507	.3	53	11	895	4.07	1216	5	ND	17	50	4.9	413	2	78	.30	.088	43	24	.22	2711	.05	2	1.13	.01	.08	1	1420	2680
R 1384	5	29	38	535	.6	49	7	430	4.87	2263	5	2	16	46	9.8	1051	2	79	.11	.064	45	17	.02	2040	.01	4	.56	.01	.08	1	2240	4180
R 1385	4	20	36	270	.4	33	11	1085	4.22	1390	5	2	14	47	2.1	516	4	59	.04	.040	43	17	.01	2383	.01	9	.57	.01	.07	1	2570	3280
R 1386	3	21	57	232	.4	24	9	593	3.52	1325	5	2	17	39	2.6	327	2	52	.22	.093	53	18	.21	1359	.02	7	.95	.01	.15	1	2510	2380
R 1387	1	18	45	252	.3	37	10	574	3.67	849	5	ND	16	38	1.1	264	2	66	.33	.108	52	27	.49	2006	.05	2	1.66	.01	.20	1	1420	1800
R 1388	2	18	52	255	.4	32	12	1362	3.90	1885	5	ND	16	39	.5	608	2	52	.31	.115	59	19	.19	2673	.01	4	.92	.01	.14	1	760	2480
R 1389	2	17	27	159	.3	22	10	1131	3.69	844	5	ND	18	31	.5	228	2	45	.33	.120	65	15	.09	886	.01	8	.71	.01	.13	1	1250	2100
R 1390	2	17	38	210	.4	21	11	1300	3.95	1283	5	ND	17	51	.7	396	4	43	.19	.095	57	15	.02	2682	.01	7	.54	.01	.10	1	1570	3400
R 1391	2	21	54	234	.4	29	11	1203	4.34	822	5	ND	17	55	1.5	674	2	47	.18	.109	61	14	.04	2088	.01	3	.63	.01	.10	1	350	3100
R 1392	3	43	485	713	.2	34	11	820	4.31	754	5	ND	16	36	4.9	358	2	39	.27	.119	51	14	.03	2144	.01	4	.59	.01	.13	1	71	3800
R 1393	3	59	131	471	.2	53	14	936	4.48	953	5	ND	16	46	2.7	326	2	57	.19	.106	49	18	.02	1445	.01	4	.68	.01	.09	1	12	3700
R 1394	3	31	87	332	.1	42	12	842	4.53	567	5	ND	16	86	1.8	149	3	52	.10	.095	48	15	.02	1543	.01	4	.66	.01	.08	1	23	3500
R 1395	2	24	42	229	.1	29	13	895	3.89	528	5	ND	18	52	1.8	183	4	51	.19	.110	51	16	.03	2236	.01	9	.67	.01	.11	1	88	3000
R 1396	1	19	46	171	.1	21	10	686	3.44	296	5	ND	16	43	.9	150	4	72	.30	.110	48	31	.56	2472	.04	2	1.43	.01	.14	1	96	1100
R 1397	1	17	34	194	.1	13	9	775	3.17	74	5	ND	17	45	.9	58	3	70	.37	.109	51	26	.41	1872	.02	2	1.04	.01	.13	1	17	430
R 1398	2	19	51	320	.2	22	12	1095	4.41	215	5	ND	19	30	1.5	111	2	68	.31	.126	59	24	.11	1583	.01	2	.71	.01	.11	1	73	1400
R 1399	2	22	98	309	.2	26	13	1065	4.06	245	5	ND	18	55	1.6	145	3	68	.24	.117	60	23	.08	2585	.01	2	.76	.01	.10	1	60	1600
R 1400	1	16	54	238	.1	19	10	910	3.45	118	5	ND	19	29	.7	55	3	64	.35	.122	58	29	.43	1306	.01	2	1.08	.01	.10	1	14	720
R 1401	1	15	59	181	.1	16	10	848	3.62	160	5	ND	17	36	.8	65	2	59	.41	.113	52	27	.66	1332	.01	2	1.50	.01	.12	1	42	820
R 1402	1	18	69	259	.1	33	13	549	3.74	166	5	ND	17	42	1.3	79	5	54	.41	.120	53	27	.49	1891	.01	2	1.48	.01	.12	1	18	650
R 1403	2	18	58	282	.1	33	14	857	4.01	188	5	ND	18	27	1.2	72	2	67	.34	.124	45	27	.31	1103	.01	2	1.04	.01	.10	1	11	2600
R 1404	1	15	28	104	.1	11	10	662	3.43	77	5	ND	15	56	.5	43	2	79	.49	.111	50	39	1.19	3610	.05	2	2.29	.01	.17	1	6	160
STANDARD C/AU-R	17	57	38	134	7.5	68	30	1048	3.96	39	16	7	37	47	18.2	15	22	57	.47	.093	38	56	.85	175	.09	33	1.76	.06	.14	12	520	1500

BC7K K3

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	Hg ppb
R 1405	1	18	23	113	.1	15	9	735	3.44	102	5	ND	16	40	.2	52	2	74	.45	.115	53	35	1.06	1817	.01	4	2.19	.01	.16	1	1	320
R 1406	1	18	30	117	.1	16	8	685	3.69	98	5	ND	16	37	.2	66	2	76	.41	.115	49	38	1.15	1640	.01	3	2.34	.01	.16	1	9	200
R 1407	1	17	22	156	.1	13	9	631	3.44	54	5	ND	16	39	.5	44	2	80	.37	.110	44	39	1.26	1885	.02	4	2.28	.02	.17	1	6	180
R 1408	1	18	24	196	.1	24	10	571	3.63	182	5	ND	16	46	.2	67	2	75	.40	.114	55	35	.94	2137	.02	3	2.11	.01	.16	1	37	630
R 1409	1	17	33	118	.2	12	9	618	3.52	50	5	ND	17	49	.2	24	2	85	.41	.112	50	41	1.36	3139	.04	5	2.54	.02	.23	1	2	150
R 1410	1	17	32	113	.1	15	8	689	3.54	116	5	ND	16	42	.2	35	2	88	.48	.115	54	41	1.41	1500	.04	4	2.49	.01	.22	1	5	330
R 1411	1	19	54	156	.2	23	11	837	3.45	187	5	ND	16	48	.2	59	2	74	.46	.118	56	41	1.10	3353	.02	6	2.58	.01	.20	1	28	430
R 1412	1	16	46	130	.1	15	10	645	3.42	182	5	ND	15	48	.2	24	3	88	.45	.117	49	41	1.36	2908	.06	7	2.61	.02	.25	1	11	250
R 1413	1	16	35	164	.1	15	10	653	3.44	160	5	ND	15	54	.2	19	2	88	.50	.116	49	43	1.36	2769	.06	6	2.65	.01	.29	1	7	380
R 1414	1	16	36	102	.1	13	9	622	3.14	120	5	ND	16	28	.2	28	2	77	.42	.120	49	36	.81	638	.03	4	1.64	.01	.18	1	14	360
R 1415	1	16	29	112	.1	12	9	691	3.46	148	5	ND	17	37	.2	26	2	79	.53	.120	52	35	.97	1026	.09	5	2.11	.01	.37	1	11	430
R 1416	2	18	24	109	.1	17	9	811	3.55	519	5	ND	17	28	.2	39	2	52	.32	.117	54	18	.11	679	.01	5	.78	.01	.15	5	570	900
R 1417	1	19	30	126	.2	15	11	891	3.61	389	5	ND	16	47	.2	33	2	55	.42	.119	54	29	.67	1773	.01	9	1.58	.01	.14	1	97	330
R 1418	1	12	21	115	.1	12	9	712	3.37	109	5	ND	15	46	.2	11	2	71	.39	.111	46	37	1.10	1329	.03	3	1.87	.02	.20	1	24	130
R 1419	1	13	21	88	.1	17	12	817	3.33	437	5	ND	17	38	.2	35	2	50	.43	.122	58	25	.56	1812	.01	7	1.42	.01	.14	1	310	560
R 1420	1	14	27	92	.1	13	10	626	3.37	36	5	ND	15	40	.2	10	2	81	.45	.123	48	40	1.26	789	.01	8	2.12	.02	.14	1	2	60
R 1421	1	18	43	93	.1	11	9	589	3.36	38	5	ND	16	52	.2	8	2	76	.45	.115	59	33	.94	1280	.03	6	2.83	.02	.20	1	9	150
R 1422	1	16	12	112	.1	15	10	763	3.30	54	5	ND	16	40	.2	14	2	66	.45	.120	54	27	.41	859	.03	5	1.29	.01	.15	1	7	280
R 1423	3	20	19	296	.1	31	12	931	3.77	455	6	ND	15	51	.7	45	5	56	.33	.116	58	24	.30	905	.01	5	1.88	.01	.12	1	270	3200
R 1424	4	34	22	559	.2	63	18	1314	4.45	544	6	ND	13	59	1.6	60	2	59	.27	.128	56	27	.06	1347	.03	4	.72	.01	.09	1	240	3000
R 1425	18	70	27	486	.9	75	6	220	2.06	191	5	ND	4	200	3.0	46	2	337	1.15	.474	27	37	.08	2181	.01	12	.94	.01	.20	5	23	2400
R 1426	15	55	27	458	.8	69	8	423	2.29	213	5	ND	5	227	2.9	50	2	270	.98	.425	31	33	.07	2003	.01	10	.89	.01	.17	5	30	1500

GEOCHEMICAL A' YSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9006-029 File # 90-1771 Page 1

P.O. Box 2380, 1050 Davie St., Vancouver BC V6B 3I5

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	Hg ppb
R 77	1	38	15	33	.8	7	8	25	.86	177	5	ND	2	1050	2.4	27	4	472	1.30	.185	12	69	.02	11290	.01	19	1.24	.01	.09	5	41	3200
R 78	1	37	16	26	.9	9	7	38	.53	125	7	ND	2	677	2.1	30	2	680	.08	.438	14	57	.03	9762	.01	9	1.04	.01	.10	3	70	6480
R 79	2	20	31	122	2.3	15	7	343	2.35	4197	5	13	12	143	3.8	50	2	79	.06	.064	31	12	.01	1772	.01	2	.46	.01	.08	3	15100	5580
R 80	3	17	32	197	4.0	16	8	655	3.36	6936	5	17	12	75	.9	66	2	36	.05	.037	32	10	.01	1781	.01	2	.48	.01	.06	2	17900	6280
R 81	8	18	38	452	.6	28	9	789	3.98	1582	6	2	13	54	1.5	83	2	47	.02	.058	33	13	.01	1058	.01	2	.50	.01	.04	1	1620	4600
R 82	4	17	28	256	.5	25	10	1162	4.26	1339	5	ND	13	44	.5	41	2	59	.03	.041	32	16	.02	1274	.01	5	.49	.01	.05	1	980	6800
R 83	5	19	68	266	.5	29	10	909	4.12	1949	5	ND	13	41	1.0	52	2	41	.05	.051	39	10	.02	999	.01	2	.42	.01	.08	1	900	6000
R 84	4	20	33	195	.4	22	10	901	3.72	3172	5	4	13	45	.4	58	2	29	.04	.038	38	9	.01	1201	.01	2	.44	.01	.07	1	4630	3300
R 85	4	19	39	241	.7	25	12	1339	3.83	1800	5	ND	14	44	.6	79	2	34	.04	.042	41	10	.03	1314	.01	2	.49	.01	.08	1	930	2900
R 86	6	20	60	351	.1	41	11	922	3.66	1715	5	ND	14	47	.9	111	2	43	.05	.051	40	12	.02	1128	.01	6	.51	.01	.07	1	400	3800
R 87	3	19	68	202	.2	25	11	1008	3.77	1211	5	ND	15	49	.2	88	2	56	.14	.078	43	18	.03	1058	.01	3	.59	.01	.07	1	310	3600

BCTR90K-6

48 oz/t

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9006-043 File # 90-1905 Page 1

P.O. Box 2380, 1050 Davie St., Vancouver BC V6B 3T5

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	Hg ppb
R 88	3	27	36	173	.8	26	13	1234	3.74	1261	22	ND	14	57	.3	377	2	50	.07	.042	44	16	.04	1532	.01	7	.81	.01	.10	2	650	4200
R 89	2	25	39	161	.9	24	13	1174	3.81	1344	23	ND	15	53	.5	238	2	39	.10	.051	46	11	.03	2364	.01	9	.55	.01	.09	2	690	3800
R 90	3	21	52	216	.7	31	12	1961	3.80	1675	21	ND	14	49	.5	166	2	44	.05	.045	44	10	.02	1343	.01	5	.60	.01	.08	2	1200	3700
R 91	2	19	55	182	.5	26	12	1243	3.76	758	15	ND	15	45	.3	79	2	49	.13	.074	46	17	.03	1067	.01	5	.58	.01	.09	1	410	3500
R 92	2	24	50	215	1.2	29	13	1351	3.92	1285	24	ND	15	57	.5	901	3	51	.12	.073	50	16	.07	1361	.01	10	.66	.01	.09	1	2440	3800
R 93	1	17	32	143	.5	24	11	906	3.52	683	11	ND	16	43	.2	156	2	50	.54	.102	50	16	.11	814	.01	8	.77	.01	.12	1	610	3200
R 94	1	18	36	165	.4	24	12	913	3.79	625	12	ND	16	43	.2	234	2	52	.31	.106	48	21	.25	1254	.01	8	1.15	.01	.12	1	220	2300
R 95	1	19	33	145	.4	20	12	1255	3.65	916	15	ND	17	50	.2	241	2	46	.24	.106	55	14	.04	1248	.01	5	.58	.01	.10	1	360	2700
R 96	1	20	44	142	.3	16	11	1521	3.09	401	7	ND	16	62	.5	156	2	69	.31	.105	50	23	.29	1693	.01	2	1.14	.01	.10	1	68	2200
R 97	1	14	38	145	.4	14	13	930	3.80	190	5	ND	15	86	.4	79	2	95	.56	.120	52	44	1.33	6328	.11	5	2.65	.01	.35	1	79	340
R 98	1	19	46	141	.7	14	10	921	3.29	592	10	ND	18	42	.6	85	2	68	.44	.118	58	24	.37	1662	.04	9	1.19	.01	.19	1	890	1400
R 99	1	26	29	109	.4	26	14	824	2.98	169	5	ND	12	55	.2	83	2	77	.42	.088	48	35	1.10	5173	.06	7	2.25	.01	.30	1	82	150
R 100	2	25	30	98	.3	30	13	901	2.69	214	5	ND	10	53	.2	85	2	84	.40	.082	41	31	.88	4848	.09	9	1.85	.01	.32	1	101	220
R 101	1	18	51	163	.4	23	13	1087	4.06	210	5	ND	15	47	.5	70	2	102	.57	.113	54	46	1.42	4424	.14	7	2.79	.02	.42	1	71	250
R 102	1	19	65	194	.4	23	12	1263	3.67	418	8	ND	16	79	.6	126	2	65	.24	.080	48	24	.35	2097	.02	8	1.21	.01	.11	1	89	2200
R 103	1	18	40	114	1.0	13	10	671	3.21	276	5	ND	16	45	.4	41	2	76	.52	.113	56	35	1.02	1405	.01	5	1.87	.01	.12	1	680	860
R 104	1	15	26	98	.4	13	9	788	3.39	73	5	ND	13	44	.3	27	2	101	.58	.110	50	44	1.58	1316	.08	2	2.43	.01	.28	1	50	200
R 105	1	18	119	205	.5	11	11	794	3.66	65	5	ND	15	47	1.0	24	2	97	.58	.112	50	47	1.49	3710	.09	7	2.51	.01	.26	1	48	260

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	Hg ppb
R 5836	6	30	36	444	1.1	66	22	2131	3.51	1574	6	ND	17	109	1.6	2788	2	43	.15	.071	55	16	.04	937	.01	4	.67	.01	.11	1	1070	3580
R 5837	3	24	94	226	1.5	31	10	248	2.34	1154	5	ND	14	84	1.1	2622	2	30	.05	.036	46	10	.01	662	.01	2	.61	.01	.11	1	1290	3400
R 5838	5	21	235	380	2.8	35	6	314	2.97	1033	5	ND	13	87	2.6	1267	2	27	.05	.041	39	9	.02	718	.01	2	.54	.01	.12	1	350	5100
R 5839	4	16	47	367	.5	38	6	255	2.81	906	5	ND	14	87	3.7	1424	2	32	.05	.046	42	9	.01	657	.01	2	.51	.01	.10	1	200	5580
R 5840	5	15	74	444	.7	44	7	289	3.18	865	5	ND	15	117	1.5	1001	2	27	.08	.063	39	8	.02	838	.01	2	.56	.01	.13	1	121	3180
R 5841	4	18	45	526	.4	50	10	601	3.16	633	5	ND	14	102	1.6	1063	2	45	.04	.041	35	14	.01	703	.01	3	.57	.01	.09	1	134	5800
R 5842	6	21	55	587	.7	67	12	658	3.32	769	5	ND	15	110	1.2	1266	2	38	.04	.049	34	13	.01	908	.01	2	.58	.01	.09	1	152	4300
R 5843	5	22	59	612	.5	67	12	519	3.46	637	5	ND	17	119	1.5	745	3	48	.04	.052	33	17	.02	925	.01	5	.67	.01	.10	1	40	8500
R 120023	3	27	28	168	6.6	17	6	222	2.94	9509	8	30	15	96	7.3	71	2	56	.06	.039	41	14	.01	2968	.01	2	.52	.01	.09	1	39420	14400
R 120024	3	18	30	191	4.4	17	8	288	3.16	5865	7	18	14	86	1.5	63	2	40	.06	.036	36	9	.01	1418	.01	7	.47	.01	.07	1	17530	11000
R 120025	4	5	49	21	.9	7	1	16	.13	84	5	2	10	220	.2	15	2	58	.04	.106	37	14	.02	2765	.01	4	.69	.01	.09	1	2130	8700
R 124803	46	683	21	2815	17.1	26	4	167	21.02	705	5	ND	4	12	11.2	30	12	380	.03	.165	14	39	.01	202	.01	2	.66	.01	.01	1	1490	21000
STANDARD C/AU-R	19	59	42	135	7.7	69	29	1027	3.90	38	19	7	37	53	18.6	18	22	58	.51	.098	36	56	.85	183	.08	34	1.90	.07	.14	13	510	1500

GOLDEN ZONE K-6

R 120023
24
25 are resamples of TRK-6 R 79, 80, 81 each 3m chip.

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

GEOCHEMICAL ANALYSIS CERTIFICATE Brewery Hole # 236, 242, 246 257

Noranda Exploration Co. Ltd. PROJECT 9010-072 File # 90-5468 Page 1

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5

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	Hg ppb
R 141001	3	14	20	18	.8	10	1	17	.97	92	5	ND	6	238	.6	7	4	56	.07	.061	23	14	.02	872	.01	6	.47	.01	.07	1	29	1500
R 141002	2	25	34	63	.3	7	3	44	1.62	149	5	ND	9	152	.4	12	2	31	.05	.061	29	5	.02	727	.01	6	.42	.01	.09	1	51	1200
R 141003	5	55	45	252	.6	22	7	96	2.72	449	5	ND	10	186	1.3	21	3	55	.05	.088	28	14	.01	845	.01	7	.47	.01	.10	1	120	1500

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: P1 ROCK P2 TO P10 CUTTING AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: OCT 23 1990 **DATE REPORT MAILED:** Oct 26/90 **SIGNED BY.** C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

BCTR90K-6

Noranda Exploration Co. Ltd. PROJECT 9006-043 FILE # 90-1905

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	Hg ppb
R 5726	2	25	28	216	.3	46	17	890	4.33	111	5	ND	23	47	1.3	25	3	97	.40	.146	59	67	1.00	1424	.20	2	2.06	.02	.51	1	32	390
R 5727	2	30	25	197	.3	40	15	914	3.81	90	7	ND	26	64	.8	18	2	74	.26	.127	64	54	.44	1151	.08	2	1.38	.01	.27	1	7	1500
R 5728	2	25	40	227	.4	37	14	866	3.70	321	10	ND	25	59	1.4	27	4	67	.27	.125	65	41	.16	956	.04	7	.86	.01	.22	1	40	2000
R 5729	2	35	47	279	.8	44	17	796	4.26	376	9	ND	25	51	1.6	42	2	85	.30	.112	64	55	.59	1282	.14	3	1.55	.01	.41	1	66	1500
R 5730	2	34	79	322	1.6	40	16	1688	4.15	308	11	ND	27	58	2.3	62	2	68	.28	.127	69	41	.20	1019	.05	3	.88	.01	.20	1	1	2200
R 5731	3	58	118	363	1.0	55	16	1207	3.92	268	11	ND	17	102	4.1	10463	2	58	.30	.081	62	36	.07	1606	.01	4	1.03	.01	.11	1	260	3300
R 5732	3	37	59	271	.9	46	17	1058	4.42	373	8	ND	27	49	1.1	156	2	59	.30	.127	76	44	.33	966	.08	5	1.10	.01	.32	1	48	1050
R 5733	2	40	44	222	.5	42	16	1322	4.42	266	6	ND	25	55	.6	104	2	71	.30	.114	64	54	.57	1384	.14	3	1.54	.01	.41	1	72	1200
R 5734	4	43	24	300	.3	56	15	357	3.31	139	5	ND	15	102	1.1	39	3	67	.23	.093	46	37	.39	1784	.06	8	1.29	.01	.33	1	14	340
R 5735	6	42	18	284	.3	47	7	102	2.80	61	6	ND	8	128	.7	23	2	47	.07	.055	36	8	.06	1232	.01	4	.69	.01	.24	1	18	320
R 5736	3	38	19	297	.2	52	17	902	4.17	111	6	ND	23	88	1.6	19	6	29	.34	.127	77	14	.08	2148	.01	2	.83	.01	.18	1	1	240
R 5737	4	41	20	289	.3	73	19	615	4.03	103	5	ND	19	84	.8	28	2	35	.24	.104	70	14	.08	1320	.01	2	.84	.01	.20	1	1	380
R 5740	1	12	20	86	.3	10	8	667	2.85	83	5	ND	13	103	.2	16	2	76	4.34	.116	29	36	1.41	516	.01	2	.73	.01	.07	1	3	1400
R 5743	7	21	22	125	.4	27	4	28	3.02	33	8	ND	5	55	.2	12	5	55	.06	.045	24	8	.03	1657	.01	8	.53	.01	.15	1	25	640
R 5744	8	14	18	112	.3	21	2	28	2.08	35	5	ND	6	71	.2	10	2	53	.09	.052	27	8	.05	419	.01	8	.54	.01	.22	1	3	770
R 5745	8	13	16	52	.2	14	2	18	1.27	21	5	ND	5	57	.2	7	2	52	.04	.028	25	8	.03	1438	.01	9	.50	.01	.18	1	1	1400
R 5746	6	44	32	289	.4	53	9	102	3.59	179	8	ND	9	169	.2	19	7	63	.06	.113	36	12	.04	1746	.01	2	.70	.01	.19	1	7	2000
R 5747	3	46	43	347	.3	56	12	276	4.62	61	7	ND	13	44	.4	22	2	24	.14	.109	45	11	.06	927	.01	2	.93	.01	.20	1	11	1100
R 5748	3	37	33	236	.2	45	17	638	4.04	577	12	ND	13	106	1.4	44	2	28	.07	.085	46	12	.04	1594	.01	4	.80	.01	.16	1	85	2300
STANDARD C/AU-R	18	56	42	136	7.3	68	29	1031	3.71	40	21	7	37	47	17.7	16	21	55	.49	.088	36	60	.88	175	.09	32	1.81	.06	.14	11	510	1400

BCTR 90K-7

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9006-057 File # 90-2013

P.O. Box 2380, 1050 Davie St., Vancouver BC V6B 3T5

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	Hg ppb
RESAMPLE 5740																																
R 5720	8	35	17	243	.2	61	10	50	2.66	37	5	ND	6	122	.6	11	2	42	.09	.054	27	8	.04	2536	.01	5	.64	.01	.14	1	8	320
R 5738	6	48	17	410	.2	84	20	411	4.20	102	5	ND	13	125	1.6	25	2	62	.29	.125	50	20	.10	3379	.01	6	.97	.01	.20	1	42	500
R 5739	7	40	22	286	.3	59	11	88	3.32	70	5	ND	7	136	.8	15	2	69	.16	.085	32	14	.06	2506	.01	3	.78	.01	.21	2	23	320
R 5741	8	35	22	261	.2	56	9	59	2.82	62	5	ND	6	97	.7	15	2	51	.09	.054	26	9	.04	2291	.01	7	.62	.01	.14	1	18	430
R 5742	9	23	18	145	.3	35	5	17	2.52	36	5	ND	6	63	.2	12	2	65	.08	.041	25	9	.03	1907	.01	8	.56	.01	.13	1	6	620

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	Hg ppb
R 5749	3	31	47	244	.3	40	16	777	3.89	476	6	ND	14	113	1.9	56	2	36	.04	.075	51	18	.05	1994	.01	7	.73	.01	.11	1	56	2300
R 5750	4	43	45	330	.5	51	17	765	5.98	927	8	ND	15	128	2.6	110	2	42	.03	.097	51	17	.03	2195	.01	7	.71	.01	.11	1	520	3400
R 5751	3	39	54	268	.4	51	22	1173	4.44	395	7	ND	18	113	1.9	106	2	43	.03	.070	52	26	.04	1806	.01	7	.69	.01	.11	1	19	3800
R 5752	3	87	64	131	2.5	30	6	192	2.27	617	6	ND	1	119	1.9	24671	5	34	.20	.047	31	9	.03	400	.01	8	.49	.01	.10	1	1760	4000
R 5753	2	95	47	248	2.1	25	9	345	4.04	2008	5	3	1	91	.7	24325	2	32	.10	.029	28	4	.02	126	.01	8	.51	.01	.12	1	2440	2500
R 5754	2	58	54	542	.5	59	18	552	4.60	1495	7	ND	11	132	.8	321	2	19	.09	.071	46	5	.03	1197	.01	5	.72	.01	.15	1	340	3300
R 5755	2	39	106	275	2.9	32	17	1405	4.66	2233	5	ND	10	116	3.4	7167	2	24	.14	.083	48	4	.03	576	.01	6	.73	.01	.20	1	1180	3000
R 5756	3	19	57	184	.9	20	8	391	4.80	1437	7	ND	10	96	.7	553	2	18	.07	.076	45	3	.03	1110	.01	7	.56	.01	.14	1	730	2000
R 5757	3	24	85	217	1.7	22	7	219	4.62	2566	5	ND	8	155	.6	607	2	29	.06	.073	37	6	.04	1884	.01	4	.60	.01	.13	1	1060	2900
R 5758	2	11	49	150	.5	15	9	1056	3.68	1624	5	ND	10	103	.3	179	2	26	.07	.051	37	8	.05	1354	.01	7	.57	.01	.13	1	420	2000
R 5759	2	12	48	147	.6	13	11	1177	4.29	2082	5	ND	11	108	.6	196	2	26	.09	.055	41	8	.05	1727	.01	11	.60	.01	.14	1	750	2100
R 5760	2	15	51	150	.7	17	10	682	4.35	1655	5	ND	11	104	.5	326	2	21	.08	.074	43	6	.05	1550	.01	4	.57	.01	.13	1	340	1800
R 5761	2	20	48	143	.8	16	10	1034	4.13	1537	5	ND	12	108	.5	584	2	19	.07	.075	47	5	.05	1949	.01	7	.60	.01	.15	1	330	2800
R 5762	3	20	34	236	.8	20	12	1376	4.17	1559	5	ND	11	82	1.0	379	2	21	.12	.076	45	4	.03	1817	.01	7	.48	.01	.14	2	710	2000
R 5763	4	26	34	207	.7	31	10	775	3.53	686	5	ND	7	95	.5	392	2	38	.09	.051	29	8	.03	1516	.01	9	.60	.01	.13	1	260	1700
R 5764	6	37	83	298	.4	50	11	138	3.96	214	5	ND	5	105	2.6	722	2	53	.04	.040	18	9	.02	1147	.01	3	.60	.01	.12	1	55	1300
R 5765	3	22	48	291	.5	81	31	1762	3.94	1009	6	ND	12	157	2.5	96	4	25	.04	.083	44	6	.03	1795	.01	5	.76	.01	.19	1	220	1700
R 5766	3	18	21	201	.4	44	18	526	3.68	1213	5	ND	10	59	2.2	122	2	18	.05	.085	47	4	.03	888	.01	6	.53	.01	.15	1	260	2600
R 5767	2	19	23	262	.8	90	20	1127	3.77	1577	5	ND	11	83	2.0	307	2	15	.06	.072	49	3	.03	1328	.01	9	.68	.01	.15	1	750	2900
R 5768	3	25	29	255	.7	83	21	1409	4.01	2373	5	2	11	91	2.4	545	2	18	.07	.043	44	4	.03	2287	.01	9	.75	.01	.14	1	1130	2300
R 5769	3	22	22	198	.5	48	15	1325	4.12	1229	5	ND	13	113	1.2	303	2	18	.09	.070	49	4	.04	2201	.01	6	.65	.01	.16	1	370	3000
R 5770	3	24	35	398	.4	81	24	1063	4.42	991	5	ND	11	75	2.4	202	2	23	.14	.085	46	7	.03	1528	.01	8	.72	.01	.16	1	58	4500
R 5771	3	27	36	381	.6	81	24	965	4.60	1171	5	ND	11	73	2.1	277	2	21	.17	.089	48	6	.04	1363	.01	6	.81	.01	.16	1	260	3500
R 5772	3	24	29	369	.8	79	24	1393	3.99	1659	5	ND	10	91	2.8	1287	2	20	.04	.057	46	6	.03	1797	.01	5	.86	.01	.14	1	560	4000
R 5773	2	25	35	343	.9	84	25	1521	3.88	1762	5	ND	10	90	2.5	3202	2	22	.07	.066	48	5	.03	1733	.01	9	.85	.01	.15	1	620	3800
STANDARD C/AU-R	18	57	41	133	7.2	68	29	1053	3.71	40	18	6	36	47	17.5	16	19	55	.48	.087	36	56	.88	174	.09	34	1.79	.06	.14	11	480	1600

CME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VAN. ..R B.C. V6A 1R6 PHONE(604)253-3158 FAX(60..)253-1716

Brewery Rocks

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9006-043 File # 90-1905 Page 1

P.O. Box 2380, 1050 Davie St., Vancouver BC V6B 3I5

DGK 90K-8

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	Hg ppb
R 5607	1	151	41	613	2.7	235	6	346	1.54	205	8	ND	5	59	12.0	25	2	961	2.50	.063	29	37	.76	408	.01	8	.60	.01	.15	1	50	210
R 5608	1	52	51	713	1.7	104	4	564	2.25	145	8	ND	3	187	18.7	20	2	475	11.92	.042	15	20	3.48	1118	.01	3	.42	.01	.05	1	17	230
R 5609	1	41	69	1585	2.1	154	5	495	1.45	132	6	ND	4	102	16.9	17	2	775	5.54	.049	19	35	2.17	403	.01	6	.72	.01	.05	1	21	210
R 5610	1	83	62	4369	3.0	216	9	564	1.46	76	5	ND	6	28	19.3	17	2	1173	1.42	.057	28	50	2.09	277	.01	3	1.26	.01	.10	1	31	420
R 5611	1	152	29	3719	5.5	224	7	560	1.65	125	5	ND	5	65	21.6	34	2	573	1.46	.058	30	40	.70	760	.01	2	.61	.01	.08	1	26	400
R 5612	1	36	25	1227	1.9	136	5	388	1.33	101	5	ND	4	128	19.4	12	2	566	7.18	.051	20	28	2.29	798	.01	10	.47	.01	.04	1	22	360
R 5613	1	136	22	3302	1.5	170	6	357	1.37	95	5	ND	4	75	23.0	17	2	521	3.91	.048	22	30	1.24	681	.01	7	.42	.01	.07	1	20	550
R 5614	1	168	23	2978	1.9	196	7	350	1.42	95	5	ND	4	62	33.0	8	2	434	3.00	.056	29	25	.61	609	.01	7	.44	.01	.09	1	23	650
R 5615	1	80	38	1641	1.4	140	6	316	1.36	94	5	ND	4	105	25.3	8	2	349	4.88	.057	22	23	.97	1068	.01	2	.40	.01	.08	1	16	480
R 5616	20	113	49	1312	1.6	315	9	162	1.81	230	13	ND	6	86	10.9	18	3	376	.10	.073	40	32	.05	1192	.01	7	.47	.01	.06	1	28	450
R 5617	4	82	22	450	1.1	238	7	488	1.80	198	5	ND	5	63	6.1	17	2	179	.93	.067	31	16	.07	754	.01	9	.42	.01	.08	1	19	480
R 5618	2	33	12	191	.6	91	5	522	1.09	81	5	ND	4	75	2.7	11	2	133	5.38	.045	18	21	1.74	376	.01	5	.54	.01	.05	1	14	200
R 5619	1	29	42	316	1.0	81	6	605	1.44	30	5	ND	4	67	4.1	4	2	193	5.64	.046	21	32	4.08	115	.01	3	2.27	.01	.02	1	16	120
R 5620	1	48	72	316	1.6	60	8	610	2.18	119	5	ND	7	40	5.5	12	2	164	.40	.079	28	45	1.80	375	.04	4	1.40	.01	.04	1	10	180
R 5621	1	37	119	504	2.0	47	8	805	2.57	120	5	ND	7	43	6.7	16	2	152	.68	.073	21	48	2.65	516	.14	2	2.05	.01	.04	1	14	150
R 5626	3	52	28	440	.8	81	10	1156	2.31	320	6	ND	6	67	3.1	12	2	111	.08	.069	22	28	.52	1071	.01	6	.82	.01	.11	1	26	1100
R 5627	2	66	43	805	1.5	83	21	1457	5.39	3853	18	ND	12	82	4.6	25	2	79	1.79	.074	39	48	.08	1519	.01	9	.53	.01	.07	2	2160	9600
R 5628	7	73	30	444	1.2	90	14	771	3.60	1630	24	ND	7	47	8.7	14	2	49	.14	.070	27	26	.06	1126	.01	13	.77	.01	.13	2	980	5200
STANDARD C/AU-R	18	62	43	134	7.3	68	29	1030	3.69	37	20	6	37	47	18.2	15	21	56	.49	.091	37	56	.87	175	.09	32	1.80	.06	.14	13	510	1300

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. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: JUN 20 1990 DATE REPORT MAILED: June 27/90 SIGNED BY. ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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	Hg ppb
R 5629	4	51	25	418	.5	60	9	208	3.65	313	14	ND	15	47	3.0	18	2	75	.16	.109	41	19	.13	860	.02	5	1.00	.01	.13	1	480	2500
R 5630	3	38	35	805	.3	75	14	588	3.92	279	19	ND	17	38	6.3	24	2	85	.19	.110	52	22	.11	549	.01	2	.82	.01	.07	1	49	1800
R 5631	4	28	37	612	.3	51	11	967	3.73	329	14	ND	14	95	4.7	28	2	51	.15	.108	56	19	.07	1126	.01	3	.96	.01	.09	1	21	2700
R 5632	4	22	27	262	.3	30	13	1248	4.45	255	7	ND	16	40	.8	22	2	46	.31	.138	56	13	.04	576	.01	2	.60	.01	.10	1	13	3900
R 5633	4	34	39	193	.3	32	13	1206	4.19	280	10	ND	15	42	.6	34	2	37	.36	.125	53	13	.21	659	.01	6	.92	.01	.14	1	19	4800
R 5634	4	22	22	154	.6	21	11	699	4.04	650	15	ND	15	47	.5	29	2	48	.30	.109	50	19	.22	602	.01	7	.91	.01	.12	1	330	4600
R 5635	4	36	37	250	.5	27	14	707	4.12	404	11	ND	14	55	1.5	39	5	38	.13	.076	47	15	.03	775	.01	4	.58	.01	.08	1	61	8700
R 5636	4	28	34	222	.6	30	11	883	4.12	675	15	ND	14	50	.6	52	4	24	.24	.087	54	8	.05	843	.01	7	.58	.01	.11	1	106	5600
R 5637	4	26	29	238	.2	30	15	954	3.08	355	9	ND	14	30	.7	38	2	43	.19	.108	47	18	.02	452	.01	2	.70	.01	.09	1	26	4400
R 5638	4	31	28	132	.3	28	15	743	3.39	420	11	ND	11	56	.4	51	4	29	.17	.100	46	13	.03	761	.01	6	.62	.01	.09	1	12	5200
R 5639	3	18	37	138	.3	20	12	750	4.08	115	7	ND	12	84	.5	17	2	42	.16	.109	50	9	.04	1176	.01	6	.72	.01	.10	1	15	3000
R 5640*	2	13	48	158	.4	17	12	1017	4.41	152	7	ND	14	55	.5	18	2	54	.25	.114	51	12	.05	791	.01	8	.72	.01	.10	1	8	3200
R 5641	2	22	63	235	.4	28	14	1000	4.01	128	7	ND	13	45	1.7	25	2	69	.30	.123	56	17	.04	681	.01	7	.79	.01	.10	1	13	2900
R 5642	2	27	93	291	.6	25	15	1278	4.84	261	8	ND	13	104	1.3	36	2	40	.18	.105	58	10	.05	1432	.01	2	.87	.01	.11	1	36	3600
R 5643	2	26	51	306	1.1	73	22	1458	4.22	2081	22	2	13	77	1.2	52	2	38	.19	.070	50	11	.04	910	.01	4	.66	.01	.10	1	2580	5200
R 5644	3	19	58	349	.4	35	17	1036	4.02	959	18	ND	18	36	1.4	75	2	65	.32	.114	58	18	.04	458	.01	7	.71	.01	.08	1	280	3700
R 5645	4	21	31	204	.4	24	13	1092	3.72	844	15	ND	17	53	1.5	69	2	59	.33	.106	56	19	.11	710	.02	3	.82	.01	.11	1	250	3800
R 5646	2	17	26	162	.4	18	12	1136	3.63	463	8	ND	16	33	.5	27	2	73	.52	.115	65	24	.23	806	.05	7	.97	.01	.19	1	380	1900
R 5647	3	17	26	106	.4	17	11	959	3.75	296	5	ND	17	50	.2	33	2	78	.97	.119	64	26	.17	776	.01	2	.92	.01	.09	1	17	1600
R 5648	2	14	32	130	.4	16	10	833	3.05	229	6	ND	17	38	.3	21	2	83	.54	.123	55	32	.49	840	.03	2	1.16	.01	.14	1	31	3100
R 5649	1	15	18	79	.3	11	7	651	3.35	66	5	ND	16	34	.2	10	2	92	.51	.118	52	40	1.46	285	.02	5	2.01	.02	.13	1	8	130
R 5650	1	12	27	60	.3	9	7	486	3.30	47	5	ND	16	28	.2	10	2	61	.42	.106	48	20	1.01	294	.01	11	1.49	.02	.12	2	9	80
R 5651	1	11	35	159	.3	8	7	543	3.27	140	5	ND	16	25	.7	23	2	61	.38	.104	51	19	.75	268	.01	10	1.38	.01	.13	1	5	1100
R 5652	1	8	38	204	.4	9	8	899	3.68	225	5	ND	15	47	.8	43	2	66	.57	.110	68	20	.97	1173	.02	2	2.01	.01	.17	1	13	430
R 5653	1	7	31	128	.3	7	6	703	3.39	62	5	ND	15	44	.3	12	2	70	.43	.098	39	20	1.24	544	.04	8	1.96	.03	.17	1	10	80
R 5654	1	9	105	208	.7	8	7	817	3.39	39	5	ND	15	43	.3	14	2	63	.44	.097	43	20	1.24	501	.05	7	1.85	.02	.12	1	9	90
R 5655	1	9	52	135	.4	8	9	1086	3.78	33	5	ND	15	44	.2	14	2	60	.45	.097	60	19	1.15	781	.01	7	1.95	.01	.12	1	9	120
R 5656	1	10	66	150	.4	9	7	802	3.55	12	5	ND	16	41	.2	5	2	71	.46	.104	47	25	1.36	387	.05	9	1.93	.03	.18	1	6	50
R 5657	1	9	43	142	.4	8	7	755	3.69	19	5	ND	16	39	.2	6	2	61	.39	.106	52	23	1.20	390	.01	5	2.07	.02	.17	1	13	40
R 5658	1	10	46	106	.4	9	7	695	3.43	26	5	ND	16	31	.2	7	2	50	.38	.101	55	17	.99	188	.01	7	1.65	.02	.16	1	14	40
R 5659	1	8	39	118	.4	7	7	590	3.32	32	5	ND	15	37	.2	14	2	51	.39	.100	51	17	.85	307	.01	2	1.59	.01	.13	1	10	80
R 5660	2	10	57	159	.5	9	9	737	3.40	70	5	ND	16	30	.2	24	2	30	.33	.112	57	8	.16	300	.01	5	.85	.01	.16	1	8	830
R 5661	2	15	59	179	.5	12	9	857	3.74	55	5	ND	17	59	.5	22	2	28	.35	.105	63	9	.21	467	.01	2	1.02	.01	.17	1	5	230
R 5662	2	22	47	138	.4	18	12	1053	3.69	56	5	ND	23	48	.3	27	2	30	.35	.117	73	15	.17	441	.01	2	.90	.01	.16	1	5	470
R 5663	3	20	47	126	.3	23	13	938	3.37	144	5	ND	24	85	.2	37	3	30	.27	.110	80	15	.16	705	.01	2	.84	.01	.15	1	4	330
R 5664	4	25	43	122	.6	29	14	1105	3.27	232	8	ND	24	98	.2	44	3	24	.24	.111	86	11	.04	854	.01	5	.50	.01	.13	1	19	370
STANDARD C/AU-R	18	57	37	133	7.3	67	30	1041	3.75	37	19	6	37	48	17.9	15	18	56	.49	.087	37	56	.88	174	.09	33	1.80	.06	.14	12	520	1500

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	Hg ppb
R 5665	5	25	26	111	.2	25	14	1142	3.50	145	5	ND	23	34	.5	35	2	27	.33	.122	80	15	.08	364	.01	2	.50	.01	.14	1	10	280
R 5666	5	30	23	142	.2	32	14	1021	3.77	140	5	ND	26	46	.5	31	2	28	.35	.133	86	15	.05	365	.01	2	.52	.01	.14	1	13	380
R 5667	5	33	23	243	.1	56	14	985	3.98	102	5	ND	27	43	1.8	18	5	33	.36	.138	82	16	.06	360	.01	3	.60	.01	.15	1	7	290
R 5668	6	38	17	283	.2	71	18	793	3.44	93	5	ND	17	70	2.2	16	2	47	.22	.108	60	14	.10	829	.01	2	.83	.01	.17	1	17	250
R 5669	5	22	22	155	.2	24	7	375	3.56	86	5	ND	10	72	.5	10	2	58	.23	.085	42	14	.33	979	.01	9	1.18	.01	.18	1	10	660
R 5670	7	24	35	147	.3	17	6	263	2.62	269	9	ND	8	131	1.0	10	2	57	.13	.081	36	9	.04	1810	.01	6	.66	.01	.17	1	39	3200
R 5671	11	25	17	144	.6	16	3	47	3.41	40	5	ND	5	122	.2	4	2	95	.15	.151	24	11	.03	1512	.01	7	.64	.01	.17	1	3	180
R 5672	11	34	18	208	.5	29	4	42	2.90	33	5	ND	6	110	.2	8	2	77	.08	.093	31	12	.04	2028	.01	6	.68	.01	.18	1	8	230
R 5673	7	39	32	171	.3	30	7	236	3.43	45	7	ND	14	105	.5	8	2	65	.09	.088	50	13	.04	1992	.01	6	.69	.01	.17	1	3	650
R 5674	10	44	24	251	.2	41	11	427	3.57	67	7	ND	15	74	.5	10	2	87	.11	.085	54	15	.04	1336	.01	4	.66	.01	.14	1	7	850
R 5675	6	26	22	189	.1	36	9	365	2.89	233	5	ND	10	52	.7	11	2	38	.15	.079	40	10	.05	1734	.01	2	.55	.01	.14	1	15	860
R 5676	7	55	46	331	.4	44	14	650	3.02	90	5	ND	10	47	2.6	14	4	41	.20	.099	40	22	.03	2743	.01	4	.69	.01	.16	1	6	1900
R 5677	15	61	17	281	.4	48	6	83	6.08	104	9	ND	7	106	.9	8	2	109	.04	.139	28	12	.03	890	.01	5	.72	.01	.16	1	3	170
R 5678	11	41	48	426	.3	62	11	551	3.23	70	6	ND	8	46	2.2	7	2	52	.03	.038	27	16	.02	1122	.01	5	.55	.01	.09	1	2	2900
R 5679	17	53	56	382	.5	42	7	184	3.12	216	6	ND	6	36	1.1	17	2	40	.07	.035	18	16	.03	1065	.01	2	.60	.01	.11	1	4	1800
R 5680	22	72	36	111	1.3	25	4	42	1.21	138	9	ND	3	35	1.0	15	2	106	.04	.032	16	13	.03	949	.01	6	.60	.01	.15	1	84	1700
R 5681	6	33	24	51	1.5	12	2	39	.60	39	8	ND	1	103	1.0	7	2	211	.30	.173	7	20	.03	1049	.01	21	.44	.01	.13	1	27	1500
R 5682	11	37	13	10	.8	7	1	20	.52	26	7	ND	1	36	.4	5	2	168	.05	.108	6	18	.02	623	.01	3	.30	.01	.10	1	26	2300
R 5683	7	35	44	46	1.3	12	2	71	.74	88	6	ND	1	176	.7	14	2	248	1.31	.620	12	31	.04	1236	.01	25	.68	.01	.19	1	37	2000
R 5684	6	79	23	136	1.9	41	3	320	1.19	107	5	ND	2	148	2.4	33	2	101	.62	.296	11	21	.02	1352	.01	5	.45	.01	.11	1	32	1800
R 5685	6	48	26	195	1.9	47	6	203	1.63	241	10	ND	7	81	3.1	26	2	62	.21	.108	24	15	.02	1553	.01	3	.53	.01	.09	1	118	2500
R 5686	5	34	26	334	1.4	87	11	548	3.68	480	12	ND	16	44	2.4	134	2	58	.30	.145	54	17	.10	563	.01	5	.83	.01	.13	1	320	2400
R 5687	3	23	38	191	.2	36	11	949	3.64	286	11	ND	13	64	1.2	50	2	57	.05	.050	28	18	.03	848	.01	2	.64	.01	.06	1	47	5400
R 5688	2	24	25	221	.3	37	10	742	3.49	218	5	ND	17	54	1.0	513	2	64	.32	.111	44	26	.47	782	.01	5	1.29	.01	.09	1	88	2500
R 5689	2	18	20	202	.3	28	9	745	3.16	186	5	ND	17	48	.8	38	2	59	.53	.116	47	23	.40	529	.01	4	1.09	.01	.11	1	95	1300
R 5690	1	16	16	181	.1	25	9	618	3.21	119	5	ND	18	34	1.0	20	2	67	.49	.127	51	33	1.01	303	.01	2	1.56	.01	.13	1	33	620
R 5691	4	18	22	285	.4	35	10	925	3.37	85	6	ND	15	52	2.2	11	2	82	.38	.122	43	29	.51	534	.01	8	1.20	.01	.11	1	20	1600
R 5692	4	41	130	546	3.0	52	14	1077	4.09	262	10	ND	23	101	5.4	48	2	81	.32	.157	58	33	.08	997	.01	2	.74	.01	.12	1	44	4900
R 5693	3	37	109	622	1.0	56	13	987	3.63	469	11	ND	23	71	5.2	49	2	50	.52	.110	55	34	.31	806	.05	4	.92	.01	.23	1	84	2300
R 5694	3	35	105	607	1.0	67	14	1458	3.59	143	5	ND	24	34	3.6	26	2	44	.59	.121	57	32	.24	440	.03	2	.76	.01	.21	1	36	1200
R 5695	2	35	43	298	.4	64	14	906	3.73	246	5	ND	23	67	2.5	22	2	49	.81	.105	53	37	.40	536	.03	2	1.05	.01	.19	1	29	2500
R 5696	3	33	37	463	.4	63	16	1166	3.58	228	5	ND	24	43	3.5	27	2	46	.36	.138	55	25	.10	449	.01	2	.68	.01	.14	1	21	2000
R 5697	2	26	34	308	.7	39	14	1887	3.29	758	11	ND	20	111	1.8	16	3	46	.94	.081	46	28	.26	1110	.01	2	.83	.01	.11	1	1170	2200
R 5698	2	27	45	207	.7	32	12	1518	3.14	880	5	ND	17	96	1.4	18	2	39	1.07	.044	35	21	.07	833	.01	2	.54	.01	.08	1	730	5600
R 5699	3	26	37	159	1.6	31	9	1953	2.75	1502	21	ND	9	95	2.6	24	2	58	.58	.051	31	12	.11	937	.01	2	.46	.01	.08	1	1340	2500
R 5700	5	21	43	165	1.0	27	7	918	1.72	390	5	ND	7	312	2.0	17	2	80	.69	.374	23	24	.08	3917	.01	9	.78	.01	.10	1	330	920
STANDARD C/AU-R	18	57	38	134	7.3	67	29	1028	3.84	38	18	6	36	47	17.8	16	19	56	.48	.090	36	58	.86	174	.09	32	1.80	.06	.14	11	530	1200

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	Hg ppb
R 5701	2	15	38	364	.6	14	9	1362	3.42	1565	21	ND	14	68	1.3	37	2	23	.38	.090	44	7	.08	860	.01	10	.78	.01	.18	1	490	2000
R 5702	2	15	66	193	.8	16	10	1246	3.85	1236	22	ND	12	60	.8	58	2	20	.23	.097	40	5	.07	841	.01	5	.65	.01	.16	1	280	2700
R 5703	2	10	31	138	.4	12	8	827	3.44	1935	17	ND	11	104	.5	41	2	16	1.20	.077	25	7	.18	892	.01	9	.77	.01	.19	1	210	2600
R 5704	1	11	56	134	.3	12	8	673	3.21	2174	16	ND	12	83	.5	45	2	14	.78	.073	30	4	.08	813	.01	2	.60	.01	.16	1	230	3200
R 5705	2	10	38	153	.7	14	9	867	3.28	1602	17	ND	11	91	.4	326	2	21	1.07	.070	34	5	.09	947	.01	3	.60	.01	.15	1	830	4800
R 5706	2	17	31	115	1.0	13	8	990	3.41	1940	18	ND	9	75	.3	231	4	27	.90	.063	31	6	.07	839	.01	7	.62	.01	.16	1	770	3200
R 5707	2	27	34	129	.4	12	8	606	2.79	694	14	ND	7	123	.5	30	2	19	.34	.061	34	6	.05	1302	.01	5	.69	.01	.17	1	211	2300
R 5708	2	13	32	161	.2	18	12	1144	4.09	609	15	ND	10	120	.4	40	2	22	.09	.061	39	8	.06	1357	.01	3	.92	.01	.19	1	47	5000
R 5709	2	7	36	85	.6	12	6	390	2.05	1659	23	ND	9	128	.5	39	2	17	.09	.051	34	4	.03	1334	.01	3	.59	.01	.15	1	550	5200
R 5710	2	17	41	169	.8	22	10	986	3.10	1593	24	ND	11	107	1.1	57	2	23	.08	.053	35	5	.03	1357	.01	4	.66	.01	.14	1	580	3500
R 5711	5	19	43	151	.7	26	8	583	2.52	1141	19	ND	8	125	.5	469	2	40	.09	.062	29	6	.04	1893	.01	7	.62	.01	.13	1	420	2600
R 5712	2	12	40	95	1.1	8	5	196	1.96	1043	18	ND	7	137	.2	1977	2	26	.08	.062	34	4	.02	1604	.01	3	.56	.01	.11	1	880	2400
R 5713	2	9	70	109	.9	10	6	376	2.64	1014	21	ND	7	92	.2	196	4	21	.05	.040	27	2	.02	1283	.01	3	.48	.01	.10	1	690	2800
R 5714	3	27	45	227	.7	27	12	1264	3.89	2435	25	ND	8	104	1.3	557	2	24	.10	.052	32	6	.04	2228	.01	6	.71	.01	.15	1	650	3500
R 5715	3	20	62	151	1.0	24	10	1097	3.92	2264	19	ND	9	105	.5	2717	2	28	.12	.056	30	7	.04	1798	.01	4	.61	.01	.13	1	1130	2200
R 5716	3	11	37	194	.5	21	10	1194	3.79	1137	21	ND	10	77	.4	117	2	26	.66	.036	33	9	.06	1956	.01	7	.80	.01	.17	1	520	2000

BCTR90K-9

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	Hg ppb
R 137001	7	106	12	29	3.3	16	3	12	1.54	172	6	ND	3	368	2.0	10	2	1800	.32	.407	16	118	.07	2451	.01	26	.98	.01	.20	1	38	20000
R 137002	2	23	49	69	.4	18	3	17	.90	227	5	ND	9	249	2.1	22	2	196	.06	.116	32	14	.03	2266	.01	9	.69	.01	.12	1	620	4300
R 137003	4	36	34	250	1.2	37	9	292	3.14	2215	5	5	13	194	7.4	42	2	88	.06	.102	36	22	.01	1785	.01	8	.56	.01	.08	1	5570	5800
R 137004	3	22	31	238	1.4	23	6	166	2.67	1274	5	7	13	115	2.6	24	2	45	.06	.059	33	15	.01	954	.01	8	.44	.01	.08	1	6230	5600
R 137005	6	24	37	293	.8	31	11	881	4.95	983	5	ND	16	68	1.3	23	2	47	.03	.077	45	20	.01	1121	.01	12	.50	.01	.06	1	610	4100
R 137006	3	23	37	232	.8	26	11	1437	4.50	1382	5	ND	16	76	.2	18	2	38	.04	.062	44	17	.02	1437	.01	10	.58	.01	.07	1	980	3500
R 137007	4	22	42	393	.1	29	13	1134	4.77	383	5	ND	14	75	.2	12	2	76	.02	.060	28	32	.02	1030	.01	9	.61	.01	.03	1	101	4300
R 137008	4	19	39	305	.1	26	11	912	3.45	287	5	ND	19	80	.2	13	2	74	.08	.098	46	32	.02	1321	.01	2	.75	.01	.02	1	61	3200
R 137009	5	18	38	259	.1	28	13	1284	4.53	983	5	ND	12	66	.2	368	3	63	.04	.048	28	25	.03	1206	.01	5	.59	.01	.05	1	400	3600
R 137010	5	18	32	256	.1	26	13	1263	4.38	851	5	ND	14	68	.2	93	2	70	.03	.043	24	29	.02	2327	.01	6	.57	.01	.03	1	103	3800
STANDARD C/AU-R	18	58	40	132	7.2	68	30	1022	4.06	36	18	7	37	52	18.0	15	22	55	.53	.096	37	59	.93	179	.07	39	1.88	.06	.14	11	470	1300

BETR 90K-10

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	Hg ppb
R 136501	5	13	19	30	.3	11	2	79	.70	39	5	ND	1	194	.5	8	3	110	.05	.020	4	12	.05	1260	.02	5	.20	.01	.02	1	16	1800
R 136502	10	27	42	65	1.0	19	4	93	1.26	83	5	ND	2	94	1.3	15	2	341	.07	.033	6	29	.06	1385	.06	2	.33	.01	.03	1	9	6600
R 136503	9	35	32	48	1.2	19	2	150	1.23	81	5	ND	2	153	1.3	14	2	428	.05	.043	7	36	.05	799	.04	4	.31	.01	.04	2	8	5700
R 136504	18	89	29	187	2.1	34	3	50	2.43	168	5	ND	3	157	2.6	25	2	792	.05	.074	11	61	.03	1207	.02	9	.38	.01	.06	1	1	11000
R 136505	15	64	23	73	1.5	23	2	45	1.18	66	5	ND	3	76	1.7	11	2	512	.04	.032	13	42	.02	951	.05	8	.32	.01	.08	1	15	7800
R 136506	24	78	21	225	.8	37	3	81	1.60	70	5	ND	3	136	3.5	28	2	625	.04	.049	13	45	.03	2213	.03	8	.47	.01	.06	1	15	5400
R 136507	10	53	20	60	1.6	13	2	35	.76	30	5	ND	2	227	2.6	8	2	350	.11	.027	15	34	.02	1429	.01	12	.44	.01	.11	1	1	13000
R 136508	7	63	16	53	2.2	14	2	35	.94	68	6	ND	2	401	2.7	9	3	322	.20	.177	12	42	.02	1408	.01	13	.54	.01	.11	1	38	9600
R 136509	8	57	23	137	2.4	22	4	57	1.34	213	8	ND	4	446	2.6	22	2	310	.27	.268	19	44	.03	2095	.01	12	.73	.01	.10	1	103	5900
R 136510	3	19	29	213	1.2	19	6	90	1.44	518	5	3	11	179	2.5	151	2	163	.10	.082	30	18	.02	1205	.01	4	.53	.01	.08	1	3720	4200
R 136511	5	21	28	820	.9	60	12	258	4.04	1159	5	3	13	72	2.0	1397	2	76	.07	.080	30	20	.01	829	.01	3	.45	.01	.07	2	2140	4600
R 136512	5	19	38	573	.5	46	17	790	4.82	1776	5	3	12	51	.5	1083	2	60	.09	.077	36	23	.05	2061	.01	2	.71	.01	.06	1	2670	4000
R 136513	2	22	30	304	.1	30	16	936	3.84	977	5	ND	16	43	.2	496	2	62	.22	.100	54	24	.06	1315	.01	5	.65	.01	.05	2	1030	3000
R 136514	2	18	24	205	.1	31	15	864	4.02	682	5	ND	14	43	.2	54	3	60	.13	.078	34	24	.07	1987	.01	4	.74	.01	.06	1	450	2500
R 136515	3	19	38	234	.1	27	16	817	4.52	728	5	ND	12	52	.2	128	2	65	.03	.042	28	26	.05	2050	.01	2	.71	.01	.04	2	410	3800
R 136516	3	22	35	202	.1	31	14	950	4.30	754	5	ND	13	55	.2	294	3	68	.06	.045	30	28	.11	2061	.01	5	.90	.01	.05	1	340	4200
R 136517	4	20	38	190	.1	29	15	1183	4.72	1251	5	ND	14	49	.2	167	2	64	.06	.040	31	25	.05	1716	.01	2	.62	.01	.04	1	850	4600
R 136518	2	21	32	194	.1	27	16	1008	4.08	964	5	ND	11	48	.2	976	2	57	.03	.026	25	25	.03	1105	.01	3	.58	.01	.04	2	630	4800
R 136519	4	24	36	214	.1	30	15	864	4.27	836	5	ND	12	54	.3	165	3	56	.06	.050	32	22	.04	1768	.01	4	.64	.01	.05	1	550	4300
R 136520	5	25	30	243	.1	34	15	875	4.01	864	5	ND	14	83	.2	29	3	68	.10	.079	38	24	.03	2412	.01	4	.64	.01	.06	2	230	3700
R 136521	4	20	35	154	.1	27	16	1055	4.31	1204	5	ND	14	45	.2	170	2	57	.05	.034	38	22	.02	1193	.01	6	.54	.01	.04	1	1240	3300
R 136522	4	25	38	195	.1	31	16	713	4.21	1079	5	ND	17	49	.2	99	2	54	.11	.066	42	23	.02	873	.01	4	.62	.01	.06	1	660	4800
R 136523	2	20	26	125	.1	22	14	656	3.63	416	5	ND	18	50	.2	50	2	77	.44	.125	46	28	.33	2577	.04	5	1.45	.01	.16	2	270	1600
R 136524	1	20	31	117	.1	14	12	581	3.02	138	5	ND	20	47	.2	32	3	71	.57	.126	63	32	.27	2139	.05	2	1.10	.01	.13	3	63	2000
R 136525	1	16	30	159	.1	22	13	685	4.06	377	5	ND	19	45	.2	74	2	81	.48	.124	69	32	.61	1843	.09	3	1.87	.02	.28	1	670	1600
R 136526	1	19	50	160	.1	23	13	704	3.74	91	5	ND	18	60	.4	32	2	88	.63	.122	50	39	1.08	1801	.16	2	2.04	.02	.25	1	81	500
R 136527	1	19	29	118	.1	19	12	591	3.66	79	5	ND	18	77	.7	19	2	93	.54	.116	45	45	1.28	2444	.18	2	2.21	.04	.35	2	67	320
R 136528	2	18	31	129	.1	21	12	685	3.58	89	5	ND	18	37	.2	22	4	78	.45	.125	47	32	.39	1572	.06	2	1.13	.01	.13	1	58	1200
R 136529	1	15	69	214	.1	18	12	685	3.43	581	5	ND	19	41	.7	31	3	60	.38	.128	51	24	.19	2090	.02	3	.95	.01	.14	2	380	1600
R 136530	1	17	18	110	.1	15	12	613	3.62	83	5	ND	19	56	.2	14	2	87	.56	.121	53	39	.95	1708	.13	2	2.19	.02	.34	1	33	390
R 136531	2	16	21	145	.1	21	13	853	4.05	843	5	3	19	46	.2	45	2	68	.43	.128	71	27	.37	1626	.03	2	1.23	.01	.18	1	2770	1500
R 136532	2	15	30	157	.1	28	13	857	4.02	317	5	ND	20	32	.2	23	2	61	.32	.127	59	24	.09	692	.01	5	.72	.01	.10	2	310	1400
R 136533	2	19	32	199	.1	28	14	1053	4.20	695	5	2	18	82	.2	30	3	68	.24	.083	53	27	.20	1354	.02	2	1.00	.01	.12	1	1910	2000
R 136534	1	18	30	146	.1	16	13	788	4.13	244	5	ND	18	63	.2	15	2	86	.48	.121	50	36	.76	1794	.16	2	1.81	.03	.39	1	490	1050
R 136535	3	18	35	175	.1	21	12	935	3.77	80	5	ND	16	75	.2	21	2	75	.30	.094	40	32	.31	1634	.06	2	1.17	.01	.15	1	59	1800
R 136536	3	34	49	182	3.2	24	13	955	4.31	432	5	ND	14	64	.2	939	5	61	.04	.037	33	25	.02	938	.01	2	.53	.01	.04	1	450	3900
STANDARD C/AU-R	18	58	42	132	7.2	69	31	1029	4.04	40	15	7	37	53	17.6	15	20	56	.52	.095	37	60	.93	180	.07	39	1.95	.06	.14	12	540	1500

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	Hg ppb
R 136537	3	25	45	171	.9	24	11	950	4.96	295	5	ND	12	62	.2	159	3	57	.03	.031	25	25	.02	756	.01	7	.45	.01	.03	1	200	3200
R 136538	3	18	29	177	.6	29	12	1048	4.20	559	5	ND	12	66	.2	80	5	58	.05	.034	29	24	.03	828	.01	8	.53	.01	.04	2	560	4400
R 136539	5	20	32	209	.1	29	12	1106	5.10	291	5	ND	14	77	.2	100	2	76	.03	.056	30	31	.03	939	.01	7	.55	.01	.03	2	66	2800
R 136540	1	19	32	147	.1	20	11	630	3.98	86	5	ND	19	63	.2	23	2	86	.63	.130	61	37	.68	1831	.12	6	1.74	.02	.12	1	62	1500
R 136541	2	21	30	130	.1	19	11	710	3.78	90	5	ND	19	55	.2	13	2	85	.53	.123	68	34	.53	2014	.09	5	1.58	.01	.16	1	210	1300
R 136542	2	19	29	150	.1	22	10	597	3.61	113	5	ND	18	46	.2	27	2	77	.40	.127	67	33	.42	1909	.08	5	1.34	.01	.24	1	122	2100
R 136543	1	18	18	106	.1	14	11	643	3.76	123	5	ND	16	49	.2	12	2	86	.45	.122	42	38	.91	1726	.18	3	1.71	.03	.50	2	52	430
R 136544	3	18	27	132	.1	20	9	562	3.95	451	5	ND	17	69	.2	24	2	63	.14	.074	40	26	.12	829	.02	6	.65	.01	.09	2	450	2100
R 136545	4	18	24	151	.1	21	10	1155	4.41	159	6	ND	19	65	.2	26	2	71	.09	.072	39	28	.04	1021	.01	5	.58	.01	.03	2	105	2600
R 136546	5	15	41	164	.1	25	10	1141	4.48	231	5	ND	18	67	.2	31	2	68	.05	.057	32	29	.02	903	.01	9	.55	.01	.03	1	200	2400
R 136547	3	22	34	205	.1	28	12	1167	4.28	242	7	ND	20	33	.2	35	2	78	.28	.111	64	33	.13	843	.02	3	.75	.01	.06	2	300	1700
R 136548	2	17	24	121	.3	16	9	873	3.40	229	5	8	17	51	.2	79	2	58	.13	.077	44	22	.06	1137	.01	6	.67	.01	.05	2	7310	2000
R 136549	6	43	45	259	.9	18	4	78	2.29	627	8	ND	12	220	8.9	34	4	159	.35	.302	32	12	.06	1653	.01	5	.70	.01	.11	1	520	2900

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	Hg ppb
R 136550	1	83	38	894	1.0	111	12	521	3.01	153	5	ND	8	41	17.1	15	2	138	.25	.064	19	61	2.16	724	.02	10	1.88	.01	.14	1	12	360
R 136551	7	85	39	698	1.5	126	13	303	2.71	152	5	ND	9	47	30.1	17	2	133	.24	.063	16	58	1.82	1211	.02	13	1.68	.01	.19	1	8	900
R 136552	3	112	40	856	1.0	147	14	655	2.69	255	5	ND	10	32	10.5	14	2	114	.07	.075	30	39	.64	327	.01	5	.90	.01	.05	1	7	1800
R 136553	8	97	20	805	.9	190	15	439	2.11	143	5	ND	8	50	12.1	8	2	181	.27	.068	26	38	1.13	759	.01	5	1.09	.01	.11	1	15	950
R 136554	9	151	37	518	1.5	129	12	702	2.54	85	5	ND	10	63	9.1	4	2	135	.40	.080	31	43	.62	632	.01	2	.82	.01	.09	1	4	540
R 136555	7	131	75	1264	1.4	203	12	965	2.95	227	5	ND	9	82	19.8	14	2	119	.09	.073	31	32	.09	1125	.01	2	.64	.01	.06	2	10	920
R 136556	5	144	99	510	2.2	80	11	453	1.93	160	5	ND	6	21	10.5	10	2	47	.05	.030	16	13	.04	392	.01	2	.31	.01	.07	1	10	1100
R 136557	1	71	36	551	1.0	98	12	518	1.89	114	5	ND	12	24	11.1	8	2	54	.14	.061	31	32	.14	466	.01	2	.73	.01	.09	1	8	1200
R 136558	2	137	33	890	1.9	141	9	675	2.78	288	5	ND	9	27	16.7	17	2	87	.13	.059	26	40	.60	704	.01	2	.98	.01	.08	1	8	2600
R 136559	2	99	27	506	1.5	89	8	264	1.86	81	5	ND	7	29	5.6	7	2	52	.13	.041	19	39	1.39	663	.01	5	1.20	.01	.13	1	8	400
R 136560	2	49	10	260	.6	64	7	185	1.78	47	5	ND	8	30	3.7	4	2	51	.30	.037	22	39	1.10	449	.01	6	1.10	.01	.16	1	8	110
R 136561	2	96	45	669	1.1	136	11	713	2.43	128	5	ND	11	89	8.2	4	2	77	.30	.087	36	43	.56	1453	.01	6	.98	.01	.07	1	4	680
R 136562	3	71	40	1078	1.3	295	12	921	2.02	291	5	ND	10	41	11.7	8	2	181	.20	.071	33	30	.20	589	.01	2	.69	.01	.06	1	27	780
R 136563	3	68	69	1125	1.6	257	10	1066	2.29	322	5	ND	9	46	14.9	7	2	209	.18	.077	39	35	.13	672	.01	2	.71	.01	.03	1	22	750
R 136564	9	73	32	515	1.5	160	10	536	1.62	169	5	ND	8	50	8.2	4	2	138	.13	.055	28	24	.16	593	.01	2	.46	.01	.09	2	9	200
R 136565	6	65	6	395	.7	124	9	260	1.90	118	5	ND	8	120	5.9	8	2	137	.29	.131	28	28	.34	546	.01	2	.60	.01	.11	1	7	140
R 136566	3	60	164	851	2.0	132	10	520	2.62	91	5	ND	7	46	6.5	11	2	167	.24	.094	25	55	2.83	273	.01	10	1.89	.01	.06	1	12	170
R 136567	4	81	41	1161	1.5	170	12	685	3.52	167	5	ND	12	42	12.1	22	2	216	.40	.113	41	58	2.45	669	.01	8	2.47	.01	.06	2	8	330
R 136568	1	43	22	203	1.0	43	8	283	2.57	63	5	ND	10	62	4.3	12	2	94	.47	.089	32	54	1.84	3413	.04	5	2.10	.01	.31	2	7	60
R 136569	1	107	80	671	1.9	88	12	427	2.99	60	5	ND	8	48	6.5	12	2	146	.33	.070	30	62	5.00	595	.01	9	2.97	.01	.06	1	6	70
R 136570	1	65	185	865	2.4	92	11	530	2.93	72	5	ND	7	36	8.1	11	2	188	.18	.059	27	61	4.82	524	.01	9	2.83	.01	.04	1	6	160
R 136571	3	57	30	1019	1.1	167	8	316	2.99	118	5	ND	7	46	9.4	12	2	142	.21	.078	28	57	3.16	432	.01	9	2.11	.01	.06	2	8	130
R 136572	1	45	308	1224	3.6	148	10	606	2.68	85	5	ND	7	53	8.0	10	2	106	.25	.076	24	55	3.83	556	.01	10	2.38	.01	.04	1	6	200
R 136573	2	81	73	1474	1.5	225	14	470	2.38	134	5	ND	9	101	10.2	7	2	140	.38	.157	32	59	.79	682	.01	2	1.24	.01	.04	1	10	230
R 136574	6	81	61	1926	1.0	309	10	275	3.64	168	6	ND	8	121	15.2	11	2	131	.78	.255	23	71	1.25	3597	.13	10	3.32	.01	.19	3	3	160

BCTR90K-11

BCTP90K-12

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	Hg ppb
R 136575	21	55	20	361	.2	100	21	421	4.35	58	5	ND	5	361	2.6	10	2	57	5.78	.044	25	34	.13	12277	.01	11	1.84	.03	.47	2	2	920
R 136576	12	57	26	208	.1	104	19	281	3.80	49	5	ND	9	83	2.1	9	2	18	.34	.043	39	12	.10	2398	.01	7	.80	.01	.22	1	6	2200
R 136577	12	56	32	168	.1	101	19	224	4.20	37	5	ND	10	66	1.4	10	2	18	.17	.040	40	14	.09	3021	.01	8	.79	.01	.22	1	3	1700
R 136578	8	53	18	150	.3	82	17	287	3.29	70	5	ND	8	224	1.0	13	2	16	4.17	.044	34	14	.09	3241	.01	7	.71	.01	.22	1	14	3200
R 136579	7	51	26	186	.5	72	15	378	3.43	675	5	ND	9	173	1.4	80	2	32	3.21	.068	32	15	.08	2919	.01	3	.69	.01	.19	2	310	3500
R 136580	2	20	34	182	.4	36	13	1027	4.23	1675	10	ND	17	77	1.4	152	2	67	.15	.071	41	25	.05	1175	.01	2	.58	.01	.04	1	680	4400
R 136581	8	43	24	182	.6	34	7	309	2.85	900	5	ND	10	202	3.3	50	2	102	.13	.091	34	23	.05	2614	.01	3	.78	.01	.12	1	29	3300
R 136582	7	40	33	191	.2	39	4	95	2.48	283	5	ND	9	108	1.6	28	2	58	.11	.058	34	10	.04	1482	.01	5	.55	.01	.15	1	6	1200
R 136583	3	39	40	192	.1	50	16	648	4.29	226	5	ND	25	63	1.3	21	2	24	.46	.122	77	17	.05	926	.01	2	.52	.01	.14	1	17	2100
R 136584	3	42	85	245	.2	51	14	808	4.14	214	5	ND	24	49	2.4	17	2	26	.23	.122	77	16	.04	804	.01	2	.54	.01	.14	1	7	1800
R 136585	2	41	33	149	.1	42	14	631	4.11	741	5	ND	22	57	1.9	27	2	40	.30	.126	69	39	.35	1021	.03	2	.97	.01	.18	1	92	1300
STANDARD C/AU-R	18	62	40	134	7.7	73	32	1032	3.96	43	20	8	37	52	18.6	16	21	57	.48	.090	37	60	.88	179	.07	37	1.88	.06	.14	13	490	1300

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	Hg ppb
R 136586	3	43	42	263	.1	59	20	705	4.28	123	5	ND	26	49	2.7	27	6	66	.35	.155	72	57	.27	877	.05	8	.96	.01	.26	1	11	1500
R 136587	3	42	40	212	.1	59	23	1138	4.73	142	5	ND	26	86	3.2	15	4	74	.22	.133	63	56	.09	1599	.01	3	.75	.01	.09	1	25	2500
R 136588	2	41	62	254	.5	52	20	1709	5.41	2163	13	5	24	72	3.6	28	2	50	.13	.078	57	36	.05	1494	.01	5	.55	.01	.07	1	3820	6400
R 136589	2	40	46	273	.1	66	23	1427	5.26	666	5	ND	24	77	3.3	28	2	66	.16	.106	53	49	.19	1140	.02	5	.86	.01	.12	1	104	3200
R 136590	2	41	37	237	.2	58	19	806	4.40	287	5	ND	24	39	3.9	18	4	64	.35	.136	58	60	.54	864	.06	7	1.16	.01	.25	1	41	1200
R 136591	3	47	45	270	.1	72	26	1231	5.04	193	5	ND	25	44	3.2	31	3	68	.22	.139	60	45	.07	620	.01	4	.70	.01	.09	1	29	3100
R 136592	2	36	52	237	.1	64	22	1325	4.89	195	5	ND	24	87	2.9	158	2	69	.27	.117	55	65	.40	1628	.04	8	1.06	.01	.19	1	63	2500
R 136593	1	43	35	280	.1	70	25	1011	4.73	132	5	ND	22	39	3.5	31	4	66	.32	.136	54	69	.74	1347	.09	7	1.56	.01	.31	1	22	540
R 136594	6	42	36	157	.2	51	13	593	2.71	99	5	ND	15	106	1.9	32	3	57	.16	.089	53	25	.10	1085	.01	8	.65	.01	.10	1	10	730

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9009-017 File # 90-4059 Page 1

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3I5

Ba. 10

BCTR 90L-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	Hg ppb
R 140511	2	18	31	146	.2	35	14	795	3.92	269	5	ND	13	93	.8	265	2	47	1.53	.089	53	16	.21	1764	.01	5	1.00	.01	.15	1	126	500
R 140512	2	25	67	817	.6	22	13	1160	3.32	1227	5	ND	15	94	2.3	1206	2	46	.04	.037	27	16	.02	1412	.01	5	.92	.01	.05	1	880	6000
R 140513	1	51	211	893	5.6	17	12	2113	4.14	439	5	ND	1	93	7.7	19820	2	45	.16	.021	20	14	.02	151	.01	7	.65	.01	.05	1	720	7700
R 140514	2	39	200	568	1.5	15	9	1733	2.90	846	5	ND	12	131	7.2	385	3	59	.04	.038	28	14	.02	718	.01	3	.85	.01	.06	1	950	4500
R 140515	2	10	50	101	.7	4	3	130	1.72	1058	5	ND	10	125	.2	469	3	34	.04	.033	30	5	.01	622	.01	5	.52	.01	.11	1	590	3600
R 140516	1	9	41	313	.5	12	7	1635	3.65	1372	5	ND	13	168	2.5	81	4	16	.06	.051	35	2	.02	765	.01	6	.43	.01	.10	1	280	13000
R 140517	2	12	54	505	1.0	20	16	3350	3.95	2155	5	ND	14	90	5.9	99	4	11	.05	.049	41	1	.02	735	.01	7	.47	.01	.12	1	850	9200
R 140518	1	13	80	906	1.4	14	9	1312	4.09	843	5	ND	15	103	4.6	106	10	8	.05	.071	43	1	.02	537	.01	9	.44	.01	.11	1	310	5900
R 140519	2	5	81	295	1.3	5	2	93	1.58	523	5	ND	13	188	.4	336	6	7	.05	.042	39	1	.02	518	.01	9	.47	.01	.15	1	480	3200
R 140520	1	115	25	481	19.8	8	5	300	1.97	24	8	ND	1	130	21.9	30221	13	7	.22	.011	5	1	.01	15	.01	7	.32	.01	.10	1	820	6500
R 140521	2	14	55	548	1.3	18	10	972	4.15	1709	5	ND	15	96	2.9	843	11	13	.21	.059	41	1	.03	528	.01	6	.43	.01	.11	1	1080	6000
R 140522	1	41	202	447	4.5	17	10	741	4.45	2074	5	ND	10	69	6.2	10081	4	16	.12	.044	26	1	.02	496	.01	7	.36	.01	.10	1	1350	9500
R 140523	2	15	70	246	1.7	26	11	870	4.16	1947	5	ND	13	82	.8	4459	4	14	.32	.091	34	3	.03	570	.01	7	.43	.01	.14	1	1450	6400
R 140524	2	15	64	305	.5	31	14	490	3.59	1169	5	ND	11	73	2.2	133	7	11	.19	.094	32	1	.03	958	.01	7	.46	.01	.15	1	280	1900
R 140525	6	58	64	241	.4	50	9	144	2.79	195	5	ND	9	215	.9	50	2	38	.10	.069	31	6	.03	736	.01	5	.45	.01	.15	1	12	1600
R 140526	5	45	18	207	.2	50	8	109	2.68	94	6	ND	10	345	.6	23	5	87	.15	.071	41	18	.03	701	.01	6	.50	.01	.20	1	5	1100
R 140527	6	46	18	193	.4	44	9	84	3.32	81	5	ND	9	165	.2	15	2	49	.21	.053	35	12	.04	926	.01	8	.56	.01	.15	1	9	920
R 140528	3	19	27	199	.2	44	14	619	3.36	343	5	ND	12	120	1.4	23	3	21	.66	.085	33	5	.05	722	.01	3	.54	.01	.14	1	9	5400
R 140529	3	35	26	338	.6	54	15	726	4.53	1570	5	ND	9	168	1.7	41	3	15	.78	.077	24	7	.09	722	.01	8	.50	.01	.15	1	100	6300
R 140530	1	16	28	273	.5	16	11	1258	4.11	6175	5	ND	9	246	1.2	52	2	11	1.95	.069	23	8	.32	857	.01	3	.35	.01	.09	1	1360	5100
R 140531	1	16	27	266	.5	18	10	1517	3.88	5420	5	2	10	250	1.1	48	3	12	2.10	.099	22	10	.34	584	.01	5	.41	.01	.10	1	1390	1900
R 140532	1	17	29	177	.6	17	10	867	3.77	4918	5	ND	11	162	.6	37	2	12	1.12	.096	23	6	.10	669	.01	7	.41	.01	.11	1	980	1700
R 140533	2	16	24	325	.1	20	10	841	3.43	387	5	ND	10	303	1.6	29	2	11	2.28	.103	20	13	.71	303	.01	4	.52	.01	.17	1	90	2100
STANDARD C/AU-R	19	61	40	134	7.1	73	31	1051	3.93	40	20	7	39	52	18.6	16	21	56	.50	.099	40	60	.89	183	.08	35	1.87	.06	.13	11	480	1600

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: P1 TO P2 ROCK P3 CORE AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: AUG 31 1990 DATE REPORT MAILED: Sept 7/90 SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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	Hg ppb
R 140534	2	17	30	251	.3	23	12	757	3.71	158	5	ND	9	145	2.0	18	2	12	2.07	.111	26	8	.31	300	.01	7	.57	.01	.17	1	2	1300
R 140535	2	17	32	190	.2	21	11	937	3.68	2111	5	ND	5	260	1.3	27	3	12	2.39	.064	19	9	.39	682	.01	8	.59	.01	.15	1	310	4400
R 140536	4	23	25	309	.2	45	15	715	3.41	181	5	ND	9	169	3.0	15	2	24	1.33	.079	32	8	.08	1069	.01	7	.65	.01	.15	1	11	1800
R 140537	3	17	28	528	.3	35	15	1083	3.94	288	5	ND	10	195	5.2	18	2	24	2.44	.077	30	11	.15	1216	.01	4	.62	.01	.12	1	12	5300
R 140538	2	15	34	296	.2	27	15	772	3.85	238	5	ND	11	149	1.6	17	2	35	1.49	.064	37	15	.07	782	.01	7	.60	.01	.09	1	7	4800
R 140539	2	16	48	271	.4	38	16	864	4.04	102	10	ND	14	167	1.2	19	3	43	2.30	.102	39	18	.08	897	.01	6	.64	.01	.08	1	2	2800
R 140540	2	13	35	192	.2	20	12	840	3.67	200	5	ND	13	143	1.0	15	3	15	3.08	.111	34	6	.14	504	.01	9	.58	.01	.15	1	7	2300
R 140541	3	15	35	259	.6	25	14	963	3.89	354	5	ND	15	148	1.7	15	9	30	2.17	.095	40	14	.09	921	.01	7	.65	.01	.10	1	30	4100
R 140542	2	13	38	170	.5	27	14	1072	3.82	1727	5	ND	13	129	1.2	31	3	24	1.59	.059	35	10	.07	853	.01	9	.63	.01	.11	1	590	6300
R 140543	2	15	44	240	1.0	22	12	887	4.28	2577	5	2	11	153	1.1	32	2	21	2.06	.054	32	10	.15	996	.01	6	.58	.01	.11	1	1610	3500
R 140544	2	15	61	247	.5	27	13	894	3.97	1314	5	ND	11	101	.7	33	2	37	1.65	.031	36	15	.07	525	.01	2	.53	.01	.08	1	400	4800
R 140545	2	18	84	299	.2	39	17	1089	4.43	989	5	ND	12	97	.7	37	2	40	.45	.050	40	17	.05	676	.01	2	.63	.01	.08	1	610	6800
R 140546	3	28	51	274	1.2	44	14	531	3.42	1332	5	3	11	117	.3	41	2	34	.51	.045	39	13	.06	951	.01	8	.70	.01	.16	1	2050	3700
R 140548	1	196	15	189	35.6	7	2	106	.49	37	5	ND	1	54	16.0	45403	6	3	.41	.001	2	2	.01	6	.01	4	.15	.01	.03	3	980	7200
R 140549	1	47	94	520	11.6	34	10	179	3.95	220	5	ND	1	66	5.4	22889	7	23	.17	.017	10	6	.02	68	.01	7	.27	.01	.09	1	1820	4300

GRAB BETC 9047

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9009-017 File # 90-4059 Page 1

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5

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	Hg ppb
R 140551	5	22	41	555	.3	112	29	612	4.26	87	5	ND	10	104	2.9	792	3	36	.23	.087	37	11	.05	836	.01	7	.59	.01	.12	1	18	350
R 140552	3	13	50	278	1.4	25	12	1179	4.25	2724	5	2	15	152	2.1	1829	2	25	.15	.069	41	9	.03	859	.01	7	.53	.01	.10	1	2530	3800
R 140553	3	21	66	285	.9	37	12	1119	4.19	2273	5	2	11	129	.6	6112	6	29	.19	.072	37	10	.03	886	.01	9	.58	.01	.10	1	1830	4400
R 140554	5	19	43	395	.5	48	13	791	4.32	897	5	ND	11	136	1.5	138	2	46	.13	.083	40	13	.04	987	.01	5	.69	.01	.10	1	250	5400
R 140555	4	28	35	288	.2	55	15	861	4.31	1496	5	ND	14	94	4.8	115	2	38	.31	.143	58	13	.05	745	.01	8	.76	.01	.14	1	300	7100
R 140556	31	69	18	213	1.5	42	6	114	2.05	181	8	ND	5	527	2.7	47	3	191	.24	.086	25	22	.04	1339	.01	10	.62	.01	.15	1	28	2200

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	ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Hg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au ppb	Hg ppb
026908 DR	4	40	49	261	1.0	42	10	561	3.37	1605	5	ND	11	108	2.0	139	2	65	.39	.101	28	18	.19	756	.01	6	.76	.01	.12	1	1020	6600
026909 DR	4	30	62	299	1.9	32	10	861	3.28	1442	5	ND	17	111	1.5	6373	3	67	.20	.082	35	18	.03	761	.01	3	.60	.01	.09	2	1080	6800
026910 DR	4	23	58	190	1.4	18	10	891	3.25	1289	5	ND	17	103	.6	5470	2	29	.22	.043	24	15	.08	682	.01	2	.56	.01	.10	2	1190	3800
026911 DR	4	22	111	342	1.0	29	12	1032	3.58	737	5	ND	18	149	2.6	454	4	41	.38	.087	29	16	.11	936	.01	4	.67	.01	.09	1	300	5400
026912 DR	4	22	142	248	1.0	24	11	1026	3.63	874	5	ND	16	141	.8	382	3	42	.56	.085	30	15	.16	777	.01	3	.64	.01	.08	1	330	7800
026913 DR	4	19	44	165	.7	21	10	1008	3.39	2126	5	2	15	113	.2	204	2	48	.37	.054	26	22	.04	764	.01	3	.56	.01	.06	2	1410	7500
026914 DR	3	18	39	175	.3	24	12	860	3.31	979	5	ND	14	106	.2	138	3	55	.42	.036	24	20	.12	615	.01	6	.64	.01	.04	2	680	6800
026915 DR	3	18	35	128	.6	15	10	1297	3.36	1653	5	ND	13	125	.2	125	7	47	.85	.028	24	17	.29	478	.01	3	.53	.01	.06	2	1790	9600
026916 DR	3	14	30	128	.7	16	9	1272	3.54	1697	5	2	12	170	.4	92	4	40	1.04	.036	24	15	.41	517	.01	4	.54	.01	.06	2	2300	6300
026917 DR	3	20	37	168	.1	22	12	715	3.71	389	5	ND	18	118	.2	81	2	67	.41	.097	41	23	.18	650	.01	2	.54	.01	.04	1	240	4600
026918 DR	3	20	29	132	.1	18	10	626	3.36	168	5	ND	20	68	.2	80	2	64	1.38	.113	52	23	.31	342	.01	2	.72	.01	.09	1	44	3400
026919 DR	3	17	35	177	.1	24	12	751	4.15	530	5	ND	19	87	.2	114	2	67	1.03	.099	53	23	.28	1025	.01	4	.77	.01	.07	1	500	3800
026920 DR	3	26	103	223	1.5	26	11	1116	4.06	1519	5	ND	14	150	.2	10215	2	51	1.15	.066	36	17	.30	354	.01	2	.54	.01	.05	3	2310	4900
026921 DR	3	24	50	271	1.0	22	11	1005	4.42	1617	5	3	17	140	.2	6959	2	52	1.18	.080	38	16	.37	354	.01	5	.55	.01	.07	2	3190	2800
026922 DR	3	20	38	202	.8	18	12	1035	4.27	2043	5	4	16	145	.2	1033	2	55	1.03	.043	29	19	.47	384	.01	2	.51	.01	.05	1	3790	3100
026923 DR	2	16	32	124	1.4	15	10	960	3.13	2477	5	5	13	126	.2	690	4	51	1.25	.031	21	19	.59	491	.01	2	.57	.01	.05	2	4010	4800
026924 DR	2	19	44	128	1.0	18	10	1063	3.14	1630	5	3	12	111	.2	2124	2	49	1.19	.029	18	18	.50	483	.01	2	.54	.01	.05	2	1710	4600
026925 DR	3	17	45	140	.3	13	10	989	3.58	311	5	ND	13	109	.2	279	2	54	.47	.031	21	20	.11	798	.01	2	.67	.01	.02	2	210	5900
026926 DR	3	20	46	141	.3	15	10	620	2.46	167	5	ND	16	118	.2	133	2	50	.10	.036	23	17	.04	697	.01	2	.62	.01	.01	2	49	7300
026927 DR	3	16	46	139	.6	14	11	726	3.16	741	5	ND	14	109	.2	93	2	54	.40	.034	23	20	.15	651	.01	2	.58	.01	.03	2	570	6800
026928 DR	3	16	50	144	.4	14	9	811	3.53	544	5	ND	14	97	.2	89	2	58	.63	.033	22	20	.23	542	.01	2	.46	.01	.02	2	360	5200
026929 DR	3	17	58	189	.3	18	11	560	3.27	154	5	ND	22	66	.2	100	7	72	1.17	.119	57	27	.25	291	.01	2	.72	.01	.06	1	47	4300
026930 DR	3	18	28	149	.4	21	10	708	2.87	301	5	ND	21	127	.4	347	5	64	1.38	.100	46	26	.37	628	.01	2	.74	.01	.06	1	260	3500
026931 DR	3	20	44	157	.5	13	9	1104	3.60	754	5	ND	9	148	.2	4124	2	56	1.25	.030	20	20	.56	498	.01	2	.53	.01	.03	1	860	3900
026932 DR	2	16	27	97	.9	14	9	1272	3.14	3427	5	5	7	175	.3	352	2	36	1.95	.024	16	14	.90	289	.01	2	.50	.01	.06	1	5400	3200
026933 DR	2	9	43	135	.8	9	8	999	2.76	1090	5	ND	5	179	.6	353	2	21	1.82	.043	13	6	.74	295	.01	2	.45	.01	.08	1	1770	2400
026934 DR	3	20	26	121	.1	26	9	410	2.98	159	5	ND	7	89	.3	38	3	37	1.19	.064	22	9	.65	230	.01	2	.52	.01	.13	1	54	950
026935 DR	5	31	19	217	.3	58	14	369	3.45	69	5	ND	7	90	.8	25	2	52	1.21	.067	25	21	.59	110	.01	4	.72	.01	.22	1	24	520
R 140903	3	4	7	11	.2	3	4	15	1.51	23	5	ND	1	247	.2	24	5	35	.13	.133	16	11	.08	1473	.01	14	.84	.01	.28	3	5	1200
R 140904	8	11	4	10	.4	2	4	11	2.75	54	5	ND	2	298	.2	39	2	39	.14	.163	16	8	.08	748	.01	17	1.01	.01	.32	3	12	1800
R 140905	3	6	15	7	.4	5	3	13	1.88	34	5	ND	2	393	.2	37	3	28	.17	.211	23	17	.09	1676	.01	19	.95	.01	.29	4	6	2000
R 140906	3	46	14	123	.2	29	22	217	5.11	38	5	ND	2	232	.2	15	2	60	.13	.139	21	18	.10	3580	.01	9	1.00	.01	.18	2	5	1300
R 140907	4	79	10	215	.3	79	46	1203	8.50	105	5	ND	3	191	.2	18	2	99	.73	.118	21	30	.11	2867	.02	7	.91	.01	.13	2	17	1100
STANDARD C/AU-R	19	57	41	134	6.9	73	32	1050	3.95	41	21	7	40	55	19.6	15	20	56	.45	.094	39	56	.91	183	.08	38	1.88	.06	.14	13	540	1300

BCRC 90-214

BETR 90-1E

CME ANAL. .AL LABORATORIES LTD. 852 E. HASTINGS ST. VAN JER B.C. V6A 1R6 PHONE(604)253-3158 FAX(60 .53-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9008-057 File # 90-3420 Page 1

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5

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	Hg ppb
R 137143	10	36	51	922	.4	97	14	97	3.35	529	5	ND	10	103	2.8	175	2	147	.09	.109	35	11	.02	851	.01	7	.58	.01	.12	1	360	2100
R 137144	10	32	45	712	.7	64	7	59	2.80	613	5	ND	9	108	4.7	209	2	243	.09	.097	32	11	.01	647	.01	10	.47	.01	.11	1	93	1800
R 137145	12	85	17	68	3.3	15	3	51	1.11	159	5	ND	2	460	4.4	76	2	368	.60	.453	14	56	.03	2966	.01	25	.62	.01	.10	1	52	14000
R 137146	20	71	21	302	1.9	56	6	58	2.07	212	5	ND	3	277	3.4	180	2	359	.12	.205	13	43	.02	2356	.01	11	.52	.01	.11	1	6	6600
R 137147	10	49	17	71	1.4	13	1	56	1.07	188	5	ND	3	148	6.4	85	2	186	.14	.148	16	22	.02	1152	.01	6	.36	.01	.09	2	57	12000
R 137148	11	36	13	45	.9	18	1	27	.70	62	5	ND	2	97	1.0	70	2	133	.11	.061	8	20	.01	905	.01	8	.21	.01	.06	1	32	4700
R 137149	25	93	45	437	1.5	78	7	57	3.90	420	6	ND	7	308	4.7	170	5	553	.10	.165	26	32	.03	1165	.01	5	.58	.01	.13	2	55	6500
R 137150	11	19	48	173	.1	20	3	55	1.82	174	5	ND	10	216	1.8	64	2	200	.12	.070	38	12	.03	787	.01	8	.51	.01	.18	2	28	2300
R 137151	15	49	42	426	.1	44	11	36	3.30	377	5	ND	18	174	3.6	104	2	381	.09	.103	46	24	.03	657	.01	7	.63	.01	.14	1	17	1600
R 137152	24	37	52	591	.1	59	10	62	4.04	352	5	ND	10	175	5.0	75	3	456	.11	.110	30	14	.02	869	.01	4	.55	.01	.14	1	23	1300
R 137153	20	56	44	681	.1	58	12	65	3.60	243	5	ND	10	121	3.1	78	2	393	.09	.087	34	15	.02	604	.01	7	.52	.01	.13	1	11	1500
R 137154	12	70	37	368	.1	65	5	57	2.44	275	5	ND	11	110	2.1	86	3	436	.10	.087	37	12	.02	566	.01	11	.47	.01	.14	1	11	2400
R 137155	13	37	41	393	.3	42	6	67	3.44	550	5	ND	12	134	4.9	64	3	406	.11	.104	37	23	.02	612	.01	7	.51	.01	.15	1	34	2600
R 137156	6	81	40	202	.2	25	3	43	2.32	708	5	ND	9	168	2.1	33	5	277	.11	.084	29	10	.02	732	.01	12	.52	.01	.14	1	190	2900
R 137157	7	115	40	499	.1	43	6	88	3.38	547	5	ND	7	357	1.5	35	2	365	.12	.132	21	12	.02	806	.01	9	.66	.01	.14	2	30	1600
STANDARD C/AU-R	20	61	43	131	7.2	71	32	100	3.92	42	18	6	38	53	18.4	15	21	56	.51	.096	38	60	.92	183	.07	37	1.91	.05	.14	11	480	1500

BCTR 90M-10

ICP - .500 GRAM SAMPLE IS DIGESTD 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: P1-P3 Rock P4-P5 Core P6-P9 Cutting AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.
HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: AUG 13 1990 DATE REPOR MAILED: Aug 21/90 SIGNED BY: ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ASSAY RECOMMENDED

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	Hg ppb
R 137158	11	69	30	329	.2	39	6	63	4.05	1107	6	ND	8	304	5.4	43	2	425	.12	.142	24	13	.0	1051	.01	5	.64	.01	.16	2	132	2400
R 137159	16	60	29	354	.9	45	6	64	2.80	346	6	ND	7	282	1.8	78	6	415	.13	.125	25	28	.0	1839	.01	4	.64	.01	.14	2	47	4300
R 137160	16	77	18	272	1.4	61	5	58	1.90	228	14	ND	4	667	1.6	88	2	441	.19	.241	14	41	.0	3525	.01	4	.83	.01	.09	2	60	8300
R 137162	15	35	43	417	1.3	58	8	143	2.91	419	5	ND	9	225	1.3	104	2	321	.12	.136	25	18	.0	2050	.01	4	.60	.01	.12	2	57	3500
R 137163	8	18	43	488	.1	83	13	748	4.87	327	7	ND	12	105	2.2	25	3	72	.09	.103	30	13	.0	848	.01	2	.54	.01	.11	2	45	620
R 137164	5	7	31	228	.1	43	13	932	4.41	258	5	ND	13	94	1.8	24	4	66	.10	.088	37	11	.0	972	.01	2	.55	.01	.11	2	30	560
R 137165	5	7	38	177	.1	27	11	937	4.13	110	7	ND	14	93	.2	20	2	56	.10	.086	38	14	.0	975	.01	2	.60	.01	.12	2	14	520
R 137166	5	9	32	257	.2	31	12	1012	4.34	201	5	ND	13	102	.2	28	2	59	.06	.081	41	10	.0	1141	.01	2	.64	.01	.13	1	17	550
R 137167	6	8	31	281	.2	31	11	831	4.29	285	8	ND	12	71	.2	28	2	52	.06	.058	32	10	.0	857	.01	3	.59	.01	.11	2	35	620
R 137168	7	10	34	257	.1	36	11	818	4.44	1175	5	ND	12	94	.2	34	2	51	.13	.097	42	10	.0	906	.01	2	.57	.01	.11	1	310	1050
R 137169	9	20	38	264	.2	37	13	885	4.71	2093	5	ND	12	103	.2	41	2	53	.17	.106	39	20	.0	1541	.01	2	.59	.01	.12	1	400	1300
R 137170	11	18	37	462	.2	45	13	654	4.87	1266	5	ND	13	125	.2	53	2	57	.08	.106	35	9	.0	1217	.01	2	.61	.01	.11	1	420	780
R 137171	7	15	23	341	.1	38	12	999	4.19	301	5	ND	15	89	.2	22	2	49	.13	.109	37	15	.0	934	.01	2	.64	.01	.12	2	36	900
R 137172	7	15	29	268	.1	32	11	700	4.00	370	5	ND	15	100	.2	38	2	65	.15	.124	37	16	.0	981	.01	2	.73	.01	.11	2	60	1100
R 137173	9	23	34	285	.1	30	11	554	4.28	567	5	ND	15	117	.2	51	2	51	.07	.093	32	17	.0	1181	.01	2	.65	.01	.12	1	38	580
R 137174	3	19	33	130	.1	12	12	877	4.25	1417	5	ND	15	105	.2	24	2	40	.15	.084	40	6	.0	1071	.01	3	.59	.01	.15	1	270	920
R 137175	4	14	35	111	.1	17	11	839	4.00	216	9	ND	16	98	.2	16	2	42	.15	.101	39	8	.0	987	.01	2	.66	.01	.14	2	38	830
R 137176	8	11	29	143	.1	26	12	647	3.92	993	5	ND	15	119	.4	43	2	40	.10	.082	37	8	.0	815	.01	2	.56	.01	.11	2	112	960
R 137177	7	8	31	155	.2	25	11	600	3.85	1833	5	ND	14	82	.2	39	2	32	.17	.095	41	16	.0	746	.01	2	.52	.01	.11	2	1310	1300
R 137178	8	6	32	406	.1	42	12	794	4.31	812	5	ND	15	68	.8	42	2	34	.23	.128	41	7	.0	634	.01	2	.60	.01	.14	2	123	1200
R 137179	7	10	23	375	.1	37	11	672	3.69	1097	5	ND	16	61	.2	33	2	36	.25	.125	44	10	.0	632	.01	2	.64	.01	.13	2	200	1300
R 137180	6	9	35	166	.1	26	12	785	3.92	629	5	ND	16	104	.2	18	2	38	.09	.083	37	11	.0	980	.01	2	.70	.01	.13	2	48	1100
R 137181	5	11	31	127	.1	19	12	973	3.94	799	5	ND	16	66	.2	23	2	50	.27	.127	46	21	.0	659	.01	6	.68	.01	.13	2	160	1900
R 137182	4	25	39	317	.3	34	12	571	4.62	2280	5	ND	13	79	2.9	542	2	49	.21	.110	35	9	.0	727	.01	2	.61	.01	.12	1	1180	1500
R 137183	7	44	38	285	1.0	40	7	157	3.91	3779	5	ND	6	209	5.7	8005	2	103	.41	.172	29	24	.0	2222	.01	4	.66	.01	.12	1	2130	3300
R 137184	9	44	31	397	1.0	67	13	570	3.87	797	5	ND	7	217	2.6	49	2	94	.15	.139	31	26	.0	1931	.01	3	.78	.01	.13	2	270	2600
R 137185	5	26	40	189	.1	35	12	660	4.08	1463	5	ND	10	97	1.1	54	2	49	.24	.107	37	25	.0	933	.01	3	.62	.01	.15	2	200	1900
R 137186	3	22	28	135	.1	29	12	733	3.84	727	5	ND	11	119	.2	37	2	50	.09	.071	35	24	.0	1165	.01	5	.65	.01	.12	1	98	1300
R 137187	4	22	29	142	.2	30	13	687	4.00	866	5	ND	12	107	.6	69	2	46	.10	.071	39	22	.0	1027	.01	4	.65	.01	.13	1	81	1400
R 137188	4	22	34	150	.1	37	13	921	3.80	733	5	ND	10	87	.2	27	2	60	.09	.062	26	32	.0	981	.01	4	.69	.01	.14	1	111	2000
R 137189	4	25	43	196	.1	47	16	1112	4.12	1097	5	ND	12	99	1.1	32	2	55	.09	.065	32	32	.0	1057	.01	2	.66	.01	.11	1	220	1500
R 137190	4	26	38	192	.2	38	14	1053	4.43	1343	6	ND	14	74	.2	33	2	50	.22	.104	43	22	.0	812	.01	5	.64	.01	.15	2	390	1800
R 137191	3	22	30	217	.1	49	20	1434	4.29	756	5	ND	15	70	.2	17	2	48	.23	.106	48	23	.0	791	.01	2	.66	.01	.13	1	92	1400
R 137192	3	24	20	280	.1	51	15	1168	3.98	539	5	ND	15	34	1.8	14	2	55	.33	.132	47	27	.0	449	.01	2	.74	.01	.14	2	66	1700
R 137193	3	33	35	276	.1	53	17	1124	3.92	584	5	ND	14	63	2.3	13	2	57	.17	.091	35	32	.0	677	.01	2	.77	.01	.13	1	85	2500
R 137194	4	42	37	429	.1	82	24	1768	4.22	227	5	ND	11	98	3.6	18	2	57	.07	.066	27	28	.0	1114	.01	3	.72	.01	.13	2	45	3200
STANDARD C/AU-R	20	59	38	130	7.2	72	32	1051	3.96	39	24	6	39	52	18.6	16	19	57	.51	.095	39	60	.89	182	.08	32	1.88	.06	.14	14	540	1400

MPLE#	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	Hg ppb
137195	5	73	35	607	1.2	95	21	813	5.86	414	5	ND	5	126	3.7	30	2	69	.10	.097	21	25	.04	1212	.01	9	.71	.01	.15	1	46	4400
137196	23	149	10	448	2.6	111	8	154	2.99	321	16	ND	3	1160	2.8	22	2	398	.29	.473	17	58	.04	4330	.01	12	1.47	.01	.12	1	50	17000
137197	7	56	21	121	1.5	30	4	149	2.24	393	5	ND	3	731	1.7	23	2	265	.16	.226	17	58	.04	3614	.01	8	1.08	.01	.13	1	220	10000
137198	6	90	58	605	1.6	103	34	1729	5.87	1273	7	ND	14	146	3.6	53	2	127	.07	.081	33	232	.03	1409	.01	6	.80	.01	.05	3	920	8300
137199	8	51	49	335	1.1	86	25	1285	5.47	972	5	ND	11	94	1.7	50	2	64	.08	.055	25	30	.03	997	.01	5	.74	.01	.09	2	110	4200
137200	6	20	11	83	.4	30	9	642	1.10	201	5	ND	2	44	.8	28	2	17	.03	.025	8	13	.01	513	.01	4	.31	.01	.06	1	45	1200

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	Hg ppb
R 137011	2	169	239	198	16.5	16	1	35	.66	797	5	ND	2	72	16.5	8941	2	24	.30	.012	24	10	.06	388	.01	8	.56	.01	.15	2	990	820
R 137012	1	218	376	197	29.2	13	1	30	.72	1118	5	ND	2	106	31.2	10629	2	17	.27	.023	19	9	.04	353	.01	9	.37	.01	.11	1	1240	1500
R 137013	2	305	2905	140	114.8	9	1	40	1.07	2238	5	2	1	188	65.8	14883	2	42	.34	.052	13	11	.04	788	.01	6	.42	.01	.19	1	2020	2500
R 137014	3	59	32	102	1.5	11	3	333	1.24	171	5	ND	7	164	1.9	215	2	28	.10	.027	21	8	.03	475	.01	6	.33	.01	.19	1	57	230
R 137015	2	55	34	371	.7	59	24	994	3.69	315	5	ND	11	36	1.0	297	2	16	.13	.055	40	9	.08	647	.01	6	.54	.01	.18	2	28	200
R 137016	2	37	10	320	.1	57	16	663	3.34	266	5	ND	10	19	1.0	212	2	15	.14	.056	40	10	.11	342	.01	8	.65	.01	.21	1	12	150
R 137017	2	46	7	182	.5	34	9	356	2.44	223	5	ND	12	39	.6	153	2	14	.13	.043	41	11	.10	442	.01	6	.70	.01	.25	1	27	90
R 137018	2	31	31	186	2.2	32	7	516	2.42	287	5	ND	10	60	1.2	522	2	10	.08	.033	36	8	.05	461	.01	4	.46	.01	.24	1	144	120
R 137019	2	60	15	489	.3	74	14	701	4.31	393	5	ND	10	30	.9	847	2	16	.13	.055	37	11	.14	523	.01	5	.71	.01	.21	1	26	80
R 137020	1	65	30	316	1.2	43	7	175	2.23	324	5	ND	9	43	.2	8903	2	13	.14	.029	40	12	.14	218	.01	6	.78	.01	.20	1	123	90
R 137021	1	195	2	418	10.6	43	7	235	2.53	125	5	ND	1	28	4.1	20912	2	28	.26	.022	15	33	.33	21	.01	7	.81	.01	.17	1	148	230
R 137022	3	31	37	325	1.1	39	8	327	3.83	497	9	ND	21	156	1.4	161	2	50	.17	.106	61	53	.42	311	.05	8	1.12	.01	.34	2	69	90
R 137023	4	46	22	796	.1	75	17	1152	5.19	486	8	ND	21	108	.6	299	2	54	.23	.128	59	56	.49	472	.04	5	1.27	.01	.26	1	67	80
R 137024	4	48	23	1165	.1	128	39	3128	8.14	478	6	ND	18	40	2.8	90	2	38	.16	.143	46	30	.13	634	.01	3	.83	.01	.12	1	10	110
R 137025	2	37	21	589	.1	102	23	918	5.42	356	5	ND	20	48	1.0	102	2	91	.31	.136	55	82	.95	861	.11	7	1.74	.01	.38	1	24	60
R 137026	2	45	24	404	.1	86	16	730	4.80	430	5	ND	19	35	1.3	60	2	94	.36	.135	58	85	1.11	985	.13	2	2.05	.01	.45	1	16	40
R 137027	3	95	24	216	.1	56	7	241	4.10	672	5	ND	17	47	1.2	51	3	38	.16	.100	48	30	.20	521	.01	3	1.41	.01	.14	2	22	60
R 137028	2	39	28	269	.1	62	14	272	4.12	173	6	ND	21	44	1.4	25	2	85	.38	.122	58	81	1.19	783	.09	4	2.15	.02	.33	1	10	20
R 137029	2	90	31	199	.1	54	15	298	3.84	386	5	ND	22	55	1.9	42	2	83	.32	.127	57	79	.99	749	.09	2	2.00	.02	.31	1	31	30
R 137030	2	71	31	118	.5	37	8	213	3.52	1004	5	ND	21	88	1.8	63	2	54	.17	.089	45	49	.54	759	.06	5	1.52	.02	.29	1	121	50
R 137031	2	115	20	227	.1	79	18	464	4.37	148	6	ND	20	45	.6	14	2	93	.41	.132	50	87	1.21	1199	.14	3	2.58	.02	.47	2	1	50
R 137032	7	106	12	100	.4	31	4	52	3.76	430	5	ND	11	120	.2	23	2	133	.24	.185	35	22	.07	91	.01	7	.89	.03	.25	1	1	160
R 137033	9	73	7	413	.2	51	14	277	5.07	202	5	ND	8	66	.2	4	2	33	.10	.069	37	8	.05	909	.01	8	.66	.01	.18	1	1	250
STANDARD C/AU-R	18	58	39	132	7.3	69	29	1028	4.03	38	19	7	37	53	18.4	15	22	55	.52	.096	37	59	.92	179	.07	36	1.91	.06	.14	13	500	1300

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	Hg ppb
137034	8	100	25	363	.2	77	18	346	6.94	587	5	ND	11	87	.2	17	2	61	.14	.082	31	11	.07	763	.01	8	1.05	.01	.26	1	12	270
137035	1	18	12	7	.2	6	1	8	.61	13	5	ND	10	32	.2	9	2	16	.11	.011	47	6	.06	392	.01	9	.52	.01	.26	1	10	130
137036	1	901	2	1059	33.0	27	1	12	.05	21	5	ND	1	38	20.2	32312	2	1	.54	.001	2	3	.01	4	.01	6	.02	.04	.01	2	176	1100
136997	4	214	29	188	11.1	12	1	24	1.56	11676	5	2	1	15	35.3	3642	2	7	.06	.015	2	12	.01	996	.01	5	.19	.01	.04	1	4240	3100
136998	3	69	7	295	.4	32	5	52	2.88	1024	5	ND	27	124	.2	867	2	32	.10	.080	92	22	.03	587	.01	10	.42	.01	.18	3	43	100
STANDARD C	18	59	38	132	7.3	72	31	1042	4.19	42	18	7	36	52	18.4	16	19	55	.55	.097	37	59	.92	179	.07	39	1.94	.06	.13	11	-	1300

ASSAY RECOMMENDED for Ag > 30 ppm
Sb > 1000 ppm.
As > 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 120479	2	400	524	320	97.5	8	3	32	6.74	72022	5	14	1	87	68.3	22166	2	8	.63	.024	7	12	.02	785	.01	2	.28	.02	.04	1	20600
R 120480	3	177	63	203	43.4	10	2	21	4.43	49821	5	17	1	10	8.0	3133	2	6	.05	.015	6	12	.01	235	.01	2	.16	.01	.03	1	21400

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	Hg ppb
137034	8	100	25	363	.2	77	18	346	6.94	587	5	ND	11	87	.2	17	2	61	.14	.042	31	11	.07	763	.01	8	1.05	.01	.26	1	12	270
137035	1	18	12	7	.2	6	1	8	.61	13	5	ND	10	32	.2	9	2	16	.11	.011	47	6	.06	392	.01	9	.52	.01	.26	1	10	330
137036	1	901	2	1059	33.0	27	1	12	.05	21	5	ND	1	38	20.2	32312	2	1	.54	.001	2	3	.01	4	.01	6	.02	.04	.01	2	176	1100
136997	4	214	29	188	11.1	12	1	24	1.56	1676	5	2	1	15	35.3	3642	2	7	.06	.015	2	12	.01	998	.01	5	.19	.01	.04	1	4240	3100
136998	3	69	7	295	.4	32	5	52	2.88	1024	5	ND	27	124	.2	867	2	32	.10	.080	92	22	.03	587	.01	10	.42	.01	.18	3	43	100
STANDARD C	18	59	38	132	7.3	72	31	1042	4.19	42	18	7	36	52	18.4	16	19	55	.55	.097	37	59	.92	179	.07	39	1.94	.06	.13	11	-	1300

ASSAY RECOMMENDED for Ag > 30 ppm
Sb > 1000 ppm.
As > 1 %

136997 } BETR90F-2
136998 }

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 120476	5	13	6	59	.1	16	4	156	.88	74	5	ND	1	41	.4	31	2	18	.03	.030	4	12	.01	715	.01	4	.19	.01	.05	1	20
R 120477	3	28	29	165	.1	31	12	397	3.69	43	5	ND	12	80	2.4	8	5	57	.07	.058	22	13	.03	1079	.01	3	.63	.01	.08	1	2
R 120478	10	104	57	482	.1	149	40	476	12.47	2487	5	ND	38	99	4.4	256	2	163	.05	.089	36	37	.01	1186	.01	2	.73	.01	.03	2	370

BCTR90P-2

TR 90P-2

SAMPLE#	HG ppb
R 120476	780
R 120477	600
R 120478	8000
R 120479	9200
R 120480	2700

TR 10 P-1

TR 90G-9

SAMPLE#	HG ppb
R 137044	3600
R 137045	3000
R 137046	720
R 137047	5600
R 137048	1300
R 137049	4200
R 137050	3500
R 137051	6600
R 137052	2800
R 137053	120
R 137054	2900
R 137055	2000
R 137056	110
R 137057	2000
R 137058	1300
R 137059	4100
R 137060	2000
R 137061	1000
R 137062	1900
R 137063	5000
R 137064	8300
R 137065	3500
STANDARD C	1500

CME ANAL. AL LABORATORIES LTD. 852 E. HASTINGS ST. VAN JER B.C. V6A 1R6 PHONE(604)253-3158 FAX(60 53-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9008-057 File # 90-3420 Page 1

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5

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	Hg ppb
R 137119	9	144	54	306	.8	37	10	194	4.03	2034	5	ND	5	105	1.8	1346	2	38	.15	.044	27	10	.04	350	.01	3	.50	.01	.20	1	200	280
R 137120	5	175	307	182	6.4	10	2	22	2.17	3255	5	ND	2	142	16.2	11991	2	19	.22	.049	25	8	.04	355	.01	4	.47	.01	.26	1	450	460
R 137121	3	73	12	89	.6	7	2	27	2.65	2041	5	ND	5	109	1.0	885	2	24	.12	.041	30	9	.05	396	.01	4	.58	.01	.32	1	190	150
R 137122	4	70	26	70	1.1	13	2	39	2.01	1669	5	ND	6	79	.6	1417	4	29	.13	.041	34	11	.09	432	.01	4	.72	.01	.28	2	102	260
R 137123	4	82	116	58	4.3	7	1	37	1.45	1466	5	ND	5	55	4.5	3631	2	20	.12	.017	28	10	.05	462	.01	4	.45	.01	.27	1	520	240
R 137124	3	452	154	563	35.1	29	1	48	1.92	1086	5	ND	1	117	45.7	24735	2	18	.88	.011	10	11	.04	102	.01	4	.41	.03	.27	3	1330	1400
R 137125	1	1129	110	3230	170.9	23	1	47	2.37	1141	5	4	1	122	121.5	30923	2	10	1.06	.003	2	8	.02	9	.01	3	.19	.03	.04	2	5610	7300
R 137126	2	389	216	1933	47.2	12	1	20	2.25	2091	5	3	1	96	66.0	26906	2	12	.52	.014	4	10	.03	34	.01	6	.32	.01	.27	2	3850	2600
R 137127	4	93	361	162	32.0	12	1	25	1.49	4082	5	ND	1	50	15.4	16132	2	15	.30	.019	23	11	.04	574	.01	5	.42	.01	.23	1	2600	820
R 137128	6	87	295	103	18.8	13	1	26	1.37	2470	5	ND	1	63	10.9	17047	2	13	.34	.014	19	11	.04	606	.01	8	.40	.01	.25	2	2090	650
R 137129	6	87	183	106	11.5	14	1	18	.98	2094	5	ND	1	69	6.1	7342	2	25	.19	.023	15	11	.04	718	.01	5	.39	.01	.16	2	870	760
R 137130	9	90	309	232	15.8	19	2	64	1.90	7115	5	ND	1	79	7.9	5605	2	26	.14	.034	7	12	.03	464	.01	2	.36	.01	.11	1	2070	1300
R 137131	5	81	192	75	10.8	13	1	26	1.36	5331	5	ND	3	171	2.3	2310	2	33	.11	.043	13	11	.03	814	.01	6	.39	.01	.15	1	1370	1400
R 137132	8	47	29	75	3.0	11	1	41	1.29	1598	5	ND	4	210	.2	1606	2	39	.11	.031	16	9	.04	315	.01	5	.45	.01	.19	1	580	480
R 137133	10	57	17	124	.6	13	1	13	1.39	781	5	ND	4	114	.4	1359	2	30	.15	.015	24	9	.04	477	.01	6	.45	.01	.19	1	200	240
R 137134	13	47	10	44	.5	11	1	18	1.00	415	5	ND	3	21	.6	613	6	30	.07	.006	18	12	.03	810	.01	4	.35	.01	.12	1	230	250

BC7690-3

Noranda Exploration Co. Ltd. PROJECT 9009-017 FILE # 90-4059

BC TR 90-04

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	Hg ppb
R 140576	3	36	21	233	.1	15	4	47	2.22	31	5	ND	7	35	1.0	73	2	11	.08	.031	27	9	.04	356	.01	8	.46	.01	.17	1	12	1300
R 140577	1	19	25	27	.1	3	1	44	.78	20	5	ND	6	47	.5	20	2	8	.07	.013	26	5	.04	308	.01	9	.36	.01	.18	1	12	110
R 140578	3	54	27	279	.2	59	19	380	4.60	15	5	ND	8	35	1.5	22	2	24	.17	.057	35	23	.32	375	.01	10	1.20	.01	.21	1	8	90
R 140579	1	41	14	138	.1	40	9	175	3.09	13	5	ND	7	32	1.3	6	2	23	.18	.044	34	12	.31	414	.01	7	1.26	.01	.21	1	44	50
R 140580	2	51	68	333	.2	23	7	82	4.15	26	5	ND	11	55	.5	9	2	22	.16	.064	45	12	.14	400	.01	6	.84	.01	.23	1	3	70
R 140581	3	31	45	1151	.3	51	9	53	10.27	52	5	ND	13	64	4.1	13	2	24	.09	.140	40	17	.05	289	.01	8	.57	.01	.30	1	2	100
R 140582	2	61	27	610	.1	50	9	106	5.79	22	5	ND	20	56	5.4	16	3	56	.10	.164	72	40	.08	250	.01	6	.89	.01	.12	1	2	70
R 140583	2	33	40	305	.1	20	4	34	3.61	62	5	ND	17	66	4.0	18	2	26	.09	.103	67	21	.04	319	.01	7	.56	.01	.18	1	5	80
R 140584	3	37	37	214	.8	19	5	65	4.58	416	5	ND	12	45	3.9	33	4	19	.09	.105	40	12	.04	439	.01	8	.49	.01	.23	1	5	180
R 140585	1	19	32	70	1.4	9	3	53	1.75	113	5	ND	4	56	.7	28	2	11	.08	.031	14	8	.04	443	.01	4	.35	.01	.16	1	56	100
R 140586	3	22	9	103	.4	10	3	29	3.11	111	5	ND	3	28	.9	33	5	16	.05	.042	11	9	.02	266	.01	7	.28	.01	.13	1	28	50
R 140587	1	16	5	106	.2	6	1	32	1.72	60	5	ND	3	14	.2	26	2	14	.04	.027	14	5	.02	382	.01	8	.29	.01	.10	1	14	60
STANDARD C/AU-R	19	58	37	131	6.8	71	32	1051	3.96	40	17	7	38	56	18.8	15	17	56	.51	.096	39	57	.89	182	.08	35	1.88	.06	.14	11	520	1400

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	Hg ppb
R 140588	2	96	13	470	.1	135	36	258	6.57	.41	5	ND	6	32	2.4	13	2	68	.27	.124	36	77	.76	1183	.01	7	2.59	.01	.17	1	68	50
R 140589	5	29	33	31	.2	17	2	47	2.88	.48	5	ND	12	30	.2	10	4	14	.07	.032	32	6	.05	314	.01	8	.45	.01	.21	1	126	40
R 140590	2	51	26	60	.1	25	3	90	2.56	.65	5	ND	22	63	.2	30	2	42	.18	.073	63	38	.38	634	.03	4	1.54	.01	.23	1	16	60
R 140591	2	77	26	135	.1	32	9	160	3.62	.64	5	ND	23	50	.2	51	2	63	.21	.098	59	61	.58	1654	.08	6	1.86	.01	.33	1	17	70
R 140592	2	60	81	166	.3	35	13	198	3.13	.156	5	ND	23	60	.6	101	2	47	.15	.088	65	46	.43	594	.04	5	1.59	.01	.23	1	28	50
R 140593	2	45	54	285	.5	45	18	390	3.44	.188	5	ND	23	27	2.3	59	2	63	.18	.095	60	68	.80	763	.09	4	1.64	.01	.35	1	86	40
R 140594	4	36	109	316	.7	50	51	891	3.64	.156	5	ND	22	41	3.4	62	2	53	.12	.105	60	61	.53	817	.07	7	1.27	.01	.32	1	19	60
R 140595	10	36	54	282	.4	53	77	2037	2.65	.118	5	ND	23	42	4.1	66	3	33	.11	.085	63	44	.28	844	.01	8	.92	.01	.21	1	17	80
R 140596	10	54	25	329	.4	48	15	950	4.11	.190	5	ND	22	49	4.3	90	2	24	.09	.121	63	23	.18	622	.01	9	.72	.01	.17	1	34	60
R 140597	9	32	24	175	.2	28	17	668	3.01	.270	5	ND	20	44	3.1	76	2	48	.09	.105	59	37	.21	749	.03	7	.71	.01	.25	1	64	50
R 140598	18	46	72	742	5.8	73	23	3328	10.02	1175	5	ND	17	58	5.8	1050	4	20	.07	.232	43	15	.02	1003	.01	4	.47	.01	.16	1	70	90
R 140599	8	28	15	378	1.6	39	9	428	6.20	.721	5	ND	21	44	3.0	465	3	25	.07	.143	57	28	.08	458	.01	4	.54	.01	.18	1	92	80
R 140600	8	29	17	557	1.4	55	10	390	7.10	.675	5	ND	22	27	2.8	518	2	36	.15	.156	58	33	.23	508	.01	7	.78	.01	.20	1	107	110
R 140601	10	29	49	541	5.3	50	8	293	7.54	1120	5	ND	18	30	2.3	1468	5	21	.08	.128	48	17	.06	423	.01	5	.51	.01	.15	1	310	150
R 140602	8	77	144	713	47.2	54	8	269	9.86	1750	5	ND	17	31	6.3	2581	2	45	.14	.161	44	44	.29	616	.05	5	.82	.01	.26	1	260	330
R 140603	6	69	143	600	13.6	50	7	218	8.06	1211	5	ND	17	38	7.7	2494	2	39	.10	.137	47	38	.20	618	.03	3	.70	.01	.22	1	250	570
R 140604	7	433	2433	393	139.2	29	4	234	4.06	5643	5	ND	5	102	111.0	17230	2	31	.30	.073	29	13	.04	1758	.01	5	.53	.01	.15	1	1530	3800
R 140605	4	428	3587	250	155.0	21	3	321	2.64	8853	5	ND	3	106	110.0	14773	2	18	.26	.046	18	21	.10	1203	.01	6	.50	.01	.18	1	2230	3300
R 140606	3	83	28	188	1.9	13	3	214	2.71	1396	5	ND	9	43	6.6	2503	4	11	.10	.027	31	6	.04	488	.01	5	.48	.01	.20	2	380	130
R 140607	9	169	16	668	1.5	41	13	1574	9.07	3588	5	ND	6	30	17.7	10140	6	11	.13	.101	31	13	.04	868	.01	6	.58	.01	.18	8	520	120
R 140608	12	417	145	503	8.9	52	18	3492	4.01	2002	5	ND	9	46	25.5	3324	2	20	.19	.053	41	14	.14	1413	.01	2	1.09	.01	.18	1	350	180
R 140609	4	1078	1892	934	204.8	42	3	421	2.77	3474	5	2	1	128	207.0	28317	3	18	.77	.033	11	10	.05	179	.01	5	.56	.02	.13	1	2520	3800
R 140610	4	1016	10521	481	522.5	17	3	198	4.71	15343	5	5	1	172	387.6	20099	2	28	.57	.067	10	11	.03	2287	.01	6	.40	.02	.09	1	6580	7500
STANDARD C/AU-R	18	59	40	131	6.9	72	31	1052	3.97	41	20	7	37	53	18.3	15	22	55	.51	.097	37	60	.90	181	.07	36	1.89	.06	.14	11	540	1600

BETR 90P24

140609: UPPER VEIN OF QUARTZ @ 181M

140610: LOWER QTZ VEIN @ 181-183m

SEP 13 '90 11:35

FAX 744

BCTR 90P-5

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	Hg ppb
R 140611	1	35	55	143	.4	48	12	812	3.44	82	5	ND	13	73	.2	18	2	30	.19	.072	45	14	.06	723	.01	8	.70	.01	.22	1	16	70
R 140612	2	38	53	227	.3	61	23	1977	4.97	112	5	ND	14	122	.2	32	2	40	.23	.102	56	26	.08	1060	.01	3	.79	.01	.18	1	4	50
R 140613	2	34	39	186	.3	46	18	1456	4.65	61	5	ND	17	146	.2	28	2	35	.26	.122	63	22	.06	793	.01	4	.72	.01	.18	1	9	60
R 140614	2	35	41	300	.3	68	28	2939	5.25	115	5	ND	16	64	2.3	32	3	35	.37	.142	65	25	.09	800	.01	5	.84	.01	.18	1	2	30
R 140615	2	48	59	500	.4	100	37	2445	6.91	328	5	ND	18	111	2.8	42	2	54	.33	.156	67	44	.11	644	.01	9	.92	.01	.20	1	11	70
R 140616	2	39	193	308	3.4	35	17	496	7.62	1034	5	ND	10	292	1.8	46	2	23	.11	.105	30	20	.05	176	.01	2	.49	.01	.42	1	520	130
R 140617	1	49	109	331	4.0	68	29	1957	8.10	906	5	ND	13	234	1.8	45	2	61	.28	.134	46	51	.15	242	.02	2	.85	.01	.40	1	230	110
R 140618	3	64	50	285	.3	53	17	921	4.55	795	5	ND	16	70	2.2	40	2	20	.30	.128	57	13	.05	867	.01	2	.74	.01	.18	1	260	180
R 140619	1	110	31	206	1.0	35	14	346	3.07	1895	5	ND	16	72	.5	71	4	17	.13	.079	50	10	.04	570	.01	2	.79	.01	.20	1	280	70
R 140620	1	62	103	216	2.3	29	12	629	4.60	2075	5	ND	13	155	1.1	883	2	16	.16	.079	46	11	.05	519	.01	2	.60	.01	.26	1	270	130
R 140621	2	42	36	172	.5	20	10	213	3.59	506	5	ND	13	66	.2	54	4	16	.10	.051	46	7	.05	277	.01	5	.60	.01	.26	2	47	90
R 140622	2	145	42	439	.6	63	19	526	4.13	60	5	ND	10	66	1.3	47	2	20	.12	.068	37	13	.07	279	.01	5	1.14	.01	.18	1	30	110
R 140623	1	45	38	600	.1	66	25	2466	4.27	65	5	ND	14	41	3.0	46	2	34	.24	.087	52	22	.15	855	.01	7	1.04	.01	.25	1	12	130
R 140624	2	45	27	1393	.1	76	31	4584	6.04	50	5	ND	17	63	6.6	46	2	80	.44	.137	61	62	.55	1014	.10	2	1.60	.01	.39	1	10	120
R 140625	1	39	21	1480	.1	76	34	5976	6.77	196	5	ND	16	60	9.4	34	2	72	.39	.129	63	63	.58	987	.10	2	1.38	.01	.37	1	39	80
R 140626	1	51	33	1190	.2	92	30	4506	6.12	42	5	ND	19	52	12.5	52	2	68	.44	.144	74	65	.58	957	.05	2	1.56	.01	.26	1	2	60
R 140627	2	40	320	680	.9	52	15	1579	5.35	161	5	ND	22	136	4.9	53	2	55	.29	.134	83	50	.41	698	.06	3	1.30	.01	.38	1	3	100
R 140628	2	46	37	519	.3	62	23	2233	4.87	28	5	ND	20	48	4.6	55	2	85	.52	.145	68	81	.91	972	.16	2	2.06	.01	.49	1	5	40
R 140629	2	74	84	449	.6	42	15	1449	4.31	194	5	ND	14	74	5.0	67	2	44	.27	.104	52	38	.32	1589	.03	4	1.23	.01	.28	1	12	60
R 140630	3	33	202	485	3.3	51	17	3619	3.99	198	5	ND	15	129	5.1	118	2	20	.24	.108	57	17	.06	668	.01	9	.62	.01	.22	1	15	130
R 140631	5	38	45	534	.1	73	25	3259	4.81	69	5	ND	19	43	8.0	147	2	40	.43	.137	67	32	.24	807	.01	3	1.23	.01	.23	1	10	150
R 140632	4	35	34	727	.1	76	27	4157	6.39	74	5	ND	19	58	5.3	149	2	37	.43	.134	65	28	.21	708	.01	2	1.27	.01	.19	1	6	140
R 140633	4	34	24	1125	.1	84	33	3620	5.54	54	5	ND	21	46	4.7	113	2	53	.44	.133	66	51	.43	971	.04	2	1.45	.01	.29	1	3	80
R 140634	5	39	32	822	.3	87	28	4738	5.28	85	5	ND	17	115	11.3	83	2	44	.38	.136	61	37	.29	963	.01	2	1.45	.01	.18	1	2	100
R 140635	8	56	38	476	.3	73	18	1937	4.67	152	5	ND	20	134	10.1	173	2	34	.38	.157	65	22	.14	590	.01	2	1.17	.01	.18	1	14	210
R 140636	12	51	34	651	.3	78	22	1445	5.02	192	5	ND	21	84	10.2	165	2	36	.31	.150	64	28	.18	1165	.01	3	1.04	.01	.23	1	16	220
R 140637	20	94	101	404	1.9	55	6	178	2.94	259	9	ND	8	249	5.7	255	4	145	.27	.136	26	17	.06	716	.01	5	.68	.01	.21	1	39	310
R 140638	13	66	24	143	2.2	19	2	106	2.28	147	5	ND	6	115	2.9	118	2	57	.18	.078	19	11	.05	661	.01	7	.55	.01	.20	1	8	200
R 140639	15	64	24	163	2.1	30	3	121	1.82	84	5	ND	5	214	2.4	178	4	97	.39	.141	18	17	.09	775	.01	10	.91	.01	.28	1	180	250
R 140640	10	84	43	532	.7	75	19	1645	4.93	270	5	ND	8	209	10.1	178	2	33	.25	.161	29	23	.09	511	.01	4	1.03	.01	.19	1	49	120
R 140641	8	140	17	398	.1	69	10	279	3.69	125	5	ND	6	81	4.4	133	3	26	.09	.081	22	10	.05	286	.01	4	.90	.01	.15	1	21	50
R 140642	6	126	24	300	.1	63	15	350	3.07	70	5	ND	9	39	5.1	259	2	18	.09	.056	38	8	.06	323	.01	4	.76	.01	.19	1	2	140
R 140643	7	100	15	404	.2	68	18	598	3.94	31	5	ND	9	19	5.6	189	2	16	.09	.053	37	10	.06	396	.01	5	.69	.01	.20	1	7	80
R 140644	4	46	19	342	.2	77	16	437	3.04	21	5	ND	9	17	4.6	204	2	13	.13	.048	29	8	.10	347	.01	4	.73	.01	.17	1	3	70
R 140645	5	45	25	392	.2	73	17	642	3.27	29	5	ND	9	24	6.2	445	2	15	.12	.050	36	10	.07	343	.01	5	.68	.01	.18	1	2	80
R 140646	4	93	18	425	.4	52	12	393	3.23	226	6	ND	10	89	6.7	125	3	17	.14	.049	33	9	.11	405	.01	9	.86	.01	.21	1	520	60
STANDARD C/AU-R	18	61	42	135	7.2	73	31	1055	3.98	41	15	7	38	52	18.4	16	20	56	.52	.099	40	59	.89	182	.08	33	1.89	.06	.13	11	550	1500

BCTR90P-5

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	Hg ppb
R 140647	2	232	216	107	10.1	11	2	162	1.66	3853	5	3	1	264	42.2	29090	3	12	.69	.037	13	7	.05	600	.01	6	.48	.02	.17	1	5630	950
R 140648	4	151	42	536	.6	52	15	518	3.69	1576	5	ND	13	190	5.8	4405	2	53	.24	.098	32	26	.05	460	.01	3	.70	.01	.11	1	180	150
R 140649	3	212	42	458	.8	40	13	228	4.87	982	5	ND	21	68	4.4	710	2	52	.18	.121	56	32	.14	353	.01	4	1.01	.01	.18	1	80	130
R 140650	3	120	50	511	.9	47	16	627	4.85	1705	5	ND	18	74	9.4	714	4	32	.19	.113	51	21	.05	368	.01	2	.74	.01	.13	1	200	140
R 140651	2	67	488	218	10.3	15	3	153	3.60	3547	5	ND	17	195	6.4	1126	4	14	.14	.086	48	8	.05	643	.01	6	.56	.01	.22	1	500	240
R 140652	3	54	117	590	2.5	70	22	1563	4.63	1619	5	ND	18	87	6.8	983	2	55	.31	.131	52	47	.29	697	.03	4	.99	.01	.21	1	210	100
R 140653	2	66	650	739	10.2	50	13	1744	4.26	1629	5	ND	17	109	13.2	726	4	20	.18	.106	55	14	.04	507	.01	7	.55	.01	.17	1	270	460
R 140654	3	41	52	982	1.3	68	24	3646	4.26	1082	5	ND	20	55	6.8	1132	2	31	.31	.123	57	32	.25	680	.01	4	.81	.01	.16	1	108	140
R 140655	1	107	62	590	4.3	19	6	751	2.22	1400	5	ND	1	64	18.2	31964	2	13	.33	.039	19	12	.07	42	.01	5	.44	.01	.13	1	580	260
R 140656	2	41	78	319	1.8	30	7	243	2.29	1254	5	ND	10	57	1.5	2552	2	17	.12	.037	35	17	.09	529	.01	7	.57	.01	.18	1	470	140
R 140657	2	75	188	445	4.3	32	9	261	4.17	2315	5	ND	15	99	4.9	1870	2	29	.11	.077	45	19	.09	382	.01	6	.62	.01	.29	1	360	180
R 140658	2	70	108	702	6.4	77	22	499	4.82	1725	5	ND	21	74	10.3	1854	2	37	.15	.115	59	26	.10	816	.01	2	.74	.01	.16	1	510	120
R 140659	3	58	218	520	2.8	39	15	458	4.95	2959	5	ND	18	104	9.3	2398	3	33	.11	.111	57	26	.08	454	.01	4	.70	.01	.27	1	430	230
R 140660	4	90	2051	821	17.6	58	24	965	5.43	1657	5	ND	14	111	12.1	1947	2	43	.21	.131	45	41	.23	688	.01	6	.95	.01	.17	1	620	1200
R 140661	3	64	177	291	1.6	26	7	274	2.80	499	5	ND	10	77	2.6	882	3	17	.08	.044	32	5	.04	411	.01	4	.49	.01	.20	1	69	80
R 140662	3	63	47	317	.6	37	9	212	2.84	491	5	ND	8	105	1.5	515	2	23	.08	.063	28	10	.04	477	.01	6	.58	.01	.18	1	53	90
R 140663	5	25	31	33	2.8	8	2	69	.58	160	5	ND	6	38	.8	532	2	26	.09	.013	25	11	.03	526	.01	6	.28	.01	.14	2	35	140
R 140664	4	46	29	41	1.8	6	2	54	.59	155	5	ND	5	164	1.3	320	2	73	.12	.047	23	10	.04	995	.01	6	.41	.01	.17	2	116	200
R 140665	6	50	15	56	1.7	8	1	59	1.12	274	5	ND	5	67	.9	376	4	46	.10	.035	18	10	.04	709	.01	9	.41	.01	.22	2	83	190
R 140666	9	48	24	199	1.7	26	3	72	2.37	601	5	ND	5	118	1.3	802	2	51	.13	.054	19	8	.06	561	.01	3	.59	.01	.23	2	136	250
R 140667	9	23	29	92	2.3	7	2	39	1.38	359	5	ND	7	57	.8	637	5	41	.10	.026	22	7	.05	701	.01	8	.47	.01	.23	1	180	180
R 140668	5	15	23	33	1.9	4	1	22	.78	158	5	ND	6	43	.3	297	2	34	.08	.018	20	9	.04	661	.01	10	.43	.01	.23	2	180	130
R 140669	5	37	17	87	1.0	9	2	34	1.10	193	5	ND	5	200	.7	318	2	46	.13	.039	21	9	.04	770	.01	10	.43	.01	.20	3	45	100
R 140670	6	101	16	762	2.0	89	12	313	3.66	745	5	ND	4	140	.6	733	2	63	.13	.092	14	10	.05	896	.01	7	.78	.01	.16	1	112	200
R 140671	14	177	34	3556	1.7	172	34	2808	11.55	1748	5	ND	2	116	2.3	1841	3	96	.11	.144	9	14	.04	565	.01	3	.65	.01	.15	1	108	280
R 140672	13	149	28	1568	2.8	108	12	351	7.82	1973	5	ND	5	168	3.5	2447	2	148	.17	.148	13	14	.05	775	.01	8	.87	.01	.15	1	260	640
R 140673	6	55	60	105	4.4	21	4	123	1.17	510	5	ND	4	139	13.0	5931	2	33	.16	.035	11	10	.03	616	.01	10	.32	.01	.13	2	170	280
R 140674	5	66	25	81	2.9	10	2	110	1.56	739	5	ND	4	197	.9	1695	2	48	.12	.058	13	9	.04	835	.01	8	.45	.01	.15	2	114	260
R 140675	7	57	92	119	6.8	16	3	80	1.75	1094	5	ND	5	304	40.6	5969	2	44	.17	.076	16	10	.04	877	.01	8	.46	.01	.19	2	990	420
R 140676	4	53	39	90	1.6	10	2	77	1.54	683	5	ND	8	240	10.6	2759	3	24	.15	.049	28	9	.10	611	.01	6	.67	.01	.18	1	190	320
R 140677	6	88	31	220	1.2	25	4	96	3.06	990	14	ND	11	39	1.0	1069	8	25	.22	.052	30	19	.41	439	.01	22	1.60	.01	.47	14	49	100
R 140678	2	96	15	202	.2	35	8	184	2.84	832	5	ND	10	29	1.1	538	2	24	.20	.049	41	17	.30	462	.01	6	1.34	.01	.18	2	14	110
R 140679	6	56	16	76	.3	13	2	60	1.63	425	5	ND	7	62	.9	540	3	22	.11	.029	24	8	.03	519	.01	9	.39	.01	.15	2	33	170
R 140680	6	89	19	100	.6	15	2	71	1.45	651	5	ND	6	77	1.4	878	2	43	.16	.028	22	7	.04	454	.01	6	.59	.01	.14	2	56	240
R 140681	5	73	16	211	.6	22	4	89	2.01	814	5	ND	8	82	1.0	625	2	33	.11	.038	31	10	.05	458	.01	8	.67	.01	.18	2	15	230
R 140682	1	55	21	29	.3	7	1	57	.99	344	5	ND	5	32	1.2	175	2	15	.09	.028	18	8	.06	329	.01	8	.51	.01	.13	3	15	220
STANDARD C/AU-R	19	61	40	134	7.2	73	31	1055	3.97	41	21	7	38	52	18.5	16	21	56	.52	.099	39	61	.89	182	.07	37	1.89	.06	.14	11	530	1400

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	Hg ppb
R 140683	4	56	20	49	.5	8	1	59	1.42	505	5	ND	8	101	.7	327	2	38	.18	.035	23	9	.07	751	.01	7	.87	.01	.25	1	53	300
R 140684	6	55	18	45	.9	11	1	53	1.52	707	5	ND	7	115	.7	245	3	40	.15	.039	19	9	.05	666	.01	7	.74	.01	.22	1	135	190
R 140685	5	39	6	41	.6	8	1	69	2.23	1359	5	ND	3	40	1.5	360	3	21	.08	.045	10	5	.03	450	.01	8	.46	.01	.16	1	61	80
R 140686	7	60	25	54	5.0	10	1	67	2.35	2257	5	ND	5	90	4.0	591	3	37	.15	.082	9	9	.04	983	.01	5	.61	.01	.17	1	123	330
R 140687	9	83	79	77	14.6	13	2	118	3.53	3099	5	ND	7	83	3.1	1016	2	53	.18	.130	18	13	.05	1096	.01	8	1.01	.01	.23	1	270	600
R 140688	10	72	34	65	1.3	12	2	81	2.36	1881	5	ND	6	63	1.5	600	2	39	.15	.084	24	13	.05	1192	.01	9	.89	.01	.21	1	56	380
R 140689	10	61	33	39	2.3	4	1	40	1.99	671	5	ND	5	40	1.5	392	2	49	.13	.033	19	9	.04	526	.01	9	.60	.01	.28	1	69	400
R 140690	10	85	10	129	1.4	12	2	48	6.78	1887	5	ND	5	31	4.6	1604	2	77	.11	.096	14	9	.03	438	.01	10	.46	.01	.27	1	36	260
R 140691	11	122	6	175	.7	19	3	61	6.39	1849	5	ND	4	44	3.8	563	2	58	.12	.089	14	11	.03	1430	.01	9	.54	.01	.17	1	54	270
R 140692	7	38	16	37	.7	3	1	18	1.33	415	5	ND	5	20	.8	190	2	37	.08	.017	11	10	.04	1578	.01	14	.53	.01	.22	1	16	900
R 140693	8	78	9	58	1.0	8	2	39	2.68	390	5	ND	3	27	.6	173	2	128	.09	.021	9	10	.04	2436	.01	11	.44	.01	.15	1	13	920
R 140694	8	44	9	20	1.1	7	6	25	.94	356	5	ND	4	46	.8	80	2	376	.08	.078	14	52	.03	11642	.06	8	1.34	.03	.42	1	11	500
R 140695	10	47	16	30	1.2	10	19	120	1.84	592	5	ND	4	90	.3	212	2	168	.04	.059	17	58	.03	21842	.02	6	3.28	.08	.85	2	13	900
R 140696	12	95	15	23	1.1	7	3	28	1.11	224	5	ND	4	49	.9	110	2	129	.10	.027	21	22	.07	5252	.01	13	1.19	.02	.37	1	11	2100
R 140697	9	63	11	20	1.4	10	9	35	.93	248	5	ND	3	67	.5	92	4	276	.07	.044	12	46	.03	15068	.04	9	1.75	.03	.42	1	8	680
R 140698	15	103	10	39	1.4	16	3	34	.66	189	5	ND	4	34	.8	109	2	147	.13	.019	18	16	.04	3560	.01	13	.88	.01	.17	1	15	1300
R 140699	10	70	6	23	.6	8	2	45	.75	101	5	ND	4	27	.9	75	2	68	.14	.009	23	8	.03	2456	.01	10	.47	.01	.14	1	11	300
R 140700	10	34	8	72	.9	13	2	38	1.41	190	5	ND	4	121	.3	173	2	99	.92	.361	13	16	.04	1588	.01	16	.56	.01	.16	1	12	190
R 140701	6	44	8	24	.8	6	2	44	1.31	134	5	ND	3	29	.4	71	2	56	.07	.025	16	9	.03	1550	.01	9	.39	.01	.14	1	9	280
R 140702	17	71	11	78	.7	12	3	56	3.08	399	5	ND	4	31	1.4	229	4	83	.12	.040	15	12	.05	1525	.01	11	.61	.01	.19	1	15	320
R 140703	18	67	18	89	.8	13	4	74	4.07	493	5	ND	5	40	1.2	362	2	85	.11	.050	18	10	.04	1675	.01	12	.60	.01	.18	1	15	480
R 140704	8	49	18	34	.4	9	2	34	.87	112	5	ND	6	39	.7	79	3	54	.13	.013	31	11	.04	1601	.01	12	.63	.01	.28	1	11	170
R 140705	3	38	19	47	.5	9	2	48	2.21	215	5	ND	7	28	.2	90	2	24	.06	.029	22	5	.03	1002	.01	12	.51	.01	.15	1	15	160
R 140706	3	27	13	30	.7	10	1	33	1.33	134	5	ND	5	21	.3	59	3	12	.03	.018	12	8	.02	919	.01	7	.29	.01	.09	1	5	90
R 140707	2	22	17	47	.3	7	2	41	1.07	166	5	ND	9	40	.3	87	2	16	.09	.025	33	9	.05	928	.01	10	.78	.01	.19	1	12	80
R 140708	2	18	20	50	.1	8	2	28	.92	315	5	ND	12	45	.8	89	2	17	.12	.031	44	11	.07	857	.01	11	.99	.01	.25	1	9	60
R 140709	3	23	16	41	.3	7	2	25	1.06	219	5	ND	9	71	.4	86	2	16	.12	.031	33	10	.06	1157	.01	11	.86	.01	.23	1	9	110
R 140710	4	24	4	24	.3	12	1	40	1.12	149	5	ND	3	56	.2	76	2	15	.06	.027	10	8	.01	780	.01	7	.28	.02	.07	1	4	70
R 140711	2	20	13	10	.3	6	1	29	1.03	77	5	ND	6	46	.2	43	2	14	.09	.018	24	6	.04	866	.01	10	.44	.04	.16	1	5	80
R 140712	7	23	15	18	.6	14	1	29	1.34	59	5	ND	5	54	.2	37	2	37	.12	.020	19	9	.04	609	.01	10	.41	.03	.15	1	3	150
R 140713	14	61	6	14	.5	12	2	36	.87	137	5	ND	3	28	.2	54	2	47	.17	.015	17	6	.03	1143	.01	12	.45	.01	.14	1	5	90
R 140714	1	957	28	464	23.6	29	1	94	1.33	265	5	6	1	328	80.1	40176	2	7	2.88	.005	2	9	.06	54	.01	4	.51	.08	.08	1	5140	1600
R 140715	1	62	95	280	2.4	12	2	79	2.29	6056	5	ND	1	119	17.4	22908	2	8	.39	.051	28	5	.04	1016	.01	4	.40	.01	.17	1	1240	250
R 140716	7	112	25741	371	9.7	15	1	32	.76	242	5	ND	1	49	5.5	5106	2	11	.12	.024	2	11	.01	178	.01	6	.16	.01	.05	1	108	57000
R 140717	3	91	11378	370	6.9	6	1	73	.94	81	5	ND	1	30	3.2	532	2	9	.03	.017	2	6	.01	158	.01	6	.14	.01	.05	1	29	32000
R 140718	3	76	74	535	3.4	70	4	116	1.17	460	5	5	1	77	8.5	34030	2	9	.48	.012	8	7	.02	51	.01	5	.34	.01	.04	1	4930	22000
STANDARD C/AU-R	18	60	41	132	7.2	72	31	1056	3.98	43	21	7	36	53	18.7	16	19	56	.52	.097	37	59	.89	181	.07	34	1.89	.06	.14	13	520	1600

BCTR 90P-5

140716 - 717 Grab, vein on road (extra zone)

140718 Grab, Road to RC #157 (sb+qtz)

REVERSE
CIRCULATION

BCRC 90-15

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	Hg ppb
016251 DR	5	97	24	272	.8	33	5	90	2.00	1014	5	ND	7	78	3.1	120	2	22	.07	.052	24	11	.02	844	.01	6	.43	.01	.05	1	310	3200
016252 DR	3	106	29	213	1.2	35	4	52	1.75	870	5	ND	8	93	2.8	187	3	30	.05	.058	27	10	.01	471	.01	8	.44	.01	.04	1	580	2500
016253 DR	3	86	22	108	2.0	26	3	72	1.12	429	5	ND	3	84	3.0	551	2	27	.04	.042	12	10	.01	550	.01	2	.29	.01	.03	1	350	2300
016254 DR	6	112	36	274	1.4	46	11	264	2.24	376	5	ND	4	100	4.1	535	3	93	.09	.081	14	19	.02	1022	.01	9	.58	.01	.07	1	270	3800
016255 DR	7	88	30	396	1.8	49	13	256	2.77	642	7	ND	6	199	5.9	281	2	113	.69	.346	21	35	.03	1782	.01	16	.82	.01	.11	1	220	4600
016256 DR	6	124	29	310	2.6	51	8	180	2.0	327	8	ND	3	289	4.0	210	3	139	1.34	.627	17	62	.03	2192	.01	22	.96	.01	.10	1	106	5700
016257 DR	5	82	23	386	1.7	48	6	218	2.02	115	5	ND	5	183	2.2	100	2	83	1.25	.546	19	40	.03	1149	.01	8	.90	.01	.10	1	19	2700
016258 DR	7	61	15	327	.8	56	8	274	2.20	125	5	ND	5	68	1.8	125	2	54	.25	.133	18	57	.03	681	.01	5	.49	.01	.10	1	44	1400
016259 DR	10	65	17	482	.3	81	12	889	3.42	151	5	ND	10	62	3.2	139	3	63	.13	.111	28	90	.04	883	.01	10	.64	.01	.14	1	20	2500
016260 DR	7	66	10	359	.4	57	13	719	2.41	144	5	ND	6	51	2.7	120	2	36	.13	.090	21	23	.03	630	.01	10	.53	.01	.12	1	32	1500
016261 DR	10	66	22	514	.6	63	13	638	3.31	153	5	ND	9	134	3.5	80	2	45	.17	.174	31	40	.03	1739	.01	8	.65	.01	.11	1	42	1900
016262 DR	7	55	27	449	.4	42	7	372	2.74	63	7	ND	10	202	2.3	41	2	61	1.04	.506	36	30	.03	1859	.01	18	.84	.01	.12	1	13	1600
016263 DR	5	91	19	266	.9	42	4	169	1.39	70	5	ND	2	303	1.7	31	2	68	1.36	.684	14	54	.02	2981	.01	10	.61	.01	.08	1	6	1300
016264 DR	6	63	33	597	.3	60	12	398	3.22	55	5	ND	7	99	2.4	21	2	46	.27	.167	22	21	.02	1085	.01	16	.61	.01	.07	1	9	1100
016276 DR	5	133	51	292	1.7	33	10	120	3.43	2180	7	ND	19	167	7.5	1377	2	79	.13	.181	47	20	.02	757	.01	6	.56	.01	.08	1	890	4900
016277 DR	5	157	58	306	2.3	36	9	98	3.49	2119	5	ND	18	179	7.0	1284	2	60	.12	.100	50	20	.02	787	.01	3	.57	.01	.08	1	1060	4300
016278 DR	4	130	41	203	1.7	23	4	64	2.52	1747	5	ND	10	94	6.1	568	2	58	.09	.064	30	13	.01	522	.01	7	.42	.01	.07	1	1480	3100
016279 DR	4	108	46	264	1.9	38	10	107	2.67	1636	5	ND	10	137	9.3	596	2	78	.09	.078	29	12	.01	519	.01	3	.48	.01	.06	1	1650	2500
016280 DR	7	151	13	318	3.0	54	8	76	2.85	774	6	ND	3	394	6.4	332	2	257	.17	.309	12	57	.02	5179	.01	14	.80	.01	.05	1	1710	4800
016281 DR	10	66	35	558	.9	62	12	640	3.74	168	9	ND	9	278	5.5	232	5	161	.25	.283	26	33	.03	3965	.01	4	.93	.01	.11	1	76	1500
016282 DR	11	34	29	602	.2	65	10	1102	4.38	214	7	ND	11	109	5.8	246	2	94	.10	.121	29	18	.03	1682	.01	5	.66	.01	.09	1	20	800
016283 DR	13	75	47	785	.6	110	17	1027	5.96	285	8	ND	10	161	5.6	331	2	138	.08	.176	45	124	.03	2587	.01	2	.76	.01	.08	1	50	3300
016284 DR	15	28	52	594	.5	72	11	1422	4.21	156	5	ND	10	119	4.6	182	4	70	.08	.124	33	24	.02	1883	.01	6	.61	.01	.09	1	38	1400
016285 DR	12	26	47	661	.2	72	11	775	4.36	176	5	ND	9	97	4.8	138	2	64	.08	.099	25	20	.02	1479	.01	4	.62	.01	.08	1	27	1000
016286 DR	7	35	23	328	2.0	50	4	184	1.86	131	5	ND	2	49	2.6	124	2	40	.05	.045	6	22	.01	717	.01	6	.21	.01	.05	1	19	1700
016287 DR	6	56	5	266	1.2	49	3	890	1.15	40	5	ND	1	142	4.2	33	2	77	2.83	.121	6	28	1.59	1330	.01	14	.26	.01	.04	1	9	1600
016288 DR	9	69	39	404	2.2	64	4	245	1.37	55	5	ND	1	312	4.8	51	2	115	.66	.379	10	68	.10	3871	.01	22	.57	.01	.06	1	20	4300
016289 DR	9	48	48	693	.3	59	16	759	4.79	181	7	ND	14	73	6.2	26	3	69	.10	.074	42	23	.05	747	.01	9	.55	.01	.09	1	9	1050
016290 DR	16	85	27	647	.5	65	13	461	4.02	114	5	ND	12	116	5.3	34	2	137	.26	.108	37	48	.06	1282	.01	2	.55	.01	.10	1	16	2600
016301 DR	9	105	65	442	1.3	55	18	467	4.39	3000	7	2	23	154	10.6	1589	8	70	.20	.137	64	30	.03	1633	.01	8	.71	.01	.10	1	1880	4500
016302 DR	7	54	55	292	1.0	36	8	139	3.56	5184	5	2	11	79	2.0	727	2	31	.16	.065	38	12	.03	1182	.01	8	.47	.01	.12	1	2080	3900
016303 DR	6	41	53	179	.7	23	5	67	3.51	5448	5	2	12	79	1.7	1386	2	27	.14	.067	44	11	.02	1117	.01	7	.48	.01	.11	1	1890	4000
016304 DR	4	40	55	159	1.3	16	5	42	3.08	3878	5	3	12	73	.9	1359	2	36	.12	.050	41	13	.02	752	.01	10	.44	.01	.10	1	2440	6800
016305 DR	7	101	116	177	2.0	18	4	30	4.01	4240	6	ND	12	123	2.5	1159	2	29	.15	.076	45	13	.02	739	.01	6	.49	.01	.09	1	1490	7200
016306 DR	5	61	49	129	1.3	12	4	37	3.19	3658	5	2	10	117	.7	1122	2	32	.10	.053	34	12	.02	736	.01	11	.39	.01	.09	1	1370	5400
016307 DR	5	67	31	130	1.4	14	4	42	2.94	3827	5	3	12	108	3.8	755	2	24	.10	.047	31	10	.01	719	.01	5	.39	.01	.08	1	3030	4900
STANDARD C/AU-R	18	63	40	133	7.2	70	30	1030	4.11	40	23	7	36	47	18.4	15	19	59	.52	.098	36	59	.92	179	.08	37	1.97	.05	.14	13	480	1400

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BCRC 90-17

Noranda Exploration Co. Ltd. P P 9007-007 FILE # 90-2112

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	Hg ppb
016308 DR	4	88	30	129	1.0	15	3	30	2.81	2562	5	ND	14	121	14.2	832	2	29	.11	.054	39	10	.01	411	.01	8	.45	.01	.06	2	930	2900
016309 DR	9	99	57	262	1.2	40	5	60	3.20	1564	5	ND	8	249	8.2	1278	2	31	.10	.083	22	14	.01	538	.01	13	.47	.01	.05	1	680	1600
016310 DR	11	54	38	63	.7	13	2	24	.90	319	5	ND	3	119	1.2	107	2	82	.14	.050	8	14	.01	1020	.01	9	.37	.01	.06	1	105	6200
016311 DR	18	66	42	194	1.1	28	4	54	2.54	185	5	ND	6	228	2.0	83	3	248	.13	.146	16	41	.02	3371	.01	10	.80	.01	.09	1	41	6800
016312 DR	13	89	62	404	.8	43	5	57	3.37	193	6	ND	8	134	4.8	190	2	175	.10	.091	22	40	.03	1850	.01	8	.74	.01	.08	1	31	3500
016313 DR	12	76	53	607	.3	47	7	186	3.29	207	6	ND	10	98	7.3	72	2	98	.07	.063	31	19	.02	1484	.01	11	.61	.01	.09	1	29	1200
016314 DR	5	44	52	1066	.1	80	16	632	3.83	94	7	ND	14	57	17.4	41	2	29	.05	.033	34	18	.02	831	.01	9	.66	.01	.08	1	24	600
016315 DR	7	30	43	492	.1	25	7	150	3.19	64	5	ND	11	49	3.8	27	2	34	.05	.030	36	15	.02	540	.01	4	.55	.01	.09	2	13	1100
016326 DR	6	58	62	106	.6	30	3	66	2.07	733	5	ND	9	146	3.9	289	2	25	.07	.053	28	20	.02	1026	.01	9	.36	.01	.12	1	162	1500
016327 DR	3	26	34	95	1.1	15	3	31	1.31	618	5	ND	8	65	1.1	569	2	24	.05	.030	30	10	.01	1855	.01	5	.35	.01	.09	1	760	2300
016328 DR	3	36	81	60	3.1	8	2	25	2.23	6062	5	6	11	63	1.2	2434	2	23	.09	.046	35	11	.01	997	.01	4	.45	.01	.08	1	5090	6500
016329 DR	7	36	57	215	1.2	17	6	75	5.12	4939	5	ND	10	81	2.1	2775	2	38	.16	.066	32	13	.02	978	.01	10	.60	.01	.09	1	1320	3800
016330 DR	7	27	39	177	.3	15	4	46	4.00	2687	5	ND	13	71	.2	1405	2	38	.11	.061	37	14	.02	960	.01	8	.64	.01	.11	1	530	2400
016331 DR	8	36	45	234	.3	20	6	56	4.72	3448	5	ND	16	75	1.1	1474	3	32	.13	.067	43	13	.02	924	.01	6	.54	.01	.10	1	710	3000
016332 DR	6	38	56	199	.8	18	5	85	4.19	4051	5	2	14	67	3.0	1204	2	37	.11	.051	29	13	.01	614	.01	5	.41	.01	.08	3	2170	4400
016333 DR	4	44	58	277	.7	25	12	174	2.98	2684	5	2	14	72	1.8	422	2	33	.09	.044	42	12	.02	606	.01	5	.48	.01	.10	2	2220	4200
016334 DR	5	41	77	182	.6	12	6	58	3.23	2656	5	ND	15	90	.2	609	2	32	.10	.046	40	12	.02	716	.01	9	.48	.01	.10	1	1060	3100
016335 DR	3	32	41	162	.8	14	6	71	3.14	6538	5	2	15	173	1.0	145	2	37	.10	.050	44	14	.02	840	.01	7	.53	.01	.13	2	2520	6600
016336 DR	5	64	40	258	.7	23	6	68	4.21	5257	5	ND	11	95	2.4	893	2	43	.09	.055	35	13	.02	661	.01	6	.47	.01	.10	1	2170	6400
016337 DR	9	70	43	110	1.4	19	3	37	2.40	1188	5	ND	3	158	4.5	3475	2	79	.10	.082	11	19	.02	1950	.01	10	.47	.01	.05	1	440	3600
016338 DR	6	57	41	683	.6	68	11	602	3.46	224	5	ND	7	191	5.8	158	3	81	.70	.114	25	24	.22	1851	.01	9	.70	.01	.09	1	18	2100
016339 DR	3	22	45	289	.2	21	7	600	3.34	250	5	ND	7	199	1.2	395	2	35	1.93	.040	24	11	.68	689	.01	4	.52	.01	.08	1	81	950
016340 DR	12	100	27	702	1.4	81	12	620	3.05	91	5	ND	8	246	10.3	52	2	138	1.95	.315	29	53	.66	1780	.01	12	.73	.01	.13	2	20	1800
016351 DR	6	44	33	218	.1	51	12	303	4.75	999	5	ND	11	95	.2	159	2	27	.27	.079	43	11	.05	1005	.01	7	.56	.01	.17	1	145	780
016352 DR	3	21	28	150	.1	24	10	690	3.95	1984	7	ND	14	46	.2	83	2	21	1.13	.111	50	10	.05	518	.01	6	.47	.01	.14	1	230	840
016353 DR	3	39	35	224	.1	45	19	677	4.58	995	5	ND	14	80	1.1	231	2	31	.21	.110	48	10	.03	1590	.01	11	.65	.01	.10	1	166	1200
016354 DR	2	19	26	174	.2	27	13	1041	4.21	770	5	ND	15	71	.2	111	2	27	.79	.092	47	12	.04	621	.01	7	.57	.01	.09	1	154	1100
016355 DR	2	24	83	226	.2	26	12	797	4.07	663	5	ND	15	68	.2	537	2	38	1.69	.092	47	16	.05	725	.01	5	.63	.01	.08	2	80	2100
016356 DR	2	16	37	170	.1	19	10	652	4.02	415	5	ND	15	72	.2	377	2	25	.75	.070	49	10	.04	1297	.01	9	.59	.01	.08	1	66	950
016357 DR	2	18	33	164	.1	19	11	776	3.94	444	5	ND	13	43	.2	129	2	23	.88	.105	47	12	.05	605	.01	10	.53	.01	.12	1	87	1200
016358 DR	5	45	19	230	.1	53	11	198	3.49	83	5	ND	7	101	.2	54	2	30	.26	.052	26	11	.03	1029	.01	10	.49	.01	.13	1	17	920
016359 DR	4	22	38	208	.1	42	12	397	3.84	190	5	ND	8	89	.2	87	2	23	.16	.043	31	12	.03	764	.01	5	.48	.01	.11	1	43	1700
016360 DR	4	20	32	333	.2	46	14	892	4.55	574	5	ND	11	61	.2	169	2	27	.75	.036	35	18	.04	628	.01	8	.58	.01	.09	1	39	2100
016361 DR	6	20	40	502	.2	51	16	1417	5.02	863	5	ND	14	112	.2	233	2	27	.60	.086	46	18	.10	1192	.01	7	.65	.01	.09	1	48	1600
016362 DR	4	20	21	412	.1	38	12	744	4.22	774	5	ND	13	151	.2	158	2	27	2.13	.079	40	19	.30	908	.01	3	.58	.01	.10	1	25	2100
016363 DR	4	19	34	495	.1	43	14	858	4.34	751	5	ND	11	148	.2	284	2	29	1.89	.035	33	18	.24	751	.01	6	.55	.01	.08	1	23	1400
STANDARD C/AU-R	17	61	38	133	7.2	67	29	1030	4.09	41	18	6	36	47	18.1	15	17	57	.52	.094	35	57	.92	176	.07	34	1.97	.05	.13	14	480	1500

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BCRC 90-19

Noranda Exploration Co. Ltd. P T 9007-007 FILE # 90-2112 P

BCRC 90-20

BCRC 90-21

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	Hg ppb
016364 DR	5	19	36	570	.2	55	14	1008	4.76	839	5	ND	11	137	.7	298	3	76	2.14	.042	37	16	.15	937	.01	2	.68	.01	.09	1	34	1700
016365 DR	6	57	92	581	1.0	60	2	1081	5.59	1716	5	ND	12	259	1.3	433	2	91	2.9	.067	43	52	.34	1223	.01	9	.64	.01	.05	1	510	1900
016376 DR	4	31	55	175	1.9	20	7	197	3.83	7838	5	3	11	108	1.8	648	2	40	.0	.043	38	15	.03	1611	.01	2	.48	.01	.09	1	2980	4400
016377 DR	3	37	89	311	1.3	24	8	241	4.04	6166	6	2	12	135	3.6	327	2	40	.2	.044	39	14	.02	1188	.01	2	.57	.01	.09	2	2300	5600
016378 DR	3	32	77	405	1.6	23	11	314	4.37	7660	6	3	13	99	5.1	285	2	29	.1	.040	40	12	.02	886	.01	3	.55	.01	.08	1	3090	4600
016379 DR	3	27	77	557	1.5	26	12	925	4.29	3722	5	ND	10	70	4.5	7283	2	31	.5	.050	35	12	.02	794	.01	9	.52	.01	.08	2	1510	4300
016380 DR	2	24	56	416	1.2	32	12	717	3.71	3960	5	ND	13	94	4.1	160	2	31	.6	.069	45	12	.03	904	.01	2	.64	.01	.10	1	1800	1800
016381 DR	2	29	53	214	.8	22	11	565	2.97	3734	5	2	11	110	2.8	158	2	29	.5	.043	40	11	.05	799	.01	7	.61	.01	.11	1	2150	1400
016382 DR	2	18	37	219	.3	21	10	830	4.09	1909	5	ND	12	220	.7	59	5	23	3.9	.114	45	9	.58	678	.01	10	.63	.01	.12	1	460	1050
016383 DR	3	31	27	273	.6	38	12	582	3.77	4056	5	ND	13	244	1.5	137	2	27	1.7	.097	48	12	.28	507	.01	5	.71	.01	.14	1	1270	1700
016384 DR	6	25	38	227	.9	21	10	157	4.54	1354	5	ND	11	81	.2	10951	3	23	.4	.058	38	9	.03	542	.01	6	.54	.01	.08	1	320	2100
016385 DR	3	27	35	378	.5	39	13	578	3.99	2825	6	ND	17	119	5.3	1708	2	27	.5	.073	55	10	.03	807	.01	3	.80	.01	.09	1	620	1100
016386 DR	5	27	36	516	.7	40	14	937	4.47	2077	5	ND	16	82	2.2	4991	3	30	.4	.066	49	12	.03	922	.01	6	.70	.01	.09	1	330	1500
016387 DR	3	22	31	225	1.0	22	5	152	2.68	1864	5	ND	12	191	5.0	2146	2	30	.0	.039	38	11	.01	954	.01	4	.47	.01	.07	1	1030	1200
016388 DR	3	33	13	90	1.0	16	2	33	1.94	1950	5	ND	7	222	2.4	1981	2	30	.4	.045	26	14	.01	400	.01	2	.46	.01	.05	1	1340	1800
016389 DR	7	85	21	72	2.5	21	2	17	1.28	607	7	ND	3	568	4.7	3977	2	265	.4	.271	15	54	.01	3081	.01	3	.81	.01	.05	1	550	4600
016390 DR	38	70	29	895	2.4	125	11	424	2.63	196	6	ND	5	333	9.1	106	2	37	.2	.248	19	37	.04	2636	.01	5	.98	.01	.08	1	33	5600
016391 DR	4	32	51	287	.6	43	13	676	4.44	2404	5	ND	14	67	3.3	5898	5	41	.2	.037	40	21	.03	1056	.01	10	.63	.01	.07	1	1230	4600
016392 DR	5	57	43	337	.4	78	23	1474	6.39	2480	5	ND	17	93	4.1	1558	8	85	1.0	.065	49	81	.06	1389	.01	6	.80	.01	.06	2	760	5400
016393 DR	4	24	54	276	.1	41	13	796	4.50	1950	5	ND	15	73	1.1	701	2	49	.5	.047	44	27	.06	1007	.01	2	.76	.01	.07	1	174	1500
016394 DR	4	39	42	319	.2	57	17	891	5.03	2046	5	ND	14	66	2.0	881	2	51	.4	.037	37	37	.06	787	.01	2	.76	.01	.08	1	320	3100
016395 DR	4	26	34	265	.1	37	13	862	4.60	1495	5	ND	17	51	.4	816	3	40	.8	.107	55	25	.08	615	.01	3	.76	.01	.11	1	260	2000
016396 DR	5	37	52	291	.1	40	12	696	4.58	1169	5	ND	15	47	.1	477	2	36	.8	.118	54	17	.07	606	.01	2	.75	.01	.12	1	120	1700
016397 DR	10	50	36	238	.8	60	5	103	2.35	282	5	ND	6	253	2.1	292	2	181	.4	.093	20	18	.04	1679	.01	15	.60	.01	.14	1	38	3200
016398 DR	9	62	29	567	2.1	82	12	191	3.18	797	5	ND	7	174	5.4	3867	2	141	.2	.090	22	33	.03	2392	.01	12	.76	.01	.09	1	410	3500
016399 DR	5	29	43	341	.9	40	15	470	4.64	2897	5	ND	10	66	1.1	2089	2	49	.1	.043	32	19	.03	869	.01	3	.59	.01	.09	1	850	3600
016400 DR	5	36	45	440	1.0	40	15	849	4.90	2450	5	ND	12	70	1.4	2363	2	42	.1	.051	37	20	.04	953	.01	3	.58	.01	.09	1	660	4500
016401 DR	6	29	48	593	1.5	51	15	863	4.35	2960	8	ND	10	96	1.3	7957	2	39	.2	.053	35	20	.04	874	.01	5	.61	.01	.09	1	1560	3100
016402 DR	3	19	34	267	1.2	23	9	689	3.47	3952	5	3	7	284	1.3	2824	2	40	2.1	.048	25	16	.96	413	.01	2	.49	.01	.07	1	3310	3200
016403 DR	5	29	80	397	2.4	28	8	582	3.28	3262	5	2	5	257	5.2	5648	2	35	1.7	.046	23	15	.80	187	.01	2	.46	.01	.07	1	2530	3800
016404 DR	7	50	23	579	4.7	41	5	230	1.37	1368	5	ND	2	193	4.8	11455	2	9	.4	.059	9	23	.12	660	.01	2	.37	.01	.04	2	1940	6300
016405 DR	11	52	7	363	4.8	58	6	149	1.01	271	5	ND	2	481	5.7	1255	2	34	.4	.609	12	65	.06	6256	.01	9	.91	.01	.06	1	260	8800
016406 DR	15	87	28	481	2.9	65	7	491	2.47	176	7	ND	4	400	5.1	432	2	214	3.1	.249	18	107	1.22	2421	.01	6	.72	.01	.07	1	35	6600
016407 DR	46	117	59	644	1.7	81	5	260	2.37	121	5	ND	3	313	5.4	154	2	305	1.2	.184	12	37	.40	1544	.01	15	.68	.01	.10	1	15	3700
016408 DR	5	37	49	451	.6	47	13	936	4.21	1835	5	ND	12	62	7.0	1794	2	37	.1	.043	42	16	.04	883	.01	4	.59	.01	.07	1	390	2800
016409 DR	5	27	31	226	.4	25	9	550	3.83	3251	5	ND	13	82	3.8	535	2	37	.2	.062	47	11	.03	1120	.01	2	.58	.01	.09	1	620	1300
STANDARD C/AU-R	18	60	40	132	7.1	68	29	1027	4.03	38	22	6	36	48	11.4	15	19	55	.5	.092	37	56	.90	176	.07	33	1.95	.06	.13	12	520	1500

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	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	Hg ppb
016410 DR	5	44	58	318	.4	48	20	996	4.61	1648	5	ND	14	82	2.6	998	3	51	.21	.056	45	35	.05	1473	.01	4	.67	.01	.08	2	470	2400
016411 DR	3	41	32	227	.6	41	16	757	4.34	1451	5	ND	12	82	1.4	2524	3	52	1.66	.039	36	40	.10	824	.01	2	.62	.01	.06	1	650	3600
016412 DR	4	31	45	275	.6	38	14	757	4.66	1443	5	ND	13	96	2.2	3390	2	39	1.65	.043	44	20	.13	903	.01	8	.64	.01	.08	1	500	2300
016413 DR	4	22	32	238	.6	30	12	685	4.53	1814	5	ND	15	84	.5	4462	3	36	.72	.055	47	15	.06	967	.01	6	.64	.01	.07	1	660	2700
016414 DR	5	44	48	356	.6	40	14	665	4.70	2444	5	2	15	95	1.2	15251	4	50	.29	.047	49	18	.04	939	.01	7	.67	.01	.06	2	1380	2800
016415 DR	33	70	46	405	2.3	57	11	338	4.04	2013	5	ND	8	100	3.0	4397	3	140	.27	.066	29	30	.04	948	.01	11	.67	.01	.07	5	650	4600
016416 DR	6	36	31	318	.7	63	15	558	4.15	2043	5	ND	9	66	1.7	1407	3	34	.52	.068	36	18	.04	723	.01	6	.75	.01	.08	1	540	2600
016417 DR	6	22	36	269	.4	36	13	792	3.99	1156	5	ND	10	103	.9	574	3	30	1.65	.082	40	16	.17	869	.01	3	.64	.01	.08	1	250	1600
016418 DR	6	20	50	437	.3	44	13	778	4.14	1212	5	ND	10	137	.9	539	2	28	1.88	.083	40	16	.26	871	.01	5	.64	.01	.09	1	300	2400
016419 DR	4	19	39	278	.3	30	11	708	3.62	527	5	ND	8	214	.9	380	2	25	2.48	.077	28	17	.81	422	.01	2	.64	.01	.08	1	57	2000
016420 DR	4	17	40	203	.6	28	11	625	3.54	1424	5	ND	7	211	.2	363	2	27	2.02	.086	27	15	.66	363	.01	2	.53	.01	.08	1	450	1900
016421 DR	4	18	33	240	.2	23	11	688	3.45	1559	5	ND	8	281	.2	239	2	28	3.11	.097	31	16	1.10	258	.01	2	.62	.01	.09	1	48	4000
016422 DR	7	49	44	487	2.2	50	10	517	3.05	798	5	ND	6	299	2.4	3876	2	75	1.61	.128	25	28	.54	756	.01	2	.80	.01	.08	1	1700	4200
016423 DR	10	100	29	360	3.1	67	5	293	2.36	2196	5	ND	5	469	4.9	874	2	224	1.46	.336	23	63	.50	97	.01	2	.86	.01	.04	1	2100	8000
016424 DR	9	77	33	344	2.9	42	7	384	2.92	3177	5	ND	6	414	9.9	719	2	208	2.03	.198	21	33	.86	62	.01	3	.72	.01	.04	1	2480	9100
016425 DR	17	131	19	520	4.3	76	5	223	2.42	897	5	ND	4	455	11.3	409	2	406	1.23	.352	18	74	.47	234	.01	13	.88	.01	.06	5	550	15000
016426 DR	20	103	29	495	3.5	70	8	269	2.68	702	5	ND	6	273	6.8	109	2	210	1.55	.371	21	56	.38	107	.01	10	.96	.01	.15	1	12	7200
016427 DR	17	206	8	568	4.1	72	4	132	1.61	172	8	ND	2	506	11.3	98	2	495	2.52	.955	18	112	.29	1986	.01	25	.89	.01	.12	1	1	15000
016428 DR	12	115	12	371	3.7	49	4	100	1.41	178	6	ND	3	410	4.9	88	2	293	2.23	.823	20	92	.25	1611	.01	23	.79	.01	.11	1	4	9600
016429 DR	9	109	5	239	3.3	35	2	52	1.14	130	5	ND	2	383	2.9	65	2	192	2.18	.903	18	111	.07	1148	.01	24	.68	.01	.10	1	7	4600
016430 DR	13	160	9	674	3.9	105	5	234	1.83	89	5	ND	3	329	15.1	72	2	290	3.10	.656	14	85	.92	62	.01	24	.74	.01	.09	1	8	5000
016431 DR	16	134	15	836	2.6	93	6	407	2.29	125	6	ND	5	382	13.2	90	2	278	3.16	.619	24	91	.85	59	.01	14	.90	.01	.08	1	4	7200
STANDARD C/AU-R	18	60	38	132	7.3	67	29	1021	4.13	137	17	7	37	47	18.3	16	23	57	.52	.100	36	56	.93	177	.07	36	2.00	.05	.13	13	510	1400

ISRC YU-A58

ACME AN[illegible]TICAL LABORATORIES LTD. 852 E. HASTINGS ST. [illegible]COUVER B.C. V6A 1R6 PHONE(604)253-3158 FA[illegible]04)253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9007-019 File # 90-2261 Page 1

P.O. Box 2380, 1050 Davie St., Vancouver BC V6B 3T5

BCRC 90-23

BCRC 90-24

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	Hg ppb
016433 DR	6	32	38	260	1.2	37	10	702	3.25	657	5	ND	9	62	4.7	1262	5	47	.12	.034	31	13	.04	1993	.01	5	.51	.01	.09	1	410	2300
016434 DR	3	23	33	183	.6	22	11	775	3.51	1160	5	ND	13	85	1.4	3611	3	43	1.36	.063	46	15	.05	1067	.01	8	.57	.01	.09	2	1450	1700
016435 DR	3	29	40	171	1.5	30	12	779	3.67	2707	5	ND	11	104	1.6	6048	2	46	.37	.096	46	13	.03	1148	.01	6	.55	.01	.10	1	2140	1500
016436 DR	11	54	21	268	.6	49	9	212	3.20	718	5	ND	6	134	1.4	932	3	80	.27	.048	24	11	.04	650	.01	10	.40	.01	.20	1	200	4400
016437 DR	25	47	22	229	.7	61	11	439	2.99	541	5	ND	5	121	.4	849	2	150	.34	.053	22	12	.04	710	.01	8	.44	.01	.18	1	117	2700
016438 DR	37	55	20	145	1.4	58	4	121	3.24	1386	6	ND	4	303	1.2	519	5	337	.56	.139	14	21	.04	433	.01	19	.53	.01	.25	1	44	9600
016439 DR	18	38	35	232	1.6	44	6	155	4.01	1968	5	ND	5	342	.5	615	2	251	.36	.134	20	20	.04	390	.01	23	.58	.01	.25	1	111	3300
016440 DR	5	32	40	225	1.0	38	14	691	4.38	5289	5	ND	9	73	1.9	405	2	46	.20	.044	35	17	.03	581	.01	9	.53	.01	.11	2	1380	2600
016441 DR	6	28	62	256	.8	36	14	787	4.12	3109	5	ND	8	55	1.5	592	3	41	.14	.030	31	19	.03	500	.01	6	.50	.01	.10	1	1020	3500
016442 DR	3	25	47	329	1.0	38	13	849	3.63	2582	5	ND	8	68	1.6	686	2	36	.98	.025	27	16	.06	465	.01	2	.47	.01	.09	1	1070	1700
016443 DR	3	26	46	192	2.9	24	11	767	3.72	3254	5	2	7	189	1.2	769	2	47	1.99	.018	25	17	.60	283	.01	2	.36	.01	.06	1	2650	2500
016444 DR	6	18	42	436	.3	41	13	608	4.06	2156	5	ND	9	116	.7	818	2	30	.59	.049	35	13	.24	511	.01	5	.47	.01	.11	1	790	1800
016445 DR	4	19	37	219	1.1	25	9	638	3.66	4439	5	2	11	256	1.4	562	2	32	1.80	.119	40	14	.65	280	.01	2	.37	.01	.13	1	2080	1700
016446 DR	4	23	35	338	.5	37	11	702	3.60	2764	5	ND	10	230	1.4	350	3	28	1.72	.122	39	12	.63	277	.01	5	.48	.01	.15	1	880	1500
016447 DR	5	22	43	367	.3	37	12	866	3.58	349	5	ND	7	376	2.1	246	2	24	2.32	.098	27	13	.97	92	.01	9	.52	.01	.14	1	58	2200
016448 DR	11	54	30	308	2.4	53	4	128	1.42	416	5	ND	3	503	4.1	473	2	200	.80	.268	14	28	.15	1204	.01	10	.69	.01	.09	1	290	8700
016449 DR	15	68	11	331	1.7	55	3	42	1.21	170	8	ND	2	564	6.1	374	2	323	2.01	.806	14	53	.06	1099	.01	23	.75	.01	.15	1	29	6500
016451 DR	3	19	31	113	.1	14	7	576	2.91	217	5	ND	13	202	.4	102	2	31	3.44	.091	42	11	.34	568	.01	2	.52	.01	.11	1	30	2200
016452 DR	3	22	49	170	.1	23	12	852	3.24	1248	5	ND	13	145	.2	2908	2	44	1.99	.068	40	17	.16	657	.01	2	.49	.01	.08	1	450	4600
016453 DR	2	16	34	110	.1	12	9	675	3.18	1898	5	ND	12	141	.2	690	2	31	2.73	.036	41	12	.22	555	.01	2	.42	.01	.08	1	870	4400
016454 DR	5	19	28	118	.2	16	9	757	3.32	2169	5	ND	13	152	.4	429	4	28	2.42	.060	41	22	.19	542	.01	10	.45	.01	.10	1	1020	2300
016455 DR	3	20	33	160	.4	24	12	673	3.55	1701	5	ND	14	133	1.0	468	2	39	1.95	.073	48	12	.17	554	.01	9	.55	.01	.09	1	1090	3300
016456 DR	3	15	26	129	.5	16	8	672	3.19	1662	5	ND	13	227	.2	426	2	29	2.74	.106	46	10	.45	318	.01	2	.45	.01	.10	1	970	2600
016457 DR	4	16	29	241	1.1	25	8	580	4.19	4208	5	2	13	348	.4	1666	2	43	2.01	.092	46	15	.63	614	.01	2	.46	.01	.09	1	2560	3200
016458 DR	8	28	30	346	.8	45	12	532	4.52	5694	5	ND	6	149	.7	925	2	37	.69	.050	31	13	.11	807	.01	4	.50	.01	.11	1	1320	2100
016459 DR	5	17	35	258	.5	28	12	785	3.99	4757	5	ND	9	201	.2	353	2	30	1.38	.038	34	14	.31	634	.01	5	.47	.01	.12	1	1650	2000
016460 DR	5	18	38	287	1.4	27	11	597	4.14	3563	5	2	10	166	.2	288	2	28	1.20	.045	34	14	.44	627	.01	3	.42	.01	.09	2	1680	2700
016461 DR	5	20	34	317	.3	30	11	708	3.78	3074	5	ND	10	128	.2	312	2	25	1.54	.098	38	13	.19	438	.01	2	.46	.01	.12	1	1070	1800
016462 DR	4	17	31	260	.6	28	12	703	3.67	2929	5	ND	10	168	.2	325	2	28	1.54	.110	38	14	.39	331	.01	3	.39	.01	.12	1	1130	1900
016463 DR	4	20	16	216	1.3	26	12	672	3.63	3495	5	ND	9	204	.2	515	2	34	1.56	.110	35	17	.54	433	.01	6	.36	.01	.13	1	1610	2200
016464 DR	6	22	25	294	.6	31	9	611	3.35	2216	5	ND	9	151	1.0	1566	2	29	.89	.108	37	16	.28	358	.01	8	.34	.01	.12	1	730	1900
016465 DR	8	31	22	248	2.6	35	7	405	2.42	1024	5	ND	6	317	2.1	852	2	77	.53	.112	26	15	.13	681	.01	8	.47	.01	.13	2	320	6500
016466 DR	16	75	16	439	4.6	84	5	91	1.61	593	5	ND	3	517	10.7	1250	2	247	.34	.246	14	47	.05	3631	.01	2	.71	.01	.06	2	360	10400
016467 DR	19	81	11	411	3.6	75	5	92	1.64	619	5	ND	2	642	6.3	312	2	261	.62	.406	13	52	.09	1813	.01	5	.91	.01	.06	1	270	9800
016469 DR	6	18	24	45	.1	13	2	13	1.43	177	5	ND	2	103	.2	34	2	26	.22	.022	8	7	.04	467	.01	3	.42	.01	.19	1	22	2300
016470 DR	4	83	49	297	1.9	71	32	1110	6.13	8384	5	5	14	86	1.3	272	4	55	.21	.040	51	51	.03	1677	.01	3	.63	.01	.11	3	6520	5400
STANDARD C/AU-R	18	57	38	133	7.3	69	30	1022	3.99	40	17	7	36	47	17.3	15	21	58	.51	.098	37	56	.92	176	.07	34	1.95	.06	.14	11	550	1500

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: Cutting AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: JUL 4 1990 DATE REPORT MAILED: July 12/90 SIGNED BY: C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

BCRC 90-25

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	Hg ppb
016471 DR	4	37	35	328	3.4	43	16	414	4.21	2077	5	ND	9	68	.3	10416	5	22	.12	.032	28	11	.02	479	.01	5	.43	.01	.11	1	1020	2200
016472 DR	4	27	31	159	1.1	18	8	106	3.60	3447	5	ND	9	52	.5	2041	2	25	.05	.024	35	8	.02	444	.01	8	.39	.01	.10	1	870	1400
016473 DR	3	30	38	266	1.2	29	16	772	3.85	4797	6	ND	14	48	2.0	5552	2	21	.04	.032	38	10	.01	449	.01	9	.47	.01	.10	2	1880	2600
016474 DR	2	24	36	283	.9	35	15	904	3.51	4855	5	2	12	65	.2	10063	2	30	.13	.024	35	12	.02	504	.01	6	.41	.01	.09	2	2540	5100
016475 DR	3	24	31	271	1.3	37	13	748	3.95	8089	5	4	13	94	.2	7863	2	26	.28	.023	42	10	.02	448	.01	11	.40	.01	.10	2	4350	1800
016476 DR	4	26	38	270	.9	31	15	793	4.14	6256	5	2	14	100	.2	4125	2	29	.30	.038	45	12	.02	636	.01	9	.41	.01	.09	3	2610	2900
016477 DR	4	37	23	308	3.3	34	9	550	4.42	11325	5	6	11	144	2.0	895	4	27	.31	.022	35	10	.02	522	.01	9	.47	.01	.07	1	6070	3200
016478 DR	3	18	19	149	1.1	18	7	575	3.32	6836	5	3	10	203	1.2	345	2	27	1.39	.019	35	9	.51	365	.01	3	.36	.01	.07	1	3290	2000
016479 DR	4	20	28	203	.7	20	11	712	3.77	6605	5	2	10	202	.2	289	2	26	1.74	.025	37	9	.38	448	.01	7	.38	.01	.09	1	2790	1700
016480 DR	8	26	49	237	1.7	24	11	613	3.57	2945	5	ND	7	101	.4	5190	4	34	.42	.024	28	13	.11	406	.01	8	.40	.01	.10	1	970	3100
016481 DR	7	15	19	287	1.4	29	11	667	3.68	1771	5	ND	10	46	.3	1650	2	34	.10	.023	32	14	.03	292	.01	7	.32	.01	.06	2	1640	2500
016482 DR	7	51	30	317	3.6	40	8	780	2.98	3714	6	4	14	303	5.1	5941	2	171	.30	.155	38	39	.04	2871	.01	15	.52	.01	.06	2	5800	4800
016484 DR	6	52	34	403	.2	63	15	163	4.02	1444	5	ND	6	49	1.4	221	2	30	.14	.020	21	11	.03	627	.01	6	.47	.01	.14	1	450	1100
016485 DR	7	30	39	216	.3	43	11	128	3.06	868	5	ND	1	48	.2	105	2	28	.19	.014	3	9	.03	640	.01	7	.42	.01	.13	1	105	1300
016486 DR	10	23	20	194	.1	44	11	105	3.41	286	5	ND	1	37	.2	59	2	34	.16	.017	3	10	.03	991	.01	7	.44	.01	.12	1	12	1500

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016487 DR	8	33	30	157	.3	27	7	48	2.49	747	5	ND	4	78	.2	47	2	34	.10	.021	12	9	.03	941	.01	6	.44	.01	.14	1	320	2000
016488 DR	7	22	48	104	.3	13	3	24	2.50	817	5	ND	4	60	.2	60	2	43	.03	.022	22	8	.02	897	.01	10	.36	.01	.16	1	78	1800
016489 DR	4	57	26	397	.8	73	22	766	5.53	4962	5	ND	16	83	4.2	679	2	44	.18	.050	48	34	.03	719	.01	6	.55	.01	.09	4	1280	5100
016490 DR	5	61	32	185	1.0	34	12	252	4.67	2255	5	ND	8	94	1.6	6847	3	67	.04	.031	27	33	.02	780	.01	10	.44	.01	.13	1	2010	4800
016491 DR	3	29	36	203	.5	27	12	680	3.84	4652	5	ND	12	118	.9	5383	2	25	1.06	.070	39	11	.10	701	.01	6	.53	.01	.10	1	1700	2000
016492 DR	3	20	38	154	.1	20	11	794	3.46	1185	5	ND	15	335	.3	2623	2	28	2.71	.093	44	12	.71	464	.01	11	.56	.01	.11	1	470	1900
016493 DR	3	26	28	179	.5	24	12	852	3.58	3018	5	ND	16	173	1.0	1449	2	29	1.74	.087	44	12	.46	515	.01	7	.56	.01	.10	1	1330	4800
016494 DR	3	27	40	131	1.7	20	11	579	3.46	6417	5	4	15	93	.6	2062	2	27	.25	.047	44	11	.03	388	.01	17	.44	.01	.07	1	4410	3400
016495 DR	3	13	16	102	1.1	13	5	196	2.04	2110	5	ND	8	74	.3	1335	2	17	.09	.020	29	8	.02	322	.01	11	.33	.01	.05	1	1800	3000
016496 DR	3	22	28	59	2.1	10	3	49	1.72	2209	5	2	4	134	1.8	15004	2	13	.12	.019	18	9	.02	172	.01	6	.26	.01	.04	1	2740	3600
016497 DR	13	76	20	552	1.7	82	9	418	2.83	564	5	ND	5	369	4.0	933	4	207	1.46	.382	25	35	.26	2116	.01	10	.76	.01	.11	1	560	3400
016498 DR	6	12	25	395	.1	34	10	742	3.92	104	5	ND	8	264	2.5	127	2	41	2.47	.083	31	12	.98	783	.01	11	.61	.01	.11	1	32	260
016499 DR	8	39	25	365	.4	44	9	640	3.53	87	5	ND	8	317	2.1	45	2	75	2.69	.234	28	19	.92	792	.01	10	.69	.01	.12	1	31	280
016500 DR	12	68	27	749	1.1	108	11	580	3.23	103	5	ND	9	271	8.2	61	2	139	2.39	.432	37	32	.56	419	.01	13	.88	.01	.15	1	5	1200
016501 DR	16	108	6	464	3.3	72	3	66	1.21	73	8	ND	1	528	3.9	41	2	450	2.30	.933	17	76	.07	1745	.01	21	.73	.01	.16	1	4	1500

BCRC90-27

016503 DR	2	22	43	210	.1	24	11	619	3.60	1539	5	ND	12	118	1.5	372	2	24	1.89	.106	44	10	.22	445	.01	6	.49	.01	.12	1	550	580
016504 DR	3	46	59	289	.2	43	14	765	4.32	1591	5	ND	10	70	3.3	189	2	30	1.55	.095	48	15	.08	781	.01	4	.56	.01	.13	1	660	1100
016505 DR	3	23	45	310	.5	44	15	1035	4.26	2528	5	ND	12	64	4.1	228	3	34	.40	.073	43	14	.04	1327	.01	10	.61	.01	.11	1	730	2200
016506 DR	2	19	42	251	.1	32	11	892	3.91	491	5	ND	10	78	4.4	71	7	28	2.42	.065	35	11	.10	1632	.01	9	.65	.01	.12	1	62	850
016507 DR	2	20	50	346	.3	33	13	894	4.24	874	5	ND	12	75	4.2	147	2	45	1.48	.109	44	18	.13	1024	.01	3	.71	.01	.11	1	380	1800
016508 DR	2	37	40	277	.4	53	16	832	5.00	4823	5	ND	18	76	6.4	148	2	34	.22	.040	57	20	.04	889	.01	5	.62	.01	.10	1	1820	1900
STANDARD C/AU-R	18	57	36	132	7.3	67	30	1026	4.03	41	19	7	36	47	18.7	16	21	58	.52	.093	36	59	.93	174	.08	36	1.93	.06	.14	11	520	1300

BCRC 90-27

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	Hg ppb
016509 DR	3	37	36	296	.1	41	19	942	5.05	3265	5	ND	26	120	3.2	120	2	30	1.81	.103	75	18	.12	1005	.01	7	.56	.01	.12	1	1020	1700
016510 DR	4	23	46	217	.3	26	11	654	3.52	1314	5	ND	11	133	2.2	87	4	27	1.53	.083	40	10	.31	1007	.01	9	.52	.01	.14	1	560	1300
016511 DR	4	56	26	200	.1	45	15	218	3.30	251	5	ND	4	64	.7	18	2	29	.38	.032	16	7	.10	805	.01	6	.50	.01	.15	1	143	1200
016512 DR	8	46	21	77	1.2	14	3	27	1.51	627	5	ND	2	214	1.3	22	2	60	.13	.026	4	11	.05	992	.01	16	.40	.01	.15	1	1820	3200
016513 DR	9	49	22	184	.2	36	9	100	2.74	476	5	ND	2	58	.6	26	2	35	.10	.017	3	9	.05	1050	.01	4	.51	.01	.14	1	75	1300
016514 DR	9	49	16	263	.8	36	8	128	2.75	1622	5	ND	2	283	4.4	194	2	58	.14	.029	5	12	.05	1510	.01	2	.62	.01	.13	1	2690	2800
016515 DR	16	64	33	565	1.8	62	16	744	4.52	1056	5	ND	7	208	3.8	416	2	146	.55	.251	31	22	.06	1398	.01	17	.77	.01	.12	1	280	4700
016516 DR	7	23	37	452	.1	42	16	1019	4.55	583	5	ND	11	132	2.3	118	2	34	.81	.092	38	10	.21	817	.01	3	.68	.01	.12	1	144	400
016517 DR	10	53	37	601	.3	66	14	656	4.16	3294	5	ND	9	252	8.8	115	2	41	.95	.126	32	9	.23	810	.01	4	.80	.01	.12	1	390	1050
016518 DR	16	70	29	787	.9	88	11	539	3.38	390	5	ND	9	265	7.7	46	2	122	2.05	.268	34	21	.60	1119	.01	5	.90	.01	.15	1	39	1300
016519 DR	9	17	29	847	.1	61	11	464	3.44	92	5	ND	10	126	10.2	22	4	29	1.19	.112	33	7	.41	156	.01	7	.69	.01	.16	1	25	540
016520 DR	20	132	6	873	3.0	112	6	294	2.27	93	10	ND	3	285	10.5	39	2	454	2.23	.693	23	64	.23	653	.01	19	.81	.01	.23	1	10	1600
016521 DR	24	85	9	1037	2.2	77	5	257	1.51	56	9	ND	1	257	15.7	28	2	330	2.04	.472	12	33	.50	571	.01	21	.60	.01	.17	1	13	3100

BCRC 90-28

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	Hg ppb
016523 DR	6	59	35	447	.1	77	18	307	3.92	793	6	ND	8	56	3.6	138	2	31	.16	.041	33	12	.04	774	.01	6	.62	.01	.16	1	76	920
016524 DR	7	62	36	404	.1	64	15	123	3.15	496	5	ND	7	51	2.5	84	2	32	.17	.033	28	7	.03	814	.01	4	.59	.01	.16	1	49	680
016525 DR	4	29	33	375	.2	57	20	1082	3.90	484	5	ND	11	51	6.5	74	6	36	.47	.089	43	12	.04	2001	.01	6	.63	.01	.14	1	28	1500
016526 DR	3	23	55	492	.2	53	19	1010	4.39	837	5	ND	12	66	8.4	152	2	30	.64	.083	45	12	.04	1652	.01	8	.66	.01	.11	2	10	1600
016527 DR	3	20	41	218	.1	23	12	759	3.51	372	5	ND	11	113	2.2	65	2	26	2.87	.100	45	11	.19	642	.01	4	.58	.01	.13	1	27	1500
016528 DR	3	20	81	485	.5	36	15	966	4.58	867	5	ND	15	85	5.1	80	2	34	1.33	.114	53	13	.10	684	.01	12	.70	.01	.12	1	55	2400
016529 DR	3	16	50	351	.2	28	12	844	3.82	444	5	ND	12	112	3.7	43	2	40	2.43	.101	42	14	.28	528	.01	8	.65	.01	.09	1	128	2000
016530 DR	3	20	43	359	.5	33	12	722	3.91	420	5	ND	11	193	5.9	56	3	34	2.49	.093	43	13	.59	578	.01	6	.74	.01	.12	1	27	1800
016531 DR	6	36	31	133	.8	19	4	69	1.69	669	5	ND	3	117	2.1	97	2	83	.20	.026	11	13	.07	1413	.01	5	.47	.01	.13	1	540	3100
016532 DR	8	24	23	97	.3	17	3	21	1.07	481	5	ND	2	95	.3	109	2	62	.13	.012	10	10	.05	1178	.01	6	.48	.01	.10	1	520	2800
016533 DR	10	46	25	146	3.2	38	5	42	1.48	683	5	ND	3	420	1.5	1000	2	186	.19	.188	13	39	.04	4000	.01	14	.82	.01	.09	1	370	7500
016534 DR	16	69	12	304	3.8	83	5	64	2.32	962	8	ND	2	750	1.6	619	2	351	1.25	.812	14	77	.04	4548	.01	27	.92	.01	.10	1	85	8400
016535 DR	11	189	29	706	.5	70	11	238	3.82	323	8	ND	10	251	3.1	221	2	102	.31	.254	32	30	.04	951	.01	13	1.08	.01	.13	1	4	540
016536 DR	11	119	44	801	.9	66	13	707	3.10	111	5	ND	7	254	31.5	46	2	177	.29	.245	26	26	.04	2233	.01	13	.89	.01	.11	1	10	1200
016537 DR	27	146	41	868	2.1	71	6	303	2.44	106	7	ND	3	417	37.3	40	2	382	1.46	.276	15	46	.77	3320	.01	20	.80	.01	.15	1	107	3500

BCRC 90-29

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	Hg ppb
016539 DR	8	34	35	55	.6	17	2	20	1.44	312	5	ND	3	125	1.0	180	2	69	.21	.046	11	22	.04	639	.01	14	.55	.01	.25	1	172	3600
016540 DR	3	123	11	56	7.0	15	4	28	1.90	1652	5	2	1	111	1.9	25142	4	34	.13	.044	25	9	.02	79	.01	7	.38	.01	.13	2	2820	2200
016541 DR	4	25	53	200	1.5	23	9	54	3.61	6698	5	2	12	145	2.7	2955	4	64	.04	.088	44	15	.02	881	.01	10	.60	.01	.12	1	2680	1200
016542 DR	4	64	31	224	4.5	20	8	98	2.95	6379	5	5	6	112	8.6	17074	5	45	.06	.061	34	12	.01	713	.01	7	.55	.01	.11	1	4570	2500
016543 DR	5	59	49	186	1.8	24	7	73	3.78	6098	5	2	8	114	10.0	6831	2	54	.05	.058	38	14	.02	924	.01	9	.69	.01	.13	1	4010	2300
016544 DR	4	56	22	21	2.9	10	1	7	.84	1495	5	ND	3	94	3.1	6081	2	54	.06	.036	17	10	.03	981	.01	9	.52	.01	.16	1	1460	4600
016545 DR	1	263	8	99	12.7	37	2	33	.74	85	5	2	1	39	20.1	30560	2	53	.21	.010	11	13	.01	52	.01	7	.37	.01	.06	1	3770	5200
016546 DR	4	94	43	129	5.2	34	3	42	1.54	1246	6	ND	1	152	25.2	24646	2	77	.11	.056	23	23	.01	647	.01	10	.52	.01	.06	2	1840	5500
STANDARD C/AU-R	17	58	41	132	7.2	67	31	1015	3.91	41	17	7	36	48	18.1	14	22	57	.50	.092	36	56	.90	175	.07	35	1.87	.06	.14	11	540	1600

BORE 90-29

BORE 90-30

TR. GRAB SAMPLE

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	Hg ppb
016547 DR	5	72	38	426	1.5	48	9	210	3.90	4438	8	ND	7	74	10.2	1663	2	52	.05	.048	30	10	.02	885	.01	9	1.06	.01	.08	2	1060	2400
016548 DR	9	101	28	617	3.0	72	11	479	2.94	741	5	ND	6	360	13.7	139	2	160	.08	.193	25	43	.03	3017	.01	9	1.25	.01	.10	1	138	6500
016549 DR	4	41	34	694	.5	74	17	1544	3.92	504	5	ND	8	131	19.7	819	2	45	.36	.072	27	13	.14	1042	.01	12	.82	.01	.13	1	44	1800
016550 DR	4	13	44	395	.1	39	14	1084	4.13	77	5	ND	8	176	4.5	48	2	45	1.26	.073	27	17	.36	720	.01	13	.77	.01	.11	3	6	430
016551 DR	10	57	40	403	1.9	54	6	238	2.60	132	5	ND	6	428	11.5	48	3	282	1.65	.739	29	55	.06	1673	.01	25	1.12	.01	.13	4	20	3300
016552 DR	27	101	50	784	1.7	75	6	207	2.80	164	5	ND	5	260	53.6	403	2	238	.46	.208	22	32	.18	1713	.01	20	.67	.01	.16	1	16	3200
016553 DR	9	96	46	772	1.0	78	9	420	3.52	33	5	ND	3	207	29.3	66	2	57	5.45	.084	10	31	2.73	698	.01	16	.49	.01	.15	2	4	1900
016555 DR	12	89	34	80	.3	27	4	39	1.55	227	5	ND	2	150	.2	85	2	55	.23	.052	6	12	.07	1063	.01	9	.56	.01	.21	1	11	3000
016556 DR	7	81	31	161	.7	37	7	66	3.16	4555	8	2	9	103	4.1	83	2	46	.14	.043	35	16	.03	1071	.01	11	.49	.01	.15	2	1460	2400
016557 DR	4	20	18	130	.9	19	5	39	2.71	4574	7	3	10	124	2.7	3388	2	29	.14	.033	35	9	.03	758	.01	9	.50	.01	.15	1	2300	2300
016558 DR	3	31	43	31	3.5	13	1	26	.67	1567	5	3	6	56	1.3	17941	2	16	.12	.018	33	9	.02	394	.01	11	.41	.01	.08	1	2980	3100
016559 DR	3	33	25	114	2.7	25	4	38	1.65	2345	6	2	4	93	2.7	9867	3	51	.06	.046	21	14	.02	840	.01	6	.44	.01	.07	1	1890	3200
016560 DR	6	110	31	695	.4	56	15	285	5.14	2435	7	ND	10	83	2.7	703	2	57	.05	.069	33	16	.03	1083	.01	15	.99	.01	.10	1	550	1300
016561 DR	17	122	35	580	3.0	111	10	158	3.75	1657	6	ND	7	357	6.0	187	2	174	.18	.313	30	48	.03	4315	.01	18	.99	.01	.10	1	390	4000
016562 DR	8	66	22	365	5.0	83	5	154	1.69	154	5	ND	2	491	10.1	294	3	175	1.59	.876	18	82	.04	4921	.01	12	.95	.01	.13	3	61	7800
016563 DR	12	76	16	202	5.6	77	4	72	.92	81	5	ND	2	518	5.1	131	2	343	.89	.584	20	105	.04	5377	.01	16	.82	.01	.10	2	63	8600
016564 DR	20	140	28	473	6.5	115	6	113	1.87	100	5	ND	3	521	8.1	90	2	467	1.45	.783	23	124	.06	4686	.01	29	1.16	.01	.16	1	81	10800
016565 DR	15	164	35	961	2.8	137	8	220	3.32	107	5	ND	4	286	10.5	86	4	174	.18	.251	16	56	.04	3328	.01	15	.93	.01	.10	2	10	5100
016566 DR	12	131	20	726	2.7	108	8	100	2.20	56	5	ND	3	584	5.0	45	2	190	1.21	.797	17	101	.05	6273	.01	16	1.20	.01	.11	3	24	4600
016567 DR	8	91	16	529	1.8	98	10	150	2.36	60	5	ND	4	246	5.7	42	2	117	1.36	.319	18	58	.53	2418	.01	27	.89	.01	.20	3	14	3100
016568 DR	3	49	16	308	.9	45	9	323	2.36	17	5	ND	4	161	3.1	33	2	22	4.18	.038	17	30	2.16	416	.01	18	.46	.01	.15	2	1	1200
016569 DR	2	36	36	251	1.1	41	8	384	2.77	20	5	ND	4	212	1.4	42	2	14	4.94	.027	14	26	2.48	201	.01	12	.38	.01	.14	2	5	440
016570 DR	3	39	24	231	.7	59	12	550	2.45	28	5	ND	3	226	1.0	31	2	13	6.67	.021	14	26	2.62	265	.01	15	.38	.01	.11	1	3	310
R 120442	3	21	81	97	3.7	23	3	247	1.05	1995	5	6	4	55	.2	8479	4	12	.14	.015	17	10	.02	534	.01	9	.22	.01	.03	1	6380	2700
STANDARD C/AU-R	18	64	44	132	7.9	73	31	1027	3.98	38	19	8	36	50	18.7	16	21	54	.50	.099	35	61	.83	177	.07	37	1.91	.06	.14	12	480	1500

GEOCHEMICAL ISO CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9007-037 File # 90-2474 Page 1

P.O. Box 2380, 1050 Davie St., Vancouver BC V6B 3T5

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	Hg ppb
016572 DR	6	49	63	307	.3	44	10	303	3.41	109	5	ND	9	85	1.4	44	2	74	.48	.106	26	29	.33	813	.03	5	1.30	.01	.10	1	15	800
016573 DR	5	44	54	343	.2	47	11	220	3.05	80	5	ND	7	81	2.1	39	2	72	.41	.088	26	28	.33	818	.03	7	1.29	.01	.10	1	4	780
016574 DR	5	44	45	332	.2	49	10	234	3.14	83	5	ND	7	81	1.0	43	2	72	.42	.088	26	29	.33	779	.03	6	1.28	.01	.09	1	45	720
016575 DR	6	36	35	282	.3	39	10	233	2.90	105	5	ND	8	90	1.7	59	2	71	.39	.105	25	27	.22	858	.02	8	1.03	.01	.09	1	33	800
016576 DR	9	58	22	363	1.9	57	7	167	2.20	159	5	ND	5	153	2.2	124	2	140	.24	.132	20	50	.11	2477	.01	6	.76	.01	.06	1	270	1900
016577 DR	16	88	23	553	4.6	79	6	221	2.13	308	5	ND	4	358	7.7	585	2	293	.35	.284	7	67	.07	4988	.01	10	.79	.01	.06	1	730	4000
016578 DR	22	104	24	687	4.5	104	7	255	2.41	505	5	ND	3	409	8.5	707	2	332	.48	.325	6	76	.11	3956	.01	12	.77	.01	.06	1	1320	6800
016579 DR	14	69	13	488	3.4	70	5	113	1.70	330	5	ND	3	364	5.5	397	2	294	.33	.276	4	60	.08	4399	.01	8	.68	.01	.05	1	500	6200
016580 DR	16	85	18	559	3.6	81	7	110	2.10	374	5	ND	4	357	8.2	503	2	294	.26	.246	3	70	.09	4586	.01	4	.71	.01	.06	1	240	7000
016581 DR	13	70	20	275	7.7	46	5	60	1.41	263	5	ND	2	476	3.7	529	2	334	.20	.300	10	65	.03	6150	.01	10	.77	.01	.05	2	103	4100
016582 DR	12	63	40	412	1.4	67	12	253	3.31	126	5	ND	1	202	2.0	127	2	80	.86	.051	4	30	.67	45	.01	2	.52	.01	.11	1	52	1700
016583 DR	6	34	11	248	.2	48	12	388	2.94	18	5	ND	1	576	.9	14	2	21	3.36	.039	2	10	2.11	48	.01	5	.36	.01	.11	1	2	750
016584 DR	6	44	20	369	.1	71	19	455	4.19	25	5	ND	1	126	1.5	17	2	30	.71	.032	2	16	.92	41	.01	2	.39	.01	.12	1	8	860
016758 DR	11	34	51	949	.5	97	13	1520	3.99	643	5	ND	9	66	5.6	279	2	57	.18	.102	32	26	.02	1030	.01	6	.55	.01	.10	1	540	2500
016759 DR	8	16	32	658	.1	76	14	1391	3.84	514	5	ND	12	42	3.7	93	2	28	.23	.110	43	16	.03	824	.01	6	.59	.01	.12	1	137	1600
016760 DR	8	14	29	527	.1	67	14	1429	3.80	575	5	ND	10	42	2.2	80	2	24	.14	.074	37	13	.03	808	.01	11	.52	.01	.11	1	116	2100
016761 DR	10	17	32	780	.6	73	15	1465	5.19	1981	5	2	12	46	3.4	381	2	49	.13	.083	43	16	.02	929	.01	4	.50	.01	.07	1	2440	2200
016762 DR	5	12	58	444	.1	43	10	754	3.35	701	5	ND	10	36	2.3	104	2	25	.17	.081	35	8	.02	535	.01	7	.46	.01	.11	1	233	1800
016763 DR	5	32	22	403	.3	38	6	420	2.45	319	5	ND	7	142	3.8	70	2	116	.93	.375	31	20	.04	706	.01	11	.78	.01	.17	1	201	2600
016764 DR	6	81	12	201	1.7	35	3	226	1.17	129	5	ND	2	333	3.0	46	2	334	1.98	.782	17	49	.05	1471	.01	20	.74	.01	.16	1	69	4300
016765 DR	7	35	50	880	1.1	103	13	1243	3.56	215	5	ND	13	77	8.7	78	2	85	.50	.227	50	20	.03	796	.01	8	.73	.01	.10	1	37	2300
016766 DR	7	22	111	1211	2.0	135	18	1731	3.75	207	5	ND	14	40	8.6	88	3	75	.44	.186	57	16	.09	622	.01	7	.76	.01	.15	1	7	2000
016767 DR	6	48	34	513	1.4	60	6	466	1.88	123	5	ND	4	307	6.3	63	2	183	1.56	.658	23	62	.04	1909	.01	14	.85	.01	.11	1	10	3400
016768 DR	7	57	26	416	.5	51	6	362	1.45	187	5	ND	3	333	4.0	48	2	154	1.04	.521	13	50	.02	2846	.01	10	.71	.01	.06	1	8	4800
016769 DR	7	54	12	641	.5	81	12	301	3.48	192	5	ND	6	124	5.6	56	2	142	.29	.158	26	28	.04	1062	.01	15	.67	.01	.13	1	45	3500
016770 DR	5	66	9	518	.6	83	12	290	2.49	98	5	ND	4	96	4.9	40	2	91	.20	.085	15	22	.04	574	.01	13	.48	.01	.13	1	22	2100
016771 DR	12	61	19	538	.6	88	12	215	3.15	116	5	ND	6	215	5.3	58	2	119	.40	.171	21	32	.06	1059	.01	25	.89	.01	.24	1	45	1300
016800 DR	14	66	35	725	1.3	83	11	252	4.89	988	5	ND	8	308	18.0	731	2	82	.16	.263	27	33	.04	4047	.01	9	.83	.01	.11	1	19	2800
016801 DR	6	58	33	473	.2	57	10	213	2.71	94	5	ND	7	54	4.6	335	2	28	.06	.060	25	18	.06	691	.01	8	.52	.01	.16	1	5	790
016802 DR	6	36	17	292	.2	40	6	201	1.91	74	5	ND	6	44	2.7	289	2	31	.07	.037	25	15	.06	496	.01	9	.51	.01	.18	1	19	720
016803 DR	8	33	18	240	.1	43	6	168	2.12	95	5	ND	7	143	2.5	338	2	34	.09	.076	27	24	.05	722	.01	7	.59	.01	.16	1	10	1100
016804 DR	6	42	24	207	.3	40	10	636	1.72	77	5	ND	7	114	2.5	273	2	33	.08	.065	27	38	.04	914	.01	7	.57	.01	.16	1	14	800
016805 DR	9	45	39	330	1.4	52	11	637	2.41	126	5	ND	6	122	3.0	244	2	43	.09	.072	16	25	.05	1181	.01	6	.58	.01	.19	1	29	1800
016806 DR	5	45	40	422	2.0	49	7	129	2.21	105	5	ND	8	435	3.1	142	4	45	.18	.216	30	29	.10	1664	.01	11	1.05	.01	.34	1	9	1700
016807 DR	7	151	58	598	1.1	69	8	101	2.93	170	5	ND	9	1044	5.3	146	2	93	1.14	.782	51	45	.14	3214	.01	20	1.92	.01	.46	1	19	1500
016808 DR	8	38	103	512	2.3	55	13	95	2.83	113	5	ND	9	201	2.1	100	2	38	.11	.135	31	27	.04	1896	.01	7	.74	.01	.19	1	17	5100
STANDARD C/AU-R	18	58	38	132	7.0	68	31	1024	3.95	38	18	7	37	51	18.9	19	22	56	.51	.691	35	57	.91	181	.08	33	1.93	.05	.14	14	550	1600

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: P1-P5 Cutting P6-P8 Rock AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: JUL 12 1990 DATE REPORT MAILED: July 18/90 SIGNED BY ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

BCRC 90-31

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	Hg ppb
016586 DR	13	92	48	521	2.3	64	10	445	2.98	308	5	ND	7	232	6.4	1418	2	307	.98	.460	30	56	.09	2695	.01	8	1.03	.01	.11	1	470	2600
016587 DR	10	107	78	426	6.2	54	10	494	3.21	467	5	ND	4	148	5.9	20349	3	166	.61	.185	20	41	.17	241	.01	7	.83	.01	.09	1	1620	2000
016588 DR	8	29	36	419	.8	63	11	297	3.47	765	5	ND	7	71	2.2	2695	3	48	.20	.058	26	14	.05	972	.01	7	.57	.01	.10	1	590	1500
016589 DR	5	20	32	317	.8	45	13	578	3.87	618	5	ND	9	152	2.7	2594	2	28	2.33	.060	32	11	.64	730	.01	6	.56	.01	.10	1	240	1200
016590 DR	7	24	29	260	.6	38	7	157	2.23	236	5	ND	4	88	1.6	1543	4	39	.41	.037	15	11	.13	1000	.01	9	.53	.01	.13	2	86	1100
016591 DR	9	68	24	440	.7	50	12	118	5.21	242	5	ND	4	52	.7	1697	3	46	.12	.021	13	14	.06	913	.01	12	.50	.01	.11	1	82	930
016592 DR	4	34	46	446	1.0	133	15	678	3.92	2434	5	ND	11	155	5.5	4310	2	38	1.32	.031	33	19	.46	412	.01	4	.84	.01	.09	1	2020	1300
016593 DR	3	20	27	303	.4	47	11	626	3.48	4143	5	ND	6	259	1.5	745	5	30	2.15	.030	22	10	.88	372	.01	3	.52	.01	.09	1	3100	1900
016594 DR	10	33	33	224	.6	33	6	68	2.65	302	5	ND	3	92	1.1	674	2	61	.36	.017	10	10	.18	220	.01	8	.45	.01	.12	1	200	2600
016595 DR	2	29	31	170	1.1	33	13	834	4.09	1315	5	ND	12	488	2.2	1084	2	36	3.69	.033	21	23	1.68	73	.01	2	.49	.01	.05	2	2530	2000
016596 DR	2	106	10	416	17.9	42	11	413	2.51	327	5	ND	1	204	4.5	29272	2	113	1.88	.015	5	27	.87	20	.01	6	.38	.01	.04	2	850	2200
016597 DR	3	21	30	315	1.5	26	10	657	3.41	116	5	ND	4	201	2.1	3396	2	40	2.52	.017	13	12	1.10	231	.01	8	.47	.01	.09	2	20	1100
016598 DR	2	7	28	246	.2	19	10	715	3.47	32	5	ND	6	196	1.4	483	2	31	2.73	.021	17	9	1.21	414	.01	11	.46	.01	.09	1	8	830
016599 DR	2	9	18	224	.2	19	9	695	3.45	42	5	ND	7	272	.9	765	3	30	2.79	.022	20	12	1.25	335	.01	5	.42	.01	.08	1	10	1050
016600 DR	2	6	28	164	.1	15	9	721	3.27	34	5	ND	6	266	.2	198	2	33	2.92	.020	15	9	1.19	331	.01	8	.42	.01	.09	1	4	1300
016602 DR	6	35	47	388	.3	39	11	720	3.52	111	5	ND	9	105	1.7	79	2	115	.29	.146	32	23	.09	1307	.01	5	.82	.01	.09	1	8	1400
016603 DR	7	65	85	375	1.8	49	12	840	3.73	154	5	ND	8	111	2.9	5061	2	116	.39	.142	27	35	.25	1048	.03	7	1.26	.01	.09	2	160	2200
016604 DR	1	275	10	106	51.6	13	1	109	.59	39	5	2	1	16	4.5	52333	3	24	.10	.002	2	10	.03	7	.01	4	.24	.01	.03	3	1430	7200
016605 DR	3	98	26	55	12.2	12	1	46	1.06	300	5	ND	1	69	1.5	32089	2	47	.05	.008	4	11	.02	51	.01	5	.36	.01	.12	2	1920	2900
016606 DR	5	33	40	54	5.6	14	1	33	1.19	608	5	ND	1	61	.5	18015	2	59	.03	.012	7	13	.02	128	.01	6	.40	.01	.12	2	2420	3500
016607 DR	6	24	34	75	1.5	10	2	30	1.72	1834	5	ND	3	85	.2	2582	3	46	.01	.024	9	15	.02	584	.01	6	.54	.01	.17	2	830	2700
016608 DR	3	44	37	126	4.9	13	3	41	2.84	1490	5	ND	3	150	1.3	10083	2	77	.04	.022	14	18	.02	214	.01	6	.46	.01	.18	1	1940	3400
016609 DR	4	75	33	931	1.2	85	16	831	3.69	347	5	ND	5	56	12.2	3874	2	53	.38	.036	17	20	.08	559	.01	8	.90	.01	.09	1	240	2000
016610 DR	3	32	32	462	.4	52	13	989	3.91	97	5	ND	6	53	5.1	1040	2	40	1.02	.030	19	13	.08	432	.01	9	.67	.01	.10	1	39	1600
016611 DR	2	13	37	309	.5	31	9	697	3.63	823	5	ND	7	96	2.0	847	3	36	1.27	.030	21	12	.24	413	.01	7	.52	.01	.09	1	220	1500
016612 DR	2	16	32	254	.1	21	9	711	3.69	62	5	ND	7	139	1.1	814	2	36	1.78	.026	20	9	.57	374	.01	7	.49	.01	.10	2	14	1300
016613 DR	2	13	27	191	.2	16	10	766	3.68	33	5	ND	9	172	1.1	937	2	40	2.02	.037	25	12	.74	641	.01	10	.51	.01	.08	2	11	960
016614 DR	2	16	43	211	.5	23	10	732	3.87	235	5	ND	9	259	1.8	1457	3	39	2.08	.050	27	12	.69	562	.01	8	.50	.01	.09	1	840	1500
016615 DR	2	11	20	150	.5	16	9	727	3.65	46	5	ND	7	234	.5	1673	3	37	2.38	.031	21	11	.86	368	.01	8	.45	.01	.09	1	30	1400
016616 DR	2	15	34	142	1.1	13	9	786	3.40	55	5	ND	8	179	.3	5133	2	41	2.41	.030	21	12	.97	550	.01	9	.50	.01	.08	2	250	1100
016618 DR	4	26	46	323	.5	45	12	1041	4.08	240	5	ND	13	41	1.7	305	2	58	.40	.133	39	36	.39	818	.04	6	1.18	.01	.24	1	280	1200
016619 DR	6	30	61	492	1.0	59	17	1707	4.37	876	5	ND	13	33	3.4	230	2	35	.34	.131	47	19	.10	697	.01	9	.67	.01	.17	2	320	1700
016620 DR	5	22	26	506	.4	67	16	1330	4.18	616	5	ND	13	30	3.0	189	2	48	.42	.133	43	27	.29	703	.04	8	1.08	.01	.27	1	340	780
016621 DR	4	20	21	626	.1	78	18	1057	4.06	362	5	ND	11	44	3.2	179	2	57	.81	.126	37	39	.60	830	.01	4	1.40	.01	.15	2	102	660
016622 DR	6	24	37	782	.4	87	19	1326	4.57	1145	6	ND	11	42	6.3	267	2	51	.35	.124	41	24	.13	721	.01	5	.77	.01	.11	1	960	1900
016623 DR	5	26	41	544	.8	47	13	1465	4.49	1926	6	3	7	46	7.9	2628	2	40	.17	.054	30	18	.04	870	.01	6	.53	.01	.09	1	3670	2800
STANDARD C/AU-R	18	57	43	133	7.2	68	30	1026	4.07	38	20	7	37	46	17.6	15	20	55	.52	.094	35	57	.93	174	.07	33	1.94	.06	.14	11	600	1300

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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	Hg ppb
016624 DR	6	28	47	613	1.2	54	14	1984	4.38	2343	7	2	9	52	10.4	803	5	40	.22	.070	41	6	.04	921	.01	8	.60	.01	.12	1	1260	1300
016625 DR	6	78	76	807	2.8	67	8	639	3.53	527	5	ND	7	216	8.9	239	2	123	.59	.244	33	27	.04	1581	.01	11	.83	.02	.15	1	210	2800
016626 DR	6	38	171	672	3.0	37	7	1168	3.32	424	5	ND	9	50	11.3	105	6	27	.14	.056	37	3	.04	592	.01	4	.54	.01	.12	2	80	1100
016627 DR	6	36	70	630	1.0	67	9	1150	3.72	369	5	ND	11	56	9.9	150	2	56	.14	.081	45	9	.03	668	.01	2	.58	.01	.12	1	82	1200
016628 DR	6	38	90	647	.9	60	8	969	3.30	416	5	ND	9	56	9.4	142	3	66	.16	.087	36	7	.04	692	.01	2	.58	.01	.13	1	56	1400
016629 DR	10	70	45	1537	1.2	136	21	853	5.05	311	5	ND	14	165	13.7	308	2	248	.29	.221	51	74	.02	2234	.01	2	.89	.01	.06	1	51	3500
016630 DR	15	41	51	947	.6	164	26	3307	4.28	258	5	ND	12	74	17.6	140	4	264	.17	.116	44	58	.03	1073	.01	4	.73	.01	.05	3	4	6400
016631 DR	9	30	68	462	.9	60	16	1716	3.66	179	5	ND	13	66	5.1	68	2	118	.17	.097	49	29	.03	925	.01	4	.91	.01	.08	3	5	2400
016632 DR	14	28	59	844	.8	172	21	3731	4.00	643	5	ND	11	77	8.9	652	3	78	.18	.120	44	28	.04	1476	.01	6	.84	.01	.07	1	280	1600
016633 DR	7	19	49	454	.2	65	14	1547	3.22	567	5	ND	11	51	3.9	207	2	56	.22	.109	39	21	.02	825	.01	5	.68	.01	.05	2	490	1300
016634 DR	13	29	48	895	.7	127	18	3686	3.72	758	5	ND	12	54	12.1	501	2	72	.25	.118	45	23	.03	1257	.01	7	.68	.01	.06	3	790	1800
016635 DR	13	26	43	1303	.9	155	20	3503	4.23	832	5	ND	12	43	10.7	630	4	80	.27	.132	43	31	.02	1104	.01	2	.75	.01	.07	3	830	1700
016636 DR	6	21	43	667	.4	79	13	1376	3.48	392	5	ND	12	57	5.1	178	2	47	.24	.117	46	26	.03	773	.01	4	.71	.01	.10	1	78	1600
016637 DR	7	18	42	619	.4	78	14	1486	3.31	438	5	ND	7	47	5.8	173	2	39	.30	.065	32	16	.03	830	.01	5	.61	.01	.10	1	110	3600
016638 DR	8	55	23	609	1.0	80	10	1098	3.37	606	5	2	9	179	6.5	175	2	209	1.17	.442	43	44	.05	1543	.01	5	1.14	.01	.19	1	1290	4500
016639 DR	7	37	42	662	1.3	78	11	1551	2.94	651	5	ND	9	95	9.6	108	2	79	.50	.200	37	21	.04	1314	.01	10	.80	.01	.14	2	240	2700
016640 DR	7	20	62	857	1.4	98	16	2066	3.00	256	5	ND	11	60	8.6	127	2	47	.22	.109	40	7	.03	903	.01	3	.60	.01	.14	1	131	1200
016641 DR	7	15	53	790	.5	90	10	1602	2.98	141	5	ND	11	41	9.5	99	3	53	.30	.126	44	8	.03	588	.01	7	.62	.01	.12	1	48	870
016642 DR	6	31	49	822	.7	81	7	1157	2.70	331	5	ND	9	64	9.3	103	2	91	.36	.144	36	10	.03	665	.01	3	.61	.01	.12	1	92	2000
016643 DR	7	39	51	572	1.1	76	10	790	2.51	421	5	ND	10	160	8.1	75	2	158	.40	.177	37	19	.03	1228	.01	6	.71	.01	.07	1	190	4500
016644 DR	13	75	42	860	1.5	133	12	837	3.03	571	5	ND	8	205	10.3	158	2	339	.15	.159	32	57	.03	2338	.01	7	.73	.01	.07	3	310	7800
016645 DR	3	31	19	204	1.5	36	2	76	.99	84	5	ND	4	134	3.6	47	2	80	.23	.034	12	15	.04	823	.01	20	.48	.01	.14	2	92	2000
016646 DR	11	32	79	907	2.5	72	8	614	3.51	1631	13	4	10	63	12.7	1591	5	87	.14	.076	40	16	.03	951	.01	15	.65	.01	.10	6	2050	2800
016647 DR	14	22	80	1081	2.8	86	9	1553	3.85	1876	9	ND	8	49	22.2	1500	6	94	.13	.074	39	6	.02	1020	.01	8	.60	.01	.07	8	2450	3000
016648 DR	14	44	85	1070	2.9	120	14	2569	3.90	1703	8	3	9	90	20.9	2143	2	134	.21	.118	37	20	.04	1534	.01	3	.63	.01	.07	1	2240	3300
016649 DR	10	43	74	934	1.9	99	15	1831	2.73	953	5	ND	7	205	17.5	609	3	131	.44	.230	32	27	.02	2084	.01	6	.75	.01	.10	2	770	5200
016650 DR	8	73	32	307	2.8	51	6	448	1.01	237	5	ND	1	695	6.8	219	2	227	3.17	.954	15	98	.04	3730	.01	10	.70	.01	.10	5	390	4700
016651 DR	10	81	40	1181	1.9	122	19	1437	3.57	817	5	ND	11	279	21.3	717	2	187	.64	.335	40	69	.03	2341	.01	2	.83	.01	.07	1	640	5400
016652 DR	8	72	38	1386	1.4	152	20	1821	4.06	800	5	ND	17	132	30.1	428	2	177	.35	.217	58	82	.02	1573	.01	3	.76	.01	.04	1	290	5600
016653 DR	15	123	36	1511	4.3	165	17	1933	4.46	814	5	ND	5	504	27.9	438	2	438	.81	.505	26	77	.05	4159	.01	15	1.03	.01	.15	3	820	9600
016654 DR	13	89	28	1432	2.2	151	18	689	4.05	414	5	ND	6	109	13.9	259	2	127	.23	.129	25	27	.04	1136	.01	13	.61	.01	.18	1	79	3100
016655 DR	9	66	20	1381	1.5	145	16	1871	4.31	423	5	ND	6	71	15.9	255	2	127	.15	.115	21	28	.04	1136	.01	6	.59	.01	.15	1	95	2500
016656 DR	9	72	28	1423	1.7	149	16	2140	4.48	447	5	ND	6	103	20.2	267	2	173	.18	.137	20	32	.05	1558	.01	12	.67	.01	.20	1	250	2000
016657 DR	7	78	34	774	1.1	89	11	713	2.38	271	5	ND	5	162	12.3	227	2	112	.36	.150	18	34	.05	1258	.01	12	.65	.01	.19	1	290	2900
016658 DR	12	79	25	911	.4	100	12	339	2.78	170	5	ND	6	149	9.3	132	2	130	.37	.141	22	28	.06	566	.01	22	.68	.01	.21	1	56	1400
016659 DR	7	51	22	974	.3	106	14	526	3.01	161	5	ND	7	55	8.4	126	2	107	.17	.080	22	26	.06	404	.01	12	.66	.01	.22	1	35	2200
STANDARD C/AU-R	18	63	42	130	8.0	73	31	1049	3.92	43	16	8	36	50	18.7	15	19	55	.54	.091	35	60	.81	180	.07	32	1.97	.06	.13	12	510	1400

BCRC 90-37

BCRC 90-38

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	Hg ppb
016660 DR	10	46	105	748	1.6	76	14	1764	4.99	1687	5	ND	10	49	6.6	1271	2	59	.13	.073	31	19	.04	907	.01	2	.49	.01	.09	1	1100	3000
016661 DR	8	36	104	797	1.2	67	12	2074	4.51	1731	5	3	9	48	10.3	1064	2	51	.14	.073	33	17	.03	937	.01	2	.49	.01	.09	1	3080	2500
016662 DR	8	20	52	721	1.0	63	12	2163	4.33	1631	5	2	8	47	11.8	756	2	45	.12	.072	29	17	.02	923	.01	2	.43	.01	.08	1	1820	2900
016663 DR	7	34	40	653	1.8	54	10	1241	4.76	1981	5	2	9	55	13.1	607	2	39	.13	.080	37	10	.03	772	.01	4	.52	.01	.09	1	2100	3200
016664 DR	15	84	76	989	2.6	85	10	1109	4.06	1316	5	ND	8	200	16.4	520	2	341	.71	.328	32	36	.05	2036	.01	14	1.03	.01	.18	2	1380	8300
016665 DR	11	113	49	580	2.4	69	7	485	2.22	485	5	ND	3	353	8.6	356	2	470	1.58	.638	20	60	.05	1977	.01	24	.79	.01	.14	1	410	9400
016666 DR	7	25	62	578	1.1	62	7	431	3.22	1287	5	ND	8	88	14.2	416	2	88	.23	.114	31	12	.02	793	.01	5	.51	.01	.10	2	1080	2900
016667 DR	8	20	54	677	.7	69	9	1334	4.05	1873	5	ND	9	62	12.0	544	2	57	.15	.075	36	9	.02	780	.01	3	.42	.01	.09	2	2010	2500
016668 DR	8	21	92	692	1.3	65	9	849	4.12	1341	5	ND	8	54	12.1	457	2	77	.13	.075	32	9	.02	721	.01	5	.45	.01	.08	2	1530	2900
016669 DR	13	89	71	1013	2.9	129	18	2073	4.83	1132	5	ND	10	282	18.3	634	2	309	.25	.267	36	63	.02	3677	.01	4	.75	.01	.06	2	870	8600
016670 DR	7	42	53	872	1.7	103	17	1167	4.50	629	5	ND	12	78	13.9	262	2	221	.10	.108	39	41	.02	1017	.01	2	.63	.01	.08	1	540	5200
016671 DR	7	35	94	803	2.1	104	19	1612	4.52	456	5	ND	12	59	14.5	310	2	247	.10	.095	46	19	.02	793	.01	2	.53	.01	.08	2	330	3800
016672 DR	15	54	82	833	1.9	193	12	682	4.36	380	5	ND	10	180	12.7	376	2	507	.71	.183	36	31	.03	1426	.01	7	.59	.01	.08	3	250	7700
016673 DR	7	45	24	708	.6	95	11	260	3.52	153	5	ND	6	64	5.2	137	2	299	.14	.070	21	26	.03	595	.01	3	.45	.01	.11	2	78	2300
016674 DR	10	64	165	494	3.7	63	8	572	3.49	1223	5	3	12	154	10.4	1043	2	149	.46	.250	45	28	.03	1350	.01	11	.76	.01	.09	2	3010	4800
016675 DR	9	45	134	639	3.4	71	10	785	4.55	1727	5	2	13	85	14.6	708	2	125	.16	.118	50	21	.03	1067	.01	5	.63	.01	.07	2	2450	4300
016676 DR	8	43	155	746	4.3	63	14	904	4.75	2032	5	3	14	76	13.5	926	2	97	.20	.132	53	21	.02	1102	.01	4	.66	.01	.07	1	2980	5300
016677 DR	8	36	136	918	3.8	62	14	660	4.40	1537	5	2	12	62	15.6	1002	3	82	.14	.102	45	17	.03	932	.01	2	.53	.01	.08	2	1550	5500
016678 DR	8	29	77	912	2.7	70	17	854	3.91	1507	5	ND	11	63	22.2	420	2	74	.13	.101	37	18	.02	1001	.01	2	.56	.01	.08	1	1240	5700
016679 DR	14	64	60	1586	2.0	138	20	918	5.31	1224	5	ND	14	251	20.6	501	2	165	.44	.351	46	66	.03	2980	.01	12	.92	.01	.07	2	690	7500
016680 DR	14	60	45	1414	1.1	126	19	1516	5.58	1142	5	ND	15	99	25.5	330	2	135	.22	.193	45	78	.02	1413	.01	2	.66	.01	.06	2	480	8600
016681 DR	16	63	43	1464	1.8	166	19	1786	5.48	750	5	ND	10	90	22.0	300	2	189	.16	.153	31	50	.03	1415	.01	6	.58	.01	.09	2	510	7800
016682 DR	7	41	33	890	.9	98	11	730	3.34	258	5	ND	7	69	12.1	114	2	95	.15	.098	24	33	.04	819	.01	6	.51	.01	.15	1	112	2500
016683 DR	7	78	27	850	1.4	98	10	317	2.90	183	5	ND	7	204	9.9	84	2	128	1.64	.653	25	51	.07	989	.01	26	.95	.01	.25	1	53	2800
016684 DR	12	133	14	583	2.2	110	5	235	1.72	119	8	ND	4	585	7.2	80	2	205	4.78	1.967	29	120	.08	1568	.01	32	1.07	.01	.24	2	20	5000
016685 DR	5	60	11	457	1.2	70	6	446	1.67	83	5	ND	2	171	4.1	51	2	84	.68	.278	11	37	.03	1054	.01	6	.47	.01	.09	1	34	1800
016686 DR	6	108	10	461	2.0	78	4	188	1.34	68	5	ND	3	346	4.9	46	2	107	3.12	1.229	22	73	.04	1108	.01	17	.64	.01	.12	1	14	4900
016687 DR	5	130	4	388	2.3	74	2	66	1.04	64	5	ND	2	719	4.9	39	2	139	9.47	4.075	31	107	.05	1018	.01	38	.84	.01	.17	1	11	5400
016688 DR	11	72	51	249	4.3	44	2	347	1.17	104	5	ND	2	167	5.2	67	2	712	.51	.226	14	62	.04	1760	.01	4	.44	.01	.11	2	59	16000
016689 DR	9	55	39	107	2.8	22	2	104	.73	58	5	ND	1	126	4.0	43	2	432	.30	.133	10	52	.02	1270	.01	5	.30	.01	.07	1	53	10600
016690 DR	6	68	12	123	2.9	29	2	55	.98	48	5	ND	1	383	8.5	20	2	243	2.71	1.125	15	99	.03	1777	.01	17	.42	.01	.09	1	14	5200
016691 DR	5	72	17	149	2.1	36	1	64	.90	47	5	ND	1	532	8.5	27	2	249	3.99	1.660	18	91	.03	1860	.01	19	.47	.01	.10	2	20	4700
016692 DR	5	88	19	368	1.6	74	2	41	1.32	56	5	ND	2	443	6.2	28	2	140	2.27	1.013	14	86	.03	2770	.01	8	.61	.01	.11	1	17	5400
016693 DR	18	161	14	425	2.3	75	2	39	1.26	60	6	ND	3	453	6.9	43	2	454	3.75	1.562	23	98	.07	2468	.01	20	.96	.01	.20	1	18	11000
016694 DR	46	105	17	389	1.6	101	3	310	1.27	49	6	ND	2	103	6.0	34	2	256	.41	.171	13	32	.03	1013	.01	5	.37	.01	.09	1	15	8200
016695 DR	46	64	6	346	.9	84	3	204	1.24	41	5	ND	2	72	5.7	23	2	161	.30	.115	11	22	.02	693	.01	8	.30	.01	.07	1	17	3700
STANDARD C/AU-R	17	59	38	132	7.2	68	31	1026	3.99	37	17	7	37	51	17.7	15	21	55	.51	.094	36	58	.91	182	.07	34	1.90	.06	.14	11	500	1300

BCRC 90-39

BCRC 90-40

BCRC 90-41

BCRC 90-41

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	Hg ppb
016696 DR	44	51	11	332	1.0	101	5	692	.94	47	5	ND	1	51	6.8	22	2	133	.08	.041	9	18	.02	761	.01	5	.27	.01	.05	1	15	3900
016697 DR	56	51	8	453	.8	113	22	585	1.04	60	5	ND	2	60	7.2	31	2	147	.12	.055	12	18	.02	655	.01	5	.37	.01	.07	1	26	4100
016698 DR	23	57	10	865	.9	120	15	761	2.20	83	5	ND	3	61	9.2	50	2	166	.10	.070	11	22	.04	698	.01	9	.54	.01	.11	1	17	3300
016699 DR	12	46	13	695	.6	91	12	410	1.78	69	5	ND	3	47	5.5	36	2	117	.09	.054	11	19	.04	439	.01	12	.52	.01	.13	1	13	1400
016700 DR	6	46	10	743	.4	97	12	402	1.84	58	5	ND	4	48	6.4	31	2	99	.08	.053	12	17	.05	421	.01	13	.60	.01	.16	1	8	2100
016701 DR	6	47	20	764	.8	121	11	940	1.90	56	5	ND	3	48	9.3	33	2	105	.07	.056	9	17	.05	491	.01	14	.60	.01	.17	1	9	1500

BCRC 90-42

016702 DR	8	108	17	604	2.9	92	8	271	2.32	171	6	ND	3	399	8.5	64	2	214	2.77	1.139	31	97	.04	1873	.01	20	.97	.01	.08	1	29	5900
016703 DR	9	109	15	402	3.3	61	3	137	1.73	113	5	ND	2	360	9.0	41	3	222	2.69	1.084	18	102	.04	1636	.01	13	.66	.01	.10	1	20	5700
016704 DR	7	120	8	446	4.5	76	4	109	1.52	85	5	ND	2	396	10.0	36	2	228	3.44	1.319	24	126	.05	1622	.01	28	.83	.01	.14	1	24	6500
016705 DR	13	137	19	504	3.6	94	4	118	1.61	101	5	ND	3	264	7.5	47	3	197	1.27	.542	19	96	.05	1670	.01	23	.75	.01	.13	3	28	9000
016706 DR	17	91	15	495	2.8	92	6	586	1.46	101	5	ND	3	113	7.4	52	2	152	.41	.192	13	37	.04	1026	.01	9	.52	.01	.11	1	24	3800
016707 DR	8	77	20	768	2.2	123	9	1472	2.11	121	5	ND	3	92	13.7	48	2	171	.21	.139	11	30	.05	1056	.01	14	.64	.01	.16	1	16	1500
016708 DR	8	85	18	841	2.7	129	9	1567	2.31	125	5	ND	4	105	13.9	51	2	180	.32	.170	12	31	.05	1044	.01	19	.67	.01	.18	1	22	3100
016709 DR	8	69	15	808	1.5	135	15	1525	2.02	91	5	ND	3	78	15.3	46	3	133	.17	.097	8	19	.05	917	.01	18	.58	.01	.17	1	15	1300
016710 DR	6	61	22	676	1.3	92	13	571	2.08	82	5	ND	4	92	9.6	33	2	112	.21	.118	11	20	.05	798	.01	13	.65	.01	.20	1	11	1600
016711 DR	3	54	10	718	1.1	81	8	235	2.12	87	5	ND	4	56	8.2	33	2	112	.13	.085	11	20	.05	499	.01	12	.60	.01	.19	1	10	800
016712 DR	6	54	18	809	1.0	94	9	382	2.25	96	5	ND	4	55	9.1	37	2	124	.11	.081	11	18	.05	672	.01	10	.59	.01	.17	1	15	1300
016713 DR	6	49	14	758	.8	92	8	474	2.02	85	5	ND	4	52	8.4	33	2	110	.11	.075	9	16	.04	544	.01	9	.52	.01	.15	1	14	1700
016714 DR	4	42	6	808	.5	102	8	636	2.09	84	5	ND	5	50	10.9	30	2	100	.13	.091	12	19	.05	566	.01	13	.62	.01	.17	1	9	1200
016715 DR	5	52	13	753	.6	97	11	798	1.78	88	5	ND	4	64	8.6	46	2	87	.12	.077	11	16	.04	761	.01	13	.53	.01	.15	1	25	1400

BCRC 90-43

016716 DR	5	103	47	795	1.8	107	16	812	2.78	442	5	ND	9	359	9.1	122	2	167	1.01	.558	33	92	.03	2673	.01	17	1.04	.01	.05	4	33	5600
016717 DR	6	102	44	981	1.6	117	15	422	3.34	920	8	ND	12	210	15.7	190	2	211	.24	.264	39	83	.02	2130	.01	2	.79	.01	.05	2	143	5800
016718 DR	11	113	43	726	2.8	102	9	336	2.21	514	6	ND	7	241	10.8	142	2	548	.32	.257	27	77	.03	2556	.01	6	.75	.01	.08	2	116	11000
016719 DR	10	118	26	348	2.7	63	5	129	1.17	175	5	ND	2	341	6.0	60	2	604	1.81	.768	21	80	.05	2267	.01	23	.71	.01	.11	1	49	6200
016720 DR	11	122	18	272	2.6	60	4	215	.94	112	5	ND	1	460	5.9	43	2	426	2.82	1.135	20	102	.04	2638	.01	16	.74	.01	.10	1	38	3800
016721 DR	9	103	18	437	2.2	70	5	363	1.45	178	5	ND	3	386	9.0	62	2	305	1.68	.763	22	67	.04	2368	.01	22	.82	.01	.11	3	29	2600
016722 DR	9	58	24	479	1.8	69	7	419	1.60	165	5	ND	7	167	7.4	59	2	174	.37	.199	35	23	.03	1169	.01	5	.67	.01	.12	1	15	2800
016723 DR	13	61	26	350	.9	85	6	279	1.04	81	5	ND	2	142	3.6	37	2	133	.46	.222	13	34	.02	1043	.01	2	.44	.01	.07	2	22	1600
016724 DR	43	58	19	455	1.0	117	8	288	1.12	82	5	ND	2	81	6.3	42	2	201	.27	.100	14	23	.03	751	.01	5	.38	.01	.09	1	22	3000
016725 DR	46	52	22	701	1.2	139	9	419	1.63	118	5	ND	4	74	11.7	48	2	214	.24	.085	22	20	.03	668	.01	4	.40	.01	.08	1	20	2400
016726 DR	26	45	22	908	1.1	127	9	445	2.05	138	5	ND	8	77	11.0	49	3	232	.21	.110	38	17	.03	702	.01	6	.54	.01	.08	2	18	2100
016727 DR	45	48	16	594	1.0	123	7	173	1.45	108	5	ND	3	89	9.0	45	2	238	.28	.092	19	24	.03	718	.01	6	.39	.01	.08	1	17	2200
016728 DR	40	46	11	466	.8	95	6	84	1.11	65	5	ND	2	67	7.4	32	2	261	.24	.055	14	19	.03	442	.01	4	.29	.01	.07	2	10	3900
016729 DR	42	57	70	439	.7	91	5	96	.97	55	5	ND	2	64	5.7	30	2	241	.18	.046	12	23	.03	554	.01	4	.25	.01	.07	2	7	3400
016730 DR	18	202	17	550	2.0	71	4	171	1.61	100	5	ND	3	121	10.6	79	2	1585	.34	.147	22	99	.06	1460	.01	10	.65	.01	.11	2	9	12200
016731 DR	20	244	31	536	2.7	74	3	79	1.45	79	5	ND	2	151	10.6	89	3	1640	.52	.204	22	109	.06	1528	.01	11	.66	.01	.12	4	12	18000
STANDARD C/AU-R	19	62	37	133	7.9	73	31	1056	3.81	43	17	8	36	52	18.5	16	19	59	.54	.094	38	61	.80	179	.07	37	1.94	.06	.13	12	540	1500

BCRC 90-44

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	Hg ppb
016732 DR	12	135	2	247	2.0	58	2	56	.69	40	5	ND	1	306	6.6	35	2	886	1.78	.710	17	96	.05	1729	.01	24	.59	.01	.11	1	18	19200
016733 DR	7	95	11	467	1.9	68	3	135	1.28	58	5	ND	4	269	7.1	35	3	344	.89	.437	22	54	.03	2047	.01	19	.65	.01	.09	2	15	10800
016734 DR	15	173	9	422	2.9	101	4	94	.97	44	8	ND	2	390	10.1	35	2	646	2.58	1.105	23	126	.04	1884	.01	22	.64	.01	.12	1	8	14000
016735 DR	8	108	7	420	2.5	84	5	134	1.15	51	7	ND	2	435	8.1	33	2	317	2.83	1.211	19	97	.04	1758	.01	31	.65	.01	.12	1	9	9100
016736 DR	6	63	7	220	2.7	53	3	132	.92	36	5	ND	1	283	6.8	14	3	203	1.52	.618	15	79	.02	1052	.01	12	.32	.01	.06	1	4	4800
016737 DR	5	56	13	190	2.8	45	2	98	.87	29	5	ND	1	299	6.4	12	2	147	1.86	.765	13	82	.02	1131	.01	14	.37	.01	.07	1	5	5000
016738 DR	6	61	2	198	2.7	43	2	52	.79	27	5	ND	1	331	5.3	11	2	244	2.06	.864	18	84	.02	1285	.01	28	.37	.01	.08	1	2	6300
016739 DR	18	86	2	361	1.7	66	5	312	.96	60	5	ND	2	135	4.6	20	2	294	.61	.265	13	43	.03	1007	.01	12	.41	.01	.10	1	9	11200
016740 DR	7	51	24	523	1.4	78	7	575	1.72	64	5	ND	5	88	8.3	27	4	128	.33	.145	15	24	.04	770	.01	26	.55	.01	.13	1	13	3200
016741 DR	5	51	5	446	1.1	66	7	454	1.89	68	5	ND	5	56	7.3	32	2	108	.17	.094	12	16	.03	619	.01	13	.40	.01	.13	1	11	2800
016742 DR	4	54	8	495	.7	67	9	341	1.55	51	5	ND	4	55	5.0	21	3	78	.12	.066	10	14	.04	610	.01	15	.51	.01	.15	1	21	2100
016743 DR	4	44	3	425	1.4	62	7	332	1.37	46	5	ND	2	36	4.2	21	2	61	.09	.043	5	12	.03	472	.01	14	.38	.01	.12	1	16	1700

BCRC 90-45

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	Hg ppb
016744 DR	4	90	34	341	4.9	40	4	192	1.57	208	5	ND	2	521	8.2	124	2	273	2.07	.994	21	122	.03	3061	.01	23	.70	.01	.12	1	57	5300
016745 DR	14	130	23	383	3.7	74	4	120	1.10	123	5	ND	2	273	6.0	83	2	1022	1.46	.614	16	92	.05	2146	.01	17	.62	.01	.13	1	50	7100
016746 DR	16	174	60	540	3.6	84	6	292	1.80	188	5	ND	3	353	9.5	123	2	871	1.35	.640	24	104	.05	2745	.01	26	.78	.01	.13	2	64	9300
016747 DR	10	106	27	1208	1.8	143	17	1129	3.63	292	5	ND	13	218	19.2	153	2	269	.84	.455	50	73	.03	1890	.01	9	.91	.01	.07	1	38	6500
016748 DR	7	71	26	800	.9	102	13	758	2.15	185	5	ND	9	162	10.7	91	2	206	.50	.288	33	54	.02	1534	.01	7	.62	.01	.05	1	33	8100
016749 DR	11	81	12	814	1.6	112	14	481	1.99	136	5	ND	7	139	8.4	73	2	218	.37	.201	26	45	.03	1506	.01	15	.54	.01	.09	1	33	7200
016750 DR	12	79	7	604	1.5	81	8	189	1.74	105	5	ND	3	271	5.2	57	2	217	2.35	1.001	16	44	.06	1533	.01	42	.87	.01	.19	1	16	4800
016751 DR	10	57	7	1185	1.0	120	15	688	3.16	147	5	ND	7	95	10.7	61	2	129	.47	.233	20	32	.07	945	.01	23	.77	.01	.24	1	14	2500
016752 DR	9	51	13	1336	.5	146	15	1038	3.57	131	5	ND	7	60	16.5	68	2	106	.17	.128	21	29	.05	789	.01	22	.60	.01	.20	1	17	2600
016753 DR	7	51	15	985	.5	128	14	769	2.98	88	5	ND	8	69	15.4	50	2	71	.24	.145	30	31	.07	716	.01	24	.74	.01	.26	1	12	1500
016754 DR	7	61	47	964	.4	129	13	760	3.53	89	5	ND	7	53	16.1	57	2	73	.17	.126	21	28	.05	648	.01	15	.61	.01	.20	1	10	1600
016755 DR	5	52	27	780	.5	101	13	663	3.00	89	5	ND	6	34	12.0	51	2	73	.10	.089	19	25	.05	432	.01	17	.53	.01	.19	1	12	1300
016756 DR	7	46	13	981	.5	108	12	717	2.78	112	5	ND	8	36	10.2	55	4	88	.12	.091	29	26	.04	463	.01	18	.46	.01	.16	1	27	1800
016757 DR	5	43	10	797	.4	86	11	491	2.67	90	5	ND	8	30	9.0	48	2	65	.08	.078	28	25	.04	349	.01	15	.45	.01	.17	1	13	1200

BCRC 90-47

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	Hg ppb
016772 DR	8	31	49	737	.3	83	21	1184	4.39	658	5	ND	15	91	3.8	323	4	65	.08	.075	43	31	.03	1375	.01	3	.64	.01	.05	1	114	1400
016773 DR	8	24	44	899	.6	89	19	904	4.58	649	5	ND	16	92	4.4	331	4	69	.08	.083	39	32	.03	1333	.01	4	.70	.01	.04	1	250	1300
016774 DR	8	24	57	702	1.4	71	15	804	3.95	646	5	ND	17	94	3.8	365	4	62	.18	.139	46	21	.03	1244	.01	6	.68	.01	.06	1	200	1800
016775 DR	9	22	52	624	2.3	65	13	1167	4.51	783	6	ND	15	80	4.5	386	3	52	.20	.111	41	14	.03	1076	.01	5	.59	.01	.08	1	87	2800
016776 DR	8	20	52	444	1.6	58	12	1003	4.23	722	5	ND	16	72	3.3	195	6	46	.47	.116	46	23	.03	920	.01	6	.58	.01	.07	1	630	2100
016777 DR	8	49	39	570	1.6	65	15	1556	4.79	1499	6	4	11	63	6.4	299	6	52	.61	.056	29	22	.04	908	.01	5	.51	.01	.07	1	2300	3900
016778 DR	7	23	24	526	.6	72	17	1237	3.98	332	5	ND	14	87	3.2	340	2	67	.11	.062	35	31	.03	1314	.01	5	.58	.01	.03	1	95	1500
016779 DR	9	12	34	725	.5	106	19	1796	3.82	281	5	ND	14	92	6.0	336	2	68	.08	.068	38	36	.03	1425	.01	11	.66	.01	.04	1	54	830
016780 DR	9	30	39	699	.7	106	15	1153	3.79	271	5	ND	9	117	7.1	332	2	49	.14	.109	38	31	.03	1499	.01	2	.66	.01	.07	1	99	1600
016781 DR	11	75	25	982	1.6	163	14	582	4.40	309	5	ND	8	121	7.1	271	3	36	.50	.217	33	33	.09	803	.01	18	.82	.01	.23	1	27	1800
STANDARD C/AU-R	18	61	35	131	7.5	68	29	1029	3.78	36	17	7	36	51	18.5	15	20	55	.49	.093	36	59	.84	180	.07	35	1.83	.06	.14	11	480	1400

... 852 E. HASTINGS ST. VANCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(6... ... 1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9007-037 File # 90-2474 Page 1

P.O. Box 2380, 1050 Davie St., Vancouver BC V6B 3T5

BCRC 90-31

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	Hg ppb
016572 DR	6	49	63	307	.3	44	10	303	3.41	109	5	ND	9	85	1.4	44	2	74	.48	.106	26	29	.33	813	.03	5	1.30	.01	.10	1	15	800
016573 DR	5	44	54	343	.2	47	11	220	3.05	80	5	ND	7	81	2.1	39	2	72	.41	.088	26	28	.33	818	.03	7	1.29	.01	.10	1	4	780
016574 DR	5	44	45	332	.2	49	10	234	3.14	83	5	ND	7	81	1.0	43	2	72	.42	.088	26	29	.33	779	.03	6	1.28	.01	.09	1	45	720
016575 DR	6	36	35	282	.3	39	10	233	2.90	185	5	ND	8	90	1.7	59	2	71	.39	.105	25	27	.22	858	.02	8	1.03	.01	.09	1	33	800
016576 DR	9	58	22	363	1.9	57	7	167	2.20	159	5	ND	5	153	2.2	124	2	140	.24	.132	20	50	.11	2477	.01	6	.76	.01	.06	1	270	1900
016577 DR	16	88	23	553	4.6	79	6	221	2.13	308	5	ND	4	358	7.7	585	2	293	.35	.284	17	67	.07	4988	.01	10	.79	.01	.06	1	730	4000
016578 DR	22	104	24	687	4.5	104	7	255	2.41	505	5	ND	3	409	8.5	707	2	332	.48	.325	16	76	.11	3956	.01	12	.77	.01	.06	1	1320	6800
016579 DR	14	69	13	488	3.4	70	5	113	1.70	330	5	ND	3	364	5.5	397	2	294	.33	.276	14	60	.08	4399	.01	8	.68	.01	.05	1	500	6200
016580 DR	16	85	18	559	3.6	81	7	110	2.10	374	5	ND	4	357	8.2	503	2	294	.26	.246	13	70	.09	4586	.01	4	.71	.01	.06	1	240	7000
016581 DR	13	70	20	275	7.7	46	5	60	1.41	263	5	ND	2	476	3.7	529	2	334	.20	.300	10	65	.03	6150	.01	10	.77	.01	.05	2	103	4100
016582 DR	12	63	40	412	1.4	67	12	253	3.31	126	5	ND	1	202	2.0	127	2	80	.86	.051	4	30	.67	45	.01	2	.52	.01	.11	1	52	1700
016583 DR	6	34	11	248	.2	48	12	388	2.94	118	5	ND	1	576	.9	14	2	21	3.36	.039	2	10	2.11	48	.01	5	.36	.01	.11	1	2	750
016584 DR	6	44	20	369	.1	71	19	455	4.19	.25	5	ND	1	126	1.5	17	2	30	.71	.032	2	16	.92	41	.01	2	.39	.01	.12	1	8	860
016758 DR	11	34	51	949	.5	97	13	1520	3.99	843	5	ND	9	66	5.6	279	2	57	.18	.102	32	26	.02	1030	.01	6	.55	.01	.10	1	540	2500
016759 DR	8	16	32	658	.1	76	14	1391	3.84	514	5	ND	12	42	3.7	93	2	28	.23	.110	43	16	.03	824	.01	6	.59	.01	.12	1	137	1600
016760 DR	8	14	29	527	.1	67	14	1429	3.80	575	5	ND	10	42	2.2	80	2	24	.14	.074	37	13	.03	808	.01	11	.52	.01	.11	1	116	2100
016761 DR	10	17	32	780	.6	73	15	1465	5.19	1981	5	2	12	46	3.4	381	2	49	.13	.083	43	16	.02	929	.01	4	.50	.01	.07	1	2440	2200
016762 DR	5	12	58	444	.1	43	10	754	3.35	701	5	ND	10	36	2.3	104	2	25	.17	.081	35	8	.02	535	.01	7	.46	.01	.11	1	233	1800
016763 DR	5	32	22	403	.3	38	6	420	2.45	319	5	ND	7	142	3.8	70	2	116	.93	.375	31	20	.04	706	.01	11	.78	.01	.17	1	201	2600
016764 DR	6	81	12	201	1.7	35	3	226	1.17	129	5	ND	2	333	3.0	46	2	334	1.98	.782	17	49	.05	1471	.01	20	.74	.01	.16	1	69	4300
016765 DR	7	35	50	880	1.1	103	13	1243	3.56	215	5	ND	13	77	8.7	78	2	85	.50	.227	50	20	.03	796	.01	8	.73	.01	.10	1	37	2300
016766 DR	7	22	111	1211	2.0	135	18	1731	3.75	207	5	ND	14	40	8.6	88	3	75	.44	.186	57	16	.09	622	.01	7	.76	.01	.15	1	7	2000
016767 DR	6	48	34	513	1.4	60	6	466	1.88	123	5	ND	4	307	6.3	63	2	183	1.56	.658	23	62	.04	1909	.01	14	.85	.01	.11	1	10	3400
016768 DR	7	57	26	416	.5	51	6	362	1.45	187	5	ND	3	333	4.0	48	2	154	1.04	.521	13	50	.02	2846	.01	10	.71	.01	.06	1	8	4800
016769 DR	7	54	12	641	.5	81	12	301	3.48	192	5	ND	6	124	5.6	56	2	142	.29	.158	26	28	.04	1062	.01	15	.67	.01	.13	1	45	3500
016770 DR	5	66	9	518	.6	83	12	290	2.49	98	5	ND	4	96	4.9	40	2	91	.20	.085	15	22	.04	574	.01	13	.48	.01	.13	1	22	2100
016771 DR	12	61	19	538	.6	88	12	215	3.15	116	5	ND	6	215	5.5	58	2	119	.40	.171	21	32	.06	1059	.01	25	.89	.01	.24	1	45	1300
016800 DR	14	66	35	725	1.3	83	11	252	4.89	988	5	ND	8	308	18.0	731	2	82	.16	.263	27	33	.04	4047	.01	9	.83	.01	.11	1	19	2800
016801 DR	6	58	33	473	.2	57	10	213	2.71	94	5	ND	7	54	4.6	335	2	28	.06	.060	25	18	.06	691	.01	8	.52	.01	.16	1	5	790
016802 DR	6	36	17	292	.2	40	6	201	1.91	74	5	ND	6	44	2.7	289	2	31	.07	.037	25	15	.06	496	.01	9	.51	.01	.18	1	19	720
016803 DR	8	33	18	240	.1	43	6	168	2.12	95	5	ND	7	143	2.5	338	2	34	.09	.076	27	24	.05	722	.01	7	.59	.01	.16	1	10	1100
016804 DR	6	42	24	207	.3	40	10	636	1.72	77	5	ND	7	114	2.5	273	2	33	.08	.065	27	38	.04	914	.01	7	.57	.01	.16	1	14	800
016805 DR	9	45	39	330	1.4	52	11	637	2.41	126	5	ND	6	122	3.0	244	2	43	.09	.072	14	25	.05	1181	.01	6	.58	.01	.19	1	29	1800
016806 DR	5	45	40	422	2.0	49	7	129	2.21	105	5	ND	8	435	3.1	142	4	45	.18	.216	30	29	.10	1664	.01	11	1.05	.01	.34	1	9	1700
016807 DR	7	151	58	598	1.1	69	8	101	2.93	170	5	ND	9	1044	5.3	146	2	93	1.14	.782	51	45	.14	3214	.01	20	1.92	.01	.46	1	19	1500
016808 DR	8	38	103	512	2.3	55	13	95	2.83	113	5	ND	9	201	2.1	100	2	38	.11	.135	31	27	.04	1896	.01	7	.74	.01	.19	1	17	5100
STANDARD C/AU-R	18	58	38	132	7.0	68	31	1024	3.95	38	18	7	37	51	18.9	19	22	56	.51	.091	35	57	.91	181	.08	33	1.93	.06	.14	14	550	1600

BCRC 90-46

BCRC 90-49

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: P1-P5 Cutting P6-P8 Rock AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: JUL 12 1990 **DATE REPORT MAILED:** July 18/90 SIGNED BY ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

BCRC 90-44

BCRC 90-45

BCRC 90-47

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	Hg ppb
016732 DR	12	135	2	247	2.0	58	2	56	.69	40	5	ND	1	306	6.6	35	2	886	1.78	.710	17	96	.05	1729	.01	24	.59	.01	.11	1	18	19200
016733 DR	7	95	11	467	1.9	68	3	135	1.28	58	5	ND	4	269	7.1	35	3	344	.89	.437	22	54	.03	2047	.01	19	.65	.01	.09	2	15	10800
016734 DR	15	173	9	422	2.9	101	4	94	.97	44	8	ND	2	390	10.1	35	2	646	2.58	1.105	23	126	.04	1884	.01	22	.64	.01	.12	1	8	14000
016735 DR	8	108	7	420	2.5	84	5	134	1.15	51	7	ND	2	435	8.1	33	2	317	2.83	1.211	19	97	.04	1758	.01	31	.65	.01	.12	1	9	9100
016736 DR	6	63	7	220	2.7	53	3	132	.92	36	5	ND	1	283	6.8	14	3	203	1.52	.618	15	79	.02	1052	.01	12	.32	.01	.06	1	4	4800
016737 DR	5	56	13	190	2.8	45	2	98	.87	29	5	ND	1	299	6.4	12	2	147	1.86	.765	13	82	.02	1131	.01	14	.37	.01	.07	1	5	5000
016738 DR	6	61	2	198	2.7	43	2	52	.79	27	5	ND	1	331	5.3	11	2	244	2.06	.864	18	84	.02	1285	.01	28	.37	.01	.08	1	2	6300
016739 DR	18	86	2	361	1.7	66	5	312	.96	40	5	ND	2	135	4.6	20	2	294	.61	.265	13	43	.03	1007	.01	12	.41	.01	.10	1	9	11200
016740 DR	7	51	24	523	1.4	78	7	575	1.72	64	5	ND	5	88	8.3	27	4	128	.33	.145	15	24	.04	770	.01	26	.55	.01	.13	1	13	3200
016741 DR	5	51	5	446	1.1	66	7	454	1.89	68	5	ND	5	56	7.3	32	2	108	.17	.094	12	16	.03	619	.01	13	.40	.01	.13	1	11	2800
016742 DR	4	54	8	495	.7	67	9	341	1.55	51	5	ND	4	55	5.0	21	3	78	.12	.066	10	14	.04	610	.01	15	.51	.01	.15	1	21	2100
016743 DR	4	44	3	425	1.4	62	7	332	1.37	46	5	ND	2	36	4.2	21	2	61	.09	.043	5	12	.03	472	.01	14	.38	.01	.12	1	16	1700
016744 DR	4	90	34	341	4.9	40	4	192	1.57	208	5	ND	2	521	8.2	124	2	273	2.07	.994	21	122	.03	3061	.01	23	.70	.01	.12	1	57	5300
016745 DR	14	130	23	383	3.7	74	4	120	1.10	123	5	ND	2	273	6.0	83	2	1022	1.46	.614	16	92	.05	2146	.01	17	.62	.01	.13	1	50	7100
016746 DR	16	174	60	540	3.6	84	6	292	1.80	188	5	ND	3	353	9.5	123	2	871	1.35	.640	24	104	.05	2745	.01	26	.78	.01	.13	2	64	9300
016747 DR	10	106	27	1208	1.8	143	17	1129	3.63	292	5	ND	13	218	19.2	153	2	269	.84	.455	50	73	.03	1890	.01	9	.91	.01	.07	1	38	6500
016748 DR	7	71	26	800	.9	102	13	758	2.15	185	5	ND	9	162	10.7	91	2	206	.50	.288	33	54	.02	1534	.01	7	.62	.01	.05	1	33	8100
016749 DR	11	81	12	814	1.6	112	14	481	1.99	136	5	ND	7	139	8.4	73	2	218	.37	.201	26	45	.03	1506	.01	15	.54	.01	.09	1	33	7200
016750 DR	12	79	7	604	1.5	81	8	189	1.74	105	5	ND	3	271	5.2	57	2	217	2.35	1.001	16	44	.06	1533	.01	42	.87	.01	.19	1	16	4800
016751 DR	10	57	7	1185	1.0	120	15	688	3.16	147	5	ND	7	95	10.7	61	2	129	.47	.233	20	32	.07	945	.01	23	.77	.01	.24	1	14	2500
016752 DR	9	51	13	1336	.5	146	15	1038	3.57	131	5	ND	7	60	16.5	68	2	106	.17	.128	21	29	.05	789	.01	22	.60	.01	.20	1	17	2600
016753 DR	7	51	15	985	.5	128	14	769	2.98	88	5	ND	8	69	15.4	50	2	71	.24	.145	30	31	.07	716	.01	24	.74	.01	.26	1	12	1500
016754 DR	7	61	47	964	.4	129	13	760	3.53	89	5	ND	7	53	16.1	57	2	73	.17	.126	21	28	.05	648	.01	15	.61	.01	.20	1	10	1600
016755 DR	5	52	27	780	.5	101	13	663	3.00	89	5	ND	6	34	12.0	51	2	73	.10	.089	19	25	.05	432	.01	17	.53	.01	.19	1	12	1300
016756 DR	7	46	13	981	.5	108	12	717	2.78	112	5	ND	8	36	10.2	55	4	88	.12	.091	29	26	.04	463	.01	18	.46	.01	.16	1	27	1800
016757 DR	5	43	10	797	.4	86	11	491	2.67	90	5	ND	8	30	9.0	48	2	65	.08	.078	28	25	.04	349	.01	15	.45	.01	.17	1	13	1200
016772 DR	8	31	49	737	.3	83	21	1184	4.39	658	5	ND	15	91	3.8	323	4	65	.08	.075	43	31	.03	1375	.01	3	.64	.01	.05	1	114	1400
016773 DR	8	24	44	899	.6	89	19	904	4.58	649	5	ND	16	92	4.4	331	4	69	.08	.083	39	32	.03	1333	.01	4	.70	.01	.04	1	250	1300
016774 DR	8	24	57	702	1.4	71	15	804	3.95	646	5	ND	17	94	3.8	365	4	62	.18	.119	46	21	.03	1244	.01	6	.68	.01	.06	1	200	1800
016775 DR	9	22	52	624	2.3	65	13	1167	4.51	783	6	ND	15	80	4.5	386	3	52	.20	.111	41	14	.03	1076	.01	5	.59	.01	.08	1	87	2800
016776 DR	8	20	52	444	1.6	58	12	1003	4.23	722	5	ND	16	72	3.3	195	6	46	.47	.116	46	23	.03	920	.01	6	.58	.01	.07	1	630	2100
016777 DR	8	49	39	570	1.6	65	15	1556	4.79	1499	6	4	11	63	4.4	299	6	52	.61	.056	29	22	.04	908	.01	5	.51	.01	.07	1	2300	3900
016778 DR	7	23	24	526	.6	72	17	1237	3.98	332	5	ND	14	87	3.2	340	2	67	.11	.062	35	31	.03	1314	.01	5	.58	.01	.03	1	95	1500
016779 DR	9	12	34	725	.5	106	19	1796	3.82	281	5	ND	14	92	6.0	336	2	68	.08	.068	38	36	.03	1425	.01	11	.66	.01	.04	1	54	830
016780 DR	9	30	39	699	.7	186	15	1153	3.79	271	5	ND	9	117	7.1	332	2	49	.14	.109	38	31	.03	1499	.01	2	.66	.01	.07	1	99	1600
016781 DR	11	75	25	982	1.6	163	14	582	4.40	309	5	ND	8	121	7.1	271	3	36	.50	.217	33	33	.09	803	.01	18	.82	.01	.23	1	27	1800
STANDARD C/AU-R	18	61	35	131	7.5	68	29	1029	3.78	36	17	7	36	51	18.5	15	20	55	.49	.093	36	59	.84	180	.07	35	1.83	.06	.14	11	480	1400

BCRC 90-47

BCRC 90-48

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	Hg ppb
016782 DR	4	43	7	347	.2	42	8	346	1.68	88	5	ND	5	76	2.8	91	2	12	.11	.038	20	11	.05	428	.01	12	.47	.01	.15	1	8	300
016783 DR	6	46	10	529	.3	71	13	638	3.06	97	5	ND	5	111	2.6	112	2	14	2.62	.059	20	12	1.17	595	.01	11	.56	.01	.18	1	13	810
016784 DR	2	39	14	175	.2	31	6	326	1.72	40	5	ND	5	112	.2	37	2	12	.98	.061	22	11	.23	458	.01	18	.47	.01	.20	1	8	460
016785 DR	3	46	28	210	.1	32	6	566	2.29	36	5	ND	5	40	.2	52	2	10	.78	.024	22	9	.25	420	.01	8	.45	.01	.19	1	14	320
016786 DR	5	29	19	388	.3	32	11	579	3.71	225	5	ND	13	28	1.8	67	2	42	.52	.126	42	18	.11	342	.01	5	.48	.01	.11	1	22	1900
016787 DR	5	25	26	489	.7	34	13	705	4.35	180	5	ND	16	24	2.3	60	2	54	.35	.134	47	23	.04	390	.01	5	.60	.01	.09	1	18	2100
016788 DR	8	25	31	464	.7	35	12	933	4.11	571	5	ND	15	48	1.7	245	4	40	.26	.113	46	16	.03	773	.01	5	.49	.01	.07	1	810	1700
016789 DR	14	31	29	454	.9	40	12	612	4.50	445	5	ND	14	46	1.0	194	2	42	.25	.108	40	43	.04	620	.01	5	.55	.01	.07	1	580	1800
016790 DR	8	30	32	533	.4	52	15	997	4.07	290	5	ND	13	52	1.8	106	2	47	.15	.079	34	26	.04	876	.01	8	.53	.01	.06	1	61	1700
016791 DR	8	12	30	723	.2	60	17	932	4.52	167	5	ND	13	54	3.1	103	2	73	.06	.055	32	43	.03	966	.01	3	.63	.01	.05	1	16	1100
016792 DR	10	16	50	862	.5	74	18	1006	4.87	260	5	ND	12	52	3.9	180	2	50	.09	.073	34	31	.03	954	.01	5	.62	.01	.08	1	25	1600
016793 DR	19	49	120	743	1.9	85	17	983	3.63	304	5	ND	8	54	5.5	205	5	325	.11	.071	27	32	.03	1256	.03	9	.53	.01	.07	1	22	2900
016794 DR	15	114	26	806	2.7	138	11	1030	3.56	296	9	ND	5	272	6.0	162	2	183	.87	.445	26	90	.08	2872	.01	14	1.18	.01	.20	1	17	1800
016795 DR	9	61	86	512	3.3	86	15	1240	2.40	165	5	ND	4	117	4.1	143	3	39	.24	.128	13	23	.04	971	.01	8	.50	.01	.11	1	30	1400
016796 DR	14	80	43	695	1.6	136	30	2360	2.83	227	5	ND	6	270	6.2	125	2	52	.14	.106	23	19	.05	1024	.01	12	.74	.01	.15	1	19	1200
016797 DR	15	56	35	889	.3	106	26	1228	4.66	193	5	ND	8	37	3.7	135	4	21	.07	.058	27	13	.06	546	.01	12	.64	.01	.17	1	9	800
016798 DR	12	35	18	555	.6	66	14	331	3.51	111	5	ND	8	31	.9	88	2	15	.06	.042	29	13	.06	476	.01	11	.52	.01	.16	1	14	420
016799 DR	9	39	25	404	.5	54	8	312	2.67	60	5	ND	8	29	.4	54	2	13	.06	.039	27	11	.06	413	.01	8	.46	.01	.16	1	12	320
STANDARD C/AU-R	17	58	39	133	7.2	67	31	1030	4.06	39	20	7	37	47	17.4	15	19	56	.52	.098	36	56	.93	175	.07	36	1.92	.06	.14	11	470	1600

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9007-037 File # 90-2474 Page 1

P.O. Box 2380, 1050 Davie St., Vancouver BC V6B 3T5

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	Hg ppb
016572 DR	6	49	63	307	.3	44	10	303	3.41	109	5	ND	9	85	1.4	44	2	74	.48	.106	26	29	.33	813	.03	5	1.30	.01	.10	1	15	800
016573 DR	5	44	54	343	.2	47	11	220	3.05	80	5	ND	7	81	2.1	39	2	72	.41	.088	26	28	.33	818	.03	7	1.29	.01	.10	1	4	780
016574 DR	5	44	45	332	.2	49	10	234	3.14	83	5	ND	7	81	1.0	43	2	72	.42	.088	26	29	.33	779	.03	6	1.28	.01	.09	1	45	720
016575 DR	6	36	35	282	.3	39	10	233	2.90	105	5	ND	8	90	1.7	59	2	71	.39	.105	25	27	.22	858	.02	8	1.03	.01	.09	1	33	800
016576 DR	9	58	22	363	1.9	57	7	167	2.20	159	5	ND	5	153	2.2	124	2	140	.24	.132	20	50	.11	2477	.01	6	.76	.01	.06	1	270	1900
016577 DR	16	88	23	553	4.6	79	6	221	2.13	308	5	ND	4	358	7.7	585	2	293	.35	.284	17	67	.07	4988	.01	10	.79	.01	.06	1	730	4000
016578 DR	22	104	24	687	4.5	104	7	255	2.41	505	5	ND	3	409	8.5	707	2	332	.48	.325	16	76	.11	3956	.01	12	.77	.01	.06	1	1320	6800
016579 DR	14	69	13	488	3.4	70	5	113	1.70	330	5	ND	3	364	5.5	397	2	294	.33	.276	14	60	.08	4399	.01	8	.68	.01	.05	1	500	6200
016580 DR	16	85	18	559	3.6	81	7	110	2.10	374	5	ND	4	357	8.2	503	2	294	.26	.246	13	70	.09	4586	.01	4	.71	.01	.06	1	240	7000
016581 DR	13	70	20	275	7.7	46	5	60	1.41	265	5	ND	2	476	3.7	529	2	334	.20	.300	10	65	.03	6150	.01	10	.77	.01	.05	2	103	4100
016582 DR	12	63	40	412	1.4	67	12	253	3.31	126	5	ND	1	202	2.0	127	2	80	.86	.051	4	30	.67	45	.01	2	.52	.01	.11	1	52	1700
016583 DR	6	34	11	248	.2	48	12	388	2.94	118	5	ND	1	576	.9	14	2	21	3.36	.039	2	10	2.11	48	.01	5	.36	.01	.11	1	2	750
016584 DR	6	44	20	369	.1	71	19	455	4.19	25	5	ND	1	126	1.5	17	2	30	.71	.032	2	16	.92	41	.01	2	.39	.01	.12	1	8	860
016758 DR	11	34	51	949	.5	97	13	1520	3.99	643	5	ND	9	66	5.6	279	2	57	.18	.102	32	26	.02	1030	.01	6	.55	.01	.10	1	540	2500
016759 DR	8	16	32	658	.1	76	14	1391	3.84	514	5	ND	12	42	3.7	93	2	28	.23	.110	43	16	.03	824	.01	6	.59	.01	.12	1	137	1600
016760 DR	8	14	29	527	.1	67	14	1429	3.80	575	5	ND	10	42	2.2	80	2	24	.14	.074	37	13	.03	808	.01	11	.52	.01	.11	1	116	2100
016761 DR	10	17	32	780	.6	73	15	1465	5.19	1981	5	2	12	46	3.4	381	2	49	.13	.083	43	16	.02	929	.01	4	.50	.01	.07	1	2440	2200
016762 DR	5	12	58	444	.1	43	10	754	3.35	701	5	ND	10	36	2.3	104	2	25	.17	.081	35	8	.02	535	.01	7	.46	.01	.11	1	233	1800
016763 DR	5	32	22	403	.3	38	6	420	2.45	319	5	ND	7	142	3.8	70	2	116	.93	.375	31	20	.04	706	.01	11	.78	.01	.17	1	201	2600
016764 DR	6	81	12	201	1.7	35	3	226	1.17	129	5	ND	2	333	3.0	46	2	334	1.98	.782	17	49	.05	1471	.01	20	.74	.01	.16	1	69	4300
016765 DR	7	35	50	880	1.1	103	13	1243	3.56	215	5	ND	13	77	8.7	78	2	85	.50	.227	53	20	.03	796	.01	8	.73	.01	.10	1	37	2300
016766 DR	7	22	111	1211	2.0	135	18	1731	3.75	207	5	ND	14	40	8.6	88	3	75	.44	.186	57	16	.09	622	.01	7	.76	.01	.15	1	7	2000
016767 DR	6	48	34	513	1.4	60	6	466	1.88	123	5	ND	4	307	6.3	63	2	183	1.56	.658	23	62	.04	1909	.01	14	.85	.01	.11	1	10	3400
016768 DR	7	57	26	416	.5	51	6	362	1.45	187	5	ND	3	333	4.0	48	2	154	1.04	.521	13	50	.02	2846	.01	10	.71	.01	.06	1	8	4800
016769 DR	7	54	12	641	.5	81	12	301	3.48	192	5	ND	6	124	5.6	56	2	142	.29	.158	26	28	.04	1062	.01	15	.67	.01	.13	1	45	3500
016770 DR	5	66	9	518	.6	83	12	290	2.49	98	5	ND	4	96	4.9	40	2	91	.20	.085	15	22	.04	574	.01	13	.48	.01	.13	1	22	2100
016771 DR	12	61	19	538	.6	88	12	215	3.15	116	5	ND	6	215	5.5	58	2	119	.40	.171	28	32	.06	1059	.01	25	.89	.01	.24	1	45	1300
016800 DR	14	66	35	725	1.3	83	11	252	4.89	988	5	ND	8	308	18.0	731	2	82	.16	.263	27	33	.04	4047	.01	9	.83	.01	.11	1	19	2800
016801 DR	6	58	33	473	.2	57	10	213	2.71	94	5	ND	7	54	4.6	335	2	28	.06	.060	25	18	.06	691	.01	8	.52	.01	.16	1	5	790
016802 DR	6	36	17	292	.2	40	6	201	1.91	74	5	ND	6	44	2.7	289	2	31	.07	.037	25	15	.06	496	.01	9	.51	.01	.18	1	19	720
016803 DR	8	33	18	240	.1	43	6	168	2.12	95	5	ND	7	143	2.5	338	2	34	.09	.076	27	24	.05	722	.01	7	.59	.01	.16	1	10	1100
016804 DR	6	42	24	207	.3	40	10	636	1.72	77	5	ND	7	114	2.5	273	2	33	.08	.065	27	38	.04	914	.01	7	.57	.01	.16	1	14	800
016805 DR	9	45	39	330	1.4	52	11	637	2.41	126	5	ND	6	122	3.0	244	2	43	.09	.072	16	25	.05	1181	.01	6	.58	.01	.19	1	29	1800
016806 DR	5	45	40	422	2.0	49	7	129	2.21	105	5	ND	8	435	3.1	142	4	45	.18	.216	30	29	.10	1664	.01	11	1.05	.01	.34	1	9	1700
016807 DR	7	151	58	598	1.1	69	8	101	2.93	170	5	ND	9	1044	5.3	146	2	93	1.14	.782	51	45	.14	3214	.01	20	1.92	.01	.46	1	19	1500
016808 DR	8	38	103	512	2.3	55	13	95	2.83	113	5	ND	9	201	2.1	100	2	38	.11	.135	31	27	.04	1896	.01	7	.74	.01	.19	1	17	5100
STANDARD C/AU-R	18	58	38	132	7.0	68	31	1024	3.95	38	18	7	37	51	18.9	19	22	56	.51	.091	35	57	.91	181	.08	33	1.93	.06	.14	14	550	1600

BCRL 90-31

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: P1-P5 Cutting P6-P8 Rock AU ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: JUL 12 1990 DATE REPORT MAILED: July 18/90 SIGNED BY ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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	Hg ppb
016809 DR	7	41	33	221	.8	36	5	119	1.69	52	5	ND	3	237	1.2	78	2	45	.10	.131	15	21	.06	2372	.01	11	.58	.01	.13	1	21	1700
016810 DR	11	34	85	391	2.9	80	13	199	2.51	68	5	ND	5	475	1.3	102	2	71	.09	.315	23	33	.07	5233	.01	9	1.00	.01	.17	2	41	1500
016811 DR	13	66	109	671	2.6	109	12	196	4.62	301	5	ND	6	591	1.6	111	3	98	.12	.382	24	37	.05	1905	.01	10	1.11	.01	.16	1	250	2900
016812 DR	7	47	225	470	2.3	51	9	340	3.76	529	5	ND	8	91	1.8	81	2	18	.09	.092	27	8	.03	613	.01	5	.47	.01	.11	1	260	1200
016813 DR	4	24	59	303	1.2	22	9	319	3.46	329	5	ND	8	53	1.7	33	2	15	.07	.066	28	6	.03	601	.01	6	.51	.01	.12	1	14	2500
016814 DR	5	35	56	278	2.5	27	4	95	2.69	1728	5	8	9	93	8.9	809	2	52	.11	.048	37	18	.03	982	.01	3	.53	.01	.08	2	10980	6800
016815 DR	4	35	24	173	.4	29	4	106	1.13	276	5	ND	3	128	1.2	51	2	40	.05	.022	11	15	.02	1111	.01	10	.46	.01	.06	1	880	2300
016816 DR	4	22	14	188	.2	43	6	72	1.72	111	5	ND	3	96	.7	16	2	24	.09	.013	10	17	.03	1007	.01	9	.27	.01	.08	1	94	1900
016817 DR	4	17	13	80	.2	17	3	108	.90	56	5	ND	2	229	.5	9	2	27	.05	.008	7	8	.02	1256	.01	4	.18	.01	.05	1	63	1300
016818 DR	1	7	11	12	.3	1	1	13	.15	30	5	ND	1	324	.5	11	2	28	.03	.004	2	4	.01	1283	.01	5	.06	.01	.01	1	144	710
016819 DR	4	22	13	298	.4	26	5	212	1.07	43	5	ND	1	310	4.6	8	2	76	.62	.007	8	12	.32	1304	.01	6	.21	.01	.06	1	26	1600
016820 DR	5	22	13	108	.1	9	2	31	.99	68	5	ND	1	305	1.0	12	2	64	.04	.010	4	13	.01	1226	.01	4	.17	.01	.02	1	27	950
016821 DR	18	52	34	137	.3	21	5	26	3.69	55	5	ND	8	58	.5	5	2	28	.14	.028	39	21	.06	120	.01	10	.60	.01	.25	1	23	5600
016822 DR	15	69	32	207	.5	38	6	40	4.68	81	5	ND	9	79	.2	8	2	36	.09	.067	36	24	.06	227	.01	13	.77	.01	.22	1	27	1400
016823 DR	8	41	95	451	.7	38	11	452	4.74	1111	5	ND	11	66	6.5	16	2	22	.11	.064	35	13	.04	1450	.01	8	.66	.01	.16	2	188	4400
016824 DR	8	56	39	606	.5	70	20	1179	4.53	186	5	ND	9	48	9.1	8	3	28	.11	.041	27	19	.04	1819	.01	3	.70	.01	.12	1	39	4200
016825 DR	10	65	24	484	.1	83	22	714	4.84	52	5	ND	8	70	2.9	4	4	28	.35	.041	33	21	.10	1382	.01	15	.81	.01	.22	1	15	1500
016826 DR	7	46	18	200	.1	72	16	640	3.43	15	5	ND	8	280	.6	2	5	23	5.55	.062	29	17	.16	3230	.01	16	.80	.01	.25	1	2	1100
016827 DR	8	46	12	150	.1	64	14	432	3.07	17	5	ND	7	323	.8	2	2	22	6.38	.037	28	16	.14	2848	.01	14	.73	.01	.25	1	7	700
016828 DR	8	49	14	145	.2	66	14	324	2.69	12	5	ND	8	248	1.5	3	2	16	5.15	.043	29	14	.14	2746	.01	18	.79	.01	.25	1	5	750
016829 DR	9	43	14	126	.1	56	12	233	2.37	20	5	ND	6	280	.9	2	3	11	4.63	.038	26	9	.09	2859	.01	13	.63	.01	.20	1	11	640
016830 DR	10	38	18	108	.1	50	11	425	2.99	24	6	ND	6	500	.9	2	2	20	8.37	.033	20	12	.70	2407	.01	13	.59	.01	.17	1	1	760
016831 DR	11	49	21	155	.1	74	16	211	3.05	20	5	ND	8	360	.5	2	2	16	4.45	.052	31	13	.13	2546	.01	18	.86	.01	.26	1	2	1200
016832 DR	12	51	24	154	.1	75	16	130	3.67	16	5	ND	8	159	.5	2	2	14	2.05	.041	33	13	.10	2313	.01	16	.82	.01	.23	1	2	1800
016833 DR	21	49	18	163	.1	61	13	272	3.55	46	5	ND	6	359	.6	4	2	28	5.17	.030	26	13	.26	6679	.01	15	.99	.01	.23	1	2	4900
016834 DR	18	56	19	252	.1	75	17	180	2.92	54	5	ND	5	458	3.0	3	2	38	4.01	.048	22	16	.12	14152	.01	11	1.89	.03	.46	1	2	4000
016835 DR	9	40	12	149	.1	50	14	330	2.54	49	5	ND	6	542	2.1	6	2	26	7.55	.036	19	13	1.58	8710	.01	12	1.17	.03	.33	1	3	2500
016836 DR	10	46	21	157	.5	59	11	299	3.07	55	5	ND	7	444	1.4	5	2	15	7.68	.030	25	11	.13	2607	.01	14	.66	.01	.20	1	60	2700
016837 DR	9	37	14	147	.8	48	10	411	3.05	68	5	ND	7	436	1.2	5	2	14	10.23	.024	20	8	.14	1531	.01	12	.51	.01	.17	1	72	2600
016838 DR	3	29	51	155	.2	21	11	1090	4.10	1071	5	ND	15	69	.2	42	2	50	.81	.062	40	22	.12	1880	.01	4	.56	.01	.09	2	850	5400
016839 DR	2	25	66	175	.4	18	12	1116	4.16	1631	5	ND	16	64	.2	49	2	44	.63	.020	49	22	.05	1432	.01	6	.58	.01	.11	2	1580	7100
016840 DR	2	26	58	176	.4	17	12	951	4.02	1515	5	ND	17	36	.2	590	4	40	.45	.123	53	19	.04	1003	.01	4	.50	.01	.12	2	1420	5000
016841 DR	2	29	46	210	.1	46	15	1052	3.92	996	7	ND	17	30	.2	270	2	41	.52	.129	55	20	.14	784	.01	3	.76	.01	.15	2	500	1300
016842 DR	2	22	24	161	.4	28	11	1214	4.06	1691	6	ND	17	44	1.1	286	2	32	.37	.110	50	15	.04	932	.01	6	.49	.01	.11	2	1600	5200
016843 DR	2	20	29	216	.1	26	11	908	3.53	547	5	ND	18	32	.2	51	2	53	.44	.125	53	24	.16	528	.01	6	.84	.01	.13	2	230	2100
016844 DR	2	17	32	154	.2	20	11	1049	3.73	876	5	ND	17	38	1.0	42	2	53	.52	.116	54	26	.21	1193	.02	6	.78	.01	.15	2	720	2800
STANDARD C/AU-R	18	58	37	132	7.2	67	29	1032	4.09	40	18	7	36	52	17.7	15	19	55	.53	.098	36	60	.94	179	.08	35	1.95	.06	.14	11	520	1500

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	Hg ppb
016845 DR	2	17	37	337	.4	39	13	1280	4.31	717	5	ND	17	59	3.0	116	2	54	.87	.087	48	22	.05	1757	.01	6	.66	.01	.06	1	780	2400
016846 DR	1	19	35	355	.3	56	12	892	3.56	881	5	ND	17	42	3.2	126	2	52	.44	.120	60	20	.12	984	.01	2	1.01	.01	.12	1	990	2100
016847 DR	1	14	32	150	.1	20	10	825	3.51	187	5	ND	17	45	1.0	37	3	62	.80	.105	50	27	.51	1484	.10	2	1.43	.02	.34	1	160	1400
016848 DR	1	17	27	193	.6	26	13	1329	4.24	1369	5	ND	19	65	.2	57	2	37	.28	.085	54	16	.04	1005	.01	11	.55	.01	.07	1	980	2300
016849 DR	1	13	19	151	.1	18	12	1349	3.72	661	5	ND	18	46	.2	23	2	49	1.20	.105	56	19	.06	643	.01	4	.63	.01	.07	1	450	2500
016850 DR	1	14	25	133	.1	19	12	1125	3.53	356	5	ND	19	30	.3	25	2	60	.59	.117	56	24	.04	359	.01	6	.65	.01	.06	1	290	3400
016851 DR	3	18	28	144	.1	22	12	1251	3.86	852	5	ND	20	48	.8	45	2	57	.35	.106	55	21	.03	642	.01	6	.68	.01	.06	1	930	3200
016852 DR	2	17	27	253	1.4	25	13	1155	3.70	2652	5	6	15	58	.8	140	2	39	.19	.053	41	17	.02	833	.01	5	.50	.01	.06	1	7610	2700
016853 DR	4	19	21	132	2.3	17	6	193	3.13	3692	5	7	8	76	1.1	106	2	49	.15	.040	22	13	.02	1045	.01	4	.41	.01	.07	1	11050	4300
016854 DR	4	19	23	163	1.3	16	6	102	3.26	2237	5	3	9	76	.2	115	2	28	.10	.037	24	9	.01	600	.01	5	.40	.01	.08	1	3100	3300
016855 DR	16	31	23	100	3.8	13	3	61	1.71	1148	5	ND	3	371	1.9	60	2	278	.15	.252	11	39	.02	3498	.01	6	.65	.01	.08	1	240	6700
016856 DR	14	30	42	293	1.0	35	3	35	2.36	954	5	ND	7	80	.3	52	3	112	.09	.058	22	13	.02	944	.01	5	.48	.01	.09	1	230	4700
016857 DR	9	28	26	192	.2	18	3	100	1.62	338	5	ND	2	105	1.6	32	2	65	.04	.022	5	13	.01	2100	.01	6	.22	.01	.04	1	39	1500
016858 DR	9	48	15	298	.2	68	15	1038	3.02	60	5	ND	6	377	3.8	11	2	30	7.52	.034	24	15	.42	2201	.01	8	.56	.01	.15	1	13	1300
016859 DR	8	44	9	134	.1	52	12	390	2.87	35	5	ND	6	398	1.2	3	2	21	7.01	.027	24	12	.77	2304	.01	14	.60	.01	.18	1	16	400
016860 DR	8	39	22	130	.3	49	13	452	2.85	25	5	ND	7	513	1.5	4	2	17	8.57	.029	23	13	1.04	2270	.01	17	.58	.01	.16	1	4	150
016861 DR	7	40	17	125	.2	47	12	384	2.88	22	5	ND	6	471	1.3	4	2	17	8.23	.028	22	12	1.15	1932	.01	13	.60	.01	.16	1	4	120
016862 DR	2	19	46	155	.2	19	11	573	3.11	151	5	ND	13	45	.6	102	2	57	.37	.094	39	27	.50	2507	.02	2	1.14	.01	.11	1	94	910
016863 DR	1	14	32	100	.1	11	10	525	3.18	65	5	ND	12	46	.4	36	2	66	.61	.095	40	35	1.02	3001	.04	6	1.81	.01	.16	2	16	180
016864 DR	1	14	33	91	.1	14	9	615	3.22	163	5	ND	13	71	.6	38	3	56	1.03	.097	43	32	.91	3222	.01	2	1.72	.01	.10	1	29	230
016865 DR	2	25	35	87	.1	12	9	517	3.00	33	5	ND	12	89	.8	13	3	57	2.21	.092	36	34	1.00	1197	.03	4	1.44	.02	.15	1	14	110
016866 DR	2	16	27	87	.2	11	9	693	3.11	322	5	ND	13	50	.6	58	2	46	1.30	.095	42	23	.49	810	.04	5	.92	.01	.17	2	57	680
016867 DR	2	15	30	85	.5	11	8	533	3.03	64	5	ND	12	56	.5	29	2	71	1.28	.087	30	37	1.14	846	.11	4	1.56	.02	.29	4	26	200
016868 DR	1	17	14	89	.2	13	10	512	3.13	67	5	ND	12	62	.7	44	2	76	1.15	.087	34	40	1.20	864	.14	2	1.68	.03	.40	3	3	220
016869 DR	1	13	22	94	.5	12	10	576	3.09	560	6	ND	14	48	.5	330	3	53	1.18	.093	39	27	.68	714	.10	9	1.13	.02	.33	1	530	540
016870 DR	2	17	17	87	.1	14	9	494	2.98	165	5	ND	13	51	.2	125	4	54	.96	.089	36	30	.81	862	.08	5	1.38	.02	.27	2	50	210
016871 DR	2	14	13	87	.1	15	9	633	2.92	361	5	ND	12	34	.2	299	6	42	.73	.089	36	22	.27	476	.03	3	.75	.01	.15	2	109	940
016872 DR	1	8	16	60	.1	8	4	390	2.18	144	5	ND	9	34	.2	94	3	31	1.39	.069	26	18	.38	355	.01	2	.76	.01	.09	1	51	400
016873 DR	2	12	24	81	.2	11	8	521	2.67	339	5	ND	12	50	.2	386	3	39	1.05	.082	33	21	.55	846	.02	5	1.03	.01	.13	4	320	430
016874 DR	2	14	28	86	.2	12	8	714	3.00	493	5	ND	12	47	.2	319	6	38	.92	.088	39	20	.48	861	.02	5	1.08	.01	.14	4	220	450
016875 DR	3	16	28	74	.1	14	7	530	2.81	218	5	ND	11	62	.2	138	5	58	1.24	.083	34	28	.73	769	.06	5	1.62	.02	.24	4	52	420
016876 DR	7	21	26	204	.6	33	6	349	1.45	64	5	ND	3	77	1.4	40	2	34	.19	.019	11	11	.04	1788	.01	6	.27	.01	.05	1	102	1200
016877 DR	4	16	19	196	.3	33	7	192	1.10	25	5	ND	2	128	1.9	11	2	22	.05	.011	7	8	.01	1838	.01	5	.22	.01	.04	1	11	510
016878 DR	2	11	6	83	.4	12	2	52	.41	14	5	ND	1	160	.9	5	2	43	.03	.006	3	6	.01	1677	.01	5	.09	.01	.01	1	10	350
016879 DR	3	9	38	78	.4	10	2	90	.32	12	5	ND	1	150	.9	5	2	39	.01	.006	2	5	.01	1690	.01	3	.09	.01	.01	1	7	340
016880 DR	14	44	35	388	.5	64	11	451	2.63	74	5	ND	4	81	4.6	11	4	36	.05	.039	17	10	.02	5425	.01	5	.91	.01	.16	2	25	540
STANDARD C/AU-R	18	59	39	132	7.2	69	31	1031	4.11	38	16	7	36	52	18.4	15	18	56	.52	.092	36	57	.92	179	.07	33	1.95	.06	.14	12	520	1400

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BORE 90-52
BORE 90-53

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	Hg ppb
016881 DR	17	67	43	331	.3	79	16	230	4.21	31	5	ND	8	69	.7	9	2	28	.12	.039	30	20	.32	4549	.01	3	1.25	.01	.22	2	18	220
016882 DR	17	68	32	260	.2	98	24	234	4.17	26	5	ND	9	70	.2	5	2	34	.12	.047	41	19	.17	5801	.01	4	1.18	.01	.23	2	14	150
016883 DR	15	71	53	253	.4	86	21	343	4.06	19	5	ND	10	81	1.3	5	2	41	.13	.044	33	19	.04	5138	.01	3	.96	.01	.17	2	24	300
016884 DR	10	57	44	246	.5	80	20	533	4.11	24	5	ND	9	80	1.2	6	2	37	.56	.050	35	25	.07	4239	.01	7	.97	.01	.20	2	12	240
016885 DR	8	54	18	111	.5	72	16	386	3.52	31	5	ND	8	150	.4	3	2	30	3.58	.048	31	20	.08	2908	.01	2	.79	.01	.17	2	7	180
016886 DR	9	51	18	225	.7	69	16	364	3.05	41	5	ND	8	209	1.3	8	2	29	3.43	.042	30	18	.06	3813	.01	4	.77	.01	.17	2	13	290
016887 DR	7	47	38	429	1.0	64	12	591	2.07	95	5	ND	4	603	4.6	16	2	45	15.70	.107	17	19	.22	5259	.01	3	.83	.01	.13	2	12	620
016888 DR	10	38	19	278	.9	49	8	493	2.53	99	5	ND	6	292	2.6	10	5	34	13.22	.051	16	13	.27	1477	.01	5	.49	.01	.08	1	2	520
016889 DR	7	36	28	176	.4	40	10	538	3.07	26	5	ND	5	200	3.1	5	2	24	13.66	.026	15	14	.34	1575	.01	3	.53	.01	.08	1	6	260
016890 DR	10	49	46	245	.4	55	14	467	3.37	14	5	ND	6	179	2.6	2	2	28	6.80	.034	19	17	.29	1345	.01	7	.59	.01	.10	1	1	230
016891 DR	10	43	35	296	.4	66	12	799	3.82	57	5	ND	7	153	3.0	4	2	27	6.15	.034	21	22	.20	1561	.01	4	.63	.01	.09	2	7	350
016892 DR	9	53	39	207	.6	61	13	519	3.49	27	5	ND	7	199	1.9	2	2	32	6.44	.029	22	27	1.03	1578	.01	3	.73	.01	.08	2	1	280
016893 DR	9	53	45	214	.4	66	14	290	2.78	20	5	ND	8	137	1.4	2	2	29	4.92	.042	26	17	.11	1271	.01	5	.74	.01	.12	1	3	210
016894 DR	9	53	45	193	.4	56	11	427	3.44	24	5	ND	6	224	2.8	2	2	39	6.47	.038	23	25	1.07	1403	.01	2	1.51	.01	.12	1	5	110
016895 DR	12	54	47	145	.6	39	6	123	3.51	21	5	ND	7	44	2.2	4	2	33	.43	.033	18	27	.69	698	.01	2	1.57	.01	.21	2	13	70
016896 DR	13	71	48	374	.8	78	19	338	4.42	20	5	ND	8	43	2.7	8	2	33	.35	.037	35	32	1.00	1143	.01	3	1.40	.01	.16	2	13	110
016897 DR	20	73	35	199	.8	72	13	183	4.06	21	5	ND	8	52	1.1	7	2	19	.49	.040	34	12	.10	475	.01	4	.67	.01	.22	2	10	240
016898 DR	22	167	84	421	2.4	79	5	86	2.76	36	5	ND	5	342	4.9	9	2	354	2.23	.841	29	56	.11	766	.01	15	1.39	.01	.34	1	9	350
016899 DR	8	207	69	390	3.1	96	3	90	1.27	41	5	ND	2	556	3.4	5	2	168	4.42	1.727	25	120	.10	1146	.01	20	.98	.01	.24	1	3	450
016900 DR	4	25	32	245	1.0	20	8	481	3.02	1924	5	3	12	116	2.0	23	2	61	.42	.083	27	19	.03	2333	.01	4	.58	.01	.07	2	4130	4100
016901 DR	2	16	26	143	1.4	15	8	412	3.07	3996	5	5	11	82	2.1	28	3	33	.19	.046	29	14	.02	1693	.01	6	.46	.01	.06	2	6730	3500
016902 DR	3	13	29	88	3.5	9	5	101	2.56	7125	5	15	10	110	1.8	44	3	39	.14	.043	28	12	.01	1643	.01	5	.35	.01	.06	2	17680	6600
016903 DR	3	25	17	49	3.4	7	2	42	2.25	7485	5	20	10	115	5.0	48	3	60	.08	.072	28	13	.01	1256	.01	3	.37	.01	.07	3	24480	6900
016904 DR	6	40	14	56	2.1	14	2	64	1.44	2206	5	6	6	284	4.3	32	5	111	.11	.123	17	22	.02	2454	.01	7	.55	.01	.08	1	8400	5400
016905 DR	7	60	16	74	2.8	21	4	59	1.28	1132	5	2	4	486	5.0	26	2	214	.16	.260	15	35	.02	4388	.01	7	.77	.01	.09	2	2760	5500
016906 DR	7	97	39	93	1.2	28	3	46	1.41	551	5	ND	6	539	2.9	18	4	198	.17	.225	22	24	.02	2957	.01	7	.72	.01	.09	1	390	2600
016907 DR	3	73	49	146	1.0	22	3	74	1.92	463	5	ND	9	373	4.6	29	2	147	.11	.120	33	10	.02	1328	.01	7	.55	.01	.11	1	280	2800
016908 DR	7	97	97	86	2.2	27	3	56	1.89	660	5	ND	4	435	6.6	54	6	404	.11	.184	15	31	.03	3535	.01	9	.65	.01	.09	2	210	7800
016909 DR	4	17	28	138	.6	15	3	33	2.06	334	5	ND	9	289	1.5	24	5	72	.08	.106	28	15	.02	1044	.01	5	.58	.01	.15	1	210	14000
016910 DR	3	15	16	124	.4	14	2	19	1.06	203	5	ND	2	236	1.2	23	2	70	.04	.046	7	12	.01	1756	.01	6	.21	.01	.03	1	98	1800
016911 DR	3	9	14	41	.3	5	1	10	.78	143	5	ND	2	160	.5	14	2	54	.04	.026	7	9	.01	1870	.01	6	.19	.01	.04	1	78	1500
016912 DR	9	18	14	115	.2	14	3	34	2.43	105	5	ND	6	109	1.2	8	2	46	.08	.029	22	15	.04	1847	.01	12	.41	.01	.12	1	10	1400
016913 DR	5	10	9	75	.1	14	3	20	1.37	54	5	ND	1	148	.2	5	4	25	.02	.010	5	8	.01	2161	.01	6	.16	.01	.03	1	13	440
016914 DR	7	26	9	173	.1	34	6	112	1.54	43	5	ND	2	149	.3	9	5	16	.02	.010	8	10	.01	2590	.01	9	.27	.01	.05	2	7	660
016915 DR	1	7	10	40	.2	10	2	22	.29	25	5	ND	1	218	.2	2	2	31	.02	.006	2	5	.01	2140	.01	3	.07	.01	.01	1	39	370
016916 DR	3	18	11	116	.3	16	3	83	.55	16	5	ND	1	185	1.4	3	2	50	.02	.007	3	8	.01	2066	.01	5	.12	.01	.01	1	24	460
STANDARD C/AU-R	18	57	37	132	7.1	70	31	1031	4.06	37	17	7	37	51	18.7	15	22	56	.52	.095	35	58	.91	183	.08	35	1.95	.06	.14	12	530	1200

DCKC 90-537

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	Hg ppb
016917 DR	7	21	14	188	.2	30	5	303	.96	46	5	ND	1	202	2.0	5	2	35	.02	.017	4	8	.01	1205	.01	2	.20	.01	.02	1	37	550
016918 DR	22	59	33	208	.2	48	8	112	4.38	29	5	ND	9	47	1.9	2	2	20	.06	.033	22	13	.04	1846	.01	11	.73	.01	.14	1	22	820
016919 DR	17	80	41	196	.2	59	10	142	4.83	43	5	ND	10	60	.3	2	3	25	.09	.055	27	13	.05	433	.01	6	.87	.01	.18	1	80	900
016920 DR	19	83	30	175	.2	52	10	96	4.90	34	5	ND	9	48	.2	2	2	28	.09	.057	24	12	.05	286	.01	9	.71	.01	.21	1	38	600
016921 DR	21	67	27	226	.2	74	15	285	4.28	29	5	ND	8	59	1.3	2	2	37	.11	.051	34	15	.06	1000	.01	11	.77	.01	.20	1	29	960
016922 DR	19	74	32	240	.3	76	14	282	4.53	37	5	ND	8	75	.8	2	2	48	.36	.069	34	21	.09	857	.01	15	1.18	.01	.29	1	68	1100
016923 DR	9	57	24	140	.1	49	12	236	2.97	15	5	ND	9	61	.2	2	2	32	.17	.046	37	24	.17	2663	.01	12	1.12	.01	.25	1	29	180
016924 DR	3	24	48	152	.1	27	11	796	3.61	564	5	ND	14	59	.4	78	2	43	.38	.040	31	20	.05	1991	.01	3	.54	.01	.08	1	290	2900
016925 DR	2	20	54	133	.1	19	10	782	3.85	359	5	ND	14	55	.2	117	4	49	1.14	.052	34	21	.10	1465	.01	3	.51	.01	.06	2	220	4400
016926 DR	2	18	86	203	.4	21	11	1072	4.18	584	5	ND	18	47	.2	1001	2	60	.67	.107	58	28	.04	878	.01	3	.66	.01	.07	2	950	4200
016927 DR	1	17	51	170	.1	21	10	988	2.60	154	5	ND	19	35	.2	64	2	54	.65	.122	65	24	.04	645	.01	5	.59	.01	.06	2	32	3500
016928 DR	2	20	41	118	.1	14	10	985	3.57	528	5	ND	13	59	.2	34	2	46	2.05	.031	31	20	.18	740	.01	5	.59	.01	.06	2	490	4100
016929 DR	2	17	36	122	.6	18	9	1108	4.10	1907	5	ND	13	66	.2	80	2	36	1.57	.029	28	15	.12	540	.01	6	.45	.01	.07	2	1520	2800
016930 DR	2	12	24	104	.6	13	9	1086	3.23	2245	5	ND	12	104	.2	67	2	27	2.05	.024	28	13	.31	435	.01	5	.44	.01	.07	2	1590	2600
016931 DR	2	14	26	111	1.0	14	9	852	3.47	3556	5	4	13	90	.2	180	2	38	1.85	.023	26	18	.56	365	.01	2	.48	.01	.07	2	4650	5000
016932 DR	2	17	26	147	3.1	16	9	742	3.50	7840	5	14	12	76	.2	755	4	26	.51	.029	29	12	.04	497	.01	3	.41	.01	.07	2	12900	8200
016933 DR	2	19	25	172	3.4	15	8	854	3.48	8204	5	17	12	84	.2	1575	2	25	.55	.021	30	11	.10	230	.01	10	.39	.01	.07	2	14300	6200
016934 DR	2	17	26	144	2.4	17	8	855	3.17	5577	5	10	7	110	.2	5550	2	20	.93	.023	22	9	.22	109	.01	8	.36	.01	.08	1	9750	4600
016935 DR	3	21	21	113	2.0	15	5	223	2.09	2060	5	2	7	96	.4	949	3	39	.18	.033	26	11	.03	686	.01	8	.45	.01	.11	2	4940	4000
016936 DR	7	52	20	67	2.2	18	3	72	1.37	670	5	ND	3	714	1.4	237	2	278	.74	.518	15	44	.05	2077	.01	19	1.19	.01	.17	2	460	4300
016937 DR	6	112	28	42	4.2	13	1	61	1.21	596	5	ND	3	421	2.4	151	2	134	1.54	.689	16	57	.05	518	.01	21	.97	.01	.18	1	230	1900
016938 DR	6	116	60	77	2.2	21	2	51	1.26	539	5	ND	4	319	2.2	103	2	174	.59	.289	16	31	.03	1186	.01	13	.71	.01	.14	1	108	2300
016939 DR	1	27	54	128	.4	24	2	22	1.99	661	5	ND	11	151	.5	75	2	54	.10	.064	34	6	.02	481	.01	5	.53	.01	.14	1	102	1500
016940 DR	9	101	47	385	1.0	58	5	43	4.08	984	5	ND	5	545	8.5	152	2	378	.28	.308	20	37	.03	1683	.01	7	.78	.01	.12	1	49	2600
016941 DR	2	21	27	159	.3	17	2	21	1.04	230	5	ND	2	282	1.3	46	2	58	.05	.057	5	6	.01	877	.01	5	.18	.01	.02	1	48	4800
016942 DR	12	212	33	1038	.5	116	11	184	4.54	834	5	ND	3	157	4.8	79	2	194	.06	.076	6	27	.01	971	.01	5	.67	.01	.04	1	99	12400
016943 DR	6	37	18	204	.1	24	3	36	1.02	166	5	ND	1	204	1.8	22	2	68	.03	.019	4	10	.01	1182	.01	6	.22	.01	.02	1	26	2000
016944 DR	2	17	9	58	.1	6	1	16	.41	84	5	ND	1	373	.8	13	2	36	.02	.013	2	6	.01	1178	.01	9	.11	.01	.01	1	28	920
016945 DR	11	78	21	323	.1	57	6	103	1.77	304	5	ND	3	205	2.1	13	2	60	.03	.032	10	12	.02	2650	.01	9	1.04	.01	.10	1	13	1300
016946 DR	21	78	24	749	.1	79	15	162	5.28	346	5	ND	8	78	1.8	9	5	33	.08	.046	34	17	.08	1665	.01	12	.98	.01	.20	1	25	2100
016947 DR	18	83	39	235	.1	92	20	231	4.67	56	5	ND	10	66	.2	4	2	26	.08	.041	41	17	.12	1074	.01	19	1.27	.01	.25	2	12	600
STANDARD C/AU-R	18	57	44	132	7.1	68	29	1028	4.05	38	18	7	36	52	18.2	15	21	56	.52	.090	36	57	.91	179	.07	33	1.90	.06	.14	11	540	1400

DCRC-90-55

GEOCHEMICAL LYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJ. - 9007-058 File # 90-2616 Page 1

P.O. Box 2380, 1050 Davie St., Vancouver BC V6B 3I5

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	Hg ppb
016948 DR	2	30	83	254	.4	26	12	903	3.32	511	5	ND	15	88	1.2	165	2	63	.18	.059	35	26	.13	2547	.01	13	.73	.01	.07	1	210	2800
016949 DR	2	29	68	232	.7	21	11	972	3.79	741	5	ND	16	74	1.4	144	2	59	.20	.074	41	21	.09	2244	.01	12	.61	.01	.07	1	520	2600
016950 DR	1	19	64	259	.6	26	11	676	3.82	342	5	ND	15	58	.8	194	3	82	.51	.107	50	54	1.03	2896	.01	4	2.05	.01	.08	1	114	720
016951 DR	1	21	101	220	1.9	19	9	534	3.72	179	5	ND	14	51	.9	66	7	90	.50	.103	39	60	1.29	2723	.12	2	2.03	.02	.26	1	42	210
016952 DR	1	17	52	148	.5	15	9	497	3.42	138	5	ND	14	55	.9	57	5	88	.60	.101	41	51	1.26	3094	.18	2	1.85	.02	.31	1	24	180
016953 DR	1	23	75	166	.3	15	9	520	3.76	155	5	ND	14	49	.6	126	2	88	.48	.107	44	56	1.32	2474	.11	2	2.24	.02	.28	1	22	200
016954 DR	1	19	89	211	.3	14	10	730	3.71	415	5	ND	16	52	1.3	117	2	83	.51	.112	54	49	1.11	3296	.12	2	2.22	.02	.42	1	134	400
016955 DR	1	21	129	196	.4	14	9	825	2.99	570	5	ND	16	52	1.2	135	2	62	1.40	.108	49	35	.53	2682	.05	7	1.32	.01	.20	1	310	1500
016956 DR	1	18	37	118	.2	12	9	689	2.56	560	5	ND	16	43	.5	114	2	44	2.60	.115	46	22	.10	1419	.01	11	.57	.01	.09	1	122	1900
016957 DR	1	18	36	119	.1	12	8	623	3.13	820	5	ND	17	42	.6	167	3	61	.89	.116	48	27	.34	1570	.04	6	1.15	.01	.20	1	430	1600
016958 DR	1	21	50	156	.1	11	8	613	2.68	644	5	ND	18	33	.8	136	2	79	.51	.120	57	39	.55	1089	.12	2	1.30	.01	.41	1	130	1400
016959 DR	2	20	25	270	.2	31	11	999	3.48	1515	5	ND	18	35	2.2	287	2	72	.50	.127	60	29	.32	1221	.06	4	1.01	.01	.23	1	680	1700
016960 DR	1	19	22	364	.2	55	14	741	4.42	1386	5	ND	17	40	1.4	320	2	70	.58	.129	49	36	.57	1537	.03	4	1.57	.01	.18	1	290	1500
016961 DR	2	20	18	258	.1	40	12	895	3.43	937	5	ND	17	38	1.9	174	2	51	.86	.122	47	22	.20	1127	.01	7	.85	.01	.10	1	75	820
016962 DR	4	32	33	672	.1	66	16	1024	4.18	1981	5	ND	15	49	3.0	431	2	52	.34	.111	48	18	.05	980	.01	9	.63	.01	.08	1	620	1800
016963 DR	6	31	21	292	.5	53	9	536	2.27	846	5	ND	8	106	.9	126	2	61	.17	.055	29	14	.04	1458	.01	10	.52	.01	.10	1	310	2900
016964 DR	7	39	30	241	.8	44	9	335	2.82	797	5	ND	8	108	2.0	138	2	62	.15	.067	29	12	.04	1608	.01	9	.58	.01	.12	1	130	3600
016965 DR	4	21	42	403	.1	53	15	1467	3.49	1236	5	ND	14	68	2.5	119	2	22	.19	.081	42	6	.03	1078	.01	8	.55	.01	.08	1	450	3500
016966 DR	4	27	56	486	1.2	67	14	1417	4.02	3016	5	5	13	39	7.5	187	2	31	.16	.041	34	8	.03	795	.01	9	.57	.01	.06	1	4100	4500
016967 DR	3	18	45	467	2.2	40	12	1149	3.79	4311	5	7	11	50	4.7	191	2	30	.17	.038	32	7	.02	925	.01	9	.39	.01	.06	1	7220	4700
016968 DR	7	27	48	1247	.8	101	17	641	5.37	2456	5	ND	9	49	10.8	208	2	50	.22	.099	38	4	.04	927	.01	8	.46	.01	.10	1	1460	3500
016969 DR	5	16	42	628	.6	55	9	194	3.54	916	5	ND	12	21	4.2	113	2	17	.18	.086	41	1	.04	313	.01	7	.45	.01	.12	2	240	1200
016970 DR	5	18	38	458	.2	35	5	152	3.26	675	5	ND	12	44	3.8	88	2	13	.14	.077	36	1	.03	609	.01	7	.38	.01	.13	1	121	1400
016971 DR	8	32	81	476	.6	60	6	112	2.60	560	5	ND	6	197	2.4	99	2	128	.09	.102	20	24	.03	2064	.01	8	.51	.01	.07	3	128	3300
016972 DR	1	146	27	185	3.5	51	6	49	1.35	432	11	ND	4	1157	4.6	23	3	995	1.74	1.133	20	126	.08	8255	.01	18	1.69	.01	.15	2	78	10400
016973 DR	6	193	27	235	2.4	45	4	35	1.34	185	9	ND	4	685	6.1	49	3	810	1.58	.845	21	91	.08	5430	.01	13	1.24	.01	.17	2	44	8100
016974 DR	9	86	27	117	1.5	24	4	45	.77	84	5	ND	2	716	1.4	24	2	424	1.10	.731	12	62	.03	6337	.01	9	.88	.01	.09	2	55	4300
016975 DR	6	109	26	85	4.2	27	3	53	1.23	126	6	ND	3	414	6.9	16	2	307	.60	.474	14	69	.05	3617	.01	11	.82	.01	.13	1	44	7200
016976 DR	3	74	20	94	4.7	25	3	123	1.19	87	5	ND	3	576	6.6	12	2	176	1.13	.669	17	60	.05	3064	.01	11	.85	.01	.14	1	26	7400
016977 DR	4	56	26	158	4.7	32	3	86	1.79	175	5	ND	3	685	8.9	17	2	177	.58	.474	15	60	.04	3170	.01	8	.80	.01	.12	2	49	17000
016978 DR	6	141	65	220	3.5	58	5	193	2.17	426	6	ND	6	961	5.8	34	2	700	2.17	.652	22	91	.33	2298	.01	8	1.64	.01	.12	1	230	9600
016979 DR	10	46	35	162	1.9	38	3	56	1.84	281	5	ND	2	288	8.1	34	2	208	.34	.232	7	30	.02	1938	.01	7	.37	.01	.05	3	48	17000
016980 DR	5	16	25	206	.8	35	2	44	1.57	190	5	ND	1	211	.8	39	2	105	.04	.049	4	12	.01	1759	.01	2	.19	.01	.02	2	49	15000
016981 DR	4	11	17	203	.2	19	2	34	1.29	195	5	ND	1	184	.2	43	2	77	.03	.030	3	8	.01	2014	.01	3	.12	.01	.01	1	22	13000
016982 DR	15	23	36	42	.2	8	1	26	3.61	247	5	ND	7	67	1.0	23	2	84	.09	.035	33	15	.04	2236	.01	6	.53	.01	.13	1	21	12000
016983 DR	7	16	19	74	.2	7	2	36	1.30	61	5	ND	4	119	.2	13	2	42	.07	.018	15	12	.04	2296	.01	7	.37	.01	.07	1	6	1300
STANDARD C/AU-R	18	61	44	134	7.9	72	32	1027	3.96	42	18	7	36	52	18.8	15	22	57	.48	.091	37	60	.88	183	.07	38	1.85	.05	.14	13	490	1400

BCRC 90-56

BCRC 90-57

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: P1-P4 Cutting P5-P9 Rock AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: JUL 17 1990 DATE REPORT MAILED: July 23/90 SIGNED BY ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Noranda Exploration Co. Ltd. PR[illegible]T 9007-058 FILE # 90-2616

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	[illegible] ppm	[illegible] ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	Au ppb	ppb
016984 DR	2	10	11	86	.1	9	3	174	.57	16	5	ND	1	307	.2	5	2	25	.40	.006	2	6	.02	1899	.01	6	.15	.01	.03	2	1	560
016985 DR	9	28	32	147	.1	17	3	121	1.46	33	5	ND	4	179	.2	6	2	46	.07	.013	11	14	.02	2010	.01	7	.33	.01	.08	1	1	540
016986 DR	3	9	2	69	.1	8	2	73	.34	14	5	ND	1	182	.2	2	2	20	.03	.006	2	6	.01	1865	.01	2	.09	.01	.01	2	1	220
016987 DR	4	20	25	149	.3	22	6	708	1.42	44	5	ND	1	1023	.3	7	2	28	11.99	.024	9	16	.30	1711	.01	2	.29	.01	.06	1	3	610
016988 DR	1	13	6	105	.3	10	3	278	.40	15	5	ND	1	550	.2	5	2	34	5.18	.007	2	8	.07	1569	.01	2	.07	.01	.01	1	2	460
016989 DR	1	9	16	45	.4	3	2	16	.24	13	5	ND	1	234	.2	3	2	56	.06	.007	2	9	.01	1913	.01	2	.06	.01	.01	2	3	680
016990 DR	2	9	23	75	.2	5	1	54	.30	13	5	ND	1	248	.2	3	2	24	.04	.008	2	5	.01	1916	.01	2	.08	.01	.01	1	4	360
016991 DR	13	65	38	561	.3	103	18	327	2.75	91	5	ND	5	215	8.3	10	2	47	.50	.050	22	25	.02	11819	.01	2	1.16	.01	.26	1	6	750
016992 DR	16	78	30	308	.2	129	28	709	4.69	42	5	ND	9	68	4.2	6	2	44	.16	.048	36	23	.22	1734	.01	2	1.14	.01	.20	1	7	300
016993 DR	13	62	37	220	.6	70	13	334	4.62	29	5	ND	6	184	2.2	13	6	74	3.81	.050	22	52	1.47	1587	.06	7	2.45	.01	.25	2	9	150
016994 DR	7	53	24	333	.3	85	13	366	3.98	24	5	ND	6	154	2.2	11	2	81	5.50	.038	18	66	1.71	562	.14	8	3.17	.01	.30	1	4	100
016995 DR	8	52	42	153	.6	57	11	347	3.61	22	5	ND	5	214	1.3	21	4	79	8.34	.040	14	66	1.73	36	.13	16	3.33	.06	.32	1	3	140
016996 DR	2	14	17	162	.5	16	4	2830	1.03	339	9	ND	1	1020	.5	47	3	28	32.63	.025	5	11	.72	2123	.01	2	.20	.01	.04	2	37	560
016997 DR	2	10	13	78	.3	10	3	2702	.79	118	9	ND	1	1089	.2	23	2	28	35.71	.016	3	10	.43	2404	.01	2	.11	.01	.03	1	12	1300
016998 DR	1	9	60	81	.6	9	3	2470	.44	86	6	ND	1	1324	.2	20	2	27	36.78	.032	2	10	.36	2418	.01	2	.09	.01	.02	1	11	880
016999 DR	4	15	7	124	.5	13	4	2643	.91	91	7	ND	1	1005	.2	14	2	34	26.40	.018	5	11	.32	1895	.01	2	.23	.01	.08	1	12	580
017000 DR	5	21	30	123	.5	14	3	1131	1.58	95	5	ND	3	743	.2	22	2	33	16.02	.021	16	12	.17	1238	.01	8	.37	.01	.18	1	12	860
017001 DR	5	25	44	250	.3	26	3	939	1.09	73	5	ND	1	402	.2	13	2	90	10.53	.020	4	15	.11	1834	.02	2	.27	.01	.03	1	12	940
017002 DR	4	21	31	138	.4	16	3	1552	.96	64	6	ND	2	791	.2	12	4	45	12.64	.021	9	13	.18	1771	.01	15	.33	.01	.08	1	15	730
017003 DR	8	51	24	206	.2	48	11	461	2.88	96	5	ND	7	131	2.4	11	2	51	1.16	.028	27	22	.06	2088	.01	2	.56	.01	.14	1	20	1300
017004 DR	4	13	24	150	.1	19	4	109	.71	41	5	ND	1	177	.2	5	3	39	.31	.010	5	9	.01	1889	.01	2	.19	.01	.02	2	15	380
017005 DR	5	21	21	330	.2	43	6	125	1.39	59	5	ND	3	165	1.5	11	2	19	.14	.013	10	11	.03	1954	.01	2	.39	.01	.07	1	22	550
017006 DR	6	21	71	407	.8	54	9	747	1.16	79	5	ND	2	138	4.0	11	3	26	.14	.015	7	11	.01	3427	.01	2	.69	.01	.05	2	12	1300
017007 DR	6	26	66	281	.9	32	5	367	.77	47	5	ND	1	458	1.1	10	2	22	3.88	.017	6	7	.10	1523	.01	2	.25	.01	.03	1	11	430
017008 DR	9	39	15	299	.5	60	13	419	3.39	54	5	ND	10	230	3.7	8	4	34	2.24	.078	35	17	.20	245	.01	2	.67	.01	.18	1	20	370
017009 DR	17	82	46	434	.8	122	27	713	4.67	61	5	ND	11	75	3.5	10	3	66	.34	.042	38	28	.04	3638	.01	2	1.06	.01	.23	1	16	360
017010 DR	10	61	45	260	1.0	83	15	393	3.58	41	5	ND	7	173	3.2	10	3	60	3.69	.041	24	43	.85	385	.03	3	2.05	.01	.21	1	13	230
017011 DR	8	57	81	283	1.8	57	11	382	3.94	79	5	ND	5	210	3.4	39	8	88	7.08	.038	13	74	1.64	43	.14	18	3.47	.02	.16	1	29	240
017012 DR	8	53	65	294	1.4	59	11	311	3.54	41	5	ND	5	212	4.3	13	7	64	7.05	.041	13	50	1.02	73	.08	10	2.37	.02	.15	1	18	170
017013 DR	11	57	65	218	1.4	54	10	282	3.66	35	5	ND	5	202	3.3	13	7	70	6.40	.044	11	47	1.22	70	.08	15	2.34	.02	.14	1	12	120
017014 DR	9	51	68	174	1.3	56	10	341	3.62	31	5	ND	5	213	2.0	14	7	63	7.69	.041	12	50	1.24	58	.09	14	2.59	.03	.13	1	6	80
017015 DR	8	59	74	156	1.3	63	12	429	3.85	37	5	ND	5	188	2.8	15	2	87	5.28	.040	13	73	1.70	84	.11	21	3.69	.05	.16	1	3	90
017016 DR	8	59	116	356	1.5	58	11	475	3.97	19	5	ND	5	219	4.1	15	3	91	7.81	.036	11	74	2.14	45	.11	28	3.82	.05	.20	1	3	120
017017 DR	8	55	23	229	.9	57	11	372	3.89	26	5	ND	6	183	3.0	16	5	82	8.65	.036	15	72	1.77	58	.10	22	2.96	.03	.16	1	3	90
017018 DR	8	51	20	370	.8	56	12	383	3.64	16	5	ND	6	151	3.7	12	2	64	9.18	.037	25	58	1.33	57	.01	19	1.56	.01	.15	1	4	80
017019 DR	8	54	22	363	.8	63	14	390	3.71	22	5	ND	6	144	4.1	13	3	61	8.49	.041	27	56	1.46	75	.01	16	1.53	.01	.17	1	5	70
STANDARD C/AU-R	18	62	43	133	7.5	73	32	1026	3.96	42	18	7	37	53	18.5	16	22	56	.48	.095	37	60	.88	179	.07	38	1.82	.06	.14	11	470	1500

BORE 90-58

Noranda Exploration Co. Ltd. PROJECT 9007-058 FILE # 90-2616

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	Hg ppb
017020 DR	4	29	28	324	.1	79	14	1599	3.95	567	5	ND	18	60	.8	147	2	87	.75	.141	56	42	.52	2619	.06	13	1.90	.01	.07	2	32	1800
017021 DR	7	31	48	505	.1	54	13	1137	4.32	1016	5	ND	18	62	.4	116	2	72	.32	.124	50	24	.05	2060	.01	10	.67	.01	.06	1	42	2500
017022 DR	7	27	36	623	.1	67	11	1129	4.19	1164	5	ND	18	67	1.2	118	4	72	.43	.143	56	26	.10	2096	.01	6	.81	.01	.10	1	52	2300
017023 DR	3	24	27	491	.1	55	9	546	4.77	1014	5	ND	17	56	1.1	103	2	84	.53	.145	58	38	.63	1989	.11	6	2.18	.01	.38	1	57	1100
017024 DR	6	21	24	409	.1	40	10	834	4.89	1404	5	ND	17	42	.9	104	2	76	.37	.139	63	26	.11	1300	.02	2	.78	.01	.08	1	290	3300
017068 DR	3	39	25	364	.1	56	15	662	3.63	610	5	ND	14	41	4.5	347	2	42	.19	.089	43	16	.09	1051	.01	2	.64	.01	.10	1	1020	2500
017069 DR	1	16	30	315	.1	42	15	1003	4.01	307	5	ND	16	26	2.6	395	2	54	.32	.104	53	22	.18	775	.01	2	.92	.01	.13	1	65	1500
017070 DR	2	17	30	273	.1	27	14	1769	3.60	693	5	ND	17	33	2.1	560	2	52	.22	.100	51	16	.03	1388	.01	2	.53	.01	.08	2	1050	4500
017071 DR	3	18	47	264	.4	32	13	1317	3.85	1697	5	ND	16	51	2.8	515	4	56	.15	.073	40	18	.02	1228	.01	7	.58	.01	.05	1	1650	10600
017072 DR	3	22	32	303	1.3	44	10	798	3.44	1544	5	6	14	48	5.9	569	2	45	.15	.067	40	15	.02	914	.01	6	.60	.01	.07	1	6130	7800
017073 DR	5	20	17	443	2.1	60	21	1833	3.72	2522	5	12	15	65	9.7	343	2	41	.13	.057	45	14	.02	1082	.01	7	.62	.01	.07	1	10400	8500
017074 DR	2	20	24	257	2.4	40	14	574	2.99	3349	5	10	11	66	7.6	348	2	25	.10	.045	36	7	.02	1026	.01	3	.56	.01	.06	1	9750	7600
017075 DR	5	57	25	451	2.1	77	8	252	2.10	1283	5	3	8	274	7.4	152	2	183	.19	.118	27	23	.03	1855	.01	9	.73	.01	.09	1	4350	10200
017076 DR	11	86	8	155	2.2	40	4	56	1.01	293	5	ND	2	611	2.0	70	2	312	.96	.500	12	43	.04	3882	.01	14	.84	.01	.10	1	210	5200
017077 DR	19	73	28	283	.9	84	8	156	3.45	894	5	ND	8	200	3.8	109	2	154	.19	.095	30	26	.04	1841	.01	10	.68	.01	.15	1	240	7500
017078 DR	15	51	51	279	1.1	67	7	122	2.72	585	5	ND	7	69	1.4	80	2	66	.12	.052	23	15	.03	1756	.01	4	.50	.01	.09	1	440	6200
017079 DR	5	25	25	435	.9	84	17	885	3.36	3675	5	2	11	71	6.6	87	5	41	.16	.075	33	10	.03	1210	.01	2	.70	.01	.09	1	2320	8300
017080 DR	4	20	39	510	.8	66	15	1072	3.81	2285	5	3	13	71	3.8	176	2	46	.21	.075	35	13	.03	881	.01	4	.63	.01	.07	1	3160	8600
017081 DR	13	38	50	297	1.9	65	11	474	3.38	2092	5	2	10	111	3.3	63	2	89	.14	.072	31	15	.04	1019	.01	5	.60	.01	.10	1	2760	6100
017082 DR	18	50	56	502	1.3	83	9	226	3.18	1006	5	ND	8	122	5.1	40	2	114	.15	.091	30	16	.04	1401	.01	6	.61	.01	.11	1	360	7500
017083 DR	3	13	26	214	.5	29	8	275	2.98	941	5	ND	10	79	2.8	21	2	16	.13	.076	28	5	.04	634	.01	5	.50	.01	.15	1	520	3300
017084 DR	13	69	14	511	1.0	104	13	433	3.86	456	5	ND	7	271	6.7	32	2	114	2.50	.195	25	29	.11	2324	.01	6	.92	.01	.19	1	310	4200
017085 DR	10	49	49	239	1.0	66	12	426	3.44	332	5	ND	7	244	3.6	17	2	29	4.81	.046	20	16	.21	1138	.01	6	.64	.01	.17	1	240	2700
017086 DR	9	47	22	169	.2	56	11	389	3.42	143	5	ND	6	465	1.9	13	2	16	8.33	.042	23	14	.29	1537	.01	13	.62	.01	.21	1	31	1600
017087 DR	7	50	21	160	.1	61	12	331	3.31	37	5	ND	6	402	1.8	10	2	17	7.17	.038	25	19	.81	1182	.01	18	.66	.01	.22	1	4	460
017088 DR	1	1	2	2	.1	1	1	4	.01	2	5	ND	1	72	.2	2	2	1	1.34	.001	2	2	.18	30	.01	2	.01	.01	.04	1	3	5
017089 DR	8	44	17	134	.1	58	11	318	2.97	36	5	ND	5	386	1.2	10	2	15	7.96	.036	22	18	.84	896	.01	7	.57	.01	.18	1	4	860
017090 DR	9	46	18	150	.2	53	11	324	3.07	41	5	ND	5	345	1.4	11	2	11	8.28	.021	20	16	.69	967	.01	9	.44	.01	.16	1	6	2000
017091 DR	5	36	4	243	.1	50	9	558	3.76	40	5	ND	3	530	2.6	13	2	12	10.18	.022	15	18	2.74	898	.01	18	.40	.01	.14	1	1	2800
017092 DR	11	104	31	905	.6	141	18	849	3.89	142	5	ND	5	60	5.1	37	2	128	.27	.026	20	28	.07	2271	.01	2	.93	.01	.07	1	31	6000
017093 DR	13	79	67	431	.7	64	7	309	2.22	80	5	ND	4	55	2.2	25	4	106	.16	.022	17	25	.04	2264	.01	2	.63	.01	.06	2	45	4900
017094 DR	12	73	29	462	.3	124	21	711	4.49	85	5	ND	8	61	6.4	16	2	49	.23	.035	32	24	.07	3691	.01	5	.79	.01	.16	1	13	5400
017095 DR	11	54	25	239	.1	107	21	1077	4.34	32	5	ND	8	56	6.6	10	4	32	.14	.033	35	21	.08	5956	.01	5	.87	.01	.20	1	14	3000
017096 DR	9	50	27	226	.1	101	20	751	4.04	31	5	ND	8	50	2.7	8	2	25	.13	.032	35	16	.07	2839	.01	7	.60	.01	.16	1	12	2000
017097 DR	6	48	15	185	.2	89	17	662	3.82	32	5	ND	7	129	1.7	8	2	21	2.24	.034	32	18	.10	3580	.01	9	.67	.01	.20	1	9	2100
017098 DR	7	45	6	169	.2	86	17	530	3.68	26	5	ND	7	205	1.7	6	6	16	3.59	.034	30	16	.12	4558	.01	10	.77	.01	.22	1	10	1900
STANDARD C/AU-R	19	58	44	129	7.5	72	29	1033	3.96	43	15	7	36	50	18.7	16	21	56	.48	.090	36	59	.88	176	.07	38	1.90	.06	.13	12	520	1600

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	[illegible] 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	[illegible] ppb
017099 DR	6	49	29	168	.2	82	18	604	3.72	36	5	ND	7	191	1.9	7	2	17	5.45	.033	30	14	.11	3774	.01	13	.67	.01	.23	1	9	2600
017100 DR	11	39	20	132	.5	65	13	368	2.94	42	5	ND	7	88	1.1	14	2	19	2.36	.017	35	10	.08	1867	.01	10	.47	.01	.18	2	35	3600
017101 DR	20	41	24	86	1.4	33	6	89	3.23	73	5	ND	8	42	.9	23	2	23	.19	.017	40	10	.03	1145	.01	13	.46	.01	.15	1	58	4500
017102 DR	12	58	35	383	.5	109	25	754	4.54	120	5	ND	10	53	4.5	17	2	17	.22	.043	40	12	.06	2225	.01	5	.69	.01	.19	1	28	1300
017103 DR	10	43	33	333	1.4	63	16	700	4.52	415	5	ND	11	36	5.1	19	8	18	.17	.051	36	9	.03	1077	.01	2	.41	.01	.13	2	131	3700
017104 DR	5	34	36	435	.5	49	16	1055	4.34	727	7	ND	14	44	6.0	19	2	25	.34	.092	44	11	.04	1138	.01	4	.62	.01	.16	2	125	5600
017105 DR	8	59	18	197	.2	68	16	562	3.63	53	5	ND	8	146	2.6	11	2	40	3.12	.041	32	39	.90	2965	.01	7	1.57	.01	.36	1	12	950
017106 DR	7	51	23	136	.2	59	15	444	3.30	16	5	ND	7	234	1.7	7	2	21	6.93	.039	31	18	.30	3270	.01	12	.91	.01	.26	1	3	700
017107 DR	7	51	16	146	.1	60	14	371	3.38	26	5	ND	7	267	1.6	5	2	16	7.59	.036	29	13	.17	3218	.01	16	.75	.01	.26	1	6	740
017108 DR	7	53	18	133	.5	61	14	359	3.42	100	6	ND	6	317	2.1	11	2	13	7.65	.036	28	12	.13	2562	.01	8	.62	.01	.24	1	86	2900
017109 DR	10	56	20	100	.1	61	14	338	3.45	90	5	ND	8	179	1.8	9	3	13	5.04	.033	30	10	.09	893	.01	9	.50	.01	.20	1	20	4800
017110 DR	10	56	23	139	.2	68	16	329	3.20	68	5	ND	8	107	1.4	10	2	9	1.96	.034	35	7	.06	1397	.01	5	.43	.01	.18	1	87	3600
017111 DR	9	50	23	145	.1	73	17	257	3.05	43	5	ND	8	129	1.4	5	2	10	1.86	.037	35	7	.08	1337	.01	5	.49	.01	.19	1	10	1400
017112 DR	10	53	16	147	.1	69	15	307	3.01	21	5	ND	8	151	1.6	4	2	14	3.64	.039	33	11	.11	919	.01	9	.55	.01	.23	1	7	1100
017113 DR	5	38	11	108	.1	52	12	508	3.60	14	5	ND	5	309	1.6	8	2	16	5.85	.033	25	19	1.75	1206	.01	10	.58	.01	.22	1	7	780
017114 DR	21	74	24	169	.4	45	7	75	3.69	37	5	ND	7	100	1.2	6	2	29	.53	.048	29	11	.11	134	.01	8	.55	.01	.35	2	8	1300
017115 DR	10	77	18	186	1.3	50	12	394	4.45	137	5	ND	11	240	3.5	12	4	96	1.34	.328	38	54	.60	114	.06	16	1.07	.02	.57	2	13	1100
STANDARD C/AU-R	19	62	41	134	7.7	72	32	1054	3.96	41	20	8	37	53	18.5	17	21	57	.48	.094	38	57	.88	179	.07	40	1.97	.06	.14	11	510	1500

ACME ANAL" LABORATORIES LTD. 852 E. HASTINGS ST. VA" ER B.C. V6A 1R6 PHONE(604)253-3158 FAX(6" 3-1716

GEOCHEMICAL A. LYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9007-075 File # 90-2806 Page 1

P.O. Box 2380, 1050 Davie St., Vancouver BC V6B 3T5

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	Hg ppb
017025 DR	5	19	41	265	.5	26	12	874	4.21	1424	5	ND	14	61	.2	71	2	60	.15	.052	35	24	.03	1625	.01	9	.52	.01	.03	3	470	4100
017026 DR	3	21	36	148	.7	18	13	1051	3.70	1060	5	ND	15	64	.2	33	3	54	.97	.071	42	20	.12	1631	.01	5	.61	.01	.09	2	450	3300
017027 DR	1	17	19	114	.1	14	12	759	3.68	159	5	ND	16	128	.2	18	2	73	2.76	.113	52	32	.72	1450	.07	5	1.39	.03	.30	1	30	460
017028 DR	2	15	15	119	.2	16	11	752	3.78	307	5	ND	16	83	.2	30	2	61	2.17	.119	48	23	.36	1430	.05	7	1.02	.02	.22	1	34	1400
017029 DR	2	23	24	139	.2	25	13	750	3.78	477	5	ND	14	77	.2	40	2	51	1.77	.123	43	21	.16	937	.01	9	.69	.01	.11	1	29	2600
017030 DR	2	30	32	95	1.2	24	14	1505	4.21	1531	5	ND	10	102	.2	44	2	34	1.64	.071	26	18	.42	299	.01	2	.51	.01	.07	1	910	6500
017031 DR	3	17	30	133	.6	20	12	1250	3.64	1063	5	ND	12	112	.3	67	2	22	1.62	.074	25	12	.40	361	.01	7	.52	.01	.09	2	220	5800
017032 DR	2	18	37	185	.6	16	11	702	3.41	678	5	ND	12	77	.5	55	2	21	1.36	.089	29	10	.27	441	.01	3	.56	.01	.12	1	280	3300
017033 DR	3	43	90	170	1.5	21	13	1097	4.28	2788	5	2	10	120	.2	4723	2	32	1.36	.078	26	16	.29	412	.01	8	.58	.01	.11	2	2560	7800
017034 DR	3	41	41	147	1.2	26	12	679	3.86	2285	5	ND	9	87	.6	2414	4	50	.92	.092	27	17	.09	963	.01	7	.54	.01	.13	2	3180	6200
017035 DR	9	50	24	267	1.3	50	6	219	2.73	799	5	ND	4	333	2.8	435	2	235	.55	.323	13	37	.06	1492	.01	15	.86	.01	.21	1	410	6000
017036 DR	13	63	33	299	1.6	61	5	182	2.77	743	6	ND	4	361	4.7	310	2	402	.49	.332	15	42	.05	1651	.01	13	.88	.01	.19	1	390	6600
017037 DR	13	85	34	109	1.9	38	3	74	1.45	294	8	ND	3	278	5.2	81	2	547	.45	.354	15	60	.05	2322	.01	18	.78	.01	.15	2	64	6200
017038 DR	20	259	27	422	4.8	78	3	29	2.54	388	9	ND	4	426	8.7	54	2	804	1.68	.898	27	180	.06	2119	.01	12	1.05	.01	.15	1	33	9700
017039 DR	26	169	14	363	2.8	76	3	66	2.00	333	7	ND	4	295	6.5	133	2	1239	1.03	.508	20	103	.08	1609	.01	23	1.04	.01	.20	2	88	7800
017040 DR	15	94	15	387	1.3	89	8	381	1.77	302	6	ND	2	190	5.4	215	2	340	.32	.178	10	32	.03	1877	.01	20	.56	.01	.08	1	270	4000
017041 DR	10	68	24	323	.7	72	5	213	1.39	103	5	ND	1	176	4.6	41	2	165	.12	.079	5	19	.01	2118	.01	5	.32	.01	.03	1	43	2200
017042 DR	15	83	25	430	.8	85	9	223	3.45	158	5	ND	3	121	3.5	57	2	151	.11	.083	16	26	.03	1745	.01	9	.59	.01	.11	1	42	2800
017043 DR	21	69	32	2070	1.5	403	21	4285	4.33	385	5	ND	3	96	38.8	63	2	152	.14	.108	12	22	.03	1980	.01	12	.89	.01	.09	1	70	4100
017044 DR	7	59	46	220	.8	39	12	679	3.88	336	5	ND	13	96	2.0	99	2	224	.49	.175	41	48	.73	2555	.09	4	1.79	.02	.32	2	95	2100
017045 DR	1	24	30	109	.1	17	12	611	3.63	128	5	ND	15	61	1.4	30	2	90	.56	.117	44	41	1.24	2532	.18	5	2.07	.04	.57	1	31	320
017046 DR	1	17	22	101	.1	14	10	530	3.43	253	5	ND	16	66	.7	38	2	71	.49	.111	54	34	.94	2569	.09	2	1.85	.02	.33	1	20	220
017047 DR	1	17	18	104	.2	16	12	741	3.77	131	5	ND	17	55	.8	28	2	86	.46	.116	47	41	1.18	2134	.14	8	1.91	.03	.44	1	9	180
017048 DR	2	18	27	121	.1	21	11	675	3.58	234	5	ND	16	50	.7	34	2	69	.48	.112	44	32	.74	1507	.06	6	1.58	.02	.27	1	20	310
017049 DR	2	20	21	177	.8	26	13	1191	3.92	1148	5	ND	17	34	4.4	77	2	46	.36	.117	55	21	.27	1143	.03	16	.86	.01	.19	1	240	1300
017050 DR	2	18	20	176	.2	22	13	1228	3.70	556	5	ND	17	45	1.5	41	2	60	.47	.117	47	26	.47	1315	.05	4	1.26	.01	.27	1	19	290
017051 DR	1	16	24	95	.1	13	11	715	3.37	97	5	ND	15	54	.8	13	2	77	.56	.104	46	35	1.07	1652	.11	2	1.65	.03	.37	1	6	110
017052 DR	1	16	15	92	.1	14	11	793	3.58	85	5	ND	16	45	.4	20	2	74	.49	.111	49	34	.97	1105	.09	6	1.60	.03	.33	1	3	60
017053 DR	1	16	20	103	.1	13	12	713	3.78	65	5	ND	17	48	.8	22	2	75	.50	.116	50	38	1.07	1296	.09	7	1.73	.03	.34	1	7	80
017054 DR	2	18	18	128	.2	25	14	657	4.06	205	5	ND	16	62	.8	53	2	85	.61	.120	63	42	1.23	4045	.13	2	2.23	.03	.45	1	19	120
017055 DR	2	16	23	129	.3	24	14	712	3.96	324	5	ND	16	44	.8	26	2	51	.46	.123	49	25	.47	1283	.04	2	1.22	.02	.21	1	135	180
017056 DR	2	15	22	125	.2	20	13	977	3.89	151	5	ND	15	44	.9	9	2	55	.61	.123	45	26	.38	823	.02	2	1.04	.01	.17	2	17	120
017057 DR	9	31	20	328	.5	54	12	668	3.24	399	5	ND	11	125	8.4	28	2	128	.27	.132	41	18	.06	1024	.01	6	.57	.01	.10	1	44	2600
017058 DR	10	75	37	39	1.1	14	3	90	1.10	327	7	ND	2	433	7.7	10	2	401	.88	.615	14	42	.05	3519	.01	22	.81	.01	.13	1	210	5200
017059 DR	14	58	23	168	1.7	37	5	94	2.33	489	6	ND	4	395	5.9	19	3	280	1.31	.722	17	33	.06	2061	.01	20	.88	.01	.17	1	68	5800
017060 DR	9	47	44	212	1.1	31	7	225	3.12	556	8	ND	8	247	5.5	23	2	143	.49	.359	29	21	.07	1314	.01	9	.79	.01	.22	2	83	4800
STANDARD C/AU-R	19	61	45	132	2.4	72	31	1038	4.24	41	17	7	37	53	38.4	16	18	55	.54	.097	37	57	.97	181	.07	39	1.96	.06	.14	11	480	1600

BCRC 90-59

BCRC 90-60

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: P1-P2 Cutting P8-P10 Rock AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: JUL 24 1990 DATE REPORT MAILED: July 31/90 SIGNED BY ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Mi 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	Hg ppb
017061 DR	9	48	22	324	.6	70	17	582	3.39	223	5	ND	7	378	4.4	13	2	40	5.22	.069	25	14	.36	3660	.01	10	.79	.01	.22	2	30	3500
017062 DR	11	53	31	242	.8	76	21	401	3.87	199	5	ND	7	284	1.6	15	2	27	3.82	.038	27	12	.32	3361	.01	9	.76	.01	.21	2	64	4500
017063 DR	8	36	18	164	.4	44	13	473	3.01	190	7	ND	7	521	1.2	11	2	19	10.72	.031	18	10	.47	1509	.01	7	.45	.01	.15	2	40	3300
017064 DR	8	43	19	160	.2	56	13	367	2.93	84	5	ND	7	402	.9	7	2	20	7.08	.056	24	11	.94	1492	.01	13	.59	.01	.21	2	9	1800
017065 DR	9	45	17	159	.1	57	14	341	2.74	51	5	ND	8	369	.6	3	2	21	6.77	.057	26	12	.73	1728	.01	16	.68	.01	.25	2	7	1300
017066 DR	11	51	29	213	.3	55	14	452	3.30	275	5	ND	9	290	2.5	18	2	53	4.16	.138	33	18	.47	1890	.01	10	.82	.01	.25	1	45	2600
017067 DR	11	47	26	157	.1	56	14	395	2.85	86	5	ND	8	374	1.1	5	2	21	6.52	.057	23	11	1.09	1171	.01	14	.60	.01	.23	1	19	1600
017116 DR	8	19	38	467	.2	45	12	305	4.04	806	5	ND	12	59	.5	281	2	76	.14	.065	22	24	.02	1081	.01	2	.45	.01	.04	2	780	8100
017117 DR	9	18	42	514	.4	48	11	262	4.12	1132	5	2	12	59	1.1	397	2	96	.09	.068	24	24	.01	815	.01	5	.48	.01	.05	3	1930	8800
017118 DR	7	18	39	434	1.8	45	12	776	4.82	3476	5	10	11	56	.2	357	2	61	.13	.058	22	19	.01	974	.01	2	.41	.01	.05	2	9620	11000
017119 DR	5	17	30	278	.9	40	7	156	2.31	1206	5	3	7	156	2.0	152	3	59	.19	.076	17	14	.03	1288	.01	3	.46	.01	.06	2	3460	5200
017120 DR	12	65	17	225	2.3	38	5	60	1.98	253	5	ND	4	680	2.5	58	2	227	.18	.285	12	52	.03	3923	.01	10	.80	.01	.09	2	154	6600
017121 DR	11	80	9	251	1.8	39	3	50	1.28	134	5	ND	1	548	3.1	40	2	240	.87	.442	11	46	.03	2438	.01	18	.73	.01	.11	1	77	6800
017122 DR	10	75	5	107	1.1	18	1	30	.57	64	6	ND	2	309	3.3	30	2	465	.79	.293	10	41	.04	879	.01	20	.53	.01	.12	1	31	8700
017123 DR	12	70	11	154	.5	22	1	30	.58	51	6	ND	1	445	3.6	24	2	421	.98	.399	11	42	.04	892	.01	15	.69	.01	.13	1	16	7600
017124 DR	18	86	7	288	.3	38	1	34	.92	88	5	ND	1	357	2.4	37	2	390	.80	.336	11	36	.04	1333	.01	18	.65	.01	.12	2	35	9000
017125 DR	13	83	16	394	.6	55	3	41	1.18	104	7	ND	2	469	2.4	45	2	356	1.06	.456	11	42	.04	2776	.01	30	.74	.01	.11	1	9	9200
017126 DR	8	39	10	290	.3	45	3	40	1.44	163	5	ND	1	212	1.3	42	2	160	.15	.082	5	23	.01	1923	.01	5	.30	.01	.03	1	16	3400
017127 DR	5	20	24	346	.2	28	3	34	1.44	138	5	ND	1	105	1.0	38	2	117	.02	.029	2	14	.01	1882	.01	3	.14	.01	.01	1	9	2200
017128 DR	3	13	8	143	.1	15	2	64	.68	58	5	ND	1	116	1.1	17	2	51	.02	.020	2	6	.01	1792	.01	5	.09	.01	.01	1	6	1600
017129 DR	9	37	12	422	.3	53	5	1027	1.81	78	5	ND	1	72	3.2	20	2	125	.04	.037	2	15	.01	2211	.01	6	.53	.01	.01	1	4	1800
017130 DR	25	128	46	988	.6	136	14	1159	6.34	285	5	ND	3	83	6.3	38	2	283	.05	.079	6	42	.01	2161	.01	3	.98	.01	.03	1	29	9400
017131 DR	12	39	9	171	.1	18	4	242	2.95	59	5	ND	6	75	1.4	15	2	73	.08	.039	27	16	.03	1988	.01	9	.56	.01	.13	1	15	1600
017132 DR	8	47	14	79	.1	7	4	78	2.83	66	5	ND	8	85	.2	17	2	48	.11	.048	37	19	.04	1868	.01	12	.52	.01	.16	1	12	1700
017133 DR	16	63	33	297	.4	44	8	608	4.98	129	5	ND	5	139	2.0	43	2	106	.11	.070	20	26	.03	1991	.01	4	.62	.01	.06	1	25	3600
017134 DR	13	50	60	456	.4	70	14	3510	4.62	133	5	ND	2	116	5.9	21	2	118	1.38	.032	9	18	.35	1749	.01	4	.67	.01	.05	1	16	6800
017135 DR	8	20	30	245	.5	36	6	3585	2.40	88	5	ND	1	431	1.8	14	2	89	6.72	.034	3	11	2.97	1526	.01	2	.31	.01	.02	1	35	2900
017136 DR	15	22	28	175	.5	29	7	1169	2.29	95	5	ND	4	120	.8	16	2	81	.92	.023	22	14	.35	1411	.01	12	.51	.01	.16	1	12	3300
017137 DR	12	14	12	195	.1	19	5	317	3.54	215	5	ND	1	84	.2	19	2	86	.26	.015	5	11	.09	1673	.01	5	.26	.01	.04	1	7	3000
017138 DR	10	24	31	325	.3	34	7	905	3.42	144	5	ND	1	95	2.2	15	2	78	.42	.021	5	13	.12	1910	.01	7	.38	.01	.03	1	6	2200
017139 DR	11	29	25	202	.5	26	4	297	2.87	95	5	ND	2	77	.6	9	2	66	.26	.016	6	12	.09	1923	.01	6	.40	.01	.05	1	7	3400
017140 DR	5	19	40	184	.1	28	13	1080	4.16	606	5	ND	13	76	1.1	213	2	64	2.18	.046	30	23	.09	2262	.01	7	.55	.01	.06	1	290	3600
017141 DR	3	15	27	120	.1	17	12	841	3.57	608	5	ND	11	75	.2	1478	3	43	3.27	.033	26	18	.14	1931	.01	3	.47	.01	.06	1	450	2600
017142 DR	3	16	33	133	.2	17	12	787	3.66	1212	5	ND	13	89	.2	115	2	18	2.67	.090	28	8	.06	2241	.01	11	.48	.01	.10	1	390	1900
017143 DR	4	13	31	221	.1	23	12	897	3.84	479	5	ND	13	65	1.1	128	2	15	3.14	.107	35	7	.07	819	.01	8	.50	.01	.12	1	62	1700
017144 DR	3	8	36	163	.1	18	12	733	3.53	1182	5	ND	11	84	.9	61	2	18	2.87	.085	29	8	.06	2266	.01	6	.42	.01	.09	1	310	1800
STANDARD C/AU-R	19	57	42	132	7.2	73	31	1019	4.15	37	18	7	36	53	18.4	15	21	55	.53	.097	37	57	.96	179	.07	36	1.94	.06	.13	11	460	1400

BCRC 90-63

BCRC 90-64

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	Hg ppb
017145 DR	3	17	42	229	.1	23	10	721	3.39	715	5	ND	12	63	1.6	110	2	44	.82	.035	31	16	.05	1458	.01	2	.52	.01	.09	1	158	2600
017146 DR	3	15	86	248	.1	24	11	813	3.61	890	5	ND	15	61	2.5	132	6	47	.63	.079	41	17	.03	1482	.01	2	.48	.01	.08	1	260	2300
017147 DR	3	17	56	168	.3	22	11	680	3.30	1335	5	ND	16	41	1.9	135	2	43	.56	.115	68	18	.12	1400	.01	3	.66	.01	.16	1	1030	1700
017148 DR	2	16	29	164	.1	16	11	637	3.39	790	5	ND	16	58	1.2	90	3	58	1.06	.118	46	28	.53	1575	.04	2	1.44	.01	.24	1	590	650
017149 OR	3	15	24	216	.1	29	10	682	3.19	524	5	ND	16	49	1.5	81	2	53	1.32	.125	44	25	.28	1211	.02	3	1.07	.01	.17	1	98	900
017150 DR	2	18	39	153	.1	21	10	609	3.27	392	5	ND	14	67	1.9	98	2	49	1.70	.120	39	23	.29	1999	.01	5	1.07	.01	.15	1	78	1200
017151 DR	5	23	32	290	.1	45	11	491	3.22	287	5	ND	12	70	1.2	75	2	79	1.05	.121	61	28	.41	1318	.01	5	1.28	.01	.18	1	45	1300
017152 DR	6	48	21	176	.5	32	5	139	1.97	528	5	ND	5	273	2.8	46	2	245	.32	.118	21	24	.09	1708	.01	13	.69	.01	.15	1	104	5600
017153 DR	8	75	29	328	2.1	39	5	99	1.59	266	7	ND	6	346	2.1	36	2	319	.49	.267	15	42	.06	2710	.01	9	.77	.01	.13	1	60	8000
017154 DR	5	76	17	491	1.6	39	4	72	1.41	181	5	ND	2	411	9.1	25	2	266	1.51	.642	14	47	.04	1854	.01	12	.73	.01	.12	1	20	4900
017155 DR	8	88	15	241	1.4	25	3	49	.94	119	5	ND	2	498	5.9	22	2	374	.91	.442	13	46	.04	2005	.01	17	.68	.01	.12	1	24	5400
017156 DR	31	136	24	354	1.1	42	3	54	1.20	131	7	ND	2	546	4.8	36	2	397	.71	.345	13	36	.04	1683	.01	15	.68	.01	.12	1	21	8600
017157 DR	43	120	25	248	1.3	41	2	47	1.41	169	8	ND	2	175	3.3	50	2	576	.21	.083	14	37	.03	1444	.01	8	.51	.01	.12	1	47	10000
017158 DR	16	106	21	147	1.3	30	3	36	1.05	140	5	ND	2	83	2.0	47	2	893	.12	.043	7	44	.01	2493	.09	5	.31	.01	.04	2	53	13000
017159 DR	28	161	65	244	1.2	58	3	43	1.35	247	5	ND	2	102	2.5	71	2	1141	.12	.055	10	68	.01	3031	.10	2	.41	.01	.05	3	35	11000
017160 DR	14	136	50	152	1.4	32	3	37	.98	211	5	ND	2	74	2.0	47	2	986	.09	.036	9	52	.01	2414	.10	4	.38	.01	.05	1	31	14000
017161 DR	9	127	45	69	1.9	20	2	56	.68	134	5	ND	2	95	1.0	23	3	647	.09	.047	9	48	.01	3014	.09	4	.36	.01	.05	1	42	10000
017162 DR	8	140	61	115	1.0	22	3	86	.99	187	5	ND	2	106	1.1	33	2	534	.15	.061	7	41	.01	2619	.08	4	.35	.01	.03	1	33	10000
017163 DR	7	63	57	134	.7	28	3	118	.85	175	5	ND	2	146	1.5	34	3	418	.07	.034	5	36	.01	2339	.07	3	.35	.01	.03	1	51	6300

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 008-005 File # 90-2927 Page 1

P.O. Box 2380, 1050 Davie St., Vancouver BC V6B 3T5

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	Hg ppb
017164 DR	2	24	64	258	.2	32	14	628	2.73	754	5	ND	13	77	1.0	199	2	62	.13	.038	29	20	.04	1713	.01	6	.49	.01	.04	1	1210	2600
017165 DR	3	24	48	301	.3	38	15	746	3.76	1090	5	ND	14	73	1.2	1030	2	64	.12	.035	32	20	.02	1632	.01	6	.47	.01	.05	1	1610	3400
017166 DR	3	14	32	170	.4	21	11	659	3.51	1720	5	3	13	59	.7	348	2	45	.14	.041	33	15	.03	934	.01	6	.42	.01	.07	1	4290	4300
017167 DR	3	16	28	286	.2	28	13	1150	3.76	1809	5	ND	12	55	1.1	603	3	41	.12	.029	35	6	.03	1228	.01	6	.45	.01	.09	1	1290	5100
017168 DR	3	11	39	228	.3	32	12	931	3.83	1448	5	2	14	61	.8	255	2	43	.24	.073	41	8	.05	1300	.01	6	.55	.01	.08	1	2110	4500
017169 DR	3	10	28	262	.3	29	11	880	3.54	1547	5	ND	16	48	.7	224	2	33	.32	.099	45	5	.03	1231	.01	7	.47	.01	.10	1	1160	2400
017170 DR	3	10	37	348	.4	28	10	703	4.01	2209	5	ND	14	74	4.1	223	2	25	.30	.097	43	3	.03	1690	.01	7	.46	.01	.10	1	1090	3500
017171 DR	7	35	41	572	.6	59	7	273	2.96	1571	5	ND	9	240	33.6	255	2	174	.76	.331	34	20	.03	2510	.01	11	.73	.01	.12	2	510	3200
017172 DR	9	52	36	411	1.0	75	7	104	1.64	617	5	ND	2	406	7.0	123	2	396	.67	.400	9	43	.02	4416	.02	10	.62	.01	.07	1	106	2600
017173 DR	14	70	25	476	.6	99	5	60	2.27	556	5	ND	5	292	6.5	43	2	168	.21	.147	23	22	.03	2128	.01	11	.80	.01	.15	1	66	2400
017174 DR	13	62	39	671	.5	167	12	175	3.14	894	5	ND	10	334	9.3	95	2	164	.49	.244	29	26	.07	2256	.01	9	1.23	.01	.13	1	88	2600
017175 DR	9	45	39	830	.4	194	18	301	4.35	1449	5	ND	14	198	10.5	96	2	118	.34	.152	52	23	.08	1808	.01	3	1.39	.01	.10	1	1020	3300
017176 DR	11	41	90	1008	.7	144	16	1396	4.84	1816	5	ND	15	147	9.1	218	5	95	.24	.117	50	19	.05	1823	.01	6	.87	.01	.08	1	1610	6200
017177 DR	12	29	77	811	.5	104	14	1712	4.59	1533	5	ND	17	110	4.6	110	2	61	.15	.084	43	14	.04	1485	.01	5	.58	.01	.09	1	970	4100
017178 DR	8	20	45	544	.2	75	13	1230	3.80	1069	5	ND	17	99	2.3	66	2	48	.26	.077	45	12	.03	1372	.01	3	.51	.01	.09	1	380	3500
017179 DR	7	18	50	425	.1	65	13	1125	3.84	811	5	ND	17	93	2.0	41	2	35	.25	.084	47	10	.04	1153	.01	6	.48	.01	.09	1	210	2500
017180 DR	5	19	52	249	.2	47	11	993	3.70	621	5	ND	14	75	1.3	25	3	36	2.32	.048	37	13	.06	1108	.01	6	.42	.01	.08	1	410	2200
017181 DR	3	18	34	231	.2	38	11	940	3.53	684	5	ND	14	75	1.8	23	2	48	1.62	.051	37	16	.06	1019	.01	3	.56	.01	.08	1	550	2800
017182 DR	3	19	46	261	.1	36	12	935	3.64	591	5	ND	15	80	2.0	27	2	56	.89	.059	38	19	.07	1107	.01	5	.66	.01	.07	1	340	3100
017183 DR	4	19	41	188	.2	25	11	820	3.43	620	5	ND	13	77	1.1	21	2	44	2.22	.041	33	15	.08	972	.01	4	.68	.01	.09	1	460	3200
017184 DR	4	17	31	252	.4	32	11	1006	3.73	943	5	ND	12	73	1.4	24	4	37	2.10	.044	33	12	.06	864	.01	5	.50	.01	.09	1	890	4700
017185 DR	11	36	30	452	1.3	73	11	818	3.36	891	5	ND	9	224	1.8	100	2	119	1.80	.233	29	20	.07	2247	.01	9	.69	.01	.10	1	780	4600
017186 DR	7	20	32	472	.7	70	11	918	3.67	651	5	ND	10	117	4.5	83	2	50	1.36	.104	29	12	.11	1214	.01	4	.50	.01	.09	1	960	3100
017187 DR	8	17	36	575	.6	86	12	1244	3.84	555	5	ND	11	101	6.0	117	2	38	.62	.108	33	8	.06	1071	.01	6	.52	.01	.08	1	970	3200
017188 DR	3	24	44	188	.6	30	14	826	3.78	1642	5	ND	17	68	.7	55	2	49	.16	.068	43	17	.02	1570	.01	5	.51	.01	.06	1	1520	4000
017189 DR	3	34	58	210	.5	33	13	701	3.41	1152	5	ND	18	63	1.2	58	2	59	.22	.082	48	23	.07	1220	.01	4	.70	.01	.07	1	1360	3000
017190 DR	3	19	47	225	.1	36	12	631	2.67	641	5	ND	20	33	.5	40	2	61	.37	.128	63	23	.03	499	.01	3	.52	.01	.06	1	360	2500
017191 DR	4	20	39	199	.6	34	13	970	3.48	1441	5	4	18	60	.7	48	2	45	.26	.100	50	14	.02	949	.01	6	.52	.01	.07	1	4760	3400
017192 DR	5	21	41	202	.3	36	13	912	3.79	1087	5	ND	18	55	1.1	45	3	53	.29	.106	51	21	.04	997	.01	5	.65	.01	.08	1	1710	3900
017193 DR	3	14	23	115	.2	18	11	536	3.59	977	5	ND	15	50	.9	40	2	29	.27	.105	48	7	.03	656	.01	4	.52	.01	.10	1	510	6000
017194 DR	5	11	29	316	.2	33	13	826	3.75	908	5	ND	16	76	1.7	37	2	40	.17	.091	49	10	.04	1132	.01	4	.78	.01	.11	1	450	3500
017195 DR	7	14	45	315	.3	40	16	1344	4.35	1215	5	ND	16	74	2.2	55	3	42	.21	.096	51	11	.04	1200	.01	6	.70	.01	.11	1	640	4200
017196 DR	7	14	46	439	.4	39	15	2005	4.07	1351	5	ND	16	75	8.1	61	2	34	.20	.091	51	8	.04	1359	.01	4	.59	.01	.11	1	1550	4300
017197 DR	13	36	34	510	.7	64	13	1116	3.70	1573	5	ND	11	196	9.9	63	2	124	.46	.225	39	19	.04	2912	.01	8	.77	.01	.13	1	2100	3300
017198 DR	17	63	35	649	.9	108	10	464	2.88	754	5	ND	7	388	7.0	53	4	215	.70	.365	28	33	.04	3406	.01	11	.97	.01	.13	1	720	2500
017199 DR	18	70	29	715	1.0	120	10	272	3.05	675	5	ND	6	404	8.0	51	2	191	.64	.339	27	29	.04	3030	.01	10	.96	.01	.12	1	480	2800
STANDARD C/AU-R	18	57	39	131	6.6	70	31	1036	3.77	40	21	7	38	53	18.8	16	20	56	.54	.096	39	61	.89	180	.07	35	1.88	.06	.14	12	480	1300

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: Cutting AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: JUL 27 1990 **DATE REPORT MAILED:** Aug 2/90 **SIGNED BY.** C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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	ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	ppb	Hg ppb
017200 DR	15	66	19	736	.6	128	11	332	3.31	655	5	ND	8	288	8.1	38	2	92	.54	.249	31	20	.04	2368	.01	7	.85	.01	.11	1	190	3500
017201 DR	12	49	26	695	.4	116	11	465	3.22	655	5	ND	10	202	8.0	43	2	81	.54	.233	37	22	.05	2100	.01	7	.91	.01	.12	1	290	2700
017202 DR	6	30	23	556	.1	80	11	492	3.39	522	5	ND	13	104	5.1	54	2	63	.55	.171	43	25	.31	1965	.02	4	1.27	.01	.15	1	57	1300
017203 DR	5	24	21	463	.1	69	12	556	3.51	552	5	ND	15	80	3.7	60	2	64	.52	.147	45	28	.38	1972	.02	6	1.33	.01	.15	1	4	1200
017204 DR	5	22	23	381	.1	55	11	640	3.56	565	5	ND	17	58	3.0	51	2	63	.47	.138	48	28	.24	1590	.01	3	1.06	.01	.12	1	55	1400
017205 DR	3	20	22	249	.1	36	10	613	3.15	535	5	ND	16	51	1.7	45	2	64	.47	.122	50	28	.36	1494	.01	5	1.17	.01	.13	1	48	1300
017206 DR	2	17	19	162	.1	22	9	610	3.18	303	5	ND	15	79	.8	63	2	70	1.24	.114	48	38	.91	2306	.02	2	1.91	.01	.16	1	2	430
017207 DR	1	16	21	151	.1	18	8	559	3.01	268	5	ND	15	77	1.0	61	2	71	1.45	.106	46	38	.97	3006	.06	3	2.05	.01	.27	1	20	390
017208 DR	1	15	40	130	.2	14	9	576	2.99	109	5	ND	14	68	.9	37	2	80	1.49	.101	39	43	1.21	3457	.18	2	2.11	.03	.44	2	4	120
017209 DR	1	15	32	118	.1	12	8	636	2.95	79	5	ND	13	87	1.0	29	2	81	2.24	.100	36	44	1.23	3565	.20	3	2.13	.04	.52	1	14	140
017210 DR	1	18	58	111	.1	13	9	655	3.06	49	5	ND	14	99	1.0	29	2	83	2.68	.097	39	46	1.31	3585	.20	3	2.10	.04	.53	1	17	100
017211 DR	1	15	29	111	.1	12	8	654	3.09	38	5	ND	15	124	.6	41	2	80	2.69	.100	44	43	1.30	2088	.09	2	2.08	.03	.31	1	8	90
017212 DR	2	26	41	192	.1	27	10	864	3.84	350	5	ND	20	40	1.1	30	3	72	.38	.128	64	27	.06	798	.01	2	.68	.01	.06	1	92	1800
017213 DR	2	24	35	148	.1	16	10	814	3.94	471	5	ND	20	28	.7	23	2	70	.41	.130	60	24	.06	526	.01	2	.56	.01	.06	1	760	1600
017214 DR	2	17	20	145	.1	17	10	933	3.32	467	5	ND	20	41	.2	18	2	60	.86	.121	61	24	.04	785	.01	2	.54	.01	.06	1	280	1400
017215 DR	3	26	41	132	.4	26	11	1071	4.31	1592	7	ND	22	84	.6	35	2	34	.27	.097	66	17	.04	1085	.01	5	.52	.01	.09	1	540	1700
017216 DR	3	36	54	134	.1	33	13	1066	4.66	642	5	ND	26	56	.3	22	2	24	.39	.130	82	17	.05	695	.01	3	.49	.01	.10	1	91	1400
017217 DR	3	31	40	135	.1	28	12	925	4.28	840	5	ND	23	76	.5	26	5	22	1.60	.103	70	14	.05	870	.01	2	.47	.01	.10	1	200	2000
017218 DR	3	27	33	124	.6	21	9	705	3.64	1822	9	ND	18	115	1.3	34	2	21	1.35	.054	44	13	.12	868	.01	5	.43	.01	.09	1	990	1800
017219 DR	3	29	51	188	.7	28	11	909	4.03	2215	5	2	19	109	1.9	54	3	25	.64	.061	53	18	.07	1092	.01	3	.44	.01	.09	1	1850	2300
017220 DR	4	31	43	212	.9	32	12	1106	4.57	2293	5	2	19	101	1.7	86	5	30	1.20	.060	55	16	.05	1134	.01	6	.50	.01	.10	1	2030	1800
017221 DR	3	25	40	154	1.0	24	11	1251	4.23	2413	8	3	17	150	1.2	84	2	28	2.80	.041	39	18	.21	757	.01	4	.41	.01	.10	1	2680	1600
017222 DR	3	22	32	152	1.2	25	11	1359	3.92	2275	5	2	18	121	1.5	85	2	28	2.10	.071	48	17	.12	918	.01	7	.48	.01	.11	1	3160	2000
017223 DR	3	15	25	176	1.2	20	11	1689	4.02	2768	5	3	15	87	1.4	112	4	24	.78	.086	43	7	.05	948	.01	5	.46	.01	.10	1	4130	2500
017224 DR	4	14	47	199	1.2	19	11	2424	4.07	3377	5	5	13	86	1.4	134	2	26	.45	.055	38	5	.04	1174	.01	3	.44	.01	.08	1	6760	2300
017225 DR	4	18	37	183	1.2	16	9	1486	3.93	3112	5	7	13	73	1.8	153	2	29	.38	.076	42	4	.04	846	.01	5	.46	.01	.10	1	7890	2600
017226 DR	4	24	30	177	1.4	22	10	974	3.87	3103	5	6	12	89	1.8	541	4	32	.36	.089	40	7	.03	915	.01	5	.47	.01	.09	1	8110	3600
017227 DR	4	27	32	181	.8	30	10	785	3.14	1202	5	2	12	118	1.6	371	2	57	.78	.108	38	13	.08	1029	.01	6	.53	.01	.11	1	3320	3200
017228 DR	5	26	33	195	.4	26	8	578	3.04	424	5	ND	12	71	1.6	52	2	45	1.05	.101	43	11	.06	717	.01	8	.53	.01	.16	1	960	1900
017229 DR	5	18	25	110	.3	15	4	220	2.71	235	5	ND	9	83	.8	43	2	48	.42	.055	37	7	.04	727	.01	10	.45	.01	.20	1	540	920
017230 DR	6	29	37	208	.2	40	11	575	3.91	228	5	ND	18	83	1.4	37	3	35	.33	.089	56	12	.04	739	.01	8	.54	.01	.19	1	16	1100
017231 DR	5	31	41	182	.1	39	13	786	3.97	212	5	ND	23	94	1.2	33	2	24	1.51	.118	67	15	.17	523	.01	6	.50	.01	.14	1	260	1400
017232 DR	5	30	36	193	.1	39	13	854	3.99	330	5	ND	23	71	1.3	41	2	24	1.19	.117	71	16	.08	472	.01	3	.52	.01	.13	1	390	1800
017233 DR	5	30	33	181	.1	35	12	846	4.09	219	5	ND	22	92	1.0	27	4	23	1.50	.117	65	15	.16	460	.01	4	.45	.01	.13	1	200	1900
017234 DR	4	31	49	147	.1	27	11	926	3.89	154	5	ND	21	207	1.2	24	2	19	2.63	.104	49	17	.41	457	.01	5	.41	.01	.14	1	220	2100
017235 DR	4	31	36	170	.1	31	11	857	4.06	137	5	ND	22	125	1.6	14	2	21	2.13	.113	58	17	.22	508	.01	3	.41	.01	.14	1	14	2400
STANDARD C/AU-R	18	57	37	129	6.6	68	29	1037	3.79	40	19	7	38	53	18.5	17	21	55	.54	.094	38	56	.88	180	.08	34	1.87	.06	.14	13	530	1500

BERC 90-127

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	Hg ppb
017145 DR	3	17	42	229	.1	23	10	721	3.39	715	5	ND	12	63	1.6	110	2	44	.82	.035	31	16	.05	1458	.01	2	.52	.01	.09	1	158	2600
017146 DR	3	15	86	248	.1	24	11	813	3.61	890	5	ND	15	61	2.5	132	6	47	.63	.079	41	17	.03	1482	.01	2	.48	.01	.08	1	260	2300
017147 DR	3	17	56	168	.3	22	11	680	3.30	1335	5	ND	16	41	1.9	135	2	43	.56	.115	48	18	.12	1400	.01	3	.66	.01	.16	1	1030	1700
017148 DR	2	16	29	164	.1	16	11	637	3.39	790	5	ND	16	58	1.2	90	3	58	1.06	.118	46	28	.53	1575	.04	2	1.44	.01	.24	1	590	650
017149 DR	3	15	24	216	.1	29	10	682	3.19	524	5	ND	16	49	1.3	81	2	53	1.32	.125	44	25	.28	1211	.02	3	1.07	.01	.17	1	98	900
017150 DR	2	18	39	153	.1	21	10	609	3.27	392	5	ND	14	67	.9	98	2	49	1.70	.120	39	23	.29	1999	.01	5	1.07	.01	.15	1	78	1200
017151 DR	5	23	32	290	.1	45	11	491	3.22	287	5	ND	12	70	1.2	75	2	79	1.05	.121	41	28	.41	1318	.01	5	1.28	.01	.18	1	45	1300
017152 DR	6	48	21	176	.5	32	5	139	1.97	328	5	ND	5	273	2.8	46	2	245	.32	.118	21	24	.09	1708	.01	13	.69	.01	.15	1	104	5600
017153 DR	8	75	29	328	2.1	39	5	99	1.59	266	7	ND	4	346	7.1	34	2	319	.49	.267	15	42	.06	2710	.01	9	.77	.01	.13	1	60	8000
017154 DR	5	76	17	491	1.8	39	4	72	1.41	181	5	ND	2	411	9.1	25	2	266	1.51	.662	14	47	.04	1854	.01	12	.73	.01	.12	1	20	4900
017155 DR	8	88	15	241	1.4	25	3	49	.94	119	5	ND	2	498	5.9	22	2	374	.91	.442	13	46	.04	2005	.01	17	.68	.01	.12	1	24	5400
017156 DR	31	136	24	354	1.1	42	3	54	1.20	131	7	ND	2	546	4.8	36	2	397	.71	.345	13	36	.04	1683	.01	15	.68	.01	.12	1	21	8600
017157 DR	43	120	25	248	1.3	41	2	47	1.41	169	8	ND	2	175	3.3	50	2	576	.21	.083	14	37	.03	1444	.01	8	.51	.01	.12	1	47	10000
017158 DR	16	106	21	147	1.3	30	3	36	1.05	140	5	ND	2	83	2.0	47	2	893	.12	.043	7	44	.01	2493	.09	5	.31	.01	.04	2	53	13000
017159 DR	28	161	65	244	1.2	58	3	43	1.35	247	5	ND	2	102	2.5	71	2	1141	.12	.055	10	68	.01	3031	.10	2	.41	.01	.05	3	35	11000
017160 DR	14	136	50	152	1.4	32	3	37	.98	211	5	ND	2	74	2.0	47	2	986	.09	.036	9	52	.01	2414	.10	4	.38	.01	.05	1	31	14000
017161 DR	9	127	45	69	1.9	20	2	56	.68	134	5	ND	2	95	1.0	23	3	647	.09	.047	9	48	.01	3014	.09	4	.36	.01	.05	1	42	10000
017162 DR	8	140	61	115	1.0	22	3	86	.99	187	5	ND	2	106	2.1	33	2	534	.15	.061	7	41	.01	2619	.08	4	.35	.01	.03	1	33	10000
017163 DR	7	63	57	134	1.2	28	3	118	.85	175	5	ND	2	146	1.5	34	3	418	.07	.034	5	36	.01	2339	.07	3	.35	.01	.03	1	51	6300
017236 DR	3	42	53	437	.2	54	14	923	4.20	1300	5	3	16	55	4.7	78	4	70	.36	.099	47	25	.22	1345	.03	3	1.28	.01	.11	1	2710	3100
017237 DR	2	26	43	302	.1	40	13	804	4.02	761	5	ND	17	58	3.1	52	2	69	.54	.115	48	33	.43	2145	.06	3	1.86	.02	.18	1	270	680
017238 DR	1	20	37	206	.1	24	12	721	3.85	579	5	ND	17	63	1.9	35	2	74	.60	.121	53	33	.53	1574	.10	3	1.81	.03	.21	1	98	430
017239 DR	3	24	254	306	.4	19	13	1456	4.49	655	5	ND	19	80	2.7	67	2	83	.41	.121	64	32	.26	1448	.05	2	1.27	.01	.14	1	250	2800
017240 DR	2	18	107	211	.1	21	13	1089	3.85	618	5	ND	19	84	2.1	71	2	70	.29	.118	62	26	.09	1178	.01	2	.92	.01	.08	1	270	2400
017241 DR	3	18	88	240	.1	25	12	892	3.76	841	5	ND	19	57	2.5	75	2	66	.36	.123	59	25	.18	1187	.03	20	1.10	.01	.15	1	220	2300
017242 DR	2	19	82	277	.2	29	12	1045	3.83	1108	5	ND	17	67	3.9	106	2	64	.27	.103	55	22	.12	1004	.02	3	1.05	.01	.13	1	360	3000
017243 DR	3	22	75	301	.2	38	13	1050	3.96	1192	5	ND	15	79	3.8	116	2	66	.19	.079	45	23	.09	1077	.01	4	.90	.01	.09	1	250	3300
017244 DR	4	24	54	308	.3	36	12	1022	3.70	1542	5	ND	12	75	4.6	126	2	44	.14	.063	39	12	.05	965	.01	2	.58	.01	.08	1	980	5200
017245 DR	5	12	24	194	.1	25	14	872	4.00	1475	5	ND	13	79	3.5	83	2	31	.11	.058	37	7	.03	891	.01	6	.54	.01	.08	1	770	8500
017246 DR	5	21	34	229	.1	36	14	987	3.63	1450	5	ND	12	62	3.0	86	2	33	.20	.089	42	11	.03	731	.01	6	.56	.01	.10	1	660	5400
017247 DR	3	22	33	142	.4	22	13	1014	3.65	1908	6	ND	11	50	2.1	43	2	21	.17	.065	38	7	.03	517	.01	5	.47	.01	.10	1	1290	4500
017248 DR	3	12	39	134	.4	18	12	962	3.62	1559	5	ND	12	51	1.4	41	2	18	.20	.086	38	6	.02	558	.01	4	.47	.01	.09	1	990	3700
017249 DR	5	15	30	232	.7	24	8	997	2.99	1374	5	4	8	50	2.0	62	2	24	.13	.059	29	5	.02	554	.01	5	.41	.01	.06	1	3390	3000
017250 DR	5	22	30	332	.4	35	13	749	3.76	1697	5	ND	12	44	2.1	86	2	27	.26	.107	39	10	.03	498	.01	8	.47	.01	.12	1	660	3400
017251 DR	7	13	77	308	.8	32	11	1038	3.76	1496	5	ND	13	52	2.2	76	2	20	.21	.096	45	3	.03	695	.01	5	.44	.01	.13	1	980	3200
017252 DR	8	13	41	343	.8	40	14	1438	3.86	1690	5	3	12	76	4.4	73	2	25	.16	.081	48	2	.03	934	.01	9	.48	.01	.11	1	1430	3000
STANDARD C/AU-R	18	58	39	131	7.2	73	31	1067	3.96	41	17	7	38	52	18.7	14	19	55	.48	.099	39	59	.88	180	.07	35	1.90	.06	.14	33	520	1600

BCRC 90-68

Noranda Exploration Co. Ltd. PROJECT 9007-075 FILE # 90-2806

BORC 90-69

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	Hg ppb
017253 DR	10	20	43	257	1.0	34	8	328	3.30	834	7	ND	10	137	2.4	46	2	56	.11	.089	35	8	.03	1508	.01	7	.50	.01	.11	1	530	3200
017254 DR	16	27	14	239	1.9	53	6	61	2.40	396	5	ND	4	202	.2	54	2	210	.09	.123	15	27	.02	2593	.01	9	.55	.01	.12	1	114	4000
017255 DR	16	59	21	317	1.0	64	9	73	2.20	209	5	ND	3	597	1.7	24	2	562	.50	.540	13	71	.01	7117	.03	10	.87	.01	.07	2	77	4100
017256 DR	19	63	43	410	.7	72	8	152	2.53	179	5	ND	3	214	3.8	25	3	371	.13	.195	15	50	.01	2941	.03	10	.61	.01	.04	1	33	1600
017257 DR	10	61	24	726	.1	87	15	627	4.47	226	5	ND	11	113	10.6	35	2	104	.42	.162	37	26	.06	1177	.01	7	.78	.01	.08	1	37	2300
017258 DR	6	41	23	547	.1	80	18	674	3.94	221	5	ND	14	67	6.7	29	4	91	.42	.154	42	28	.27	1021	.01	3	1.38	.01	.12	1	22	920
017259 DR	7	38	30	441	.1	81	21	1634	3.11	157	5	ND	18	34	7.0	32	2	62	.39	.145	55	24	.06	658	.01	5	.74	.01	.09	1	29	580
017260 DR	6	13	30	91	.2	21	2	80	1.88	192	5	ND	7	95	.2	12	3	43	.07	.038	28	9	.03	1134	.01	15	.50	.01	.16	1	30	460
017261 DR	15	54	40	348	.6	112	10	383	3.08	241	5	ND	6	128	3.5	19	4	84	.08	.072	28	24	.04	1590	.01	13	.79	.01	.14	1	43	1050
017262 DR	13	50	26	253	.2	70	11	616	2.81	241	5	ND	9	269	4.0	16	2	76	.15	.160	31	20	.03	2726	.01	5	.74	.01	.08	1	56	1600
017263 DR	7	34	22	379	.1	57	13	969	4.05	229	5	ND	16	106	3.1	12	3	61	.63	.120	52	26	.07	1469	.01	7	.78	.01	.09	1	11	1200
017264 DR	6	30	39	250	.1	43	12	1208	4.16	243	5	ND	16	108	2.1	13	2	59	.59	.126	58	23	.04	1008	.01	5	.67	.01	.09	1	20	1500
017265 DR	4	23	19	185	.1	35	12	787	3.70	108	5	ND	17	73	1.3	3	2	75	1.11	.121	58	28	.25	787	.02	5	1.02	.01	.13	1	6	780
017266 DR	2	16	18	137	.1	27	12	669	3.46	53	5	ND	18	59	1.1	2	2	88	.58	.116	46	41	.86	1019	.10	4	1.68	.02	.32	1	7	320
017267 DR	2	16	37	118	.1	17	10	646	3.41	46	5	ND	18	72	.8	2	3	81	1.35	.113	59	36	.71	762	.07	5	1.65	.01	.27	1	1	480
017268 DR	1	16	29	137	.1	19	10	607	3.67	38	5	ND	17	80	.6	2	2	88	1.19	.110	44	44	1.08	1069	.11	3	1.89	.03	.34	1	3	250
017269 DR	1	15	25	122	.1	20	10	548	3.22	28	5	ND	16	100	.4	2	2	86	1.38	.104	43	42	1.20	1328	.19	3	1.72	.05	.41	2	9	120
017270 DR	1	16	18	101	.1	19	10	541	3.18	27	5	ND	16	116	.4	2	2	84	1.57	.105	42	42	1.20	1192	.13	3	1.73	.04	.32	1	9	130
017271 DR	2	12	28	153	.1	25	10	647	3.24	50	5	ND	17	62	.7	4	2	66	2.47	.115	55	25	.23	651	.01	2	.84	.01	.10	1	9	400
017272 DR	1	13	12	102	.1	15	9	624	3.16	21	5	ND	16	99	.4	2	2	78	1.36	.104	44	41	1.10	802	.07	4	1.70	.03	.26	1	12	130
017273 DR	2	14	25	113	.1	25	9	591	3.11	26	5	ND	15	136	.5	2	3	70	1.72	.104	43	37	.97	650	.04	3	1.52	.03	.16	1	10	110
017274 DR	3	15	26	135	.1	23	10	705	3.40	99	5	ND	17	93	.5	7	3	54	2.31	.111	52	24	.32	1174	.01	2	.73	.01	.08	1	56	2100
017275 DR	2	13	20	135	.1	20	10	618	3.35	66	5	ND	17	90	.6	2	2	74	1.52	.107	49	37	.75	1202	.09	2	1.43	.02	.28	1	30	720
017276 DR	2	15	20	102	.2	16	15	663	3.19	24	5	ND	16	93	.7	2	2	60	2.08	.109	50	33	.49	6979	.04	2	1.69	.02	.22	1	11	1300
017277 DR	5	14	26	274	.2	53	13	657	3.70	74	5	ND	17	68	.7	2	2	67	.71	.125	72	33	.56	3266	.06	2	1.54	.02	.25	1	9	360
017278 DR	3	15	15	198	.2	49	13	475	3.63	56	5	ND	17	67	.6	2	2	81	.64	.123	50	43	.96	1482	.12	4	1.66	.03	.34	1	13	220
017279 DR	9	16	23	720	.2	115	14	627	4.40	119	5	ND	17	45	2.2	11	3	57	.58	.140	48	25	.29	1247	.01	2	1.00	.01	.12	1	9	1200
017280 DR	9	19	28	503	.4	61	12	656	3.79	299	5	ND	16	136	3.3	15	3	39	.95	.095	36	18	.23	1004	.01	4	.59	.01	.10	1	86	5400
017281 DR	10	22	31	569	.4	72	13	722	3.58	343	5	ND	13	141	5.8	17	2	49	.76	.074	32	17	.26	874	.01	7	.57	.01	.07	1	93	6500
017282 DR	16	43	33	1110	.3	133	20	574	4.38	257	5	ND	17	50	7.8	15	4	62	.35	.174	49	20	.06	549	.01	2	.71	.01	.08	1	13	2100
017283 DR	11	29	63	1024	.6	81	14	682	3.70	285	5	ND	17	61	7.2	14	4	62	.44	.144	52	19	.11	663	.01	4	.71	.01	.08	1	32	3300
017284 DR	6	30	54	735	.6	74	12	744	4.01	725	6	ND	14	113	12.5	21	6	51	1.21	.112	38	19	.48	211	.01	4	.63	.01	.09	1	54	10000
017285 DR	7	43	58	812	.8	65	11	632	3.91	522	5	ND	12	111	14.0	23	4	57	1.08	.075	28	19	.44	208	.01	5	.71	.01	.08	1	48	13000
017286 DR	21	63	68	812	1.5	96	10	223	3.42	392	5	ND	9	85	14.8	30	7	73	.28	.088	22	23	.13	493	.01	5	.83	.01	.12	1	36	8800
017287 DR	14	29	20	890	.5	92	17	603	3.16	75	5	ND	6	103	5.6	7	5	33	1.46	.039	20	19	.80	60	.01	9	.52	.01	.18	1	7	1100
017288 DR	9	19	30	326	.4	57	11	558	3.22	560	5	ND	18	54	1.1	23	4	49	.17	.083	40	18	.03	671	.01	4	.50	.01	.07	1	220	2500
STANDARD C/AU-R	19	57	38	128	7.4	73	31	1029	3.96	42	18	8	40	52	18.7	20	22	56	.48	.094	39	60	.88	181	.08	38	1.89	.06	.14	12	540	1500

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	Hg ppb
017289 DR	13	23	48	539	.1	85	15	693	5.03	528	5	ND	20	41	.3	39	2	62	.30	.120	56	24	.03	736	.01	5	.53	.01	.08	2	74	5400
017290 DR	11	17	38	435	.2	79	15	700	5.31	1383	5	2	17	51	.6	33	3	58	.18	.074	39	22	.03	1225	.01	6	.47	.01	.06	1	1890	7300
017291 DR	11	16	31	458	.1	117	19	992	4.86	341	5	ND	18	37	.2	21	2	52	.44	.134	53	19	.15	1058	.01	2	.77	.01	.14	1	37	3200
017292 DR	14	18	63	646	.1	126	17	524	4.83	344	5	ND	18	51	.8	23	5	66	.30	.112	48	24	.06	1277	.01	2	.65	.01	.06	1	78	5600
017293 DR	10	17	53	625	.1	101	17	826	5.18	242	5	ND	17	69	2.1	18	2	70	.54	.072	41	26	.11	1803	.01	2	.61	.01	.03	1	23	7300
017294 DR	28	19	39	741	.3	146	16	3434	6.02	1310	5	ND	16	78	3.4	23	2	67	.20	.070	45	25	.04	1615	.01	6	.53	.01	.04	3	1970	9600
017295 DR	13	17	36	463	.1	108	17	913	4.20	224	5	ND	19	43	1.1	13	2	61	.52	.125	49	25	.11	964	.01	2	.76	.01	.07	1	58	3500
017296 DR	17	15	25	655	.1	132	20	1171	4.89	259	5	ND	18	39	1.5	11	2	65	.47	.125	68	24	.08	1012	.01	2	.59	.01	.05	1	55	4000
017297 DR	21	17	28	850	.1	197	27	923	6.26	450	5	ND	18	42	3.1	27	5	62	.49	.125	58	24	.35	1185	.02	6	1.32	.01	.12	2	67	3100
017298 DR	21	21	43	918	.9	140	17	453	5.18	1338	5	5	19	50	12.7	26	2	67	.28	.105	50	24	.04	1335	.01	2	.56	.01	.07	2	4430	7800
017299 DR	30	30	50	1213	.2	193	18	610	6.02	624	5	2	18	38	7.9	44	3	65	.29	.128	51	21	.03	999	.01	2	.56	.01	.07	2	1200	3600
017300 DR	17	19	32	734	.1	132	20	578	5.49	493	5	ND	17	55	4.1	21	2	69	.52	.123	60	28	.56	2170	.07	4	1.61	.01	.29	1	270	1100
017301 DR	13	16	34	438	.1	82	20	785	4.18	294	5	ND	17	61	1.7	14	2	74	.55	.115	60	31	.63	3379	.09	4	1.96	.02	.39	1	131	1800
017302 DR	7	16	27	228	.1	43	14	750	3.91	108	5	ND	17	57	.9	6	2	77	.56	.114	45	35	.83	2908	.05	6	1.92	.02	.24	1	78	1400
017303 DR	6	16	23	179	.1	35	15	911	3.81	67	5	ND	18	43	.7	5	2	82	.52	.120	60	40	.85	1578	.04	6	1.63	.02	.20	1	30	1600
017304 DR	3	12	30	146	.1	21	12	908	3.83	49	5	ND	16	65	.2	5	3	81	1.29	.110	49	35	.90	1470	.13	2	1.63	.03	.44	1	21	1900
017305 DR	13	15	35	873	.1	84	17	688	4.74	204	5	ND	19	54	1.8	17	2	70	.65	.117	56	26	.23	1321	.02	2	.92	.01	.12	1	14	5200
017306 DR	13	17	34	1026	.1	105	18	718	4.63	179	5	ND	17	49	1.0	19	2	64	.35	.106	45	22	.09	1473	.01	2	.76	.01	.06	1	18	4600
017307 DR	18	24	21	1083	.1	124	16	554	4.55	262	5	ND	18	37	1.5	32	2	72	.34	.144	47	23	.04	454	.01	3	.65	.01	.05	1	21	3300
017308 DR	18	21	24	752	.1	97	14	473	4.31	332	5	ND	19	47	1.5	32	2	59	.35	.135	54	21	.07	1032	.01	6	.73	.01	.10	1	97	2900
017309 DR	4	17	14	347	.1	53	15	616	4.32	73	5	ND	16	99	1.1	8	2	74	1.36	.121	49	35	.98	1771	.05	3	1.88	.02	.24	1	22	540
017310 DR	8	16	34	418	.1	46	13	706	3.98	384	5	ND	14	128	1.3	13	4	44	1.80	.058	34	18	.64	576	.01	5	.53	.01	.09	1	65	4300
017311 DR	14	22	31	474	.1	68	13	499	4.40	543	5	ND	15	56	3.8	25	2	40	.42	.054	29	16	.12	517	.01	6	.52	.01	.08	1	102	4800
017312 DR	19	36	27	766	.1	100	14	527	4.41	427	5	ND	12	44	6.4	32	2	64	.12	.063	27	21	.04	555	.01	7	.63	.01	.07	1	68	6100
017313 DR	25	52	25	915	.1	111	21	2863	5.03	450	5	ND	12	65	9.4	32	2	99	.50	.086	31	27	.19	781	.01	4	.84	.01	.08	1	25	8600
017314 DR	8	34	24	1013	.1	104	16	960	4.21	305	5	ND	13	57	8.4	22	2	71	1.02	.084	36	20	.41	324	.01	7	.83	.01	.07	1	19	4900
017315 DR	7	37	48	972	.6	84	15	1117	4.40	359	5	ND	13	80	8.3	30	2	67	1.78	.065	29	19	.76	250	.01	2	.78	.01	.06	1	28	5400
017316 DR	10	30	52	581	.8	69	10	501	2.86	202	5	ND	5	69	5.0	14	5	65	.69	.041	15	13	.26	98	.01	9	.53	.01	.08	1	21	1300
017317 DR	14	42	35	447	.7	91	10	314	2.46	132	5	ND	4	93	4.2	13	2	70	.37	.053	13	12	.12	76	.01	5	.49	.01	.08	1	16	1800
017318 DR	16	24	38	520	1.3	104	13	728	4.29	1211	5	ND	15	34	1.8	859	2	27	.18	.084	49	12	.03	638	.01	6	.37	.01	.09	1	630	2900
017319 DR	25	42	49	709	1.9	163	17	826	5.32	1282	5	ND	16	47	1.3	264	5	24	.16	.096	53	11	.03	779	.01	4	.40	.01	.09	2	610	2700
017320 DR	29	25	48	820	1.0	184	14	437	5.53	1394	5	ND	18	64	1.8	264	2	30	.12	.081	52	11	.02	748	.01	8	.50	.01	.11	1	530	2900
017321 DR	17	33	61	562	1.3	119	14	814	4.66	1527	5	ND	16	117	1.4	142	2	33	.63	.075	47	14	.19	1097	.01	8	.56	.01	.10	1	800	2800
017322 DR	17	17	26	404	2.3	93	9	1431	3.23	1571	5	3	10	59	.8	70	2	22	.10	.034	33	12	.02	667	.01	4	.35	.01	.05	1	2890	2200
017323 DR	30	18	46	770	2.2	185	22	1048	5.02	1680	5	2	14	70	1.9	52	2	25	.08	.046	43	12	.02	652	.01	2	.41	.01	.07	1	2060	3100
017324 DR	47	64	83	876	1.4	208	20	373	5.36	978	5	ND	6	219	4.4	72	2	105	.08	.135	20	16	.02	2021	.01	2	.65	.01	.07	1	1180	5600
STANDARD C/AU-R	18	58	39	132	7.3	73	31	1032	4.10	44	18	7	36	52	18.4	15	19	55	.53	.094	36	55	.96	179	.07	34	1.94	.06	.14	12	530	1500

BERC 90-70

BERC 90-71

Noranda Exploration Co. Ltd. PRO. 9007-075 FILE # 90-2806 P

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	Hg ppb
017325 DR	38	20	8	796	1.2	157	8	203	4.12	760	5	ND	2	246	6.4	59	2	110	.07	.137	9	17	.02	2347	.01	3	.49	.01	.04	1	350	4100
017326 DR	23	30	5	634	1.1	107	6	134	3.23	543	5	ND	2	320	5.8	50	2	116	.08	.186	8	23	.01	3375	.01	4	.53	.01	.05	1	105	3300
017327 DR	19	29	12	429	1.9	81	5	330	2.12	353	5	ND	2	474	4.8	47	2	275	.11	.248	10	39	.02	4165	.01	6	.71	.01	.06	2	137	3500
017328 DR	39	53	54	743	1.1	112	8	329	3.56	544	5	ND	2	255	12.6	46	4	273	.09	.198	11	35	.01	3461	.03	3	.52	.01	.02	2	121	5800
017329 DR	11	34	10	317	2.4	50	4	131	1.70	326	5	ND	2	437	4.5	34	2	212	.07	.177	10	28	.02	3299	.01	8	.57	.01	.07	1	110	3000
017330 DR	24	47	26	486	2.0	97	6	355	2.36	412	5	ND	2	379	6.1	40	2	273	.08	.199	10	38	.01	3448	.01	4	.66	.01	.04	2	78	3500
017331 DR	40	54	24	1248	.8	150	13	480	4.88	1636	10	3	12	60	33.1	39	2	57	.06	.075	31	10	.01	584	.01	6	.49	.01	.06	1	3670	32000
017332 DR	26	19	37	1347	.1	129	12	750	4.26	619	5	ND	14	51	12.7	23	2	48	.06	.055	36	13	.02	582	.01	4	.55	.01	.07	1	550	5400
017333 DR	22	22	33	1061	.2	109	13	1072	4.28	735	5	ND	13	55	13.3	31	2	52	.40	.048	30	18	.03	564	.01	5	.53	.01	.07	2	530	10800
017334 DR	25	19	45	1162	.2	112	12	826	3.93	732	5	ND	14	40	9.2	22	2	47	.11	.046	33	15	.03	494	.01	2	.48	.01	.06	1	1470	3800
017335 DR	15	20	58	836	.1	77	11	912	3.63	378	5	ND	12	51	6.3	19	2	58	.50	.039	23	21	.11	504	.01	2	.53	.01	.05	2	310	4600
017336 DR	6	19	23	522	.5	53	11	1179	4.43	1544	6	3	12	55	7.5	21	2	58	.97	.030	22	24	.44	479	.01	3	.50	.01	.05	2	3370	14000
017337 DR	14	21	44	1177	.1	93	14	944	4.08	533	5	ND	13	54	7.3	19	2	64	.08	.041	22	19	.04	595	.01	2	.56	.01	.04	1	680	4500
017338 DR	14	23	24	1330	.1	107	14	803	4.25	525	5	ND	13	47	10.8	25	2	63	.43	.040	29	20	.18	434	.01	2	.56	.01	.05	1	320	9300
017339 DR	8	18	14	946	.1	85	13	848	3.82	574	5	ND	16	49	6.0	18	2	53	.72	.113	50	18	.25	363	.01	3	.66	.01	.08	1	1090	3000
017340 DR	10	24	20	1182	.1	106	14	884	4.10	542	5	ND	14	67	6.5	16	2	58	.89	.076	35	17	.35	422	.01	2	.73	.01	.08	1	450	3300
017341 DR	11	18	23	696	.1	75	11	875	3.71	446	5	ND	13	81	4.6	17	3	49	1.14	.032	31	19	.43	442	.01	2	.52	.01	.06	1	490	4000
017342 DR	8	19	19	571	.1	58	11	842	3.89	607	5	ND	11	64	5.0	20	2	54	1.34	.030	24	22	.54	422	.01	2	.53	.01	.05	1	740	10000
017343 DR	8	25	29	674	.1	66	12	767	3.68	300	5	ND	12	77	5.8	15	2	66	1.42	.071	30	23	.52	368	.01	2	.65	.01	.07	1	340	5800
017344 DR	7	26	48	652	.4	52	12	849	4.13	484	5	ND	11	77	5.7	19	2	74	1.88	.068	27	26	.76	201	.01	4	.68	.01	.06	1	360	7300
017345 DR	4	20	55	477	.2	35	10	663	3.34	244	5	ND	11	92	3.9	31	2	64	2.14	.095	35	27	.91	220	.01	2	.93	.01	.07	1	210	2900
017346 DR	3	27	61	593	.5	51	10	594	3.11	105	5	ND	10	75	8.1	29	2	70	1.52	.103	33	32	1.02	226	.05	2	1.30	.02	.19	1	63	1200
017347 DR	11	26	57	549	1.3	67	8	441	2.64	97	5	ND	7	199	4.4	24	4	105	.80	.200	27	23	.29	365	.01	6	.71	.01	.09	1	37	3600
017348 DR	6	17	145	430	.1	97	15	936	3.40	376	5	ND	16	40	1.3	16	2	72	.42	.110	44	34	.62	973	.36	2	1.55	.02	.39	1	95	1600
017349 DR	21	18	49	643	.1	117	13	566	5.67	807	5	ND	18	73	1.7	41	2	64	.20	.094	48	23	.13	818	.02	2	.76	.01	.13	1	58	4600
017350 DR	21	15	30	690	.1	101	14	520	4.71	492	5	ND	12	71	1.3	32	2	59	.05	.038	23	19	.03	1640	.01	2	.52	.01	.04	1	26	3300
017351 DR	28	17	32	922	.1	150	18	836	5.50	837	5	ND	13	56	2.8	35	2	65	.11	.059	35	23	.03	1752	.01	2	.52	.01	.04	1	24	2600
017352 DR	15	15	30	783	.1	167	16	571	5.31	658	5	ND	17	50	1.7	26	2	63	.38	.105	41	25	.33	1205	.06	2	1.34	.01	.19	1	14	1400
017353 DR	7	14	27	443	.1	100	16	1005	3.49	168	5	ND	15	58	.9	10	2	78	.50	.115	40	35	.81	1656	.15	2	1.46	.03	.31	1	15	410
017354 DR	8	16	35	529	.1	123	31	1927	3.78	289	5	ND	15	54	1.0	9	2	74	.46	.110	43	35	.74	1549	.15	2	1.53	.03	.35	1	14	1500
017355 DR	12	15	25	596	.1	126	14	252	4.36	713	5	ND	17	43	1.2	15	2	66	.43	.120	64	21	.28	718	.05	2	1.02	.01	.21	1	12	1400
017356 DR	13	18	27	682	.4	110	11	235	3.50	1072	5	ND	18	34	2.5	25	2	53	.37	.127	81	16	.08	440	.01	2	.55	.01	.11	1	760	1600
017357 DR	12	16	28	1259	.1	146	19	496	4.64	538	5	ND	18	35	2.1	27	2	55	.38	.129	79	16	.08	539	.01	2	.61	.01	.08	1	43	1050
017358 DR	15	13	19	882	.1	102	11	631	3.98	550	5	ND	16	65	2.1	27	2	49	.23	.097	44	16	.04	592	.01	2	.49	.01	.08	1	55	2200
017359 DR	10	18	17	788	.1	97	13	478	4.21	460	5	ND	14	32	.9	17	2	24	.34	.112	49	6	.08	350	.01	4	.72	.01	.11	1	18	1400
017360 DR	15	14	16	804	.2	104	15	728	4.29	855	5	ND	12	47	1.5	35	2	15	.25	.106	45	2	.05	405	.01	3	.51	.01	.13	1	1090	5200
STANDARD C/AU-R	18	57	38	131	7.2	71	31	1052	3.96	42	16	6	39	53	18.5	15	20	55	.48	.098	39	60	.88	180	.07	33	1.85	.06	.14	11	530	1600

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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	Hg ppb
017361 DR	21	15	18	1267	.3	112	17	424	5.65	1949	5	ND	14	65	2.4	50	2	27	.26	.101	43	10	.07	1133	.01	8	.65	.01	.17	1	1860	9300
017362 DR	25	19	20	1464	.1	142	20	452	5.58	1188	5	ND	15	29	6.3	58	3	22	.40	.122	49	8	.08	279	.01	6	.80	.01	.15	3	890	5500
017363 DR	38	29	29	1237	1.1	122	17	1087	5.63	3072	5	ND	15	75	18.6	54	2	25	.26	.115	49	8	.05	1420	.01	9	.68	.01	.14	2	1510	11000
017364 DR	35	24	47	728	1.7	83	10	709	3.50	875	5	ND	14	105	6.8	37	2	20	.13	.069	48	8	.04	1573	.01	12	.74	.01	.11	2	820	7500
017365 DR	58	26	56	1603	1.2	136	17	739	6.73	1040	5	ND	16	110	7.3	49	2	30	.10	.105	52	12	.04	1071	.01	10	.73	.01	.10	2	560	5200
017366 DR	53	21	51	1140	1.4	101	9	528	5.60	1365	5	ND	14	106	10.0	56	2	31	.13	.100	43	10	.03	861	.01	11	.60	.01	.09	2	720	5400
017367 DR	33	26	55	886	3.5	75	9	333	4.47	1898	5	2	14	79	9.7	40	4	23	.13	.066	38	7	.03	642	.01	9	.62	.01	.12	2	1410	4600
017368 DR	33	79	39	1006	4.0	107	9	642	3.92	888	5	ND	8	156	9.6	135	3	100	.13	.091	33	17	.04	1024	.01	11	.76	.01	.11	2	1800	10000
017369 DR	25	75	25	808	1.3	122	11	251	3.63	1126	5	ND	8	189	12.5	37	2	91	.11	.074	29	18	.03	911	.01	3	.75	.01	.09	2	2490	11000
017370 DR	15	42	75	819	1.8	102	16	514	3.42	525	5	ND	7	181	29.3	19	2	91	.60	.087	25	16	.19	289	.01	6	1.05	.01	.15	1	310	4100
017371 DR	14	38	107	1166	1.7	108	17	941	4.33	442	5	ND	10	289	24.5	13	3	60	1.78	.122	22	12	.60	297	.01	11	1.22	.01	.13	1	220	5000
017372 DR	22	23	43	398	1.8	67	6	104	2.39	345	5	ND	4	153	6.9	20	2	117	.12	.066	16	18	.05	467	.01	9	.63	.01	.13	1	1020	13000
017373 DR	13	49	26	482	1.2	102	11	696	2.85	1051	5	ND	5	117	13.3	25	2	86	1.10	.056	17	22	.34	471	.01	7	1.02	.01	.08	2	1740	8700
017374 DR	12	31	29	558	.5	99	11	593	3.22	1185	5	ND	10	121	10.9	21	2	62	1.37	.041	18	18	.47	470	.01	6	.91	.01	.08	1	1330	10000
017375 DR	12	35	31	538	.5	103	11	673	3.58	1474	5	ND	10	123	9.6	20	2	59	1.37	.046	18	20	.48	448	.01	8	1.10	.01	.10	1	1640	18000
017376 DR	11	30	26	410	.6	79	9	518	2.77	542	5	ND	7	88	5.6	20	2	89	.97	.046	16	23	.35	688	.01	7	.68	.01	.05	1	590	17000
017377 DR	11	12	18	166	1.8	31	3	64	.94	87	5	ND	2	110	1.9	11	2	102	.10	.063	9	20	.03	1443	.01	10	.46	.01	.07	1	97	2500
017378 DR	10	14	16	62	1.0	31	4	43	1.18	45	5	ND	1	47	.6	5	2	95	.04	.023	7	15	.02	252	.01	9	.32	.01	.06	2	44	1600
017379 DR	13	27	40	255	1.2	52	5	143	1.92	70	5	ND	3	349	1.7	16	2	201	.32	.227	11	32	.08	196	.01	13	.80	.01	.11	1	25	5200
STANDARD C/AU-R	18	57	42	132	7.3	70	31	1077	3.98	40	18	7	37	52	18.4	15	20	56	.55	.091	36	55	.92	179	.08	34	1.94	.06	.14	11	520	1600

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Noranda Exploration Co. Ltd. P' CT 9008-005 FILE # 90-2927

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	[illegible] ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	ppb	Hg ppb
017380 DR	12	32	52	785	.3	134	22	2472	4.81	1018	5	ND	17	87	2.1	780	2	77	.19	.060	41	31	.07	1290	.01	4	.78	.01	.05	1	420	4900
017381 DR	13	30	56	883	.5	138	19	1925	5.37	1666	5	ND	14	95	2.2	1196	5	65	.10	.049	38	23	.04	1048	.01	5	.63	.01	.05	1	1890	5600
017382 DR	8	20	43	556	.7	61	11	753	3.57	1516	5	2	14	93	1.6	1170	2	56	.08	.036	27	21	.01	749	.01	6	.55	.01	.04	2	2150	6600
017383 DR	5	54	37	803	9.1	77	12	631	4.33	2590	5	11	1	113	2.7	20816	4	50	.41	.023	24	17	.02	194	.01	8	.49	.01	.05	1	8950	9200
017384 DR	12	25	39	815	1.4	91	12	586	5.32	2824	5	8	13	95	2.4	3772	2	47	.14	.045	37	13	.02	869	.01	6	.51	.01	.08	1	7990	4600
017385 DR	6	16	35	479	.9	46	9	467	3.88	246[illegible]	5	5	12	118	1.7	756	3	44	.10	.046	29	12	.02	932	.01	5	.42	.01	.07	1	4930	12000
017386 DR	8	13	53	650	.4	60	11	769	4 [illegible]		5	ND	11	96	1.2	313	3	47	.05	.038	23	11	.02	915	.01	7	.60	.01	.07	1	260	7200
017387 DR	11	19	95	802	.7	84	10	[illegible]			5	ND	9	90	1.6	220	2	40	.05	.041	29	11	.02	764	.01	7	.49	.01	.08	1	290	9400
017388 DR	12	24	73	1056	1.7	[illegible]					5	ND	14	82	5.7	165	6	37	.17	.089	38	12	.02	810	.01	6	.48	.01	.09	1	200	7300
017389 DR	20	46	44	1023	[illegible]						5	ND	20	110	5.0	284	2	82	.28	.160	68	59	.03	871	.01	5	.47	.01	.09	1	86	4500
017390 DR	11	20	58	1258	.8						[illegible]	ND	15	41	5.3	187	2	55	.47	.124	51	26	.41	741	.05	7	1.71	.01	.26	1	37	1600
017391 DR	12	20	85	904	.6							ND	18	74	4.5	91	4	62	.31	.129	51	21	.05	792	.01	5	.63	.01	.08	1	76	2200
017392 DR	17	27	92	949	.7	1						ND	15	73	5.2	90	2	46	.25	.112	37	14	.03	731	.01	5	.51	.01	.08	1	65	3400
017393 DR	24	38	183	1054	2.2	1						2	14	92	10.3	111	4	39	.21	.105	37	12	.03	713	.01	6	.47	.01	.08	1	1420	7300
017394 DR	19	29	131	965	1.0	10						ND	13	82	7.4	73	3	35	.18	.097	35	11	.03	1094	.01	7	.52	.01	.09	1	590	6800
017395 DR	20	19	60	929	.6	123						[illegible]	14	98	4.7	67	2	39	.14	.092	38	9	.03	1874	.01	7	.52	.01	.08	1	38	3600
017396 DR	19	31	45	762	.1	113							23	177	2.8	48	3	35	.16	.086	62	28	.03	1470	.01	5	.56	.01	.08	1	53	2700
017397 DR	12	25	41	669	.3	92							18	197	2.9	61	3	25	1.24	.091	59	21	.20	1100	.01	5	.52	.01	.10	1	33	3400
017398 DR	28	18	220	1668	.7	205							15	106	7.0	61	2	43	.08	.074	49	13	.05	1198	.01	6	.65	.01	.09	1	20	1900
017399 DR	24	14	100	1063	.5	137	1				[illegible]	ND	13	102	6.2	39	3	31	.10	.063	42	8	.05	1222	.01	7	.62	.01	.11	1	7	2500
017400 DR	14	21	48	544	.4	70	9	[illegible]	2.92	150	5	ND	8	115	2.8	21	2	40	.32	.050	34	12	.10	1235	.01	7	.53	.01	.13	1	3	2000
017401 DR	11	42	23	570	.3	106	16	321	3.57	108	5	ND	8	75	3.2	19	2	33	.15	.042	32	9	.24	49	.01	8	.50	.01	.17	1	11	1300
017402 DR	4	36	23	561	.3	81	17	395	3.46	37	5	ND	6	59	4.6	10	3	37	.14	.027	30	11	.49	45	.01	10	.50	.01	.18	1	5	780
017403 DR	4	36	14	554	.3	81	16	387	3.60	40	5	ND	7	63	6.4	20	2	34	.18	.032	33	12	.54	119	.01	9	.56	.01	.20	1	15	810
017404 DR	8	37	19	676	.3	97	11	120	2.93	397	5	ND	6	63	16.0	48	2	51	.11	.031	29	6	.13	272	.01	7	.65	.01	.16	1	23	1300
017405 DR	5	22	266	486	1.6	34	6	245	5.16	1411	5	ND	13	73	2.0	247	2	58	.06	.030	30	15	.02	547	.01	8	.48	.01	.08	1	450	3400
017406 DR	5	31	1039	557	5.7	25	5	175	5.75	1165	5	ND	13	64	1.4	846	4	52	.05	.025	33	12	.02	454	.01	8	.40	.01	.08	1	1820	4600
017407 DR	6	25	321	393	1.4	38	7	195	3.68	1375	5	2	12	72	1.5	626	4	52	.05	.028	24	17	.01	488	.01	7	.47	.01	.05	1	2090	5800
017408 DR	7	28	333	373	1.3	44	7	259	3.92	1514	5	ND	14	80	2.1	462	2	39	.07	.034	38	14	.02	570	.01	8	.52	.01	.08	1	790	2900
017409 DR	9	29	312	514	1.7	55	7	355	4.26	2281	5	3	13	86	2.7	698	2	38	.08	.039	42	11	.01	702	.01	6	.56	.01	.09	1	2490	5100
017410 DR	8	18	86	481	1.3	62	11	1094	4.48	1655	5	2	13	116	1.7	780	2	46	.07	.051	34	12	.01	1064	.01	7	.48	.01	.06	1	2660	7400
017411 DR	8	19	74	551	.8	49	7	526	4.35	1635	5	ND	13	105	3.6	351	2	52	.09	.054	31	15	.01	784	.01	6	.54	.01	.06	1	280	11000
017412 DR	7	27	79	681	.6	55	11	812	4.44	1164	5	ND	14	109	2.9	537	2	57	.07	.052	31	17	.01	848	.01	6	.56	.01	.06	1	102	7500
017413 DR	6	19	112	368	1.8	31	4	194	2.75	1765	6	12	12	163	3.9	4809	4	52	.14	.061	38	11	.02	1141	.01	6	.54	.01	.07	1	11900	7800
017414 DR	6	32	119	458	1.5	37	7	185	3.30	1602	5	5	9	124	2.7	7825	3	61	.11	.045	31	31	.02	865	.01	6	.47	.01	.06	1	5350	6800
017415 DR	13	39	63	753	1.8	76	13	736	4.69	3433	5	9	10	103	4.5	4712	2	57	.15	.048	33	25	.02	745	.01	7	.50	.01	.07	1	9320	6300
STANDARD C/AU-R	17	58	35	131	6.7	72	31	1060	3.71	42	19	7	38	52	18.4	15	19	55	.54	.093	39	59	.88	180	.08	35	1.85	.06	.14	11	510	1400

BCRC 91-73

BCRC 91-74

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	Hg ppb
017416 DR	19	16	45	480	2.2	50	5	340	4.72	3911	5	13	9	103	3.2	831	4	40	.46	.044	33	6	.03	727	.01	9	.53	.01	.10	1	13270	5300
017417 DR	17	17	42	1096	1.1	111	18	1068	5.31	1775	5	2	10	80	3.0	1076	2	37	.38	.040	29	9	.04	643	.01	6	.61	.01	.10	1	2300	5500
017418 DR	14	16	50	984	.6	103	13	903	5.04	1199	5	ND	11	80	4.8	936	2	41	.10	.039	33	10	.04	666	.01	10	.59	.01	.10	1	1900	4400
017419 DR	19	11	40	935	.3	116	14	989	4.83	1186	5	ND	11	99	3.6	289	2	31	.15	.055	31	8	.05	867	.01	8	.61	.01	.12	1	450	5800
017420 DR	14	13	33	683	.3	93	14	1578	4.60	780	5	ND	7	125	2.6	107	2	37	.98	.040	20	15	.34	617	.01	7	.54	.01	.11	1	290	8200
017421 DR	19	18	59	782	.5	98	15	1564	4.78	928	5	ND	12	100	1.7	144	2	26	.28	.048	29	7	.11	804	.01	10	.61	.01	.13	1	56	7300
017422 DR	11	12	53	474	.5	49	12	929	4.34	812	5	ND	11	182	.9	83	2	18	1.19	.050	26	6	.35	420	.01	9	.60	.01	.14	1	55	2800
017423 DR	9	32	39	488	.3	76	12	448	3.13	178	5	ND	8	116	1.7	29	2	33	.52	.053	24	7	.20	102	.01	9	.61	.01	.16	1	9	3300
017424 DR	14	33	27	494	.3	83	14	173	3.55	195	5	ND	9	67	3.1	40	2	32	.19	.051	38	7	.09	154	.01	7	.55	.01	.19	1	2	1500
017425 DR	11	33	30	645	.2	70	12	560	4.15	179	5	ND	19	223	2.8	29	3	25	1.21	.104	58	15	.48	331	.01	9	.48	.01	.16	1	23	1800
017426 DR	9	36	17	643	.3	87	15	363	3.73	95	5	ND	8	118	2.4	25	2	37	.35	.056	32	10	.38	135	.01	12	.54	.01	.19	1	4	680
017427 DR	8	40	20	648	.3	90	17	305	3.54	91	5	ND	7	92	3.4	34	2	40	.32	.054	31	10	.32	79	.01	10	.58	.01	.21	1	9	850
017428 DR	5	38	21	667	.4	75	16	332	3.20	49	5	ND	8	103	3.5	15	2	33	.36	.047	30	8	.40	103	.01	9	.54	.01	.21	1	3	500
017429 DR	6	44	32	892	.3	80	13	505	3.73	63	5	ND	12	255	3.1	14	2	47	1.34	.090	41	16	.64	160	.01	8	.53	.01	.18	1	1	1300
017430 DR	5	35	80	531	3.1	64	11	368	4.68	1505	5	ND	11	79	1.7	4653	2	42	.09	.035	31	14	.02	628	.01	5	.51	.01	.08	1	1030	4000
017431 DR	4	24	87	277	1.2	39	6	330	3.03	1475	5	ND	14	94	.7	3831	2	36	.09	.036	35	11	.02	669	.01	5	.51	.01	.09	1	1530	5800
017432 DR	2	34	112	236	1.2	34	7	224	2.09	941	5	ND	13	116	1.0	4878	2	49	.10	.037	27	17	.01	716	.01	7	.62	.01	.05	1	860	5400
017433 DR	4	29	71	539	1.2	68	11	1215	3.69	2108	5	2	13	99	1.7	2330	3	44	.11	.037	38	14	.02	693	.01	9	.61	.01	.06	1	1780	4200
017434 DR	8	31	85	546	1.5	105	9	2568	3.24	2304	5	4	11	93	1.6	4236	2	38	.12	.031	27	14	.02	695	.01	5	.54	.01	.06	1	4060	4600
017435 DR	12	21	80	725	2.0	99	15	3319	4.44	2214	5	2	13	116	2.7	648	2	37	.11	.050	42	13	.03	1080	.01	10	.62	.01	.09	1	2650	5300
017436 DR	19	18	152	815	1.6	93	31	2843	4.74	1553	5	ND	15	138	3.3	273	2	29	.11	.077	54	10	.03	1269	.01	9	.55	.01	.11	1	490	6800
017437 DR	28	20	140	914	1.6	103	31	3394	5.21	1474	5	ND	14	127	3.9	206	2	42	.10	.072	42	15	.03	1144	.01	8	.55	.01	.09	1	200	15000
017438 DR	10	18	137	654	.6	66	17	830	4.15	653	5	ND	12	122	1.7	124	2	64	.05	.047	24	20	.02	810	.01	4	.64	.01	.05	1	25	9000
017439 DR	15	27	75	863	.7	105	19	522	5.68	1132	5	ND	11	107	2.2	157	3	57	.17	.053	32	29	.06	805	.01	8	.60	.01	.08	1	3	8800
017440 DR	25	29	70	1062	.7	142	21	847	6.78	1786	5	ND	10	104	2.8	214	2	40	.08	.062	40	24	.03	940	.01	7	.59	.01	.10	1	290	12000
017441 DR	21	15	89	926	.6	127	14	652	4.98	1290	5	ND	11	97	1.7	175	2	27	.07	.050	35	9	.03	840	.01	7	.61	.01	.11	1	390	13000
017442 DR	21	15	38	762	.7	119	12	763	4.92	2497	5	4	10	87	2.0	178	2	33	.10	.052	31	9	.02	762	.01	8	.50	.01	.10	1	5020	8600
017443 DR	20	13	25	584	.6	77	12	1083	4.69	3596	5	6	9	73	1.9	155	2	25	.10	.046	24	5	.03	725	.01	7	.50	.01	.11	1	6150	5700
017444 DR	10	12	23	565	.4	72	11	1146	4.36	1301	5	ND	10	87	1.0	131	2	34	.68	.038	24	8	.16	681	.01	8	.59	.01	.11	1	1920	8000
017445 DR	13	10	46	568	.5	64	11	1139	4.63	1570	5	ND	11	127	1.2	162	2	21	.85	.057	25	8	.25	591	.01	9	.59	.01	.13	1	630	5800
017446 DR	6	12	36	376	.6	47	12	1018	4.27	1860	5	ND	8	114	.4	79	2	26	1.18	.028	16	9	.44	137	.01	8	.54	.01	.12	1	1350	6300
017447 DR	9	46	22	466	.3	91	15	165	3.26	148	5	ND	6	94	2.1	17	2	43	.15	.046	24	7	.14	31	.01	11	.54	.01	.18	1	11	1500
017448 DR	3	35	20	611	.2	86	18	547	4.30	50	5	ND	7	63	2.1	10	2	27	.21	.042	32	8	.64	96	.01	8	.52	.01	.21	1	24	560
017449 DR	4	36	16	604	.3	85	17	559	4.00	58	5	ND	7	73	2.7	17	4	35	.22	.040	30	10	.55	76	.01	9	.57	.01	.22	1	35	550
017450 DR	4	39	16	645	.3	81	18	445	3.68	29	5	ND	7	79	3.5	9	2	32	.23	.038	29	9	.49	80	.01	9	.54	.01	.21	1	18	330
017451 DR	9	39	17	474	.4	75	12	157	3.76	70	5	ND	7	83	2.9	12	3	39	.16	.041	26	8	.19	29	.01	9	.55	.01	.18	1	21	400
STANDARD C/AU-R	18	58	42	128	6.7	72	29	1050	3.97	41	24	6	37	53	18.4	14	20	55	.54	.094	38	56	.87	179	.07	38	1.84	.06	.14	11	490	1500

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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	Hg ppb
017452 DR	13	38	30	678	.3	103	15	844	3.81	109	5	ND	13	132	4.0	14	2	27	.55	.048	38	14	.37	110	.01	4	.51	.01	.13	1	2	580
017453 DR	23	56	29	782	.5	130	11	887	2.57	177	5	ND	7	292	4.3	21	2	127	.25	.169	30	22	.11	997	.01	9	.68	.01	.10	1	10	1600
017454 DR	21	57	119	570	.5	74	3	130	2.20	362	5	ND	2	51	7.5	26	2	154	.05	.040	9	14	.02	690	.01	9	.30	.01	.05	1	13	260
017455 DR	32	65	27	979	.7	126	5	404	3.24	515	5	ND	2	183	12.2	13	2	176	.10	.097	13	22	.03	1196	.01	7	.54	.01	.09	1	31	950
017456 DR	21	36	27	709	.9	83	4	164	2.86	385	5	ND	9	99	8.5	25	2	74	.12	.085	32	16	.03	918	.01	4	.66	.01	.12	1	9	620
017457 DR	18	47	26	1596	.8	230	10	294	3.80	417	5	ND	14	74	9.1	12	2	94	.11	.091	39	21	.11	616	.01	2	.96	.01	.10	1	11	560
017458 DR	37	70	42	1656	1.1	261	10	159	4.40	501	5	ND	8	158	11.3	29	2	133	.09	.117	30	19	.06	1065	.01	5	.88	.01	.10	1	23	1100
017459 DR	25	62	30	1001	1.3	175	6	55	2.69	310	5	ND	4	366	6.8	20	2	148	.52	.317	19	25	.03	2325	.01	10	.95	.01	.09	1	8	1050
017460 DR	15	56	26	955	1.7	113	7	60	2.33	202	5	ND	7	341	6.1	13	3	143	.51	.316	25	22	.03	2463	.01	9	.89	.01	.12	1	13	1700
017461 DR	12	74	40	637	1.9	64	5	45	1.71	123	5	ND	6	263	4.9	11	2	175	.55	.311	24	23	.03	2005	.01	8	.79	.01	.14	1	34	1600
017462 DR	15	67	42	153	2.0	25	3	239	.92	117	5	ND	2	259	5.8	16	2	338	.53	.432	11	42	.04	2675	.01	17	.73	.01	.14	1	83	3700
017463 DR	24	67	31	211	2.2	18	2	48	1.28	121	5	ND	2	212	5.8	8	2	402	.23	.267	10	36	.04	1322	.01	11	.71	.01	.15	1	28	4200
017464 DR	15	91	56	285	2.9	21	4	81	1.59	262	5	ND	2	545	13.5	16	2	836	1.58	1.045	16	89	.07	4088	.01	17	1.30	.01	.26	2	65	6500
017465 DR	13	109	63	325	3.1	30	4	67	2.14	568	5	ND	5	395	11.4	14	2	952	2.62	1.318	25	99	.09	2756	.01	23	1.33	.01	.35	2	220	4600
017466 DR	15	46	48	1157	1.0	100	8	196	3.80	825	5	ND	10	90	5.3	12	3	54	.23	.179	34	5	.03	1035	.01	10	.59	.01	.15	1	490	2300
017467 DR	19	51	49	1674	1.0	127	8	198	4.35	271	5	ND	10	75	11.9	9	3	51	.08	.133	33	4	.02	1005	.01	11	.63	.01	.15	1	8	10000
017468 DR	21	158	29	835	1.8	97	6	135	1.90	239	5	ND	6	375	14.8	13	3	870	3.84	1.695	27	101	.07	2139	.01	19	1.43	.01	.31	1	12	3300
017469 DR	18	119	21	1492	1.8	135	13	298	2.88	253	5	ND	7	335	23.6	11	2	396	1.40	.680	28	65	.05	3286	.01	12	1.01	.01	.21	1	1040	13000
017470 DR	28	366	32	587	5.3	67	4	62	1.45	304	7	ND	4	415	27.1	8	2	779	2.13	.896	31	201	.09	3237	.01	16	1.07	.01	.27	1	200	18000
017471 DR	10	262	13	618	3.5	95	5	48	1.23	253	7	ND	2	582	15.9	11	2	418	3.40	1.527	20	174	.05	4552	.01	12	.92	.01	.15	1	11	6900
017472 DR	19	228	14	485	2.0	77	3	35	1.07	229	5	ND	3	313	11.2	12	2	1374	2.53	1.028	25	144	.09	2391	.01	14	.93	.01	.26	1	6	17000
017473 DR	33	286	19	1998	2.5	147	3	40	1.28	263	5	ND	3	309	45.4	19	2	1533	2.00	.826	21	143	.09	494	.01	16	.96	.01	.26	1	62	14000
017474 DR	45	232	13	3173	1.6	270	4	30	.78	170	5	ND	2	290	85.5	28	2	1539	3.36	1.395	23	144	.10	149	.01	17	.97	.01	.30	1	12	6500
017475 DR	36	170	15	1921	1.5	255	4	75	.87	147	5	ND	2	337	49.6	25	2	834	2.58	1.027	21	160	.09	133	.01	13	.76	.01	.18	1	10	4300
017476 DR	36	208	17	1827	1.9	241	4	79	1.21	227	5	ND	3	298	48.8	24	2	925	2.47	.984	21	140	.08	100	.01	12	.83	.01	.21	1	30	7800
017477 DR	28	203	21	1793	1.7	274	4	93	.95	226	6	ND	2	439	56.4	24	2	637	4.07	1.840	22	168	.13	88	.01	12	1.00	.01	.22	1	8	6200
017478 DR	2	22	45	213	.2	39	12	684	3.36	198	5	ND	18	55	.9	130	4	92	.64	.112	51	41	.91	1068	.20	7	1.67	.04	.37	2	21	80
017479 DR	1	20	28	212	.1	44	11	663	3.27	151	5	ND	16	56	1.0	83	2	93	.57	.109	44	47	1.02	1297	.23	3	1.77	.04	.53	1	22	140
017480 DR	2	19	39	238	.1	57	13	956	3.49	316	5	ND	18	49	.8	222	2	66	.50	.128	49	32	.64	1654	.10	5	1.68	.02	.36	1	22	250
017481 DR	2	23	39	271	.1	55	14	821	3.72	228	5	ND	18	70	1.2	151	2	95	.52	.116	48	49	1.08	2321	.20	3	2.00	.04	.61	1	11	300
017482 DR	3	20	33	373	.1	70	15	778	3.73	491	5	ND	19	52	1.2	218	2	78	.56	.122	58	34	.57	1064	.08	2	1.61	.02	.29	1	105	1100
017483 DR	9	33	100	547	.8	78	15	886	3.95	648	5	ND	19	101	1.6	282	2	68	.25	.105	49	27	.07	806	.01	5	.73	.01	.09	1	75	5200
017484 DR	12	32	88	917	.4	118	15	1449	5.00	764	5	ND	20	52	1.6	327	2	75	.36	.120	64	28	.06	314	.01	2	.67	.01	.08	1	63	4700
017485 DR	11	19	28	684	.1	96	18	1015	3.84	760	5	ND	20	64	1.1	305	2	75	.41	.129	62	29	.06	438	.01	2	.65	.01	.07	1	58	2900
017486 DR	14	21	63	679	.2	84	17	1055	3.86	1140	5	ND	17	119	1.2	1224	3	45	.14	.060	39	16	.03	882	.01	8	.55	.01	.08	1	440	5600
017487 DR	13	18	47	671	.8	75	15	1300	3.56	1714	5	2	14	92	1.3	2228	5	41	.13	.043	40	16	.03	657	.01	9	.51	.01	.06	1	2090	7300
STANDARD C/AU-R	18	58	39	131	6.9	68	31	1049	3.75	40	20	7	37	52	18.4	15	20	55	.54	.094	38	58	.88	180	.07	33	1.88	.06	.14	11	520	1200

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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	ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	ppb	Hg ppb
017488 DR	15	34	87	549	1.9	61	12	1074	4.36	1911	5	ND	14	98	2.1	2317	2	36	.25	.046	38	11	.05	623	.01	7	.53	.01	.07	1	1360	7800
017489 DR	2	15	140	166	1.8	17	9	1638	3.25	2266	5	2	9	374	.2	390	2	30	3.11	.025	18	17	1.15	69	.01	7	.46	.01	.08	1	1230	3200
017490 DR	3	13	31	268	1.2	29	8	1433	3.28	3069	5	3	10	366	.4	610	2	29	2.84	.030	21	15	.99	78	.01	5	.48	.01	.08	1	2610	2900
017491 DR	5	18	25	343	2.5	41	9	568	3.25	9100	5	12	10	112	.6	280	2	30	.71	.026	22	11	.24	102	.01	4	.45	.01	.07	1	13740	8000
017492 DR	13	15	32	565	2.1	77	9	639	3.63	4864	5	9	8	90	2.4	370	2	33	.35	.039	25	13	.10	628	.01	3	.42	.01	.07	3	9320	7500
017493 DR	10	20	45	573	.8	57	12	823	3.95	2970	5	2	10	104	1.5	122	2	27	.34	.058	23	6	.15	460	.01	6	.61	.01	.13	1	2880	7900
017494 DR	8	9	71	721	.2	61	12	936	3.75	631	5	ND	12	143	.2	72	2	29	.38	.079	27	9	.16	1338	.01	8	.68	.01	.13	1	112	7600
017495 DR	9	32	30	280	.8	78	13	179	2.87	2068	5	ND	4	111	.5	43	2	34	.35	.037	17	5	.15	22	.01	6	.54	.01	.17	1	990	3900
017496 DR	6	34	17	354	.2	84	16	284	3.12	160	5	ND	5	107	1.0	15	2	26	.25	.039	25	7	.49	33	.01	7	.50	.01	.18	1	33	1400
017497 DR	6	38	23	510	.2	86	16	248	2.75	66	5	ND	6	91	2.9	10	2	35	.30	.037	24	8	.44	43	.01	7	.53	.01	.20	1	25	830
017498 DR	6	36	17	526	.2	83	15	298	3.18	59	5	ND	5	101	2.3	12	3	35	.36	.043	24	8	.55	46	.01	8	.54	.01	.20	1	27	560
017499 DR	4	33	10	597	.1	78	16	386	3.24	35	5	ND	6	98	2.1	7	3	29	.34	.038	26	9	.61	78	.01	5	.53	.01	.21	1	14	280
017500 DR	6	36	19	731	.2	85	16	304	2.99	26	5	ND	5	87	3.4	8	2	36	.32	.046	22	8	.44	36	.01	7	.54	.01	.20	1	5	170
017501 DR	4	34	20	541	.2	64	14	408	2.80	41	5	ND	8	251	2.5	10	2	35	1.31	.071	23	12	.72	49	.01	6	.53	.01	.19	1	10	180
STANDARD C/AU-R	18	57	37	129	6.9	72	31	1040	3.66	39	18	7	37	52	18.5	16	20	56	.54	.095	37	59	.88	180	.07	33	1.87	.06	.14	11	470	1500

BCRC 90-78

BCRC 90-79

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	Hg ppb
017502 DR	17	29	38	704	.4	93	8	99	3.90	1062	5	ND	13	89	4.8	27	5	68	.06	.052	28	22	.02	605	.01	3	.70	.01	.05	3	1650	10000
017503 DR	18	23	43	688	.8	88	6	96	3.40	1215	5	4	12	109	7.1	33	2	60	.07	.053	29	18	.02	617	.01	3	.63	.01	.06	2	6060	11000
017504 DR	25	24	31	778	.7	115	9	220	4.19	1618	5	2	12	104	9.8	68	2	58	.08	.061	30	15	.02	613	.01	5	.59	.01	.07	2	3650	11000
017505 DR	11	27	41	606	.3	84	7	137	3.63	1554	5	ND	14	86	6.7	37	2	74	.06	.039	20	24	.02	598	.01	3	.68	.01	.06	2	1630	13000
017506 DR	12	25	33	1122	.2	109	15	742	4.26	1214	5	ND	13	100	9.9	46	2	70	.05	.049	22	25	.02	749	.01	2	.76	.01	.06	2	1610	7800
017507 DR	8	28	38	1314	.1	98	22	1059	4.24	835	8	ND	14	121	11.0	43	2	80	.04	.053	28	29	.02	935	.01	2	.79	.01	.03	2	500	8100
017508 DR	5	24	34	1170	.1	94	17	1075	3.48	609	6	ND	15	135	11.3	44	3	72	.04	.059	29	26	.02	1011	.01	4	.72	.01	.03	2	310	7600
017509 DR	7	24	39	862	.5	127	11	396	3.53	2534	7	2	15	108	11.8	78	2	85	.08	.046	28	27	.02	672	.01	4	.89	.01	.07	2	2400	6800
017510 DR	5	23	30	1269	.6	114	21	1447	3.53	3540	5	3	15	81	21.9	74	2	44	.08	.034	37	17	.03	622	.01	3	.66	.01	.08	1	3890	5500
017511 DR	11	26	52	895	1.8	87	15	1191	2.96	2869	5	3	15	84	20.1	876	2	33	.09	.069	45	12	.03	833	.01	4	.60	.01	.09	1	3190	4300
017512 DR	12	26	78	490	2.3	73	8	457	2.33	1298	5	2	7	84	22.8	2782	2	42	.08	.116	25	13	.02	691	.01	4	.69	.01	.06	1	3090	2900
017513 DR	15	31	25	703	1.2	63	9	198	2.94	833	5	ND	9	162	3.9	52	2	98	.06	.124	30	13	.03	1452	.01	6	.74	.01	.13	1	770	2100
017514 DR	10	24	29	95	.5	15	2	28	.78	88	5	ND	3	195	3.0	29	3	101	.10	.074	13	16	.04	1723	.01	12	.63	.01	.19	1	94	3000
017515 DR	12	43	21	78	1.2	22	2	27	.88	76	6	ND	2	376	6.5	35	2	301	.44	.386	14	43	.05	3574	.01	21	1.06	.01	.22	1	27	5200
017516 DR	22	127	27	261	2.2	38	3	86	1.77	149	5	ND	4	380	11.6	22	2	335	.39	.298	20	58	.08	1459	.01	15	1.15	.01	.21	1	31	3800
017517 DR	20	140	13	155	2.2	35	6	261	.60	47	8	ND	2	344	13.9	11	2	492	.67	.306	14	49	.05	1644	.01	15	.81	.01	.15	1	18	4100
017518 DR	22	146	10	200	2.1	34	3	165	.82	89	9	ND	2	363	16.9	8	3	390	.57	.277	13	45	.05	1719	.01	15	.76	.01	.14	1	21	3300
017519 DR	31	84	11	301	2.8	39	2	96	1.08	115	6	ND	2	276	17.8	6	3	446	.50	.204	14	45	.05	1248	.01	15	.68	.01	.19	1	13	3600
017520 DR	19	57	8	335	1.3	39	1	85	.70	65	5	ND	1	228	8.0	6	2	390	.80	.311	11	40	.04	1291	.01	13	.58	.01	.13	1	11	2500
017521 DR	19	65	17	548	1.6	48	2	97	.83	52	5	ND	1	354	10.0	9	3	425	.99	.423	12	51	.05	1625	.01	15	.76	.01	.15	1	13	2200
017522 DR	14	58	19	1113	.5	74	4	304	1.65	169	5	ND	4	342	16.1	16	2	320	1.32	.592	17	41	.07	1920	.01	14	.93	.01	.14	1	9	1300
017523 DR	16	81	30	681	1.2	96	6	554	2.45	171	5	ND	4	284	20.4	15	2	500	2.63	.590	16	43	.55	94	.01	16	1.21	.01	.23	1	5	2300
017524 DR	15	51	36	928	.8	107	8	678	2.69	107	5	ND	6	263	10.8	40	2	253	2.45	.396	20	25	.58	115	.01	7	.97	.01	.22	1	4	2100
017525 DR	26	137	23	2999	2.2	266	12	980	2.75	215	5	ND	5	296	18.2	12	2	640	2.45	.904	20	93	.26	99	.01	18	1.56	.01	.24	2	12	8700
017526 DR	11	34	45	760	1.9	65	12	756	4.39	3956	5	ND	21	202	10.4	118	2	43	.19	.084	59	20	.03	1429	.01	7	.62	.01	.13	1	3450	3500
017527 DR	25	31	36	825	1.1	89	9	246	4.56	2108	5	ND	23	180	9.4	264	2	37	.13	.086	63	21	.03	1249	.01	6	.64	.01	.12	1	1350	3800
017528 DR	21	32	32	1031	.8	137	10	208	4.69	1897	5	ND	24	175	7.8	263	4	49	.10	.080	64	21	.03	1100	.01	6	.93	.01	.13	1	840	2900
017529 DR	13	34	28	1460	.1	162	22	1691	4.76	997	5	ND	26	133	6.2	168	2	38	.21	.122	71	18	.03	903	.01	4	.80	.01	.16	1	63	2600
017530 DR	11	32	18	1198	.1	139	20	1144	4.61	764	5	ND	26	53	5.9	154	2	31	.33	.129	74	18	.03	383	.01	2	.62	.01	.16	1	48	1900
017531 DR	8	31	30	423	1.3	55	15	1151	4.39	5007	5	2	25	80	4.2	126	2	23	.35	.119	74	16	.03	534	.01	6	.44	.01	.16	1	2760	3100
017532 DR	8	33	36	481	.1	60	20	1818	4.57	1307	5	ND	25	184	2.2	55	3	22	.68	.106	64	14	.10	1166	.01	9	.56	.01	.17	9	99	2400
017533 DR	12	35	47	679	.4	98	19	1936	4.94	4015	5	ND	23	174	5.9	86	2	31	.19	.094	68	18	.03	1378	.01	4	.54	.01	.13	1	1220	2200
017534 DR	20	33	38	1140	.1	136	21	1955	5.11	2394	5	ND	20	138	9.4	109	2	34	.12	.078	63	18	.03	1320	.01	4	.58	.01	.13	1	800	2500
017535 DR	15	29	33	850	.1	89	17	1683	4.46	2464	5	ND	19	215	6.4	130	4	25	.97	.062	47	17	.26	928	.01	8	.62	.01	.13	1	680	2200
017536 DR	15	28	28	977	1.6	107	16	808	4.07	3574	5	4	22	200	10.6	207	7	27	.22	.097	68	18	.04	1400	.01	4	.65	.01	.13	1	4560	2800
017537 DR	18	30	30	997	2.5	94	13	570	4.45	4482	5	17	15	161	15.4	2408	2	28	.19	.088	46	14	.03	1186	.01	3	.58	.01	.11	1	17900	5600
STANDARD C/AU-R	18	57	38	131	6.6	70	31	1051	3.95	39	17	7	37	53	18.6	16	21	55	.51	.092	37	56	.89	181	.07	37	1.88	.06	.14	13	510	1600

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	Hg ppb
017538 DR	13	23	22	1464	1.5	164	16	307	4.27	1908	5	8	13	77	10.2	308	3	38	.23	.092	50	16	.04	359	.01	6	.57	.01	.13	1	7330	5200
017539 DR	15	24	19	2061	.1	242	21	514	4.78	1207	5	ND	16	66	5.1	337	4	51	.27	.116	51	20	.03	392	.01	5	.69	.01	.10	1	650	2600
017540 DR	11	25	19	1785	2.0	202	19	519	4.12	2463	5	10	13	91	7.8	1374	2	41	.22	.076	35	16	.04	521	.01	3	.70	.01	.09	1	8990	3800
017541 DR	15	63	40	3023	.8	213	23	895	5.79	2088	5	5	12	115	11.6	3606	4	46	.20	.096	29	20	.04	735	.01	6	.81	.01	.09	1	4660	4400
017542 DR	9	12	33	2511	.1	166	21	974	4.96	366	5	ND	15	37	7.8	195	2	45	.34	.115	38	13	.11	210	.01	6	.78	.01	.13	1	103	2200
017543 DR	7	27	37	984	.4	109	17	878	3.93	455	5	ND	10	136	2.9	147	2	45	.80	.083	30	12	.36	282	.01	7	.77	.01	.18	1	52	1600
017544 DR	8	38	29	690	.2	90	15	376	3.28	251	5	ND	7	159	2.4	28	2	45	.75	.075	27	11	.34	100	.01	8	.67	.01	.22	1	20	1500
017545 DR	5	33	28	1395	1.0	94	17	912	3.92	854	5	ND	16	647	4.6	43	4	25	2.37	.103	34	15	.94	109	.01	7	.62	.01	.15	1	380	3500
017546 DR	11	46	20	1385	2.1	100	15	759	3.53	1995	5	ND	7	290	15.3	32	2	128	1.91	.150	22	36	.73	92	.01	7	.85	.01	.13	1	1510	4800
017547 DR	67	82	52	1445	2.0	190	7	59	1.75	205	5	ND	1	236	25.1	20	3	344	1.04	.467	8	38	.07	80	.01	14	.90	.01	.18	1	28	3600
017548 DR	45	106	45	3471	3.4	149	7	138	2.27	274	5	ND	2	201	45.4	17	8	273	1.35	.449	7	41	.17	56	.01	20	.84	.01	.21	2	28	4600
017549 DR	17	58	23	1438	1.0	103	11	527	2.77	162	5	ND	7	278	18.9	14	2	96	2.28	.325	20	26	.59	81	.01	13	.86	.01	.17	1	10	2200
017550 DR	24	32	34	1264	.5	147	27	1743	4.67	385	5	ND	20	62	8.2	119	4	82	.42	.139	56	32	.25	933	.03	4	1.18	.01	.19	1	13	1800
017551 DR	15	32	52	810	1.0	78	22	670	2.82	841	6	2	17	152	7.6	712	8	66	.23	.095	37	25	.06	1156	.01	4	.78	.01	.08	1	1260	8300
017552 DR	13	27	35	903	.3	76	15	331	3.30	461	5	ND	18	130	5.6	413	2	77	.28	.120	43	28	.04	997	.01	4	.79	.01	.06	1	193	5400
017553 DR	12	24	39	867	.1	61	11	239	3.40	382	5	ND	19	136	4.2	199	2	82	.21	.107	44	28	.02	1007	.01	5	.76	.01	.05	1	30	7500
017554 DR	21	31	45	1038	1.0	108	13	378	4.64	1631	5	ND	16	130	7.9	1029	2	65	.09	.070	31	22	.02	976	.01	4	.78	.01	.07	2	1250	7800
017555 DR	12	24	49	636	1.1	55	7	218	3.68	1860	5	3	14	109	8.0	995	2	63	.07	.044	26	22	.01	849	.01	5	.61	.01	.06	2	3520	12000
017556 DR	12	23	55	960	.3	82	15	631	4.66	952	5	ND	14	153	5.4	472	2	73	.07	.057	29	27	.04	1196	.01	2	.73	.01	.03	1	1090	5600
017557 DR	10	19	48	842	.2	71	11	385	3.79	720	5	ND	17	142	4.4	299	2	70	.12	.082	35	27	.02	1347	.01	4	.72	.01	.06	1	460	4200
017558 DR	9	18	29	671	.1	66	14	684	2.96	191	5	ND	21	51	2.0	80	2	77	.41	.130	56	29	.13	433	.01	3	.99	.01	.12	1	44	2100
017559 DR	8	17	19	759	.1	88	13	390	3.13	244	5	ND	20	42	2.8	57	2	76	.41	.135	63	27	.32	645	.06	6	1.29	.01	.30	1	25	2500
017560 DR	9	17	25	655	.4	54	9	290	3.06	513	5	ND	18	83	3.9	73	2	53	.24	.109	70	17	.08	615	.01	7	.71	.01	.26	1	400	2700
017561 DR	14	18	16	1358	.2	129	19	1659	3.72	474	7	ND	18	39	4.7	109	2	60	.37	.133	61	18	.10	749	.01	4	.84	.01	.13	1	59	1600
017562 DR	8	12	24	511	.1	66	13	1124	4.14	81	5	ND	16	44	.7	31	2	61	.50	.110	54	25	.33	1006	.03	5	1.37	.01	.20	1	2	1200
017563 DR	13	16	15	703	.1	103	14	1236	4.03	199	5	ND	16	38	1.3	57	2	67	.53	.121	51	29	.44	595	.07	6	1.24	.02	.13	1	13	950
017564 DR	9	16	20	639	.5	85	14	904	3.59	461	5	ND	15	47	1.3	40	2	56	.49	.103	44	27	.50	617	.08	7	1.21	.02	.19	1	74	860
017565 DR	11	11	37	1454	.2	126	16	837	4.62	377	5	ND	13	83	2.3	51	2	57	.61	.113	40	28	.12	574	.01	2	.71	.01	.12	1	8	1300
017566 DR	5	7	40	683	.3	61	11	969	3.94	113	5	ND	14	208	1.2	23	2	36	1.82	.069	35	12	.60	987	.01	3	.71	.01	.14	1	1	1200
017567 DR	6	11	30	761	.4	58	11	1107	3.86	104	5	ND	11	223	3.0	15	2	18	1.97	.050	23	5	.61	804	.01	7	.65	.01	.15	1	18	2500
017568 DR	11	11	39	953	.5	71	11	995	3.76	164	5	ND	10	218	2.5	16	2	19	1.89	.059	22	6	.56	863	.01	6	.66	.01	.15	1	1	2600
017569 DR	14	39	27	645	.7	143	20	1032	3.84	514	5	ND	5	133	2.1	22	2	68	.37	.055	23	14	.41	58	.01	9	.74	.01	.21	1	43	2100
017570 DR	6	36	21	520	.3	90	18	410	3.42	67	5	ND	6	103	2.2	12	2	44	.36	.038	30	10	.52	86	.01	7	.69	.01	.24	1	1	430
017571 DR	8	41	14	623	.3	92	16	227	3.11	66	5	ND	5	159	4.3	14	2	53	.57	.054	22	10	.43	44	.01	11	.73	.01	.24	1	1	410
017572 DR	3	26	21	297	.4	36	13	833	3.76	581	5	ND	18	514	.7	12	2	25	2.93	.100	40	15	1.44	89	.01	9	.56	.01	.18	1	40	1200
017573 DR	4	28	33	423	.5	39	13	927	3.69	297	5	ND	20	560	1.1	10	2	22	3.03	.104	39	15	1.43	193	.01	10	.52	.01	.17	1	25	960
STANDARD C/AU-R	18	57	37	131	7.2	69	31	1050	3.96	40	20	7	37	53	18.6	15	21	55	.51	.091	37	57	.92	181	.07	34	1.90	.06	.14	13	490	1400

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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	Tl ppb	Hg ppb
017574 DR	6	14	29	492	1.0	41	8	401	4.21	3546	5	3	13	159	1.3	1427	2	24	.19	.064	40	8	.07	1443	.01	5	.64	.01	.15	1	2760	4400
017575 DR	6	22	29	763	.6	48	8	316	4.11	1602	5	ND	15	170	1.6	395	2	16	.11	.091	49	7	.04	1549	.01	3	.71	.01	.15	1	1090	4600
017576 DR	17	23	36	545	1.0	54	7	124	4.93	1421	5	ND	8	154	2.5	817	4	53	.08	.100	31	11	.04	1378	.01	8	.67	.01	.18	1	650	5000
017577 DR	14	22	49	535	.4	60	9	203	3.79	1194	5	ND	13	132	3.7	309	3	27	.06	.080	40	18	.02	1339	.01	8	.68	.01	.13	1	640	4500
017578 DR	13	28	55	650	.3	95	9	512	3.30	965	5	ND	15	126	4.9	570	3	28	.06	.080	41	13	.02	1095	.01	6	.82	.01	.12	2	450	5600
017579 DR	23	22	64	1116	.7	166	28	2632	4.90	1323	11	ND	15	145	8.6	624	2	35	.07	.084	40	16	.02	1644	.01	5	.70	.01	.12	1	460	9300
017580 DR	13	14	35	875	.1	99	15	1381	4.66	777	5	ND	14	127	2.6	195	2	28	.06	.067	37	11	.03	1181	.01	8	.66	.01	.12	1	99	4400
017581 DR	11	14	47	454	.3	56	12	1194	4.05	1098	5	ND	14	149	1.7	131	2	14	.30	.087	39	15	.07	1141	.01	8	.58	.01	.14	1	200	1700
017582 DR	16	16	61	670	.8	59	12	1271	4.22	2467	8	2	15	126	3.4	277	2	13	.25	.110	46	7	.04	994	.01	7	.56	.01	.15	1	1320	780
017583 DR	7	14	63	465	.5	29	12	985	3.95	3321	5	ND	13	186	2.3	123	2	11	.52	.070	34	10	.13	942	.01	6	.53	.01	.14	1	1040	1050
017584 DR	5	16	63	854	.2	44	14	1245	4.15	389	5	ND	16	210	2.8	65	2	24	1.32	.090	43	12	.11	1118	.01	7	.71	.01	.13	1	52	2500
017585 DR	9	13	45	1380	.1	71	19	1511	4.84	399	5	ND	17	232	2.8	42	2	48	.76	.086	49	26	.06	1414	.01	6	.92	.01	.11	1	24	1900
017586 DR	10	17	54	974	.4	57	17	1318	4.77	289	5	ND	17	144	2.5	45	3	26	.46	.105	47	16	.06	1314	.01	7	.72	.01	.14	1	31	1700
017587 DR	7	16	97	647	1.7	35	13	1165	4.17	1911	5	ND	14	235	2.2	61	22	23	1.35	.079	29	16	.30	1043	.01	7	.68	.01	.12	1	55	2800
017588 DR	8	17	127	594	1.1	35	10	1355	4.09	484	5	ND	13	210	2.3	82	6	15	1.26	.110	33	8	.25	763	.01	16	.70	.01	.17	1	32	2600
017589 DR	8	25	62	993	.6	104	17	1046	4.13	246	5	ND	15	50	1.4	87	3	12	.69	.119	44	11	.10	255	.01	8	.70	.01	.19	1	11	1100
017590 DR	7	20	31	1343	.2	204	21	895	4.25	201	5	ND	13	99	2.0	102	2	13	1.19	.112	35	6	.30	208	.01	10	.72	.01	.17	1	16	320
017591 DR	4	12	23	1044	.1	112	14	536	3.64	95	5	ND	14	82	2.4	64	4	39	.86	.107	39	25	.71	470	.01	7	1.29	.01	.17	1	18	230
017592 DR	3	9	17	1021	.1	188	20	451	3.35	96	5	ND	14	60	2.5	50	3	62	.46	.105	42	35	1.03	1025	.07	3	1.77	.02	.30	1	5	80
017593 DR	3	14	28	703	.1	103	13	418	3.84	56	5	ND	16	78	.4	33	2	77	.64	.118	45	43	1.29	977	.06	6	2.23	.02	.27	1	1	60
017594 DR	3	17	26	631	.1	94	14	635	3.78	57	5	ND	11	180	.8	25	2	55	1.99	.105	32	29	1.12	165	.01	6	1.66	.01	.17	1	5	260
017595 DR	8	39	34	756	.1	103	15	287	3.29	110	5	ND	6	145	3.3	35	2	61	.76	.069	27	21	.52	52	.01	10	1.17	.01	.26	1	1	410
017596 DR	9	40	24	658	.3	102	17	245	3.63	65	5	ND	5	149	2.3	20	2	52	.43	.063	23	13	.48	35	.01	10	.82	.01	.25	1	8	430
017597 DR	12	46	17	582	.5	101	14	287	3.05	87	5	ND	4	251	3.2	19	2	74	.83	.076	19	20	.47	32	.01	11	.77	.01	.22	1	3	280
017598 DR	11	22	48	437	.9	54	11	559	3.22	1686	5	ND	12	68	2.5	242	2	18	.11	.065	40	11	.03	1065	.01	7	.53	.01	.13	1	940	3300
017599 DR	8	15	75	813	1.3	84	10	786	3.52	808	5	ND	10	124	3.2	361	3	31	.05	.077	37	19	.02	1513	.01	5	.62	.01	.09	1	1590	1500
017600 DR	12	15	66	894	.7	100	11	331	4.73	955	5	ND	15	147	2.4	540	5	28	.06	.096	43	13	.02	1523	.01	6	.75	.01	.10	1	900	4300
017601 DR	10	24	43	604	.3	61	10	115	4.05	601	5	ND	16	153	1.2	349	3	45	.07	.099	40	22	.03	1478	.01	7	.90	.01	.10	1	360	3900
017602 DR	10	22	48	1049	.7	46	15	838	5.14	1880	5	ND	18	164	4.6	614	2	22	.07	.086	53	11	.02	1517	.01	8	.71	.01	.12	1	490	1500
017603 DR	3	19	47	1060	.8	52	20	2185	4.82	208	5	ND	16	170	1.6	103	2	22	1.04	.084	52	13	.08	1508	.01	6	.75	.01	.14	1	22	3400
017604 DR	3	16	57	830	.5	32	14	1558	4.06	140	5	ND	14	203	.9	126	2	17	1.91	.067	35	8	.17	1310	.01	5	.64	.01	.12	1	9	2300
017605 DR	3	24	84	595	.9	23	10	1160	3.59	676	5	ND	12	308	1.2	7902	2	19	2.27	.057	24	13	.36	917	.01	5	.61	.01	.11	1	280	3800
017606 DR	7	19	45	1031	.1	31	11	762	3.62	507	5	ND	14	173	.8	4411	2	45	.19	.058	25	20	.04	1080	.01	5	.65	.01	.07	1	67	5700
017607 DR	8	17	41	860	.1	37	13	992	4.20	458	5	ND	17	155	.7	898	2	54	.27	.067	38	30	.08	1281	.01	5	.80	.01	.08	1	94	2600
017608 DR	5	20	51	947	.8	28	12	1308	3.76	1535	5	ND	13	193	1.0	3705	2	31	.59	.046	30	14	.19	755	.01	6	.56	.01	.10	1	640	4200
017609 DR	3	16	48	584	.5	31	13	1020	3.80	869	5	ND	14	181	.5	437	2	38	1.12	.052	32	22	.27	1032	.01	4	.63	.01	.08	1	410	2200
STANDARD C/AU-R	18	58	38	131	6.8	67	31	1047	3.94	44	22	7	36	52	18.7	15	19	56	.50	.090	37	56	.87	179	.08	34	1.85	.06	.14	12	490	1600

BCRC 90-81

BCRC 90-82

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	Hg ppb
017610 DR	2	14	36	309	.2	19	8	1003	3.19	1255	5	ND	11	296	.2	48	2	22	2.41	.035	21	10	.70	599	.01	3	.39	.01	.10	1	250	1200
017611 DR	3	15	42	580	.4	26	11	1220	3.68	1511	5	ND	12	215	.6	126	2	28	1.73	.038	22	12	.45	665	.01	4	.41	.01	.09	2	280	1600
017612 DR	2	13	23	476	.4	22	9	1058	3.38	1490	5	ND	11	343	.2	59	2	30	2.54	.050	21	11	.86	294	.01	6	.48	.01	.09	2	460	2100
017613 DR	3	13	26	872	.1	38	12	1033	3.38	829	5	ND	14	254	.3	77	2	28	2.47	.106	35	11	.56	354	.01	6	.52	.01	.12	1	92	1400
017614 DR	3	14	30	593	.2	31	10	835	3.37	395	5	ND	14	200	.6	85	2	46	2.36	.113	35	19	.61	287	.01	7	.52	.01	.11	1	15	1500
017615 DR	3	12	17	315	.1	25	10	782	3.04	93	5	ND	14	119	.2	36	2	51	2.65	.115	42	20	.56	351	.02	2	.87	.01	.16	1	16	480
017616 DR	5	33	19	495	.1	70	14	445	2.88	79	5	ND	8	127	1.8	17	3	53	.91	.067	30	14	.39	90	.01	6	.76	.01	.22	1	4	390
017617 DR	11	40	10	542	.3	103	13	176	2.78	44	5	ND	3	164	2.6	9	2	58	.75	.073	16	9	.34	31	.01	14	.66	.02	.22	1	1	400
017618 DR	8	36	12	416	.2	94	14	234	3.22	48	5	ND	3	181	1.2	9	2	54	.78	.071	17	10	.51	39	.01	11	.67	.01	.23	1	7	380
017619 DR	8	40	20	464	.3	79	12	232	2.94	54	5	ND	4	212	2.7	17	2	49	.93	.061	19	9	.61	48	.01	11	.60	.01	.21	1	11	480
017620 DR	4	30	18	248	.1	42	12	567	3.58	50	5	ND	16	443	1.1	15	2	30	2.58	.087	35	14	1.26	95	.01	8	.52	.01	.18	2	1	950
017621 DR	3	32	15	293	.1	57	17	367	3.58	44	5	ND	6	152	1.7	21	2	25	1.36	.032	28	7	1.06	150	.01	7	.56	.01	.23	1	9	230
STANDARD C	19	58	40	130	6.7	71	31	1052	3.99	38	18	7	37	52	18.9	15	20	56	.51	.096	37	55	.89	182	.07	34	1.89	.06	.13	11	-	1500

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9008-024 File # 90-3164 Page 1

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5

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	Hg ppb
017622 DR	6	19	26	614	.1	66	14	738	3.77	1266	5	ND	13	71	2.8	140	2	18	.22	.084	47	9	.08	599	.01	5	.62	.01	.15	1	210	1400
017623 DR	4	29	25	731	.3	107	22	769	4.36	266	5	ND	13	71	1.2	107	2	32	.21	.097	46	14	.11	917	.01	4	.88	.02	.20	1	29	640
017624 DR	5	15	30	973	.6	86	27	1770	5.08	257	5	ND	14	55	1.1	320	2	18	.16	.106	48	4	.04	465	.01	4	.56	.01	.13	1	10	1700
017625 DR	6	18	24	882	.3	97	19	1546	4.38	782	5	ND	15	64	1.9	287	2	28	.44	.127	55	9	.04	556	.01	4	.55	.01	.13	1	87	3300
017626 DR	7	15	40	891	.1	82	17	1186	3.82	488	5	ND	16	115	2.1	232	2	47	.27	.109	44	17	.02	1089	.01	5	.55	.01	.08	1	28	4300
017627 DR	7	12	51	755	.1	60	14	1128	3.83	598	5	ND	16	141	1.4	202	2	41	.27	.074	36	16	.03	1140	.01	6	.54	.01	.07	1	59	3400
017628 DR	8	13	40	627	.1	62	15	1282	4.00	676	5	ND	19	112	.4	278	2	49	.41	.111	52	19	.15	812	.01	3	.80	.01	.14	1	58	3200
017629 DR	3	14	24	592	.1	87	18	827	3.72	230	5	ND	18	60	.2	149	7	82	.52	.111	49	41	.92	918	.10	7	1.67	.03	.36	1	18	240
017630 DR	4	16	28	587	.1	78	17	890	4.21	342	5	ND	17	76	.3	207	2	80	.54	.121	50	40	.84	2499	.08	3	2.04	.01	.36	1	8	230
017631 DR	3	15	33	400	.1	50	14	1054	3.96	120	5	ND	17	69	.2	122	3	69	.60	.116	56	33	.65	2224	.06	3	1.80	.01	.33	1	5	450
017632 DR	1	15	44	351	.1	42	11	752	3.58	56	5	ND	18	78	.2	142	2	79	1.12	.114	51	37	.75	1179	.10	3	1.73	.02	.40	1	6	470
017633 DR	3	33	793	1335	8.7	26	12	3144	5.23	828	5	ND	15	127	7.6	859	2	58	.45	.055	38	20	.14	597	.01	2	.57	.01	.08	1	250	3800
017634 DR	2	17	139	668	1.7	26	11	1804	3.82	1861	5	2	13	122	1.4	679	2	48	.36	.035	34	18	.13	624	.01	5	.50	.01	.06	2	810	4400
017635 DR	2	14	64	507	1.7	33	12	2793	3.74	3555	5	3	11	205	1.1	823	2	32	1.26	.025	28	14	.45	155	.01	6	.39	.01	.09	1	2030	5200
017636 DR	3	21	141	830	1.6	41	13	2208	4.56	3457	5	2	11	139	1.6	1080	2	50	1.13	.030	23	22	.44	498	.01	4	.54	.01	.09	2	1070	6000
017637 DR	3	20	67	935	1.9	36	10	1054	4.00	4457	5	6	9	137	1.2	3350	2	42	.85	.029	23	19	.31	468	.01	2	.46	.01	.06	1	5490	6300
017638 DR	3	21	81	972	1.7	38	11	1316	4.10	2962	5	4	10	273	1.7	3141	2	38	2.36	.036	23	21	.79	157	.01	7	.47	.01	.08	1	2680	13000
017639 DR	1	14	75	207	1.4	23	9	1472	3.30	1877	5	2	9	257	.2	680	2	36	3.21	.026	15	17	1.03	189	.01	7	.39	.01	.08	2	970	11000
017640 DR	2	13	34	201	1.3	26	9	986	3.33	4061	5	3	8	176	.2	706	2	29	2.18	.022	13	15	.78	73	.01	6	.42	.01	.09	2	2540	11000
017641 DR	4	29	27	389	.8	60	13	549	3.47	1307	5	ND	6	184	2.1	434	2	36	1.24	.033	19	13	.72	40	.01	8	.46	.01	.17	1	920	4200
017642 DR	5	41	21	429	.4	66	15	354	3.53	278	5	ND	6	216	3.1	110	2	49	1.14	.069	24	17	.78	37	.01	9	.55	.01	.20	1	91	2100
017643 DR	3	32	26	240	.5	43	14	581	3.78	1270	5	ND	11	384	1.2	185	2	27	2.22	.051	27	17	1.13	71	.01	8	.51	.01	.18	2	790	2700
017644 DR	4	30	41	464	.8	50	15	818	3.83	1237	5	ND	8	174	1.9	971	2	35	1.19	.040	26	18	.78	65	.01	10	.60	.01	.20	1	840	5600
017645 DR	6	39	33	460	.5	78	16	488	3.25	428	5	ND	6	161	3.4	228	4	41	1.05	.047	22	15	.70	31	.01	9	.63	.01	.23	1	230	1400
017646 DR	6	10	29	818	.1	88	16	1092	4.36	298	5	ND	13	104	1.4	399	2	18	.27	.105	46	5	.05	1079	.01	5	.57	.01	.14	1	25	4500
017647 DR	7	14	27	857	.2	96	19	1991	4.48	265	5	ND	15	38	1.0	175	3	25	.37	.116	48	6	.08	470	.01	2	.72	.01	.13	1	18	1500
017648 DR	6	12	21	710	.1	59	17	1499	3.69	321	5	ND	16	32	.3	133	2	31	.28	.099	56	8	.05	329	.01	2	.60	.01	.10	1	15	830
017649 DR	4	15	21	388	.1	41	18	700	3.86	179	5	ND	17	53	.2	99	2	55	.37	.116	59	20	.15	506	.01	3	.84	.01	.10	1	10	520
017650 DR	5	14	27	356	.1	43	14	674	3.54	130	5	ND	17	54	.2	107	2	63	.46	.125	48	31	.61	1567	.07	2	1.58	.01	.32	1	10	270
017651 DR	5	15	31	400	.1	51	13	691	3.80	163	5	ND	17	45	.2	96	2	60	.41	.123	49	30	.54	770	.05	2	1.36	.01	.25	1	11	180
017652 DR	5	15	31	397	.1	61	16	582	3.48	153	5	ND	17	45	.2	102	2	71	.40	.124	53	31	.47	690	.07	3	1.17	.02	.29	1	4	50
017653 DR	3	14	26	329	.1	52	14	779	3.85	73	5	ND	17	58	.4	60	2	91	.49	.115	55	45	1.04	2311	.12	4	1.71	.04	.42	1	8	60
017654 DR	1	13	25	261	.1	37	11	545	3.34	19	5	ND	16	63	.2	24	2	79	.56	.104	50	40	.93	2293	.12	4	1.64	.04	.45	1	3	40
017655 DR	2	11	26	243	.1	33	11	591	3.42	25	5	ND	15	61	.2	49	2	84	.67	.106	40	41	1.09	2536	.15	4	1.77	.04	.50	1	7	50
017656 DR	1	12	26	176	.1	25	9	672	3.44	12	5	ND	15	90	.2	24	2	83	1.74	.102	45	41	1.18	610	.12	3	1.42	.04	.42	1	3	40
017657 DR	1	12	20	166	.1	21	9	566	3.13	10	6	ND	14	81	.2	24	2	78	1.59	.099	39	40	1.07	477	.10	3	1.34	.04	.34	1	3	40
STANDARD C/AU-R	18	58	37	133	6.9	69	32	1050	3.96	43	16	7	38	53	18.4	15	19	56	.50	.096	38	59	.87	181	.07	34	1.85	.06	.14	13	520	1600

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: Cutting AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: AUG 1 1990 DATE REPORT MAILED: Aug 9/90. SIGNED BY. C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

90-83 FAX

BCRC 90-84

SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	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	Hg ppb
017658 DR	3	11	74	688	.3	83	14	484	3.49	44	5	ND	15	97	1.1	181	2	55	1.06	.110	38	27	.86	523	.03	2	1.32	.02	.20	1	25	140
017659 DR	3	9	150	491	.6	29	10	835	3.43	36	5	ND	13	387	1.8	132	3	17	3.27	.101	26	8	1.22	191	.01	5	.71	.01	.17	1	8	280
017660 DR	2	12	40	460	.1	62	13	569	3.55	40	5	ND	14	85	1.1	111	2	84	1.00	.109	36	35	1.30	1259	.19	2	2.16	.04	.56	1	12	80
017661 DR	2	16	49	203	.1	23	10	569	3.35	22	5	ND	13	71	1.3	82	2	89	1.57	.112	38	39	1.38	998	.17	2	2.06	.04	.46	1	6	50
017662 DR	3	15	35	273	.1	33	10	716	3.39	203	5	ND	14	161	.8	119	2	69	1.99	.108	41	32	1.21	457	.11	2	1.87	.03	.41	1	122	250
017663 DR	2	14	17	469	.1	54	12	926	3.16	262	5	ND	14	228	.6	130	2	53	2.30	.114	39	24	1.12	371	.05	5	1.38	.01	.27	1	148	430
017664 DR	2	9	24	232	1.1	21	8	1289	3.39	4888	5	6	8	256	.5	166	2	30	2.90	.052	16	9	1.18	81	.01	6	.59	.01	.11	1	7390	2800
017665 DR	6	28	27	364	.9	55	11	699	3.86	1780	5	ND	5	239	1.4	80	2	50	1.79	.051	15	12	.88	67	.01	9	.67	.01	.18	1	2210	2100
017666 DR	6	33	19	385	.5	55	14	474	3.73	505	5	ND	6	218	2.1	62	2	42	1.37	.046	20	12	.89	86	.01	9	.61	.01	.20	1	630	890
017667 DR	4	34	17	314	.3	51	16	452	3.64	242	5	ND	7	186	1.9	29	2	36	1.35	.050	26	15	.88	142	.01	10	.68	.01	.24	1	182	600
017668 DR	4	35	21	350	.2	67	17	439	3.61	199	5	ND	6	162	2.2	24	2	31	1.25	.040	23	12	.86	94	.01	10	.67	.01	.24	1	99	750
017669 DR	4	37	28	445	.4	78	18	454	3.48	175	5	ND	7	131	2.3	23	2	37	1.29	.040	25	19	.83	97	.01	10	.70	.01	.24	1	63	510
017670 DR	2	5	38	80	.1	8	6	518	2.60	1000	5	ND	11	149	.2	16	2	21	1.69	.075	25	9	.20	371	.01	10	.51	.01	.15	13	310	320
017671 DR	2	4	36	78	.1	5	5	498	2.47	514	5	ND	12	161	.2	16	2	22	2.10	.073	28	7	.16	237	.01	8	.51	.01	.16	2	101	300
017672 DR	2	4	30	80	.1	5	5	476	2.57	624	5	ND	12	128	.2	15	4	22	2.13	.077	29	6	.14	319	.01	8	.63	.01	.17	1	47	240
017673 DR	2	2	31	76	.1	3	5	456	2.46	553	5	ND	12	58	.2	10	2	21	2.15	.079	33	6	.09	236	.01	8	.56	.01	.16	1	220	140
017674 DR	2	3	34	79	.1	5	5	414	2.57	645	5	ND	12	90	.2	16	2	23	2.04	.079	31	6	.13	244	.01	9	.60	.01	.16	1	220	130
017675 DR	2	4	38	102	.2	7	6	585	2.68	990	5	ND	12	60	.2	28	2	21	.73	.071	29	7	.06	387	.01	7	.52	.01	.15	1	350	960
017676 DR	2	9	40	90	.2	6	6	479	2.13	1221	5	2	10	84	.2	32	4	18	.24	.034	20	6	.05	1041	.01	9	.44	.01	.11	1	2310	750
017677 DR	2	9	38	85	.1	6	6	578	2.78	2104	5	ND	12	121	.2	22	2	21	1.25	.071	24	7	.17	509	.01	11	.49	.01	.14	1	520	820
017678 DR	2	10	31	93	.1	6	6	635	2.63	924	5	ND	10	342	.2	13	2	22	2.20	.078	26	8	.50	411	.01	12	.49	.01	.18	1	280	560
017679 DR	2	7	29	87	.1	4	5	476	2.63	901	5	ND	10	251	.2	11	2	22	2.18	.078	25	8	.49	225	.01	15	.45	.01	.17	1	165	820
017680 DR	3	11	45	99	.1	6	6	398	2.47	87	5	ND	11	104	.2	8	2	24	1.05	.063	25	7	.18	438	.01	14	.47	.01	.13	1	23	540
017681 DR	3	10	53	91	.1	6	6	192	2.11	36	6	ND	11	56	.2	8	2	23	.18	.043	17	6	.05	469	.01	14	.47	.01	.14	1	8	460
017682 DR	3	8	43	150	.1	10	7	436	2.52	34	5	ND	10	93	.4	6	2	24	.86	.050	21	7	.16	502	.01	13	.54	.01	.15	1	4	450
017683 DR	3	10	39	117	.1	7	6	430	2.61	108	5	ND	10	151	.2	7	2	21	1.52	.068	21	7	.33	353	.01	14	.49	.01	.15	1	23	640
017684 DR	2	10	46	99	.1	4	5	508	2.50	39	5	ND	8	314	.2	3	2	18	2.58	.072	14	6	.55	224	.01	15	.47	.01	.16	1	8	840
017685 DR	2	6	37	90	.1	4	5	470	2.53	40	5	ND	8	335	.3	4	2	17	2.61	.073	14	6	.52	191	.01	13	.45	.01	.15	1	8	750
017686 DR	2	6	43	83	.1	5	5	527	2.46	36	5	ND	8	326	.5	3	5	17	2.87	.072	16	6	.65	244	.01	12	.46	.01	.15	1	5	800
017687 DR	2	8	33	76	.1	3	5	528	2.44	24	5	ND	9	524	.2	3	2	18	3.24	.071	16	7	.81	241	.01	11	.44	.01	.17	1	5	520
017688 DR	2	5	46	67	.1	5	5	539	2.31	37	5	ND	7	367	.2	3	2	16	3.02	.064	13	6	.77	163	.01	7	.39	.01	.15	1	10	460
017689 DR	2	5	35	75	.1	6	5	506	2.22	69	5	ND	7	335	.2	4	2	16	2.87	.064	13	6	.71	192	.01	11	.39	.01	.15	1	17	620
017690 DR	3	5	38	106	.1	7	4	481	2.26	11	5	ND	9	356	.2	3	2	21	2.72	.064	18	7	.72	141	.01	12	.43	.01	.15	1	4	660
017691 DR	2	4	26	78	.1	4	4	479	2.17	11	5	ND	9	459	.2	2	2	20	2.65	.062	22	6	.70	165	.01	10	.48	.01	.15	1	5	370
017692 DR	2	5	33	72	.1	3	5	535	2.34	29	5	ND	11	441	.2	4	2	20	2.62	.072	28	6	.74	390	.01	9	.53	.01	.16	1	9	300
017693 DR	3	6	54	83	.1	6	6	533	2.40	51	5	ND	12	438	.2	4	4	22	2.73	.074	28	8	.74	272	.01	10	.52	.02	.18	1	14	290
STANDARD C/AU-R	19	59	40	131	7.1	68	31	1051	3.95	44	20	7	37	52	18.5	15	22	56	.51	.096	37	55	.89	181	.07	36	1.91	.06	.14	12	510	1400

BCRC 90-S5

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	ng ppb
017694 DR	2	8	43	134	.1	9	7	564	2.99	194	5	ND	13	83	.5	7	3	30	1.64	.064	30	8	.16	807	.01	8	.62	.01	.13	1	44	1200
017695 DR	2	9	51	101	.1	8	8	624	2.95	239	5	ND	12	69	.2	19	2	29	1.61	.058	28	8	.15	557	.01	7	.59	.01	.13	1	23	1400
017696 DR	2	11	72	132	.1	8	7	879	2.97	167	5	ND	11	85	.3	13	3	27	1.64	.043	28	8	.13	712	.01	6	.60	.01	.13	1	27	2100
017697 DR	2	28	51	125	.1	20	13	973	3.65	363	5	ND	10	181	.3	14	2	60	4.01	.055	27	45	1.06	1120	.01	6	.68	.01	.09	1	58	2200
017698 DR	2	28	60	133	.6	18	11	968	4.24	4450	5	ND	16	252	.4	32	2	31	2.41	.047	40	24	.58	189	.01	5	.55	.01	.11	1	1650	2800
017699 DR	2	16	86	121	1.3	11	6	920	3.16	4015	5	2	9	191	.4	46	2	19	2.52	.032	21	10	.72	228	.01	9	.41	.01	.12	1	2570	2300
017700 DR	2	11	55	87	.8	8	5	752	2.72	4108	5	3	6	152	.2	41	2	14	2.20	.030	17	6	.79	218	.01	5	.42	.01	.10	1	3110	1800
017701 DR	2	8	41	108	.6	8	6	984	2.86	4367	5	3	11	129	.2	78	2	15	1.49	.047	25	5	.40	475	.01	7	.50	.01	.13	1	2690	1600
017702 DR	2	17	84	150	1.1	7	6	782	2.82	4167	5	3	11	139	.3	126	2	15	1.54	.051	28	4	.37	312	.01	8	.48	.01	.13	1	3170	1800
017703 DR	2	7	39	83	.2	7	5	600	2.57	5254	5	ND	10	247	.3	53	2	12	2.41	.052	23	4	.85	170	.01	9	.49	.01	.14	1	1980	1600
017704 DR	2	11	39	46	.3	6	5	564	2.62	3898	5	ND	10	312	.2	42	2	11	2.40	.065	24	4	.82	105	.01	9	.53	.01	.15	1	1080	1400
017705 DR	2	22	39	60	.3	6	6	560	2.70	1188	5	ND	11	369	.7	38	2	12	2.82	.069	23	5	.88	110	.01	11	.59	.01	.19	1	300	1500
017706 DR	2	12	33	86	.1	6	6	589	2.64	2237	5	ND	9	427	.2	27	2	10	3.11	.061	23	3	.97	198	.01	9	.53	.01	.18	1	380	1200
017707 DR	2	17	30	56	.1	6	6	470	2.52	1145	5	ND	9	425	.2	26	2	10	2.93	.059	23	4	.97	133	.01	8	.47	.01	.17	1	139	1400
017708 DR	2	11	25	48	.1	6	6	624	2.59	205	5	ND	9	339	.2	32	2	15	3.00	.060	25	5	1.06	698	.01	8	.48	.01	.14	1	27	1900
017709 DR	2	15	24	53	.1	8	6	577	2.59	902	5	ND	9	255	.2	33	2	12	2.69	.061	23	4	.85	285	.01	12	.56	.01	.17	1	166	1600
017710 DR	9	54	17	298	.6	50	7	423	2.58	1303	5	ND	5	371	4.2	31	2	92	2.69	.173	15	14	.91	73	.01	11	.57	.01	.15	1	680	2500
017711 DR	14	129	56	846	2.1	67	3	238	1.78	295	5	ND	2	333	15.0	48	2	264	2.64	.544	12	39	.56	75	.01	19	.57	.01	.18	3	310	4300
017712 DR	15	88	16	872	1.3	59	3	332	1.62	233	5	ND	2	373	13.5	30	2	254	2.94	.363	12	35	.89	158	.01	11	.45	.01	.14	2	510	3100
017713 DR	4	25	18	268	.4	19	8	659	3.05	2771	5	ND	9	424	3.1	18	5	83	3.09	.116	24	14	1.23	140	.01	7	.55	.01	.13	1	890	2200
017714 DR	3	12	20	120	.1	12	8	649	3.23	782	5	ND	12	415	.8	15	2	33	2.86	.104	28	10	1.25	327	.01	6	.48	.01	.15	1	230	2300
017715 DR	2	11	25	99	.1	10	8	672	3.31	1572	5	ND	10	390	.4	52	2	31	2.92	.080	25	10	1.25	296	.01	7	.52	.01	.16	1	890	2000
017716 DR	2	12	21	101	.1	11	9	659	3.34	506	5	ND	13	365	.7	17	2	34	2.66	.090	31	10	1.28	418	.01	7	.54	.01	.14	1	280	2100
017717 DR	2	12	22	99	.1	9	8	670	3.49	1163	5	ND	14	397	.3	21	4	34	2.79	.100	35	10	1.37	196	.01	7	.59	.01	.14	1	420	1400
017718 DR	3	22	33	199	.4	29	12	682	4.70	4654	5	2	14	103	1.0	33	3	36	.17	.050	46	17	.02	905	.01	6	.51	.01	.10	1	1940	2900
017719 DR	2	33	32	167	.4	21	17	1290	4.73	7903	5	2	12	155	.3	43	3	31	.58	.036	35	10	.15	661	.01	3	.50	.01	.10	1	1740	2100
017720 DR	2	7	23	103	.5	17	8	549	3.55	5569	5	2	8	182	.6	35	2	25	1.00	.033	25	10	.36	503	.01	4	.43	.01	.07	1	2380	1800
017721 DR	2	6	24	53	.3	13	2	82	2.02	1789	5	2	8	120	.6	19	2	15	.14	.035	24	7	.04	807	.01	7	.39	.01	.09	1	1970	2000
017722 DR	4	11	27	187	.6	16	3	103	2.79	1905	5	ND	11	92	1.6	27	2	28	.12	.036	33	11	.03	830	.01	4	.41	.01	.10	1	2370	2600
017723 DR	2	25	42	268	.5	16	8	431	3.44	4147	6	2	9	108	1.7	40	4	30	.17	.036	27	13	.02	764	.01	4	.41	.01	.05	1	2650	2400
017724 DR	2	32	23	157	.2	38	8	375	2.69	3849	6	2	8	122	.3	30	2	23	.39	.030	22	11	.12	515	.01	2	.57	.01	.05	1	1940	2000
017725 DR	2	34	33	179	.1	30	11	463	3.01	2747	5	ND	13	181	.6	30	2	30	.75	.044	32	13	.25	675	.01	2	.68	.01	.11	1	790	1700
017726 DR	2	15	25	170	.1	26	10	728	3.83	4375	5	ND	10	276	.3	44	2	27	1.51	.032	26	10	.58	377	.01	2	.53	.01	.08	1	1220	1400
017727 DR	2	9	21	126	.1	12	9	871	3.64	4474	5	ND	10	384	.3	24	2	25	3.23	.025	19	8	1.30	132	.01	5	.43	.01	.09	1	850	1200
017728 DR	2	7	23	96	.1	9	8	815	3.42	5603	5	ND	9	440	.2	23	2	25	3.68	.021	17	8	1.49	162	.01	4	.41	.01	.10	1	1110	1100
017729 DR	2	11	26	90	.2	10	7	723	3.34	4434	5	ND	9	318	.5	29	2	24	2.97	.021	17	8	1.17	200	.01	9	.41	.01	.09	1	1460	1300
STANDARD C/AU-R	18	58	36	131	6.8	68	31	1049	3.95	40	25	7	38	53	18.4	15	19	55	.51	.094	37	56	.90	180	.07	36	1.91	.06	.14	11	530	1400

BCRC 90-826

BCRC 90-827

SANPLE#	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	... ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	A ppb	Hg ppb
017730 DR	1	11	20	74	.2	9	6	657	3.09	4632	5	ND	7	416	.8	21	2	17	2.99	.017	16	13	1.13	123	.01	3	.29	.01	.08	1	1630	1200
017731 DR	2	12	19	98	.1	10	6	633	2.88	2397	5	ND	9	332	.9	16	3	21	2.52	.016	18	13	.96	321	.01	5	.31	.01	.09	1	790	1300
017732 DR	1	9	15	85	.1	9	8	647	3.13	3758	5	ND	7	538	.7	15	2	20	3.25	.016	12	13	1.20	114	.01	4	.30	.01	.11	1	1410	1500
017733 DR	10	40	18	181	.6	24	8	619	3.37	1703	5	ND	7	436	4.2	23	2	118	3.34	.018	16	18	1.32	193	.01	6	.34	.01	.12	1	510	4600
017734 DR	7	37	18	262	.5	37	9	440	2.70	530	5	ND	3	267	1.8	20	5	14	7.24	.012	11	13	3.39	294	.01	5	.25	.01	.14	1	58	3100
017735 DR	3	51	11	632	1.0	28	7	698	2.59	238	5	ND	2	223	3.6	18	5	20	8.29	.096	10	16	3.55	205	.01	7	.36	.01	.17	1	50	3400
017736 DR	3	78	12	175	1.3	47	10	529	3.17	369	5	ND	2	98	.9	23	4	21	2.72	.023	8	17	1.17	82	.01	5	.30	.01	.18	1	104	2800
017737 DR	4	35	18	57	.9	42	9	619	3.07	187	5	ND	1	112	.6	19	2	17	4.55	.018	4	17	1.80	53	.01	6	.26	.01	.15	1	106	1500
017738 DR	7	50	26	21	1.0	58	30	443	9.05	90	5	ND	1	41	.2	19	2	25	1.31	.027	2	17	.48	13	.01	3	.30	.01	.12	1	22	1200
017739 DR	1	68	5	48	.4	46	32	892	6.15	56	5	ND	1	58	.3	16	2	61	2.33	.020	2	25	1.11	47	.01	4	.35	.01	.13	2	8	2500
017740 DR	1	77	35	93	.9	45	31	1247	6.58	120	5	ND	1	60	.3	30	2	93	3.37	.023	2	31	1.44	91	.01	3	.39	.01	.10	2	14	6300
017741 DR	1	67	10	78	.5	35	29	1362	7.37	83	5	ND	1	66	.7	18	2	75	4.40	.020	2	32	1.69	71	.01	6	.39	.01	.13	2	27	5200
017742 DR	1	15	19	197	.1	23	15	1046	4.01	2558	5	ND	15	112	.8	14	2	28	.92	.065	37	11	.08	985	.01	4	.43	.01	.10	1	610	2000
017743 DR	1	12	21	119	.1	16	11	904	3.68	2155	5	ND	14	166	.4	12	2	22	2.04	.073	36	11	.22	566	.01	3	.46	.01	.10	1	650	2100
017744 DR	1	12	26	110	.1	12	8	644	2.80	1111	5	ND	13	147	.5	12	2	21	1.71	.033	30	12	.35	503	.01	4	.40	.01	.09	1	280	1600
017745 DR	1	13	26	130	.1	12	9	580	3.19	2087	5	ND	12	184	.6	16	2	23	1.47	.023	30	11	.43	466	.01	3	.38	.01	.09	1	660	860
017746 DR	1	10	47	120	.1	9	7	729	3.21	1851	5	ND	13	436	.5	12	2	19	2.70	.083	31	14	.88	281	.01	7	.38	.01	.13	1	470	2600
017747 DR	1	11	26	107	.1	11	7	687	3.15	2536	5	ND	13	392	.7	13	3	19	2.55	.069	31	13	.93	230	.01	4	.39	.01	.11	1	690	2000
017748 DR	1	12	38	123	.2	10	7	715	3.05	3468	5	ND	10	448	.7	18	2	18	3.02	.032	20	13	1.13	132	.01	4	.32	.01	.08	1	1080	1600
017749 DR	1	12	45	136	.1	11	8	752	3.19	3546	5	ND	11	490	.9	19	2	17	2.96	.072	24	14	1.04	87	.01	5	.38	.01	.10	1	610	2300
017750 DR	1	10	25	113	.1	9	8	798	3.11	3248	5	ND	10	576	.6	15	2	17	3.27	.084	22	13	1.08	80	.01	7	.38	.01	.12	1	590	2100
017751 DR	1	13	48	142	.1	9	6	723	3.16	1385	5	ND	11	561	.7	20	2	20	2.80	.069	26	15	1.03	252	.01	8	.36	.01	.12	1	350	1400
017752 DR	1	11	22	102	.1	9	6	690	3.12	1908	5	ND	11	558	.4	17	2	19	2.99	.083	27	14	1.05	269	.01	8	.35	.01	.12	1	310	1600
017753 DR	6	51	18	304	1.3	44	8	346	2.56	968	5	ND	7	359	3.5	19	2	48	1.94	.056	21	16	.94	125	.01	6	.37	.01	.13	1	490	4000
017754 DR	7	38	36	203	2.5	40	5	88	2.29	504	5	ND	7	260	.7	34	2	45	.23	.062	31	13	.10	984	.01	11	.41	.01	.18	1	220	4500
017755 DR	13	116	27	496	2.0	101	7	298	3.83	1009	9	ND	6	696	4.0	74	2	134	5.64	1.051	32	60	1.36	234	.01	18	.97	.01	.29	1	360	6300
017756 DR	2	25	90	206	.7	13	5	576	2.89	2505	5	ND	8	333	1.7	30	3	27	2.70	.122	18	15	.90	69	.01	10	.46	.01	.14	1	650	2400
017757 DR	2	17	32	173	.2	15	6	629	2.91	269	5	ND	10	246	.6	15	2	31	2.09	.111	23	17	.75	1017	.01	12	.45	.01	.16	1	57	1500
017758 DR	2	24	45	153	.2	16	6	681	2.52	214	5	ND	6	239	.6	13	2	23	2.72	.038	14	18	.94	648	.01	10	.37	.01	.14	1	45	1600
017759 DR	1	80	23	111	.7	72	30	675	6.37	1405	5	ND	1	108	.3	27	2	29	2.30	.040	3	29	.84	27	.01	8	.44	.01	.17	1	290	1600
017760 DR	1	91	64	123	1.0	78	30	539	8.53	130	5	ND	1	52	.2	40	2	29	1.80	.021	2	37	.64	15	.01	7	.30	.01	.14	1	17	1400
017761 DR	1	73	44	68	1.0	83	35	443	8.75	79	5	ND	1	39	.2	30	2	24	1.22	.017	2	36	.45	16	.01	6	.33	.01	.13	2	8	1600
017762 DR	1	66	11	94	.4	59	36	557	7.08	58	5	ND	1	57	.2	17	2	36	2.14	.026	2	23	.95	12	.01	5	.33	.01	.13	2	12	1100
017763 DR	1	68	6	109	.1	49	33	1031	7.77	100	5	ND	1	90	.2	16	3	73	5.29	.036	4	32	1.81	27	.01	5	.44	.01	.14	3	12	2000
017764 DR	1	67	6	129	.1	55	36	1293	8.30	86	5	ND	1	91	.2	14	2	90	6.26	.037	3	32	1.97	30	.01	4	.47	.01	.12	3	10	3100
017765 DR	1	67	14	108	.1	55	34	1508	8.32	110	5	ND	1	81	.2	11	2	134	5.29	.037	4	41	2.00	124	.01	3	.55	.01	.08	3	9	5000
STANDARD C/AU-R	18	58	41	134	6.8	72	31	1049	3.99	39	23	7	37	52	18.3	15	19	56	.50	.100	38	60	.87	180	.07	33	1.87	.06	.14	14	510	1300

Re PC 90-88

GEOCHEMICAL LYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9008-047-330 File # 90-3339 Page 1

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5 Submitted by: G. MACKAY

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	Hg ppb
017766DR	2	19	40	112	.1	15	11	608	3.19	4191	5	ND	13	81	.3	24	3	23	.43	.035	39	9	.05	777	.01	2	.43	.01	.10	1	1190	1800
017767DR	2	15	33	113	.1	14	10	650	2.99	3012	5	ND	13	209	.2	22	2	24	2.42	.051	36	8	.35	755	.01	2	.49	.01	.10	1	600	2500
017768DR	3	17	33	207	.1	28	14	693	3.50	2095	5	ND	15	159	.3	14	2	35	1.89	.089	44	12	.11	1087	.01	2	.70	.01	.09	1	240	3100
017769DR	2	22	29	151	.1	20	13	741	3.56	3284	5	ND	14	214	.9	20	2	29	2.06	.072	42	10	.34	894	.01	4	.64	.01	.10	1	880	2100
017770DR	2	16	40	100	.1	11	10	683	3.43	6065	5	2	12	396	.7	27	2	23	2.14	.068	33	8	.66	679	.01	2	.53	.01	.12	1	1750	1800
017771DR	2	12	39	108	.1	14	9	591	2.98	3852	5	ND	14	289	.5	23	2	24	1.97	.098	39	8	.51	553	.01	2	.56	.01	.11	1	930	1600
017772DR	2	21	25	119	.4	17	8	545	3.20	5842	5	3	10	269	1.0	31	2	26	1.66	.073	31	11	.60	525	.01	2	.58	.01	.07	1	2930	2200
017773DR	4	51	49	172	.7	30	10	394	3.36	4723	5	2	9	180	1.4	28	2	27	.92	.040	26	8	.31	573	.01	2	.55	.01	.10	1	3560	2500
017774DR	2	21	46	120	.2	18	8	573	2.89	4204	5	3	10	158	1.3	19	2	17	1.48	.050	26	7	.44	615	.01	4	.58	.01	.15	1	2200	1600
017775DR	2	15	38	112	.1	14	8	520	2.98	4025	5	2	9	128	.5	20	2	19	1.83	.050	21	6	.52	599	.01	2	.51	.01	.14	1	1520	1900
017776DR	2	13	32	112	.1	14	7	482	2.47	2123	5	ND	8	107	.4	19	2	20	1.72	.034	21	7	.49	642	.01	6	.48	.01	.13	1	830	1700
017777DR	2	9	37	143	.3	10	6	522	2.64	3784	5	ND	7	130	.2	22	2	19	2.14	.035	17	7	.69	548	.01	2	.39	.01	.13	1	970	1900
017778DR	2	11	36	218	.1	31	7	498	2.38	1540	5	ND	7	107	2.5	32	2	23	2.13	.045	18	6	.70	643	.01	3	.46	.01	.13	1	149	2000
017779DR	4	24	41	165	.2	27	5	154	1.35	809	5	ND	9	181	2.0	38	2	37	.61	.059	20	9	.19	1149	.01	4	.53	.01	.14	1	139	3200
017780DR	11	50	53	36	1.1	22	2	34	1.35	167	5	ND	6	131	.2	25	2	245	.12	.066	22	24	.07	1544	.01	8	.53	.01	.19	1	18	10000
017781DR	10	25	57	119	.5	18	4	32	1.69	142	5	ND	4	67	.3	29	2	134	.09	.037	22	15	.07	1034	.01	9	.51	.01	.20	1	30	5200
017782DR	5	89	6	193	.8	87	52	330	11.92	553	5	ND	1	63	.3	31	2	43	.91	.090	2	17	.41	18	.01	2	.74	.01	.19	3	230	2600
017783DR	3	83	11	158	.5	73	49	390	10.98	398	5	ND	1	76	.4	42	2	41	1.35	.114	2	14	.63	22	.01	2	.75	.01	.20	2	65	2500
017784DR	9	78	7	138	.6	60	43	340	13.76	201	5	ND	1	55	.3	40	2	36	1.12	.079	2	14	.49	19	.01	2	.63	.01	.18	2	24	2900
017785DR	16	61	27	114	.3	44	33	228	15.84	200	5	ND	1	32	.2	19	2	25	.73	.047	2	9	.30	17	.01	2	.43	.01	.14	2	23	5400
017786DR	11	66	15	89	1.3	48	36	324	12.45	430	5	ND	1	43	.2	50	2	29	1.04	.053	2	11	.45	19	.01	2	.53	.01	.17	2	168	3300
017787DR	7	76	13	135	.4	58	42	516	11.26	296	5	ND	1	62	.2	46	2	37	1.55	.077	2	13	.67	19	.01	2	.65	.01	.19	3	91	3000
017788DR	3	96	10	140	.1	73	50	563	10.11	49	5	ND	1	65	.8	31	2	42	1.42	.087	3	18	.58	19	.01	5	.75	.01	.21	3	8	1500
017789DR	6	86	10	125	.1	66	49	534	13.27	74	5	ND	1	39	.6	33	2	39	1.09	.072	2	15	.44	16	.01	2	.67	.01	.18	2	6	1800
017790DR	3	44	34	188	.3	38	14	583	3.71	4197	5	2	12	134	2.5	40	2	29	.19	.052	39	14	.04	988	.01	2	.56	.01	.07	1	2240	3200
017791DR	2	20	27	120	.3	19	13	847	3.94	6152	5	2	12	178	1.6	35	2	25	.96	.045	34	10	.33	368	.01	3	.48	.01	.09	1	2130	2400
017792DR	3	26	22	121	.3	19	9	583	3.12	6368	5	2	9	204	1.5	35	2	21	1.30	.029	27	10	.47	259	.01	2	.46	.01	.09	1	2560	2100
017793DR	3	67	20	183	.1	39	10	246	3.97	3164	5	ND	11	226	5.6	26	3	24	.17	.047	34	7	.04	1099	.01	2	.59	.01	.13	1	1540	1800
017794DR	3	27	31	135	.1	26	12	509	3.91	4715	5	ND	13	174	1.6	23	2	25	.39	.040	37	11	.12	780	.01	4	.51	.01	.12	1	1380	2000
017795DR	3	22	32	147	.2	28	14	531	4.02	4569	5	2	14	137	.9	29	2	25	.50	.049	42	7	.15	672	.01	2	.52	.01	.11	1	1700	1900
017796DR	4	28	32	140	.1	23	12	661	4.14	4331	9	ND	12	225	1.1	29	5	23	1.08	.070	36	8	.37	545	.01	2	.49	.01	.11	1	900	2100
017797DR	3	42	32	137	.1	30	12	360	3.88	3624	5	ND	13	143	2.2	25	2	23	.41	.057	39	7	.11	704	.01	4	.55	.01	.10	1	1340	2200
017798DR	3	24	27	169	.3	37	15	486	4.31	3833	5	ND	10	196	2.0	28	2	22	1.17	.047	31	9	.48	574	.01	2	.53	.01	.10	1	1300	2600
017799DR	2	16	32	148	.2	27	10	494	3.17	2464	6	ND	9	225	1.6	26	2	15	1.35	.064	29	6	.49	450	.01	5	.56	.01	.17	1	1320	1900
017800DR	4	24	54	209	.5	45	14	272	3.67	2268	5	ND	11	147	3.4	32	3	15	.45	.065	28	6	.16	663	.01	3	.67	.01	.17	1	1520	2000
017801DR	2	21	56	133	.1	25	9	426	2.88	1989	5	ND	9	136	3.0	23	2	16	1.33	.067	24	7	.48	308	.01	6	.59	.01	.14	1	990	1700
STANDARD C/AU-R	20	59	45	133	7.2	68	32	1051	3.97	42	22	7	37	50	19.0	15	19	57	.51	.098	39	61	.89	182	.08	32	1.89	.06	.13	14	530	1400

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: P1 Cutting P2 Core AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: AUG 7 1990 **DATE REPORT MAILED:** Aug 15/90 **SIGNED BY** ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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	Hg ppb
017802DR	3	18	36	199	.2	47	12	484	3.47	1760	5	ND	6	164	3.9	29	4	18	2.10	.041	17	19	.97	227	.01	5	.58	.01	.11	1	960	1500
017803DR	1	24	35	109	.1	30	9	440	2.33	311	7	ND	5	255	1.4	21	2	9	5.20	.022	17	11	2.81	486	.01	6	.41	.01	.14	1	84	820
017804DR	2	41	17	147	.5	44	10	375	2.50	226	9	ND	4	152	1.7	18	3	12	3.36	.024	14	19	1.71	500	.01	6	.46	.01	.16	1	30	940
017805DR	3	14	14	70	.2	30	5	146	1.09	137	5	ND	1	57	.8	8	2	21	1.33	.013	3	19	.69	607	.01	6	.22	.01	.05	1	16	560
017806DR	6	15	29	61	.1	24	4	165	1.22	211	5	ND	1	95	1.1	10	2	21	1.24	.023	6	53	.63	882	.01	8	.29	.01	.08	1	82	800
017807DR	5	11	20	26	.2	17	3	94	1.00	259	5	ND	1	75	.5	13	2	25	.40	.015	6	27	.18	499	.01	7	.20	.01	.08	2	95	1100
017808DR	5	11	23	16	.2	11	2	49	1.03	207	5	ND	1	75	.2	12	2	30	.24	.017	6	54	.10	619	.01	12	.23	.01	.10	1	61	1200
017809DR	6	15	23	32	.2	17	2	108	1.09	366	5	ND	1	61	.5	27	2	21	.35	.015	10	31	.15	737	.01	11	.26	.01	.09	1	132	1100
017810DR	5	11	18	16	.2	14	1	47	.63	159	5	ND	1	37	.2	23	2	20	.17	.009	6	51	.07	485	.01	9	.22	.01	.07	1	52	900
017811DR	4	11	19	11	.1	15	2	39	.61	90	5	ND	1	29	.2	11	2	21	.09	.008	4	20	.04	598	.01	11	.18	.01	.07	1	33	960
017812DR	6	8	20	12	.2	12	2	29	.48	61	5	ND	1	31	.2	9	2	22	.10	.009	4	56	.04	911	.01	12	.19	.01	.07	1	27	850
017813DR	3	12	29	16	.2	14	2	53	.57	175	5	ND	1	43	.2	18	2	23	.12	.011	6	25	.05	1210	.01	18	.28	.01	.09	1	83	1500
017814DR	9	20	33	196	.1	19	10	748	3.54	885	5	ND	10	95	1.6	68	4	31	2.94	.048	36	16	.10	1222	.01	7	.49	.01	.13	1	144	1400
017815DR	5	22	39	169	.3	28	10	785	3.34	977	5	ND	7	114	.8	74	2	33	1.66	.037	33	13	.07	740	.01	9	.46	.01	.15	1	82	1200
017816DR	3	18	36	161	.3	19	11	757	3.51	1128	5	ND	7	89	.7	65	2	28	2.18	.022	28	20	.12	640	.01	8	.44	.01	.12	1	250	1100
017817DR	3	15	46	115	.1	18	9	677	3.63	1142	5	ND	9	167	.8	50	2	29	2.93	.029	35	14	.27	866	.01	4	.48	.01	.12	1	158	950
017818DR	6	18	43	287	.1	47	12	1072	4.12	758	5	ND	8	89	1.2	92	4	39	1.76	.032	34	18	.09	792	.01	5	.46	.01	.10	1	49	1500
017819DR	14	22	51	190	.3	55	8	774	1.86	302	5	ND	2	118	1.6	61	4	92	.61	.041	12	18	.04	2196	.01	9	.40	.01	.08	1	35	2600
017820DR	16	38	22	119	.6	40	3	147	1.33	125	5	ND	1	144	1.1	49	2	143	.35	.037	6	27	.04	1544	.01	10	.33	.01	.11	1	16	2100
017821DR	11	34	11	124	.5	40	4	146	1.29	61	5	ND	1	271	1.0	25	2	150	.32	.078	6	18	.03	1445	.01	8	.30	.01	.09	1	11	2000
017822DR	12	17	12	92	.7	37	3	80	.88	45	5	ND	1	187	.7	34	2	140	.28	.051	5	23	.03	1538	.01	10	.35	.01	.11	1	9	1900
017823DR	20	34	12	324	.6	56	6	113	1.75	30	5	ND	2	170	3.5	17	2	130	.28	.076	10	14	.03	1286	.01	8	.34	.01	.11	1	7	2000
017824DR	21	40	18	330	.6	53	6	69	2.10	25	5	ND	3	213	4.0	29	3	110	.26	.081	12	19	.03	497	.01	12	.48	.01	.18	1	5	1100
017825DR	24	53	16	398	.3	40	4	70	5.03	41	5	ND	4	195	.8	78	2	83	.19	.122	12	18	.03	324	.01	13	.49	.01	.22	1	2	360
017826DR	29	38	21	467	.2	57	6	98	3.63	55	6	ND	5	111	1.6	77	2	84	.15	.069	16	14	.04	719	.01	13	.48	.01	.21	1	7	440
017827DR	47	32	22	662	.1	71	8	110	3.98	42	5	ND	5	83	1.7	82	2	55	.18	.057	8	13	.04	466	.01	8	.44	.01	.20	1	4	400
017828DR	26	41	18	325	.4	53	7	107	3.28	47	6	ND	2	124	2.2	67	3	69	.17	.070	7	21	.03	947	.01	8	.41	.01	.16	1	9	830
017829DR	41	103	18	873	.4	139	11	251	5.53	100	12	ND	3	375	7.8	177	5	196	.22	.240	12	39	.04	644	.01	7	.81	.01	.16	1	24	1400
017830DR	24	51	11	352	.5	46	5	117	1.94	73	5	ND	1	222	4.0	57	2	130	.21	.082	5	29	.03	1037	.01	9	.30	.01	.10	1	15	1200
017831DR	28	43	14	157	.8	37	5	109	1.58	56	5	ND	1	185	3.5	43	2	136	.30	.051	3	11	.03	552	.01	8	.19	.01	.09	1	11	2300
017832DR	23	32	24	224	.8	39	3	54	1.58	63	5	ND	3	507	3.3	50	2	170	.33	.109	8	27	.05	801	.01	13	.48	.01	.17	1	9	2000
017833DR	3	16	28	127	.1	17	10	708	3.52	1049	5	ND	11	89	.7	105	2	38	1.86	.032	42	14	.08	1092	.01	5	.45	.01	.10	1	220	1100
017834DR	3	14	31	109	.1	14	9	669	3.36	897	5	ND	11	100	.4	88	2	35	2.06	.031	42	15	.13	901	.01	4	.49	.01	.10	1	158	780
017835DR	5	19	37	169	.1	27	11	688	3.48	497	5	ND	8	77	1.0	68	2	44	1.39	.028	36	15	.09	802	.01	6	.48	.01	.09	1	62	1300
017836DR	9	18	35	153	.2	34	10	697	2.97	345	5	ND	7	84	1.3	65	2	56	.81	.033	32	21	.06	2192	.01	5	.46	.01	.10	1	49	1800
017837DR	15	8	15	59	.8	42	4	397	.75	119	5	ND	2	121	.8	29	2	93	.28	.043	10	13	.03	2365	.01	11	.35	.01	.10	1	25	2200
STANDARD C/AU-R	18	61	42	131	7.0	71	31	1051	3.96	41	15	7	38	52	18.3	15	21	55	.51	.090	40	60	.88	181	.07	34	1.92	.06	.13	11	520	1500

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	Hg ppb
017838DR	15	35	16	251	.6	71	6	341	1.42	133	5	ND	2	195	1.8	61	2	159	.33	.103	9	21	.03	2370	.01	6	.41	.01	.09	1	6	2000
017839DR	10	43	12	137	.6	35	4	238	1.19	71	5	ND	1	221	1.8	46	2	127	.23	.069	8	21	.02	1208	.01	6	.30	.01	.09	1	4	1800
017840DR	14	39	12	272	.3	56	10	225	1.63	98	5	ND	2	178	1.3	104	2	149	.26	.072	7	18	.02	1784	.01	6	.33	.01	.08	1	3	1900
017841DR	17	14	20	268	.6	55	4	59	1.48	78	5	ND	3	138	.7	129	5	138	.27	.050	10	16	.02	1703	.01	7	.31	.01	.10	1	1	2800
017842DR	16	35	8	337	.3	65	5	139	1.71	79	5	ND	1	228	1.6	175	2	166	.46	.064	8	20	.03	1614	.01	5	.26	.01	.07	1	3	1800
017843DR	15	30	12	283	.5	49	4	213	1.21	39	5	ND	2	308	3.0	73	5	120	4.43	.060	5	12	.56	2161	.01	4	.28	.01	.07	1	1	2000
017844DR	10	25	12	79	.6	20	2	19	.52	15	5	ND	1	227	2.0	37	2	105	.35	.067	4	12	.04	2000	.01	6	.29	.01	.06	1	2	1900
017845DR	27	55	12	177	.5	42	2	40	1.46	36	5	ND	1	154	3.8	60	2	288	.36	.065	6	16	.02	1101	.01	3	.32	.01	.08	1	3	1300
017846DR	25	60	9	132	1.2	39	2	42	1.13	27	8	ND	1	297	3.5	38	4	252	.55	.174	4	25	.03	2015	.01	7	.38	.01	.08	1	1	1700
017847DR	22	110	10	140	1.7	44	2	51	1.46	34	5	ND	1	392	3.5	33	2	263	.60	.258	8	40	.04	1452	.01	12	.56	.01	.12	2	1	1300
017848DR	37	83	21	146	.7	37	3	34	2.05	34	5	ND	4	125	1.1	40	2	161	.27	.048	11	20	.05	737	.01	10	.42	.01	.16	1	2	450
017849DR	26	126	20	134	1.4	48	2	24	1.12	28	5	ND	3	207	1.9	32	2	279	.70	.239	10	27	.05	1669	.01	11	.64	.01	.16	1	3	1600
017850DR	21	77	9	66	1.7	40	2	13	.73	22	8	ND	3	414	2.9	40	5	308	.97	.363	11	38	.06	2256	.01	21	.75	.01	.17	1	3	1300
017851DR	20	48	22	295	1.7	52	5	84	1.33	23	5	ND	3	226	3.7	39	2	254	.55	.172	12	23	.06	1421	.01	17	.76	.01	.21	2	6	1500
STANDARD C	20	60	39	130	7.1	72	32	1052	3.96	41	18	7	39	52	18.6	15	20	57	.52	.095	39	60	.89	182	.07	33	1.88	.06	.14	11	-	1400

ACME ANA AL LABORATORIES LTD. 852 E. HASTINGS ST. V JVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9008-046 File # 90-3292 Page 1

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5

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
017852 DR	5	23	36	328	.6	27	12	924	4.08	1499	5	ND	11	67	1.9	175	4	52	.48	.042	39	21	.05	1621	.01	8	.58	.01	.12	1	650
017853 DR	3	19	52	189	.2	22	13	940	3.96	1105	5	ND	9	91	1.0	101	2	35	2.56	.028	34	20	.18	861	.01	5	.52	.01	.11	1	410
017854 DR	4	22	55	202	.1	34	13	1030	4.34	1190	5	ND	9	70	1.5	102	2	43	1.02	.033	31	20	.06	1334	.01	5	.59	.01	.10	1	143
017855 DR	6	24	28	164	.1	41	12	1013	3.65	527	5	ND	8	98	1.4	53	2	44	2.08	.069	33	19	.06	1084	.01	6	.57	.01	.13	1	88
017856 DR	12	20	19	123	.4	45	6	420	1.54	117	5	ND	3	151	.4	33	2	81	.35	.027	15	10	.03	821	.01	10	.37	.01	.16	1	31
017857 DR	9	20	18	206	.4	54	8	280	1.23	153	5	ND	3	107	.7	35	2	84	.24	.034	12	13	.02	1514	.01	7	.31	.01	.09	1	30
017858 DR	16	47	27	413	.6	75	10	454	2.39	313	5	ND	5	153	2.4	73	2	139	.33	.092	18	18	.03	1501	.01	7	.49	.01	.12	1	71
017859 DR	21	122	22	794	.3	142	12	576	4.54	212	5	ND	4	501	5.7	100	2	137	1.94	.171	13	37	.94	2426	.01	10	.86	.01	.14	1	19
017860 DR	13	29	12	249	.3	51	5	92	1.28	108	5	ND	1	126	1.4	75	2	133	.39	.042	8	19	.08	2190	.01	9	.34	.01	.10	1	16
017861 DR	19	28	16	151	.9	46	3	46	1.08	35	5	ND	3	161	1.3	43	2	160	.38	.057	17	12	.05	888	.01	12	.49	.01	.17	1	11
017862 DR	22	11	21	46	2.0	41	2	19	.71	20	5	ND	3	173	.2	30	3	169	.38	.080	14	17	.04	1642	.01	15	.54	.01	.16	2	10
017863 DR	28	17	14	91	1.4	55	1	32	.51	10	5	ND	1	107	2.5	29	2	238	.33	.028	8	14	.02	1138	.01	6	.31	.01	.09	2	6
017864 DR	31	17	19	102	2.6	43	2	29	.68	14	5	ND	1	236	3.8	49	2	210	.30	.123	9	23	.02	2703	.01	8	.55	.01	.11	2	9
017865 DR	30	80	14	221	2.0	72	4	94	1.38	38	8	ND	2	356	6.8	44	2	476	1.39	.554	13	55	.05	2390	.01	19	.92	.01	.19	1	11
017866 DR	31	73	18	188	1.9	50	2	64	1.78	39	5	ND	2	358	4.9	35	2	324	.49	.245	10	32	.04	842	.01	15	.72	.01	.19	2	7
017867 DR	27	19	26	157	1.8	39	2	33	1.19	28	5	ND	2	115	3.6	20	2	129	.36	.048	9	13	.04	1104	.01	11	.42	.01	.16	1	8
017868 DR	13	86	9	101	2.0	67	2	15	.94	20	5	ND	2	396	4.0	18	2	528	3.07	1.148	15	87	.09	2140	.01	37	1.19	.01	.29	1	9
017869 DR	14	63	15	111	2.0	45	2	43	.85	19	5	ND	2	361	2.3	25	2	293	.72	.303	10	37	.05	2572	.01	18	.70	.01	.15	1	9
017870 DR	14	95	25	208	1.6	58	4	183	1.26	23	7	ND	3	309	10.2	25	2	270	1.18	.466	10	45	.07	1618	.01	24	1.04	.01	.26	1	8
017871 DR	8	43	32	293	.9	47	11	564	3.47	2064	5	ND	7	91	2.7	653	2	63	.25	.043	27	19	.06	1444	.01	5	.60	.01	.11	1	960
017872 DR	3	22	35	165	.2	27	13	976	3.64	735	5	ND	7	95	1.2	139	2	36	3.45	.025	24	19	.16	1282	.01	2	.51	.01	.10	1	110
017873 DR	6	20	41	123	.1	28	10	617	2.47	817	5	ND	5	86	.5	97	2	54	1.31	.023	19	17	.07	2090	.01	6	.40	.01	.09	1	52
017874 DR	5	9	11	30	.1	13	3	54	.43	138	5	ND	1	184	.2	32	2	64	.11	.014	2	9	.01	1984	.01	2	.14	.01	.03	2	29
017875 DR	9	12	13	36	.5	20	2	60	.62	186	5	ND	1	163	.2	48	2	73	.18	.021	3	13	.02	1783	.01	9	.19	.01	.05	2	52
017876 DR	10	10	6	39	.5	22	3	83	.64	177	6	ND	1	147	.2	58	2	98	.18	.032	3	13	.02	1972	.01	6	.24	.01	.07	2	37
017877 DR	6	8	5	10	.2	15	2	91	.35	47	5	ND	1	134	.2	25	2	53	.11	.016	2	11	.01	1750	.01	5	.14	.01	.05	2	14
017878 DR	10	18	13	127	.2	28	5	293	1.37	47	5	ND	2	140	1.1	36	2	74	.18	.027	10	11	.02	1615	.01	6	.25	.01	.08	1	13
017879 DR	27	39	27	324	.1	79	10	645	2.83	116	5	ND	6	125	2.9	58	3	115	.18	.050	24	20	.03	1411	.01	4	.41	.01	.09	1	10
017880 DR	9	23	13	62	.4	27	3	91	.68	48	5	ND	1	106	.3	38	2	100	.19	.028	4	16	.03	2193	.01	10	.41	.01	.12	1	15
017881 DR	23	95	20	467	1.2	74	8	83	2.38	72	5	ND	2	565	3.2	36	2	152	.52	.206	7	33	.04	2170	.01	14	.77	.01	.17	1	13
017882 DR	25	89	27	267	.6	44	6	44	3.04	36	5	ND	4	308	2.6	10	3	87	.22	.060	11	26	.04	1968	.01	12	.67	.01	.18	1	7
017883 DR	22	58	13	804	1.1	107	12	331	2.03	33	5	ND	2	387	8.5	23	2	190	.64	.265	7	29	.03	2224	.01	17	.74	.01	.18	1	7
017884 DR	33	117	22	445	1.4	77	8	116	2.14	37	5	ND	2	266	5.0	23	3	272	.49	.207	9	29	.04	1159	.01	14	.74	.01	.20	1	8
017885 DR	28	243	9	415	1.5	104	11	380	1.71	28	7	ND	2	302	7.4	28	2	657	1.39	.623	12	50	.05	2353	.01	24	.92	.01	.19	1	7
017886 DR	33	51	18	197	2.5	34	3	31	1.68	38	5	ND	2	262	2.8	33	2	252	.42	.349	11	31	.03	1658	.01	14	.67	.01	.16	2	6
017887 DR	32	55	15	172	1.3	43	2	61	1.43	23	5	ND	2	161	3.2	26	2	244	.32	.148	7	19	.03	788	.01	11	.54	.01	.17	1	6
STANDARD C/AU-R	18	59	39	131	6.8	70	32	1052	3.97	37	21	7	37	52	18.8	15	18	56	.51	.099	37	58	.88	180	.07	33	1.89	.06	.14	13	540

BCRC 90-93

BCRC 91-94

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: P1-P3 Cutting P4 Rock AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.

DATE RECEIVED: AUG 7 1990 DATE REPORT MAILED: Aug 15/90 SIGNED BY ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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
017888 DR	33	87	17	360	.7	67	6	528	1.97	61	5	ND	2	130	4.2	33	2	170	.18	.114	11	21	.04	682	.01	13	.52	.01	.18	1	2
017889 DR	27	70	17	178	1.2	38	2	173	1.47	46	11	ND	1	176	3.7	44	2	272	.34	.259	12	27	.04	1857	.01	14	.55	.01	.13	1	6
017890 DR	6	32	35	204	.5	36	10	245	3.77	1041	8	ND	8	91	1.3	191	4	36	.22	.032	32	12	.07	950	.01	8	.56	.01	.14	1	330
017891 DR	5	23	29	177	.5	49	12	530	3.00	507	6	ND	7	64	1.0	164	2	77	.29	.028	30	13	.04	1690	.01	10	.46	.01	.10	1	131
017892 DR	20	35	21	133	.4	63	6	107	1.99	350	6	ND	3	96	.3	93	2	173	.33	.020	14	18	.04	2653	.01	12	.56	.01	.15	1	58
017893 DR	9	15	20	35	.3	40	2	59	.58	136	5	ND	1	100	.4	51	2	127	.35	.017	6	8	.03	2514	.01	13	.31	.01	.10	1	21
017894 DR	21	40	22	296	.7	75	10	119	2.18	225	5	ND	3	139	.7	85	2	178	.33	.045	9	17	.04	2294	.01	12	.54	.01	.16	1	21
017895 DR	40	60	20	466	.7	129	18	124	3.70	92	10	ND	5	129	1.9	71	3	84	.19	.052	7	22	.04	1707	.01	13	.60	.01	.18	1	3
017896 DR	34	143	27	580	.3	142	23	177	4.79	40	5	ND	6	126	2.3	28	2	94	.20	.047	10	34	.06	2354	.01	13	.79	.01	.20	1	2
017897 DR	13	25	11	217	.1	38	67	200	1.33	34	5	ND	3	2116	1.2	10	2	20	7.08	.015	3	7	1.03	50927	.01	5	.28	.01	.09	1	2
017898 DR	9	17	16	177	.2	31	82	65	.58	39	5	ND	2	2277	1.8	22	2	69	7.64	.016	2	6	.11	56096	.01	6	.20	.01	.06	1	2
017899 DR	24	51	38	394	1.4	73	11	268	1.81	41	5	ND	2	292	14.2	24	2	137	3.63	.032	6	22	.21	6963	.01	13	.44	.01	.13	1	2
017900 DR	16	27	16	194	2.4	48	4	86	1.01	19	5	ND	1	367	2.1	17	2	194	.71	.294	7	34	.11	4851	.01	15	.65	.01	.14	1	6
017901 DR	22	27	16	148	1.6	37	3	604	.93	12	5	ND	1	301	2.9	15	2	167	3.77	.140	6	17	.14	2841	.01	14	.54	.01	.15	1	1
017902 DR	25	156	22	199	1.0	48	5	760	1.56	29	5	ND	2	451	4.6	21	2	187	3.28	.261	12	32	.12	2486	.01	17	.79	.01	.19	1	2
017903 DR	31	87	20	578	1.8	104	9	223	2.34	39	5	ND	3	360	12.5	32	2	469	1.75	.431	15	42	.46	2811	.01	21	1.09	.01	.19	1	1
017904 DR	32	130	13	496	.9	85	9	555	1.59	29	5	ND	3	310	9.3	18	2	225	3.20	.163	9	24	1.65	1335	.01	14	.70	.01	.15	1	1
017905 DR	26	50	24	170	1.1	36	3	58	1.44	22	5	ND	2	155	2.9	15	3	210	.55	.169	11	20	.08	362	.01	17	.54	.01	.18	1	3
017906 DR	43	108	30	598	.6	107	6	358	2.57	41	5	ND	2	179	9.8	24	2	216	.92	.125	11	25	.18	469	.01	17	.88	.01	.21	1	1
017907 DR	30	144	16	306	.8	80	2	100	1.78	67	9	ND	2	192	4.1	25	2	303	.39	.212	10	32	.05	480	.01	16	.67	.01	.23	1	4
017908 DR	22	180	22	600	.9	121	13	153	3.19	39	5	ND	2	101	10.8	25	2	111	.56	.075	9	25	.24	27	.01	14	.80	.01	.21	1	4
017909 DR	5	44	37	283	.6	55	18	625	3.83	792	8	ND	10	70	1.5	605	6	44	.18	.042	38	18	.07	1356	.01	10	.73	.01	.10	1	210
017910 DR	4	27	39	178	.3	42	17	676	3.56	760	7	ND	6	59	1.2	2081	2	49	.17	.027	31	17	.05	1108	.01	7	.51	.01	.11	1	360
017911 DR	13	39	33	138	.5	61	10	343	2.84	373	7	ND	4	65	.5	168	2	126	.31	.027	24	16	.05	1730	.01	16	.55	.01	.14	1	54
017912 DR	17	28	19	82	.8	45	5	112	1.79	333	5	ND	3	77	.7	142	2	118	.30	.019	16	16	.04	2272	.01	15	.49	.01	.14	1	73
017913 DR	18	50	26	73	.6	50	5	215	1.36	273	5	ND	3	90	1.0	70	3	107	.30	.023	10	17	.04	1850	.01	15	.57	.01	.16	1	18
017914 DR	28	65	20	229	.3	99	19	139	3.89	143	8	ND	6	60	.5	21	2	38	.21	.021	7	17	.05	2107	.01	13	.60	.01	.19	1	1
017915 DR	23	23	24	105	.8	43	7	86	1.36	41	5	ND	1	89	.6	19	3	120	.35	.016	8	10	.03	3770	.01	11	.33	.01	.13	1	3
017916 DR	24	19	21	165	1.1	34	2	40	1.22	60	5	ND	3	92	1.6	26	2	180	.27	.039	13	10	.04	716	.01	11	.42	.01	.17	1	5
017917 DR	30	29	18	121	.8	40	3	29	1.74	36	5	ND	3	107	.2	16	2	153	.46	.053	14	14	.04	537	.01	15	.40	.01	.18	1	2
017918 DR	36	122	17	232	1.1	48	4	73	2.68	51	5	ND	2	147	.7	22	2	179	.55	.121	10	36	.04	1518	.01	12	.48	.01	.12	1	4
017919 DR	19	113	11	222	1.6	42	2	41	1.13	29	5	ND	1	400	3.0	20	2	238	.82	.361	7	35	.04	2305	.01	20	.69	.01	.15	1	2
017920 DR	28	81	7	262	1.2	45	4	62	2.47	36	5	ND	1	246	2.4	22	2	190	.68	.306	7	33	.04	1555	.01	16	.62	.01	.16	1	2
017921 DR	17	27	20	96	.7	23	2	17	1.02	23	5	ND	1	174	1.3	16	2	119	.24	.073	5	12	.03	958	.01	12	.35	.01	.13	1	3
017922 DR	24	48	21	80	.8	24	2	19	1.59	30	9	ND	2	141	.8	15	2	136	.22	.066	8	15	.03	412	.01	13	.37	.01	.18	1	1
017923 DR	20	37	24	44	.7	23	1	15	.93	22	6	ND	2	110	.6	20	2	121	.21	.039	8	13	.04	1001	.01	12	.37	.01	.15	2	2
STANDARD C/AU-R	20	61	37	132	7.3	73	32	1052	3.97	40	17	7	37	53	18.9	15	22	57	.52	.098	38	60	.89	183	.08	40	1.89	.06	.13	12	510

BCRL 90-93

BCRL 94-96

MPLE#	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
7924 DR	27	41	17	123	.6	37	2	103	1.74	21	5	ND	2	146	6.0	20	2	143	1.42	.030	7	16	.70	602	.01	13	.40	.01	.18	1	2
7925 DR	21	15	15	193	.9	45	5	261	.92	21	5	ND	2	105	8.3	16	2	136	.35	.077	8	13	.05	1130	.01	12	.39	.01	.15	2	4
7926 DR	23	68	25	124	1.0	36	3	75	1.44	44	6	ND	2	208	2.6	20	2	126	.88	.259	7	25	.24	139	.01	21	.72	.01	.19	1	1
7927 DR	26	63	11	1047	.7	94	8	483	1.90	36	9	ND	1	371	25.5	38	2	182	7.10	.143	5	21	3.47	131	.01	16	.82	.02	.15	1	1
7928 DR	2	27	47	163	.2	31	12	940	3.83	2502	5	ND	10	62	1.4	184	2	27	.32	.037	38	14	.08	799	.01	7	.74	.01	.12	1	1100
7929 DR	3	23	40	220	.2	34	14	864	4.39	962	5	ND	10	61	.8	127	3	35	.54	.030	34	21	.08	662	.01	6	.70	.01	.11	1	230
7930 DR	3	22	35	159	.4	28	10	266	3.88	875	5	ND	9	64	1.4	115	2	34	.15	.036	34	18	.04	829	.01	12	.68	.01	.12	1	201
7931 DR	12	35	18	397	.3	87	18	405	3.20	266	5	ND	5	80	2.8	115	2	74	.23	.056	19	17	.03	2586	.01	12	.60	.01	.14	1	45
7932 DR	7	25	15	150	.4	47	11	752	1.56	97	5	ND	4	86	2.3	64	2	64	.17	.037	16	22	.03	2944	.01	14	.52	.01	.13	1	11
7933 DR	5	35	14	128	.5	30	5	129	1.20	190	5	ND	3	143	1.0	58	2	103	.19	.059	13	22	.02	3169	.01	12	.43	.01	.11	1	1
7934 DR	6	22	12	90	.7	28	4	78	.78	93	6	ND	1	99	1.2	102	2	114	.18	.053	4	18	.02	3351	.01	10	.36	.01	.08	2	6
7935 DR	12	43	10	146	.6	48	6	226	.97	74	5	ND	1	109	1.4	163	2	138	.25	.041	5	20	.02	2802	.01	13	.30	.01	.07	1	10
7936 DR	7	40	18	64	.4	23	3	38	.66	50	5	ND	2	166	1.4	119	2	127	.23	.048	6	14	.02	2863	.01	9	.34	.01	.08	1	1
7937 DR	10	11	9	40	.4	31	2	35	.68	35	5	ND	1	71	1.5	67	2	148	.30	.014	5	11	.02	2213	.01	7	.29	.01	.08	2	8
7938 DR	14	19	24	59	.5	32	4	204	1.09	115	5	ND	2	78	1.3	68	2	122	.27	.024	11	16	.03	1752	.01	9	.35	.01	.11	2	14
7939 DR	30	41	18	49	1.3	21	1	31	1.48	40	5	ND	3	105	2.1	46	2	185	.20	.042	13	14	.03	422	.01	10	.44	.01	.19	2	3
7940 DR	19	44	7	39	2.3	35	2	22	1.31	28	5	ND	2	265	1.7	39	2	227	.37	.300	6	31	.02	2240	.01	12	.44	.01	.10	1	2
7941 DR	30	77	4	202	1.8	72	4	107	1.76	48	8	ND	2	322	2.5	47	2	332	.40	.259	7	37	.04	1942	.01	13	.61	.01	.13	2	1
7942 DR	23	52	4	116	2.0	40	2	38	1.32	30	5	ND	1	329	1.8	26	2	282	.40	.279	7	32	.03	2202	.01	12	.50	.01	.12	1	1
7943 DR	22	50	13	190	.9	37	2	56	1.41	28	5	ND	4	266	2.6	32	2	131	.32	.102	16	18	.05	377	.01	16	.53	.01	.23	1	3
7944 DR	47	77	17	234	.8	54	4	245	1.89	90	5	ND	3	228	4.5	63	2	192	.27	.084	16	22	.04	1287	.01	15	.48	.01	.14	1	3
7945 DR	72	62	24	725	.3	106	14	508	3.35	69	5	ND	5	154	8.1	43	2	132	.23	.073	18	20	.05	1774	.01	16	.62	.01	.17	1	3
7946 DR	43	48	21	354	.7	53	7	217	1.57	46	5	ND	3	147	5.9	29	2	110	.70	.062	10	21	.31	2321	.01	14	.60	.01	.14	1	1
ANDARD C/AU-R	17	58	40	131	6.8	71	31	1049	3.96	41	15	7	36	52	18.5	15	21	55	.50	.094	36	60	.86	179	.07	34	1.87	.06	.14	11	520

BERC 90-97

AMPLE#	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
17924 DR	27	41	17	123	.6	37	2	103	1.74	21	5	ND	2	146	6.0	20	2	143	1.42	.030	7	16	.70	602	.01	13	.40	.01	.18	1	2
17925 DR	21	15	15	193	.9	45	5	261	.92	21	5	ND	2	105	8.3	16	2	136	.35	.077	8	13	.05	1130	.01	12	.39	.01	.15	2	4
17926 DR	23	68	25	124	1.0	36	3	75	1.44	44	6	ND	2	208	2.6	20	2	126	.88	.259	7	25	.24	139	.01	21	.72	.01	.19	1	1
17927 DR	26	63	11	1047	.7	94	8	483	1.90	34	9	ND	1	371	25.5	38	2	182	7.10	.143	5	21	3.47	131	.01	16	.82	.02	.15	1	1
17928 DR	2	27	47	163	.2	31	12	940	3.83	2502	5	ND	10	62	1.4	184	2	27	.32	.037	38	14	.08	799	.01	7	.74	.01	.12	1	1100
17929 DR	3	23	40	220	.2	34	14	864	4.39	962	5	ND	10	61	.8	127	3	35	.54	.030	34	21	.08	662	.01	6	.70	.01	.11	1	230
17930 DR	3	22	35	159	.4	28	10	266	3.88	875	5	ND	9	64	1.4	115	2	34	.15	.036	34	18	.04	829	.01	12	.68	.01	.12	1	201
17931 DR	12	35	18	397	.3	87	18	405	3.20	266	5	ND	5	80	2.8	115	2	74	.23	.056	19	17	.03	2586	.01	12	.60	.01	.14	1	45
17932 DR	7	25	15	150	.4	47	11	752	1.56	97	5	ND	4	86	2.3	64	2	64	.17	.037	16	22	.03	2944	.01	14	.52	.01	.13	1	11
17933 DR	5	35	14	128	.5	30	5	129	1.20	190	5	ND	3	143	1.0	58	2	103	.19	.059	13	22	.02	3169	.01	12	.43	.01	.11	1	1
17934 DR	6	22	12	90	.7	28	4	78	.78	93	6	ND	1	99	1.2	102	2	114	.18	.053	4	18	.02	3351	.01	10	.36	.01	.08	2	6
17935 DR	12	43	10	146	.6	48	6	226	.97	74	5	ND	1	109	1.4	163	2	138	.25	.041	5	20	.02	2802	.01	13	.30	.01	.07	1	10
17936 DR	7	40	18	64	.4	23	3	38	.66	50	5	ND	2	166	1.4	119	2	127	.23	.048	6	14	.02	2863	.01	9	.34	.01	.08	1	1
17937 DR	10	11	9	40	.4	31	2	35	.68	35	5	ND	1	71	1.5	67	2	148	.30	.014	5	11	.02	2213	.01	7	.29	.01	.08	2	8
17938 DR	14	19	24	59	.5	32	4	204	1.09	115	5	ND	2	78	1.3	68	2	122	.27	.024	11	16	.03	1752	.01	9	.35	.01	.11	2	14
17939 DR	30	41	18	49	1.3	21	1	31	1.48	40	5	ND	3	105	2.1	46	2	185	.20	.042	13	14	.03	422	.01	10	.44	.01	.19	2	3
17940 DR	19	44	7	39	2.3	35	2	22	1.31	28	5	ND	2	265	1.7	39	2	227	.37	.300	6	31	.02	2240	.01	12	.44	.01	.10	1	2
17941 DR	30	77	4	202	1.8	72	4	107	1.76	48	8	ND	2	322	2.5	47	2	332	.40	.259	7	37	.04	1942	.01	13	.61	.01	.13	2	1
17942 DR	23	52	4	116	2.0	40	2	38	1.32	30	5	ND	1	329	1.8	26	2	282	.40	.279	7	32	.03	2202	.01	12	.50	.01	.12	1	1
17943 DR	22	50	13	190	.9	37	2	56	1.41	28	5	ND	4	266	2.6	32	2	131	.32	.102	16	18	.05	377	.01	16	.53	.01	.23	1	3
17944 DR	47	77	17	234	.8	54	4	245	1.89	90	5	ND	3	228	4.5	63	2	192	.27	.084	16	22	.04	1287	.01	15	.48	.01	.14	1	3
17945 DR	72	62	24	725	.3	106	14	508	3.35	69	5	ND	5	154	8.1	43	2	132	.23	.073	18	20	.05	1774	.01	16	.62	.01	.17	1	3
17946 DR	43	48	21	354	.7	53	7	217	1.57	48	5	ND	3	147	5.9	29	2	110	.70	.062	10	21	.31	2321	.01	14	.60	.01	.14	1	1
TANDARD C/AU-R	17	58	40	131	6.8	71	31	1049	3.96	41	15	7	36	52	18.5	15	21	55	.50	.094	36	60	.86	179	.07	34	1.87	.06	.14	11	520

BERC 90-97

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

Brewery

DATE RECEIVED: AUG 16 1990

DATE REPORT MAILED: Aug. 20/90

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9008-046 FILE # 90-3292R Page 1

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5

SAMPLE#	HG ppb
017852 DR	2200
017853 DR	1300
017854 DR	1000
017855 DR	780
017856 DR	1700
017857 DR	1900
017858 DR	2500
017859 DR	1800
017860 DR	2100
017861 DR	3200
017862 DR	3500
017863 DR	3400
017864 DR	4600
017865 DR	3400
017866 DR	3500
017867 DR	3700
017868 DR	8300
017869 DR	6100
017870 DR	7200
017871 DR	2800
017872 DR	1500
017873 DR	1800
017874 DR	1500
017875 DR	2900
017876 DR	3300
017877 DR	1800
017878 DR	1400
017879 DR	1300
017880 DR	1700
017881 DR	2200
017882 DR	540
017883 DR	310
017884 DR	300
017885 DR	260
017886 DR	280
017887 DR	290
STANDARD C	1500

BCRC 90-93

BCRC 90-94

- SAMPLE TYPE: Pulp HG ANALYSIS BY FLAMELESS AA.

SIGNED BY. . . . . D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

SAMPLE#	HG ppb
017888 DR	890
017889 DR	510
017890 DR	1300
017891 DR	1800
017892 DR	3200
017893 DR	2300
017894 DR	2200
017895 DR	550
017896 DR	250
017897 DR	200
017898 DR	630
017899 DR	1900
017900 DR	1600
017901 DR	1600
017902 DR	1400
017903 DR	1200
017904 DR	830
017905 DR	650
017906 DR	1100
017907 DR	620
017908 DR	2000
017909 DR	1900
017910 DR	1600
017911 DR	3400
017912 DR	4300
017913 DR	3500
017914 DR	1800
017915 DR	1200
017916 DR	1500
017917 DR	1400
017918 DR	1700
017919 DR	2200
017920 DR	1600
017921 DR	2200
017922 DR	1700
017923 DR	1500
STANDARD C	1200

BCRC 90-95

BCRC 90-96

SAMPLE#	HG ppb
017924 DR	1400
017925 DR	1300
017926 DR	1700
017927 DR	1200
017928 DR	1100
017929 DR	1200
017930 DR	1400
017931 DR	2800
017932 DR	3300
017933 DR	4500
017934 DR	3000
017935 DR	2200
017936 DR	2800
017937 DR	1800
017938 DR	2000
017939 DR	1700
017940 DR	1300
017941 DR	1200
017942 DR	1100
017943 DR	1400
017944 DR	1800
017945 DR	2800
017946 DR	4600
STANDARD C	1600

BERC 90-97

Noranda Exploration Co. Ltd. PROJE .08-048 330 FILE # 90-3365 P .0

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	Hg ppb
)R 017947	2	58	42	49	1.5	7	2	34	2.39	7185	5	4	11	78	4.3	4320	2	28	.09	.041	33	9	.01	860	.01	5	.46	.01	.10	3	4230	4300
)R 017948	2	80	46	280	.6	28	10	281	3.30	1699	6	ND	14	98	13.1	2816	2	34	.10	.051	42	17	.02	983	.01	3	.68	.01	.11	1	290	2600
)R 017949	3	25	41	195	.5	14	8	214	3.35	3583	8	ND	12	96	8.4	404	2	24	.08	.030	40	8	.01	847	.01	3	.49	.01	.11	1	1190	4200
)R 017950	3	20	33	387	.1	41	17	1168	4.57	1492	5	ND	14	72	7.8	981	2	36	.08	.056	48	15	.03	994	.01	3	.62	.01	.10	1	260	1800
)R 017951	2	16	32	312	.1	30	13	1035	4.19	1185	5	ND	13	62	4.5	315	2	42	.08	.044	44	13	.03	749	.01	2	.54	.01	.09	1	200	2200
)R 017952	2	17	30	316	.1	33	14	1176	4.27	1868	5	ND	13	71	3.6	136	3	31	.55	.088	46	14	.03	718	.01	4	.60	.01	.11	1	250	2000
)R 017953	5	39	22	278	.3	54	10	255	3.07	694	6	ND	8	66	1.5	128	2	41	.17	.039	28	8	.03	539	.01	6	.54	.01	.21	1	70	1800
)R 017954	6	28	27	202	.3	38	7	189	2.42	528	6	ND	8	53	1.2	124	2	34	.13	.027	29	10	.03	617	.01	8	.47	.01	.19	1	123	1700
)R 017955	5	37	38	368	.2	59	15	746	3.87	1037	5	ND	10	67	5.3	126	5	34	.10	.035	35	16	.03	745	.01	7	.69	.01	.12	1	111	2100
)R 017956	4	29	41	414	.3	67	14	596	4.14	879	5	ND	11	83	7.6	251	2	40	.56	.040	37	24	.06	1048	.01	7	.94	.01	.12	1	106	1800
)R 017957	4	21	41	478	.8	48	12	722	4.46	916	5	ND	9	59	3.8	752	2	36	.71	.024	32	18	.03	502	.01	6	.59	.01	.09	1	131	2600
)R 017958	4	28	29	495	1.1	71	12	374	4.27	1487	9	ND	10	73	5.6	1697	2	37	.11	.030	37	20	.02	799	.01	8	.82	.01	.10	1	270	2100
)R 017959	5	22	29	593	1.5	75	17	846	3.27	1796	5	ND	7	90	10.5	10455	2	37	.14	.028	25	13	.01	569	.01	4	.80	.01	.08	2	880	2900
)R 017960	7	39	25	354	.6	36	7	99	3.09	269	6	ND	3	53	1.7	621	2	56	.11	.019	8	13	.03	1186	.01	5	.60	.01	.14	1	99	1700
)R 017961	26	88	8	611	2.6	137	9	196	2.04	181	13	ND	3	364	5.2	272	3	476	.11	.251	13	58	.03	4797	.01	4	.79	.01	.09	1	44	8700
)R 017962	11	115	77	1432	1.3	122	25	972	4.01	92	5	ND	9	322	13.3	131	2	292	3.24	.217	40	189	1.13	2212	.01	2	.68	.01	.05	1	17	4300
)R 017963	6	92	50	744	1.0	67	10	563	2.73	100	7	ND	6	364	10.9	76	2	198	2.84	.400	25	97	.80	2203	.01	6	.77	.01	.10	1	16	3100
TANDARD C/AU-R	17	60	40	131	6.9	70	31	1051	3.99	41	16	7	38	52	18.6	15	18	55	.50	.099	39	60	.87	181	.07	34	1.88	.06	.13	14	510	1600

BC RC 90-98

BERC 90-99

BERC 90-100

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	Hg ppb
DR 017964	2	17	35	538	.1	26	8	689	2.96	41	5	MD	7	320	2.6	35	2	38	2.30	.072	22	19	.91	422	.01	8	.49	.01	.12	2	8	750
DR 017965	2	13	39	564	.1	28	10	760	3.30	35	5	MD	8	319	2.8	29	2	33	2.14	.078	29	19	.91	497	.01	6	.54	.01	.12	1	10	520
DR 017966	1	163	3	85	12.4	20	2	53	1.93	156	5	MD	1	64	11.2	30768	2	22	.29	.011	6	9	.04	23	.01	2	.31	.01	.06	1	650	4500
DR 017967	6	80	39	94	2.3	18	3	59	2.79	1993	5	MD	7	90	10.2	10883	2	22	.15	.048	36	7	.02	862	.01	3	.45	.01	.09	1	370	3400
DR 017968	11	47	34	204	.2	24	4	81	4.44	2364	5	MD	14	83	4.9	2041	2	28	.08	.063	44	9	.02	731	.01	4	.52	.01	.11	1	280	1900
DR 017969	11	48	56	182	.5	20	4	87	4.04	2251	5	MD	13	109	3.7	1030	2	29	.08	.060	42	9	.02	759	.01	5	.54	.01	.12	1	430	2300
DR 017970	5	49	59	272	.2	25	8	232	4.08	1741	5	MD	15	119	4.7	985	2	36	.10	.080	51	11	.03	950	.01	3	.60	.01	.11	1	310	1600
DR 017971	4	20	63	240	.7	25	10	414	3.32	1933	5	MD	13	105	5.6	567	3	29	.08	.050	45	9	.02	810	.01	7	.52	.01	.10	1	640	2600
DR 017972	4	20	32	305	.2	31	14	776	3.92	1614	5	MD	15	79	3.9	331	2	34	.07	.050	49	11	.03	890	.01	6	.53	.01	.09	1	370	2500
DR 017973	2	20	31	300	.1	24	12	943	3.65	1682	5	MD	15	74	3.1	411	2	35	.09	.064	46	12	.02	963	.01	4	.52	.01	.08	1	610	3100
DR 017974	3	45	31	303	.6	40	11	591	3.50	4101	5	2	13	88	3.7	810	2	31	.13	.038	44	9	.02	759	.01	3	.56	.01	.08	1	1910	3800
DR 017975	3	31	35	144	1.0	14	3	106	2.17	2003	5	MD	10	112	4.7	7960	2	17	.12	.025	36	5	.82	514	.01	11	.42	.01	.09	1	880	2600
DR 017976	3	27	71	213	2.0	15	4	58	2.91	1839	5	MD	9	81	2.5	9615	4	23	.05	.021	35	6	.01	354	.01	8	.39	.01	.07	1	890	2700
DR 017977	4	30	25	180	1.2	28	4	48	2.61	2013	5	MD	7	66	3.1	3944	2	34	.03	.030	28	14	.01	668	.01	3	.47	.01	.05	1	1230	2000
DR 017978	5	95	20	67	2.9	13	1	22	1.52	1429	5	MD	4	99	7.1	10925	2	40	.03	.026	17	13	.01	339	.01	4	.32	.01	.08	1	3250	2400
DR 017979	12	137	32	1684	1.1	145	26	949	4.95	363	5	MD	9	450	18.1	543	2	234	3.82	.302	44	183	1.34	2146	.01	2	1.00	.01	.05	1	63	6800
DR 017980	6	20	40	590	.1	39	9	666	3.21	67	5	MD	6	235	5.4	120	2	62	2.11	.049	21	15	.76	308	.01	8	.49	.01	.10	1	22	1100
DR 017981	2	9	32	299	.1	16	8	691	3.06	31	5	MD	6	286	2.6	51	2	26	2.48	.022	19	13	.91	314	.01	8	.46	.01	.11	1	8	950
DR 017982	6	38	29	434	.5	41	8	576	2.82	173	5	MD	6	240	5.6	94	3	68	2.38	.076	22	20	.99	457	.01	6	.48	.01	.12	1	14	1600
DR 017983	20	93	15	654	1.1	71	5	438	1.80	61	8	MD	5	320	10.0	64	2	211	4.63	.287	22	30	2.23	307	.01	10	.45	.01	.17	1	7	2300
DR 017984	5	33	18	296	.2	35	12	578	3.57	115	5	MD	13	535	2.0	59	2	35	3.07	.120	27	18	1.35	97	.01	5	.32	.01	.14	1	9	880
DR 017985	8	33	30	293	.1	49	18	561	3.57	934	5	MD	13	123	5.1	985	2	62	.16	.098	49	17	.01	1656	.01	3	.58	.01	.10	1	270	2000
DR 017986	7	20	37	239	.1	38	19	437	2.97	872	5	MD	12	89	3.4	878	2	34	.10	.063	50	11	.02	1409	.01	2	.57	.01	.10	1	240	1600
DR 017987	6	21	27	140	.2	21	4	91	2.72	1700	5	MD	10	72	3.4	886	2	43	.10	.050	40	13	.02	820	.01	5	.56	.01	.12	1	147	2500
DR 017988	5	18	34	108	.3	14	2	56	2.47	1584	5	MD	8	75	2.0	667	2	36	.11	.041	35	18	.02	731	.01	5	.48	.01	.13	1	126	2300
DR 017989	6	19	47	225	.6	25	6	132	3.47	1781	9	MD	9	65	2.7	755	2	38	.08	.037	34	14	.02	703	.01	4	.47	.01	.10	1	370	2400
DR 017990	10	26	40	293	.5	28	6	134	4.42	2270	10	MD	10	53	7.2	2078	2	37	.09	.048	38	17	.01	786	.01	7	.46	.01	.10	1	230	2200
DR 017991	8	25	49	257	.6	26	4	115	4.03	2227	6	MD	9	58	7.5	2042	2	33	.10	.052	38	13	.02	682	.01	5	.52	.01	.10	1	288	2000
DR 017992	8	26	50	342	.3	37	6	153	4.65	2334	5	MD	9	65	7.5	3177	2	39	.10	.054	33	17	.02	631	.01	5	.47	.01	.09	1	230	2100
DR 017993	7	24	58	325	.4	40	8	232	3.85	1656	7	MD	8	68	5.2	1996	2	39	.09	.054	33	20	.02	726	.01	7	.54	.01	.11	1	128	1800
DR 017994	5	38	45	406	.1	44	11	186	3.52	1928	6	MD	10	101	4.0	506	2	44	.12	.109	41	14	.02	974	.01	8	.77	.01	.14	1	360	1300
DR 017995	12	37	24	152	1.8	35	4	75	1.75	1055	5	MD	4	211	3.1	7816	2	120	.16	.126	18	22	.02	1102	.01	5	.59	.01	.12	1	1600	3600
DR 017996	14	16	13	111	1.4	18	3	34	2.01	329	5	MD	3	236	.9	268	2	154	.09	.154	8	25	.02	2251	.01	9	.65	.01	.15	1	91	5200
DR 017997	19	19	17	24	1.1	15	1	22	.95	149	5	MD	3	178	.2	210	2	119	.08	.111	7	19	.02	1120	.01	12	.49	.01	.12	2	66	6500
DR 017998	12	13	12	25	1.7	14	1	40	.57	49	5	MD	3	76	.3	2006	2	89	.11	.037	14	12	.03	774	.01	10	.36	.01	.11	1	122	4800
DR 017999	13	8	21	26	1.6	26	1	22	.60	64	5	MD	2	131	.2	111	2	103	.19	.061	7	18	.03	1542	.01	8	.39	.01	.10	2	136	7200
DR 018000	13	7	11	20	1.6	18	1	14	.45	49	5	MD	2	138	.2	70	2	101	.08	.086	6	19	.02	2088	.01	8	.44	.01	.10	1	91	6800
STANDARD C/AU-R	18	61	39	134	7.0	72	32	1052	3.97	42	18	7	37	52	18.4	14	21	55	.51	.100	39	60	.88	180	.07	35	1.91	.06	.13	12	550	1500

BERC 90-100

BERC 90-101

BERC 90-102

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	Hg ppb
DR 015501	28	19	11	24	4.6	29	4	58	.87	48	5	ND	2	394	.3	75	2	352	.06	.260	8	54	.03	5210	.01	10	.65	.01	.07	3	55	12000
DR 015502	13	142	43	1119	1.0	189	28	440	4.67	60	5	ND	12	279	9.6	37	4	244	1.01	.390	62	299	1.16	1804	.15	13	1.46	.01	.54	1	7	4400
DR 015503	5	42	23	416	.1	47	15	971	3.90	137	5	ND	11	295	2.6	24	2	56	3.16	.062	31	46	1.35	594	.01	7	.58	.01	.13	1	7	3800
DR 015504	5	24	25	315	.5	48	13	790	3.94	4263	5	2	11	54	2.7	941	2	37	.14	.033	36	13	.03	601	.01	3	.45	.01	.09	2	1790	2600
DR 015505	6	42	35	262	1.2	38	14	525	3.91	4908	5	2	7	59	6.1	2259	4	41	.12	.046	32	14	.02	689	.01	10	.49	.01	.09	2	2030	2700
DR 015506	5	41	45	251	2.0	34	17	603	3.48	4959	5	3	8	69	6.8	2026	2	40	.15	.046	33	16	.04	924	.01	6	.50	.01	.11	2	2700	3200
DR 015507	5	46	55	267	1.3	33	16	603	3.51	4068	5	3	9	77	5.9	1705	2	39	.10	.046	31	19	.02	720	.01	3	.54	.01	.09	1	2380	3000
DR 015508	5	38	42	201	.8	34	10	247	2.92	3580	5	2	8	128	3.0	1299	5	34	.10	.046	30	14	.02	605	.01	4	.52	.01	.09	2	1540	2700
DR 015509	6	36	107	252	1.5	27	14	270	3.45	3155	5	ND	8	56	5.7	4379	4	32	.09	.045	29	18	.02	470	.01	5	.48	.01	.08	2	1100	3400
DR 015510	8	34	50	336	1.3	34	9	248	3.81	4047	5	3	9	48	8.7	2174	4	33	.11	.045	28	17	.02	466	.01	5	.47	.01	.08	2	2630	2900
DR 015511	7	9	34	190	1.8	21	7	384	2.24	2431	5	ND	6	48	5.4	1692	2	36	.08	.028	18	9	.01	324	.01	8	.37	.01	.07	1	1150	3500
DR 015512	6	14	23	166	2.4	38	4	128	.95	641	5	ND	2	337	2.9	4142	2	209	.20	.187	9	30	.02	3512	.01	6	.62	.01	.05	1	330	7600
DR 015513	7	41	42	254	3.3	37	4	85	1.60	453	5	ND	4	189	7.4	8324	2	115	.16	.105	19	23	.02	2168	.01	8	.55	.01	.08	1	200	4200
DR 015514	11	43	64	364	.7	37	5	85	3.67	890	5	ND	8	100	3.2	648	2	78	.08	.067	28	19	.02	988	.01	8	.56	.01	.12	1	180	1300
DR 015515	7	94	45	814	.7	111	26	865	5.09	119	5	ND	9	126	8.4	167	3	102	.09	.097	41	144	.02	1767	.01	5	.66	.01	.03	1	17	2300
DR 015516	6	80	21	436	3.6	94	12	336	2.75	102	5	ND	4	95	6.1	114	2	66	.12	.061	18	51	.02	1249	.01	6	.38	.01	.07	1	6	1900
DR 015517	9	38	39	988	.1	78	21	1134	4.63	162	5	ND	16	116	6.0	130	2	57	.05	.072	52	27	.03	1460	.01	7	.70	.01	.12	1	35	1000
DR 015518	5	43	28	748	.1	85	19	703	4.84	81	5	ND	18	67	4.7	56	2	35	.37	.118	58	29	.17	446	.01	4	.69	.01	.15	1	18	380
DR 015519	13	78	20	543	.2	85	17	555	3.20	88	5	ND	8	181	5.2	69	2	84	.48	.234	33	35	.06	2093	.01	12	.72	.01	.18	1	19	1400
DR 015520	5	69	8	254	2.1	70	6	599	1.34	66	5	ND	2	280	1.2	34	3	67	1.56	.354	13	53	.51	2895	.01	9	.44	.01	.07	1	6	640
DR 015521	3	26	4	45	1.6	28	3	840	1.06	38	5	ND	1	133	.4	19	2	25	4.08	.013	6	14	2.45	344	.01	7	.14	.01	.05	1	3	420
DR 015522	11	96	15	384	1.8	76	7	410	2.27	59	5	ND	5	341	4.6	26	2	143	3.04	.556	22	38	.96	224	.01	23	.77	.01	.16	1	13	2400
DR 015523	6	46	20	207	1.4	33	4	87	2.27	908	5	ND	4	36	4.7	3211	5	41	.08	.045	15	11	.02	540	.01	5	.37	.01	.04	1	620	1800
DR 015524	11	113	12	152	6.2	57	5	43	1.50	208	7	ND	2	482	1.7	492	2	333	.21	.314	10	63	.02	5576	.01	5	1.05	.01	.06	2	121	10000
DR 015525	16	59	32	273	1.1	40	5	60	3.91	299	5	ND	6	97	1.8	410	2	265	.15	.109	18	24	.03	1221	.01	11	.51	.01	.12	1	77	5200
DR 015526	9	28	40	161	.4	16	5	33	3.05	94	5	ND	10	81	1.0	118	4	51	.09	.085	30	11	.02	1033	.01	11	.52	.01	.11	1	20	670
DR 015527	18	101	31	281	.7	35	9	97	2.31	161	5	ND	6	158	3.8	182	2	279	.54	.216	29	23	.05	1463	.01	15	.68	.01	.13	1	8	3100
DR 015528	8	217	9	235	2.8	45	7	105	1.46	98	9	ND	6	410	6.6	82	2	604	2.25	.922	31	130	.07	3670	.01	19	.93	.01	.17	2	2	4400
DR 015529	21	153	24	538	1.4	74	15	465	3.03	175	5	ND	8	242	6.0	169	2	1164	.95	.440	39	135	.08	2506	.02	13	.87	.01	.18	2	6	6100
DR 015530	12	93	39	408	.8	50	11	341	3.26	145	5	ND	12	200	5.8	96	6	274	1.12	.490	43	57	.04	1337	.01	9	.76	.01	.16	1	3	1900
DR 015531	11	38	41	404	.1	59	16	495	3.40	66	5	ND	14	68	5.4	66	2	85	.10	.080	45	21	.02	844	.01	6	.48	.01	.11	1	1	740
DR 015532	9	90	13	357	.7	56	6	113	2.19	48	5	ND	5	124	4.1	36	2	154	.59	.241	21	22	.04	845	.01	14	.49	.01	.15	1	1	1500
DR 015533	8	127	15	264	2.1	51	5	138	1.74	54	5	ND	3	290	5.1	35	2	121	2.00	.865	20	71	.05	1742	.01	19	.66	.01	.16	1	1	2800
DR 015534	6	170	7	357	3.3	98	5	293	1.44	56	5	ND	3	338	3.7	35	2	108	3.61	1.291	20	101	.34	1403	.01	31	.73	.01	.19	1	6	3100
DR 015535	9	116	11	541	2.5	128	4	388	1.37	52	5	ND	3	339	7.1	37	3	111	5.14	.994	17	85	1.84	1234	.01	24	.67	.01	.18	1	4	3800
DR 015536	17	91	9	525	3.0	93	6	674	2.00	67	5	ND	2	201	10.1	45	4	449	2.98	.374	14	54	1.25	981	.01	15	.51	.01	.14	1	10	4700
STANDARD C/AU-R	20	61	38	134	7.1	73	32	1051	3.98	41	18	7	39	52	18.7	15	19	57	.51	.090	39	57	.89	182	.08	32	1.89	.06	.13	11	530	1500

Noranda Exploration Co. Ltd. PRO 9008-048 330 FILE # 90-3365

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	Hg ppb
DR 015537	22	120	7	462	3.5	109	4	105	1.45	68	6	ND	3	361	7.7	56	2	712	1.89	.750	21	139	.12	2124	.01	18	.80	.01	.14	1	14	4700
DR 015538	7	118	12	503	4.1	133	4	214	1.52	65	5	ND	4	222	3.7	83	2	204	2.91	.555	16	139	.96	1225	.01	12	.60	.01	.08	1	8	3900
DR 015539	7	95	8	629	3.3	115	5	283	1.69	52	5	ND	4	228	3.7	32	6	134	3.08	.395	15	116	1.27	988	.01	7	.60	.01	.10	1	10	3300
DR 015540	5	47	12	518	.5	62	9	337	2.65	76	5	ND	5	159	7.3	27	2	48	2.11	.039	19	14	1.17	363	.01	5	.46	.01	.15	1	10	2000
DR 015541	23	87	50	437	1.7	101	10	770	3.10	237	5	ND	5	342	9.1	43	3	329	2.94	.103	17	93	1.44	1118	.01	3	.48	.01	.10	1	62	3000
DR 015542	10	45	22	231	2.7	47	7	146	3.26	1348	5	ND	5	131	1.8	6344	3	110	.24	.091	16	25	.07	635	.01	3	.70	.01	.13	1	730	4400
DR 015543	18	114	10	256	3.1	89	7	132	1.94	257	6	ND	3	514	9.1	168	2	352	1.53	.859	17	116	.04	4875	.01	8	1.09	.01	.13	2	66	6000
DR 015544	40	156	24	858	3.0	137	18	226	2.70	109	7	ND	5	202	10.2	111	2	505	1.04	.433	21	64	.06	1359	.01	19	.88	.01	.24	1	37	7400
DR 015545	13	94	10	568	2.1	97	6	340	1.72	65	5	ND	3	318	7.6	48	2	142	1.47	.665	14	94	.05	2415	.01	18	.80	.01	.18	1	23	2200
DR 015546	14	66	24	621	2.0	104	5	282	2.12	51	7	ND	3	169	3.7	36	4	162	.53	.262	13	50	.03	1423	.01	3	.48	.01	.11	1	19	2500
DR 015547	15	66	21	477	1.6	95	9	577	2.78	52	5	ND	6	173	4.6	28	3	246	1.46	.203	23	42	.24	1204	.01	6	.63	.01	.13	1	14	2700
DR 015548	5	14	23	300	.2	52	11	797	3.47	15	5	ND	9	137	1.5	17	2	45	1.71	.048	28	11	.47	604	.01	3	.55	.01	.11	1	8	840
DR 015549	5	16	24	222	.2	30	10	758	3.41	20	5	ND	11	185	1.8	17	2	51	2.23	.078	31	17	.62	947	.01	2	.67	.01	.11	1	10	1500
DR 015550	5	16	28	365	.3	39	11	815	3.77	26	5	ND	10	162	3.2	19	8	52	1.86	.047	26	12	.58	633	.01	2	.58	.01	.11	1	13	920
DR 015551	6	14	33	355	.2	41	12	919	3.57	22	5	ND	11	131	3.8	20	2	50	1.62	.058	28	17	.35	829	.01	2	.63	.01	.11	1	12	1900
DR 015552	8	21	27	451	.2	43	10	781	3.59	31	5	ND	8	128	4.6	18	4	58	1.72	.062	23	14	.30	678	.01	3	.56	.01	.12	1	9	1600
DR 015553	10	61	3	246	2.8	52	6	219	2.44	36	5	ND	3	265	4.6	26	3	192	.62	.372	13	61	.04	2451	.01	7	.53	.01	.09	1	11	2200
DR 015554	17	79	18	451	1.5	82	6	99	1.93	58	5	ND	4	227	7.4	28	3	208	.57	.265	16	50	.06	2382	.01	15	.69	.01	.16	1	8	1600
DR 015555	3	43	11	279	.6	40	6	514	2.71	24	5	ND	4	176	12.6	12	3	44	4.92	.039	7	24	2.93	284	.01	5	.34	.01	.12	1	6	360
DR 015556	1	33	7	157	.3	23	6	576	2.31	12	5	ND	4	226	3.9	11	4	17	6.52	.014	4	15	3.73	137	.01	5	.28	.01	.12	1	5	280
DR 015557	3	50	5	265	.3	46	9	291	2.08	18	5	ND	4	136	7.2	12	2	18	3.14	.014	5	21	1.86	175	.01	6	.38	.01	.15	1	11	320
DR 015558	3	42	8	246	.1	41	6	423	2.26	15	5	ND	3	211	6.7	12	2	16	4.58	.012	4	17	2.71	193	.01	8	.36	.01	.12	1	10	180
DR 015559	5	57	8	347	.4	72	12	261	2.20	24	5	ND	4	125	5.5	18	2	23	2.79	.016	5	24	1.66	175	.01	6	.46	.01	.16	1	8	300
DR 015560	4	47	9	245	.5	47	9	295	2.07	23	5	ND	3	175	5.8	21	2	38	2.37	.022	4	21	1.35	94	.01	9	.39	.01	.12	1	8	460
DR 015561	2	26	18	195	.3	28	6	442	1.92	23	5	ND	4	182	1.0	10	4	34	2.64	.024	8	20	1.34	92	.01	2	.50	.01	.08	1	9	730
DR 015562	1	39	5	137	.4	37	9	417	1.96	19	5	ND	3	164	.8	9	3	21	3.06	.012	4	20	1.76	78	.01	5	.33	.01	.09	1	7	520
DR 015563	1	27	4	95	.3	25	7	515	2.07	8	5	ND	4	178	1.4	8	4	16	4.39	.012	4	20	2.61	75	.01	4	.36	.01	.11	1	5	360
DR 015564	3	50	5	186	.5	36	7	505	2.16	35	5	ND	3	202	2.4	27	5	42	4.42	.055	5	23	2.55	65	.01	5	.44	.01	.11	1	11	1100
DR 015565	9	219	5	805	3.6	189	5	163	1.39	55	6	ND	3	708	2.1	28	3	166	2.47	1.224	12	212	.98	48	.01	3	1.60	.01	.05	1	9	4600
DR 015566	3	21	30	222	.3	33	12	487	3.33	1994	5	ND	13	54	2.1	2035	6	30	.15	.031	38	13	.05	622	.01	2	.53	.01	.09	2	540	1600
DR 015567	7	28	32	234	1.0	41	9	393	2.93	2194	5	ND	10	94	2.9	1793	3	50	.21	.053	31	24	.04	1124	.01	2	.54	.01	.10	1	780	2300
DR 015568	6	19	14	109	.6	33	4	97	.98	397	5	ND	4	76	1.8	351	2	64	.20	.029	13	13	.03	2241	.01	7	.42	.01	.12	1	126	2800
DR 015569	5	41	13	111	.5	31	3	28	.54	130	5	ND	4	77	2.1	148	4	81	.24	.019	17	19	.03	2393	.01	11	.42	.01	.13	1	29	1300
DR 015570	8	46	10	84	.6	32	3	65	.86	290	5	ND	3	71	1.8	367	4	90	.32	.015	12	11	.03	1812	.01	5	.30	.01	.08	1	99	2100
DR 015571	22	105	18	219	.7	60	6	112	2.63	667	5	ND	5	128	2.7	807	6	183	.26	.053	19	42	.04	2375	.01	5	.56	.01	.11	1	77	3300
DR 015572	13	138	33	618	.8	152	22	295	5.29	1440	9	ND	15	118	8.4	3721	3	113	.11	.085	40	90	.03	1643	.01	2	.92	.01	.05	1	970	3100
STANDARD C/AU-R	19	58	39	131	6.9	72	31	1051	3.97	38	16	7	38	53	18.3	14	20	55	.51	.094	38	56	.89	181	.07	33	1.88	.06	.14	14	510	1400

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BCRC 90-104

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	Hg ppb
DR 015573	5	112	60	767	4.6	97	20	580	4.62	2538	5	4	11	115	12.1	20749	2	87	.22	.056	32	82	.03	688	.01	3	.56	.01	.04	1	2780	6200
DR 015574	4	68	50	948	3.7	77	16	644	3.68	2232	5	3	3	173	7.2	24166	2	48	.76	.031	20	34	.29	148	.01	5	.42	.01	.08	1	2850	4100
DR 015575	6	63	38	620	4.6	53	11	826	3.66	2037	5	2	5	298	4.1	13953	2	43	1.71	.027	19	24	.81	115	.01	2	.40	.01	.08	1	2080	2900
DR 015576	23	52	38	337	6.2	53	6	254	2.24	446	6	ND	6	72	2.8	1926	2	111	.29	.036	22	21	.09	551	.01	9	.49	.01	.12	2	818	4500
DR 015577	11	33	30	409	2.5	43	7	349	2.14	1169	5	ND	5	245	2.6	3973	3	68	1.11	.036	22	20	.53	426	.01	8	.39	.01	.11	2	1988	3300
DR 015578	5	52	28	703	2.9	39	7	413	2.41	1697	5	3	4	300	10.9	10901	2	58	1.55	.035	17	21	.73	272	.01	5	.35	.01	.06	1	4090	2700
DR 015579	7	67	37	894	4.1	65	6	200	1.62	524	6	ND	4	262	25.2	10210	4	100	.88	.106	16	29	.30	461	.01	5	.48	.01	.07	1	1200	3900
DR 015580	10	87	25	656	3.3	59	5	104	1.18	287	5	ND	3	317	18.1	7024	2	249	.88	.322	14	43	.15	1755	.01	8	.58	.01	.09	1	480	4400
DR 015581	17	153	12	434	2.7	71	4	56	1.12	166	5	ND	2	377	10.3	2002	2	640	1.46	.663	17	74	.10	2369	.01	18	.64	.01	.12	1	111	4900
DR 015582	7	128	24	437	1.2	66	12	453	2.42	141	5	ND	7	587	13.9	1629	2	169	2.88	.585	27	133	.85	1207	.01	7	.73	.01	.05	1	83	4600
DR 015583	10	116	7	654	2.7	110	5	223	1.55	69	8	ND	2	454	10.0	324	2	138	2.02	.616	12	103	.57	196	.01	16	.72	.01	.08	1	24	3800
DR 015584	5	83	27	467	1.5	62	8	459	2.47	82	5	ND	4	408	8.6	804	2	83	2.90	.389	17	51	1.08	130	.01	7	.60	.01	.08	1	27	3200
DR 015585	8	69	7	673	1.7	63	4	521	1.23	102	6	ND	1	303	9.9	676	2	222	4.23	.467	10	42	1.88	176	.01	14	.44	.01	.10	1	42	2600
DR 015586	15	77	9	840	1.7	75	4	350	1.23	161	8	ND	1	273	10.3	1059	2	236	1.98	.533	11	42	.43	201	.01	12	.54	.01	.11	1	61	2500
DR 015587	11	74	14	701	1.1	81	10	470	2.01	118	8	ND	4	281	6.5	264	2	176	2.53	.509	21	66	.72	250	.01	7	.61	.01	.07	1	34	1500
DR 015588	3	27	52	344	.7	25	9	630	3.14	105	5	ND	5	338	4.5	636	2	46	2.33	.071	17	21	1.03	131	.01	8	.44	.01	.09	1	57	1600
DR 015589	3	19	28	131	.4	18	8	568	3.30	150	5	ND	5	426	2.0	259	2	33	2.30	.051	13	16	1.01	71	.01	11	.40	.01	.10	1	40	1500
DR 015590	5	37	31	539	.3	80	11	331	3.83	1230	9	ND	13	67	19.2	1227	6	43	.24	.102	48	12	.03	713	.01	9	.58	.01	.12	1	300	1700
DR 015591	8	45	31	508	.4	87	11	295	4.11	1625	5	ND	9	110	13.3	927	2	65	.20	.081	36	12	.04	969	.01	8	.61	.01	.12	1	950	2800
DR 015592	8	41	16	307	.3	66	9	132	2.72	330	8	ND	3	97	2.4	203	2	78	.19	.045	13	11	.04	1733	.01	10	.52	.01	.14	1	62	2600
DR 015593	13	47	20	313	1.4	82	8	175	1.75	372	6	ND	2	400	3.6	228	2	234	1.03	.404	10	29	.04	2927	.01	13	.75	.01	.15	1	74	4500
DR 015594	11	35	10	195	.5	63	5	98	1.47	316	8	ND	2	179	3.1	282	2	125	.31	.061	6	15	.03	1878	.01	10	.42	.01	.10	1	29	3300
DR 015595	12	33	14	192	.6	55	5	113	1.46	585	5	ND	3	103	1.7	322	4	110	.22	.041	10	17	.03	1958	.01	9	.37	.01	.10	1	156	3400
DR 015596	12	47	29	297	.9	68	9	242	2.52	1647	9	ND	6	190	6.1	487	3	132	.16	.072	23	22	.03	1348	.01	7	.52	.01	.10	2	730	4500
DR 015597	9	17	12	140	1.0	41	5	116	.81	232	5	ND	2	123	1.6	198	2	97	.13	.042	11	17	.03	2068	.01	10	.37	.01	.10	1	61	5600
DR 015598	19	21	29	186	1.3	41	5	94	1.32	182	7	ND	5	66	.9	142	2	80	.11	.029	20	14	.03	1192	.01	14	.41	.01	.14	1	51	7200
DR 015599	24	31	31	182	1.2	39	5	90	1.98	269	5	ND	6	47	.5	197	2	62	.16	.026	25	14	.06	923	.01	14	.40	.01	.13	1	73	5400
DR 015600	7	44	22	222	.5	52	9	398	2.71	2077	5	ND	5	383	3.3	179	2	55	2.11	.056	18	21	.83	138	.01	7	.49	.01	.12	1	590	2800
DR 015601	5	37	24	160	.6	32	9	501	3.19	3094	5	ND	7	430	3.4	139	2	38	2.57	.053	20	25	1.05	122	.01	8	.45	.01	.12	1	1250	1700
DR 015602	3	59	26	212	1.1	51	13	714	3.98	5256	5	2	7	387	3.4	3032	2	60	4.20	.052	17	56	1.87	105	.01	3	.48	.01	.08	1	3360	2700
DR 015603	3	62	24	174	1.2	51	12	783	3.70	4256	5	3	7	365	4.6	633	2	59	4.46	.044	16	55	1.96	93	.01	3	.41	.01	.07	1	3780	3600
DR 015604	2	34	28	131	.5	29	9	654	2.91	2235	5	ND	5	354	2.8	239	2	34	3.44	.034	18	27	1.44	95	.01	5	.40	.01	.10	1	1340	1800
DR 015605	2	26	21	134	.8	25	9	605	3.19	3125	5	ND	4	427	2.4	406	2	29	3.17	.022	15	21	1.39	74	.01	3	.35	.01	.09	1	1650	1700
DR 015606	11	90	29	457	3.0	78	6	529	1.79	229	6	ND	4	190	8.4	46	2	435	.62	.252	20	53	.13	1927	.01	8	.59	.01	.10	1	47	4000
DR 015607	22	141	41	358	4.0	90	5	673	1.15	101	5	ND	2	163	8.3	43	2	1263	.64	.253	19	107	.09	1868	.01	15	.59	.01	.14	1	26	8200
DR 015608	9	113	61	197	4.2	46	4	230	1.07	104	8	ND	3	226	6.2	131	2	531	.79	.340	16	98	.10	2027	.01	12	.50	.01	.10	1	40	5100
STANDARD C/AU-R	18	60	40	131	6.9	72	31	1052	3.96	42	17	7	38	53	18.6	15	22	56	.51	.100	38	60	.88	180	.07	35	1.90	.06	.13	13	500	1300

BCEL 90-106

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	Hg ppb
DR 015609	7	113	46	335	3.5	65	5	344	2.15	119	5	ND	3	388	6.4	59	2	292	1.68	.457	16	94	.59	544	.01	14	.78	.01	.13	1	23	5000
DR 015610	11	156	14	329	3.3	65	4	95	1.84	96	6	ND	2	459	11.3	33	2	432	3.00	1.376	17	147	.05	2827	.01	15	.73	.01	.13	1	13	4800
DR 015611	12	136	17	290	2.7	70	3	76	1.44	66	5	ND	1	435	11.4	20	2	338	2.98	1.326	17	143	.03	2214	.01	8	.64	.01	.12	1	9	6400
DR 015612	8	123	17	229	3.2	44	2	68	1.35	63	5	ND	1	523	10.0	18	3	259	3.29	1.527	18	131	.03	2418	.01	8	.64	.01	.13	1	8	5400
DR 015613	6	117	15	234	4.2	43	3	80	1.30	52	7	ND	1	591	11.1	15	2	231	3.57	1.701	21	142	.03	2781	.01	14	.66	.01	.14	2	4	5800
DR 015614	7	93	12	267	4.0	62	3	402	1.04	50	8	ND	1	749	14.6	17	2	196	7.32	3.983	17	135	.03	2538	.01	19	.76	.01	.15	1	3	5200
DR 015615	10	101	7	301	2.6	110	8	1295	1.10	44	5	ND	1	636	13.0	19	2	173	4.90	2.385	17	111	.03	2483	.01	13	.66	.01	.12	1	3	4500
DR 015616	8	128	16	383	2.8	98	12	283	1.34	51	5	ND	2	601	8.9	24	2	191	3.99	1.858	23	145	.04	2389	.01	21	.84	.01	.17	1	5	5600
DR 015617	23	125	11	431	1.8	95	8	264	1.49	57	6	ND	2	319	6.9	24	2	273	1.65	.728	15	68	.04	1662	.01	16	.67	.01	.14	1	7	5000
DR 015618	40	116	9	317	1.5	103	6	633	.94	32	9	ND	1	99	8.4	21	2	276	.43	.156	11	29	.03	957	.01	10	.34	.01	.09	1	7	4600
DR 015619	61	166	18	689	1.2	120	6	294	1.69	61	6	ND	3	126	8.4	50	2	530	.39	.155	20	35	.04	979	.01	14	.57	.01	.16	3	10	7600
DR 015620	5	33	46	419	.7	48	13	2067	4.67	1951	5	4	9	58	6.9	1122	2	65	.13	.047	34	23	.02	1258	.01	4	.58	.01	.09	1	4010	2400
DR 015621	5	18	29	548	.5	44	14	1675	4.59	1515	5	2	9	45	4.1	213	2	58	.08	.066	32	22	.02	872	.01	3	.55	.01	.09	1	2490	2900
DR 015622	3	16	40	329	.3	35	12	2027	4.94	2071	5	4	9	47	4.7	154	2	59	.12	.041	28	29	.02	1151	.01	5	.55	.01	.08	1	5620	3000
DR 015623	3	21	33	558	.6	43	11	1748	5.04	2773	5	7	10	50	5.9	2172	2	55	.15	.054	37	21	.02	1051	.01	4	.58	.01	.11	1	6230	2700
DR 015624	6	19	41	712	1.0	64	13	1772	5.64	2368	5	7	9	65	9.3	1087	2	103	.13	.081	35	24	.03	1175	.01	4	.61	.01	.10	1	6180	3200
DR 015625	5	16	36	696	.4	64	14	1259	3.89	1065	5	ND	8	65	6.8	691	2	87	.09	.064	32	23	.03	980	.01	4	.65	.01	.11	1	1180	3500
DR 015626	7	19	52	714	.2	46	10	1112	3.59	481	5	ND	8	44	5.9	388	2	43	.07	.058	34	11	.02	716	.01	5	.68	.01	.12	1	450	2100
DR 015627	5	14	68	349	.4	24	9	1304	3.43	228	5	ND	9	40	4.5	201	2	38	.08	.053	35	8	.02	868	.01	6	.57	.01	.13	1	220	2900
DR 015628	6	14	68	362	.6	32	9	1060	3.42	312	5	ND	11	49	5.6	183	2	51	.19	.100	42	11	.03	664	.01	8	.66	.01	.14	1	112	2500
DR 015629	7	12	73	487	.6	44	9	1487	3.37	280	5	ND	10	46	3.5	142	2	47	.12	.072	39	9	.03	736	.01	9	.64	.01	.14	1	128	2400
DR 015630	12	15	77	642	.5	41	10	1337	3.33	246	5	ND	10	50	2.6	108	2	44	.09	.066	37	9	.02	781	.01	6	.63	.01	.13	1	118	3000
DR 015631	31	97	44	761	1.5	98	7	453	2.80	347	6	ND	6	190	5.1	117	2	413	.41	.211	29	35	.04	2445	.01	11	.78	.01	.15	1	220	7300
DR 015632	26	81	19	483	1.4	90	7	494	1.59	155	8	ND	2	255	5.2	47	2	485	.29	.214	14	40	.02	2781	.01	6	.65	.01	.11	3	84	5600
DR 015633	44	47	13	561	.7	149	6	145	2.06	190	9	ND	2	60	5.7	49	4	411	.08	.051	13	22	.02	810	.01	7	.34	.01	.07	2	43	2700
DR 015634	21	56	24	1174	.3	164	18	806	4.62	357	5	ND	13	87	12.7	46	2	734	.15	.129	48	49	.02	1092	.01	5	.54	.01	.07	2	21	5000
DR 015635	25	126	23	621	.5	124	8	333	2.07	215	6	ND	4	132	6.8	51	3	1340	.26	.153	27	95	.05	1456	.01	5	.65	.01	.16	3	47	9500
DR 015636	9	78	40	754	.2	137	27	1256	5.62	237	5	ND	16	135	5.1	39	2	381	.08	.142	56	101	.03	2102	.01	2	.86	.01	.03	1	32	5800
DR 015637	20	130	17	563	2.2	134	5	465	1.75	154	6	ND	3	275	6.3	74	2	916	1.74	.690	26	104	.05	1446	.01	18	.73	.01	.18	1	69	7400
DR 015638	8	42	34	752	.5	105	9	782	3.35	127	5	ND	8	123	7.0	35	2	264	.37	.177	34	26	.03	927	.01	9	.68	.01	.13	1	32	3400
DR 015639	6	50	14	879	.4	117	10	513	3.18	140	5	ND	6	61	6.1	45	2	170	.14	.068	20	27	.04	824	.01	8	.53	.01	.14	1	12	1600
DR 015640	5	36	10	647	.1	93	9	527	3.06	84	5	ND	4	76	4.7	33	2	74	.99	.037	14	25	.53	575	.01	10	.42	.01	.13	1	10	780

ACME ANALY L LABORATORIES LTD. 852 E. HASTINGS ST. VAN VER B.C. V6A 1R6 PHONE(604)253-3158 FAX(60 53-1716

GEOCHEMICAL A LYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9008-057 File # 90-3420A

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5

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	Hg ppb
)15646 DR	37	175	11	541	3.2	80	4	56	1.66	98	7	ND	2	186	7.3	54	2	1472	.93	.359	22	94	.08	1278	.01	24	.73	.01	.18	2	18	11000
)15647 DR	25	110	32	739	1.9	82	6	109	2.77	201	6	ND	5	66	10.2	88	4	1101	.33	.142	23	51	.14	531	.03	9	.76	.01	.19	2	20	8600
)15648 DR	27	114	84	1048	2.6	114	9	199	3.82	285	5	ND	8	92	12.2	135	6	1275	.39	.180	38	59	.21	672	.04	9	1.10	.01	.31	1	62	3700
)15649 DR	23	139	45	1408	3.1	158	15	192	4.43	300	5	ND	11	128	12.4	135	2	1034	.69	.309	45	90	.37	708	.07	10	1.20	.01	.34	1	21	3500
)15650 DR	10	73	19	1343	.9	167	22	403	4.60	200	5	ND	17	106	11.3	93	2	293	.59	.301	59	79	.33	614	.07	3	1.01	.01	.25	1	18	2500
STANDARD C	20	62	42	134	7.1	72	32	1052	3.97	40	18	7	39	52	18.4	15	21	57	.52	.098	39	57	.89	182	.08	36	1.92	.06	.14	11	-	1300

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: P1 TO P3 ROCK P4 TO P5 CORE P6 TO P9 CUTTING AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.
HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: 15/8/90 **DATE REPORT MAILED:** Aug 21/90. **SIGNED BY** C. Leong ..D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

BQRC 90-108.

E ANALYT. ... LABORATORIES LTD. 852 E. HASTINGS ST. VANC ...C. V6A 1R6 PHONE(604)253-3158 FAX(60. .716

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9008-057 File # 90-3420A

P.O. Box 280, 1050 Davie, Vancouver BC V6B 3T5

#	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	Hg ppb
DR	37	175	11	541	3.2	80	4	56	1.66	98	7	ND	2	186	7.3	54	2	1472	.93	.359	22	94	.08	1278	.01	24	.73	.01	.18	2	18	11000
DR	25	110	32	739	1.9	82	6	109	2.77	201	6	ND	5	66	10.2	88	4	1101	.33	.142	23	51	.14	531	.03	9	.76	.01	.19	2	20	6600
DR	27	114	84	1048	2.6	114	9	199	4.82	285	5	ND	8	92	12.2	135	6	1275	.39	.180	38	59	.21	672	.04	9	1.10	.01	.31	1	62	3700
DR	23	139	45	1408	3.1	158	15	192	4.43	300	5	ND	11	128	12.4	135	2	1034	.69	.309	45	98	.57	708	.07	10	1.20	.01	.34	1	21	3500
DR	10	73	19	1343	.9	167	22	403	4.60	200	5	ND	17	106	11.3	93	2	293	.59	.301	59	79	.33	614	.07	3	1.01	.01	.25	1	18	2500
RD C	28	62	42	134	7.1	72	32	1052	3.97	40	18	7	39	52	18.4	15	21	57	.52	.098	39	57	.89	182	.08	36	1.92	.06	.14	11	-	1300

* ANA

Noranda Exploration Co. Ltd. PROJECT 9008-057 FILE # 90-3420

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	Hg ppb
015641 DR	7	40	36	162	2.8	31	3	151	1.50	267	5	ND	2	188	2.1	588	4	94	.23	.130	12	31	.04	1050	.01	9	.39	.01	.12	1	102	2200
015642 DR	10	145	21	188	3.6	35	2	62	1.46	117	5	ND	1	246	3.1	82	3	451	2.43	1.035	14	117	.06	1359	.01	20	.71	.01	.16	1	24	5600
015643 DR	15	158	128	476	6.4	63	4	127	2.17	210	5	ND	3	196	4.9	9387	2	263	1.65	.700	19	81	.08	425	.01	21	.87	.01	.22	1	28	4200
015644 DR	13	110	43	795	4.5	113	15	292	4.33	227	5	ND	3	195	6.3	163	2	178	.42	.275	18	54	.06	2032	.01	13	.84	.01	.18	2	26	3200
015645 DR	9	109	19	412	2.0	66	5	123	1.57	97	5	ND	2	376	4.4	66	2	162	2.19	.973	18	85	.04	2314	.01	16	.73	.01	.12	1	9	4000
015651 DR	14	100	37	1106	1.2	132	16	393	3.91	261	5	ND	13	216	11.0	444	2	394	1.60	.723	51	99	.11	961	.02	16	1.01	.01	.16	2	42	3800
015652 DR	14	139	15	356	3.8	62	2	33	1.04	88	6	ND	2	470	6.6	51	5	793	3.79	1.627	22	167	.07	1456	.01	15	.78	.01	.19	1	5	5700
015653 DR	23	178	13	434	4.3	75	3	34	1.16	82	9	ND	3	452	6.6	40	4	1806	3.33	1.359	24	169	.10	1375	.01	23	1.07	.01	.25	1	5	7700
015654 DR	33	123	25	513	2.4	89	4	48	1.24	66	5	ND	3	226	5.5	136	2	868	1.26	.478	20	85	.06	1406	.01	18	.76	.01	.17	2	10	6400
015655 DR	41	78	18	461	.8	71	3	32	1.06	45	5	ND	2	57	2.6	39	4	381	.21	.082	16	31	.03	668	.01	8	.32	.01	.09	1	4	4200
015656 DR	36	47	14	372	.5	74	5	357	.97	43	5	ND	2	44	1.8	104	2	232	.12	.047	13	25	.02	577	.01	8	.25	.01	.06	1	6	2800
015657 DR	63	57	27	577	.8	105	5	131	1.63	66	5	ND	2	55	2.3	48	2	215	.15	.058	13	30	.02	582	.01	13	.29	.01	.07	3	8	3000
015658 DR	60	54	35	525	.8	92	5	424	1.55	57	5	ND	3	52	2.5	55	2	153	.10	.044	16	25	.02	577	.01	7	.30	.01	.07	2	7	2200
015659 DR	55	37	20	474	.7	108	4	1241	1.14	46	5	ND	2	59	6.5	29	2	114	.11	.036	13	20	.02	661	.01	8	.22	.01	.05	2	5	1900
015660 DR	21	47	26	977	.5	116	13	1010	2.42	89	5	ND	7	86	7.1	42	4	127	.14	.077	27	30	.04	612	.01	14	.46	.01	.12	2	2	1600
015661 DR	16	34	33	1264	.2	135	13	1173	3.23	117	5	ND	12	84	8.8	44	2	150	.30	.152	42	24	.04	506	.01	10	.61	.01	.13	3	4	1700
015662 DR	13	51	22	1209	.1	124	12	691	3.25	105	5	ND	8	82	8.4	44	2	100	.18	.103	27	25	.05	548	.01	10	.55	.01	.15	1	1	750
015663 DR	6	44	16	542	.3	60	7	120	1.52	27	5	ND	4	81	4.1	22	2	25	.11	.048	13	19	.03	424	.01	9	.35	.01	.11	1	5	370
015664 DR	8	55	15	854	.1	85	7	209	2.32	36	5	ND	6	102	5.6	29	2	39	.14	.076	18	27	.04	612	.01	13	.47	.01	.15	1	7	350

BC RC 90-108

MPLE#	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	Hg ppb
R 015665	8	38	63	376	2.1	50	7	501	2.84	922	5	ND	4	177	4.5	1793	2	69	.16	.117	18	22	.02	1432	.01	8	.46	.01	.09	1	480	2400
R 015666	11	100	38	319	3.1	69	5	251	1.92	366	8	ND	1	388	4.4	1039	2	264	1.11	.522	14	62	.03	2662	.01	21	.60	.01	.11	1	150	5400
R 015667	12	169	45	355	2.0	67	4	143	1.96	394	7	ND	2	337	4.2	269	3	796	1.67	.731	23	90	.06	1959	.01	17	.74	.01	.22	1	98	8000
R 015668	7	32	35	414	1.5	55	8	474	3.46	896	5	ND	9	109	5.8	963	2	85	.25	.148	33	14	.02	988	.01	7	.56	.01	.11	1	780	2600
R 015669	5	15	39	307	.6	43	7	882	3.29	879	5	ND	10	47	4.9	613	3	41	.18	.098	34	7	.03	690	.01	6	.47	.01	.11	1	820	1800
R 015670	10	67	38	323	1.7	48	5	254	2.28	328	5	ND	5	320	4.7	256	2	232	.83	.394	24	55	.03	1867	.01	10	.73	.01	.16	1	86	4500
R 015671	7	120	21	273	4.0	50	6	56	1.69	169	5	ND	3	492	5.4	141	2	287	2.11	.917	22	92	.07	2616	.01	26	1.00	.01	.26	1	38	5400
R 015672	6	173	18	275	3.6	58	5	31	1.22	106	5	ND	2	651	4.8	95	4	475	3.07	1.510	19	144	.03	4771	.01	16	.97	.01	.15	1	24	9500
R 015673	17	152	15	299	2.5	55	3	30	.95	60	5	ND	2	377	3.7	61	4	631	1.76	.793	17	86	.04	2216	.01	13	.70	.01	.15	1	15	8600
R 015674	42	85	17	556	1.3	91	3	49	1.50	77	5	ND	3	68	3.4	70	3	273	.19	.053	19	49	.02	574	.01	7	.31	.01	.08	1	25	5400
R 015675	51	70	20	606	1.3	112	4	70	1.72	95	5	ND	3	66	3.6	63	4	273	.17	.051	17	27	.02	628	.01	5	.29	.01	.08	1	25	3100
R 015676	58	65	11	666	1.0	131	5	127	1.85	124	11	ND	3	66	4.8	55	2	281	.13	.042	19	46	.02	746	.01	6	.26	.01	.07	1	18	2600
R 015677	52	79	28	774	1.1	110	4	107	2.15	189	9	ND	3	50	5.1	71	2	279	.09	.052	17	19	.02	564	.01	4	.29	.01	.08	1	12	2800
R 015678	14	66	12	1527	.6	178	21	776	5.42	201	5	ND	19	64	9.3	92	2	196	.47	.255	66	82	.20	414	.01	2	.81	.01	.17	1	12	2000
R 015679	16	78	38	2067	1.3	297	24	3400	6.20	230	5	ND	19	105	23.6	105	2	269	.40	.284	69	92	.03	1328	.01	2	.83	.01	.04	1	8	3500
R 015680	28	78	47	923	3.5	127	13	1553	3.06	197	5	ND	8	62	11.4	75	2	269	.11	.090	35	30	.03	648	.01	4	.52	.01	.11	1	23	4600
R 015681	9	28	153	1020	6.3	107	11	1415	3.98	184	5	ND	13	61	11.3	59	4	101	.17	.134	50	15	.02	667	.01	3	.56	.01	.11	1	16	2800
R 015682	10	31	52	1015	2.9	120	12	1255	3.74	258	5	ND	12	58	19.0	62	5	125	.10	.103	40	18	.02	562	.01	3	.59	.01	.10	1	13	3500
R 015683	58	142	43	1041	2.6	158	8	553	2.34	178	10	ND	4	84	12.3	74	2	596	.16	.070	22	41	.05	752	.01	10	.50	.01	.13	2	12	4400
R 015684	55	76	28	516	1.9	115	5	148	1.46	64	9	ND	3	49	4.8	33	2	196	.09	.036	12	46	.01	484	.01	7	.28	.01	.06	1	10	3300
R 015685	21	69	42	937	1.8	105	9	157	2.78	92	5	ND	6	98	6.5	42	2	158	.10	.077	22	26	.03	515	.01	7	.46	.01	.11	1	14	2200
R 015686	9	52	50	746	2.2	71	7	86	4.32	82	5	ND	10	133	6.5	32	2	162	.06	.111	37	35	.03	1156	.01	11	.62	.01	.20	1	8	1100
R 015687	17	61	20	664	1.8	89	7	275	2.97	76	5	ND	8	72	5.8	36	2	157	.11	.072	26	32	.03	586	.01	10	.51	.01	.15	1	12	1700
R 015688	8	44	19	416	2.2	51	7	61	2.83	44	5	ND	7	67	3.9	19	2	81	.08	.066	27	28	.03	585	.01	16	.52	.01	.18	1	10	1800

BCAC90-109

BCRC 90-110

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	Hg ppb
015689 DR	5	17	27	246	.5	34	12	1360	3.85	1187	5	ND	11	56	2.2	117	2	31	.10	.049	38	13	.04	800	.01	6	.50	.01	.12	1	350	2800
015690 DR	9	20	34	357	.6	48	13	1026	3.61	1190	5	ND	9	121	2.8	166	2	79	.14	.097	32	19	.03	1478	.01	10	.63	.01	.11	1	920	3700
015691 DR	12	43	24	327	1.1	60	8	616	2.33	603	5	ND	5	307	3.4	113	3	184	.53	.283	22	34	.04	2614	.01	16	.84	.01	.15	1	470	4600
015692 DR	7	44	19	119	1.9	26	3	102	.75	168	5	ND	2	390	2.5	40	2	279	.86	.358	11	34	.04	2036	.01	22	.68	.01	.15	1	67	5100
015693 DR	7	36	19	78	1.7	22	2	58	.56	82	5	ND	1	301	1.8	27	2	279	1.15	.446	11	34	.04	1300	.01	25	.54	.01	.14	1	46	5800
015694 DR	9	40	34	250	1.6	37	6	309	2.11	463	5	ND	4	286	4.4	91	2	196	.39	.181	19	23	.03	1216	.01	15	.60	.01	.10	2	230	6500
015695 DR	7	14	66	289	.8	44	9	547	3.48	784	5	ND	10	63	3.0	104	2	32	.11	.061	30	11	.04	532	.01	9	.54	.01	.12	1	97	2200
015696 DR	7	14	49	263	.5	39	8	420	3.99	790	5	ND	9	55	2.5	141	2	41	.10	.064	30	7	.03	526	.01	9	.53	.01	.11	2	128	1900
015697 DR	12	25	98	477	2.3	86	10	1047	5.39	609	5	ND	10	167	4.0	230	5	89	.14	.161	31	20	.03	1872	.01	9	.74	.01	.06	1	300	3100
015698 DR	12	100	27	449	2.2	125	8	1203	2.41	300	5	ND	3	821	4.8	146	2	244	1.89	1.065	22	122	.03	6336	.01	15	1.11	.01	.10	1	94	5800
015699 DR	7	86	17	236	2.3	52	3	151	1.18	175	5	ND	1	651	2.2	86	2	181	1.64	.734	14	93	.02	2080	.01	14	.61	.01	.07	1	42	4300
015700 DR	36	190	24	534	3.9	128	6	153	2.55	383	7	ND	4	546	6.0	223	2	1529	3.08	1.314	26	151	.07	2004	.01	27	1.28	.01	.22	2	32	8600
015701 DR	38	152	14	445	2.2	102	3	80	1.48	123	5	ND	3	253	4.5	97	2	1216	.82	.296	16	84	.05	957	.01	18	.65	.01	.14	1	27	11000
015702 DR	35	121	33	645	2.0	117	6	103	2.64	290	5	ND	6	126	10.1	137	2	532	.28	.118	23	37	.04	814	.01	13	.64	.01	.14	1	31	10400
015703 DR	11	44	39	547	.8	78	9	137	3.69	344	5	ND	11	81	8.9	100	2	201	.15	.104	37	19	.03	584	.01	13	.67	.01	.13	1	37	6500
015704 DR	15	94	39	1476	.9	286	34	2081	5.65	329	5	ND	22	181	16.3	188	2	348	.23	.264	65	95	.03	1733	.01	8	1.17	.01	.03	2	35	3500
015705 DR	9	67	21	3086	.2	362	36	1172	5.96	171	5	ND	20	92	10.9	151	2	229	.74	.260	68	141	1.77	837	.24	6	2.45	.01	.39	1	11	1500
STANDARD C/AU-R	19	57	39	131	6.9	72	32	1050	3.96	37	17	7	38	53	18.6	15	20	56	.51	.094	38	59	.92	182	.07	32	1.92	.06	.14	12	530	1400

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	Hg ppb
015706 DR	10	27	49	1127	.4	126	12	1037	3.32	211	5	ND	10	56	14.7	119	2	152	.36	.157	40	23	.12	490	.01	4	.84	.01	.14	1	25	2800
015707 DR	7	30	48	1126	.3	113	12	489	3.68	212	5	ND	8	72	16.1	83	2	178	.13	.109	28	24	.02	639	.01	8	.68	.01	.10	2	14	3800
015708 DR	49	119	24	1172	1.5	165	7	469	2.30	149	5	ND	4	62	18.4	89	2	403	.12	.065	21	33	.03	699	.01	7	.58	.01	.10	2	34	5500
015709 DR	44	127	12	1198	2.0	171	5	523	1.85	121	5	ND	3	87	22.2	87	2	499	.19	.100	16	40	.03	978	.01	10	.50	.01	.10	2	35	5400
015710 DR	70	136	11	1489	1.2	222	7	1144	1.90	113	5	ND	3	60	29.4	97	2	643	.16	.056	18	51	.04	745	.01	13	.54	.01	.12	1	19	4100
015711 DR	56	131	18	1255	.9	177	6	522	1.70	123	6	ND	3	88	22.3	82	2	744	.25	.084	21	39	.05	791	.01	12	.60	.01	.12	1	29	6500
015712 DR	50	106	14	893	.8	138	4	239	1.25	72	8	ND	2	46	13.7	44	2	486	.13	.037	13	26	.02	440	.01	7	.38	.01	.08	1	6	8300
015714 DR	11	47	41	515	1.4	76	11	1602	4.91	1648	5	ND	7	73	6.6	196	2	137	.22	.092	31	18	.04	914	.01	3	.52	.01	.09	1	1300	5600
015715 DR	4	16	32	171	1.2	31	11	2574	6.06	2837	5	5	10	57	2.3	84	2	77	.25	.049	34	18	.03	1068	.01	2	.63	.01	.07	1	6960	3200
015716 DR	3	16	36	255	.6	38	13	1698	4.65	1501	5	ND	9	45	2.8	81	2	54	1.15	.041	25	22	.04	647	.01	5	.53	.01	.07	1	1940	2600
015717 DR	9	27	26	278	.5	43	11	1597	4.35	1364	5	ND	7	60	3.2	55	2	107	3.02	.031	20	21	.14	586	.01	3	.46	.01	.07	1	1970	3100
015718 DR	5	17	47	264	.6	39	11	1892	4.95	1195	5	ND	10	49	3.1	143	4	52	.61	.049	28	20	.06	636	.01	3	.58	.01	.08	1	1400	3600
015719 DR	5	14	31	286	.7	35	9	2045	5.29	1028	5	ND	7	66	1.9	169	2	51	3.65	.067	24	16	.07	899	.01	2	.52	.01	.09	1	980	2800
015720 DR	6	15	45	339	.5	52	11	1875	4.57	820	5	ND	9	50	4.4	185	3	66	.51	.061	26	22	.04	645	.01	3	.60	.01	.08	1	580	2900
015721 DR	6	13	35	381	.4	51	13	2139	4.71	834	5	ND	9	52	3.0	163	2	58	.18	.061	29	22	.03	760	.01	4	.56	.01	.08	2	530	2100
015722 DR	8	14	39	389	.8	52	15	2748	4.76	1311	5	ND	8	55	4.6	185	2	54	.19	.065	33	17	.04	841	.01	6	.58	.01	.10	1	560	2800
015723 DR	9	16	39	273	.5	41	13	1937	4.85	1059	5	ND	9	51	2.1	121	2	37	.18	.053	35	9	.04	649	.01	8	.57	.01	.11	2	450	4000
015724 DR	10	29	70	278	.8	39	10	1644	4.52	738	5	ND	7	103	2.7	91	2	54	.24	.103	31	11	.05	1136	.01	8	.66	.01	.12	2	400	2600
015725 DR	6	11	61	220	.8	26	8	1992	4.84	960	5	ND	6	143	1.3	69	2	34	4.02	.037	22	13	1.20	534	.01	10	.50	.01	.10	1	690	2500
015726 DR	3	10	25	152	.4	17	7	1618	4.29	657	5	ND	7	158	1.7	53	2	37	5.86	.034	19	17	1.36	445	.01	4	.54	.01	.10	1	1010	1800
015727 DR	3	18	41	278	.7	39	8	1300	4.36	859	5	ND	7	115	2.6	64	2	47	2.16	.065	23	7	.18	809	.01	6	.58	.01	.10	1	570	3000
015728 DR	8	79	44	609	3.8	150	13	727	3.14	283	5	ND	4	430	6.4	64	2	128	.65	.394	19	62	.05	4193	.01	19	.95	.01	.12	1	116	3300
015729 DR	14	184	28	506	5.4	148	6	202	1.62	105	5	ND	3	639	13.0	44	2	1010	2.98	1.384	22	161	.07	5012	.01	20	1.30	.01	.16	2	39	7600
015730 DR	20	212	15	569	3.7	201	9	431	1.58	139	6	ND	2	766	8.4	88	2	877	3.71	1.666	22	154	.06	5420	.01	17	1.29	.01	.13	1	65	10800
015731 DR	9	151	29	504	2.4	169	10	650	2.52	225	5	ND	5	535	6.3	48	2	223	2.25	.974	25	86	.09	3964	.01	16	1.26	.01	.13	1	64	5700
015732 DR	7	174	15	361	2.4	130	7	448	2.14	187	5	ND	5	594	6.2	40	2	199	2.58	.974	23	74	.18	2264	.01	22	1.00	.01	.15	1	38	7000
015733 DR	10	103	62	952	1.2	124	24	2710	5.95	398	5	ND	19	128	20.4	74	4	264	.91	.291	65	74	.09	999	.01	7	.71	.01	.09	1	38	4300
015734 DR	12	108	49	1570	1.9	165	20	2232	4.78	335	5	ND	15	141	25.8	84	2	476	.43	.221	48	69	.06	1513	.01	7	.80	.01	.09	1	67	8800
015735 DR	52	92	10	814	1.1	156	6	411	1.64	125	6	ND	3	76	17.7	54	2	476	.21	.068	16	39	.04	730	.01	10	.40	.01	.09	1	42	10600
015736 DR	55	69	15	1022	.7	205	9	422	1.84	115	5	ND	4	118	15.6	62	2	403	.54	.123	19	53	.13	967	.01	14	.46	.01	.09	1	39	5100
015737 DR	70	82	11	976	.8	221	8	343	1.84	116	6	ND	4	157	10.5	39	2	397	.61	.180	24	40	.08	1029	.01	14	.55	.01	.11	1	28	4000
015739 DR	9	35	103	417	2.1	49	13	2054	6.16	2179	5	ND	13	70	6.4	183	2	87	.19	.080	46	16	.05	1059	.01	6	.60	.01	.10	1	1760	3500
015740 DR	6	51	27	297	.9	68	13	946	3.79	958	5	ND	8	86	1.4	97	2	47	.38	.068	35	25	.04	1101	.01	10	.71	.01	.12	1	430	3800
015741 DR	4	20	27	261	.3	38	14	1105	4.09	740	5	ND	7	63	1.7	81	2	40	1.25	.037	26	25	.09	954	.01	6	.64	.01	.09	1	240	5800
015742 DR	8	27	145	520	2.3	62	14	1570	5.06	1074	5	ND	14	50	5.6	164	2	73	.47	.113	45	16	.05	669	.01	6	.67	.01	.09	1	1390	4600
015743 DR	7	19	77	420	1.3	44	13	1546	4.70	1312	5	ND	13	51	4.1	182	2	50	.18	.064	40	11	.04	749	.01	6	.63	.01	.10	1	1040	3400
STANDARD C/AU-R	18	62	37	133	7.3	69	32	1048	3.99	41	17	7	37	52	18.6	16	19	56	.51	.100	38	61	.87	179	.07	36	1.85	.06	.14	14	480	1600

BCRC 90-111

BCRC 90-112

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	Hg ppb
015744 DR	8	18	65	461	1.3	53	14	1507	5.55	1551	5	2	13	50	49	172	5	49	.21	.060	46	19	.05	696	.01	2	.63	.01	.12	1	1030	3800
015745 DR	6	17	84	308	1.8	35	12	1461	4.99	1245	5	2	11	58	35	112	2	44	.22	.060	42	17	.04	732	.01	2	.68	.01	.12	1	1050	4400
015746 DR	12	15	83	696	1.2	88	23	6423	4.83	1380	5	2	10	68	75	286	3	65	.19	.067	32	26	.03	1884	.01	2	.63	.01	.09	1	1250	3100
015747 DR	9	16	75	494	.9	66	17	1856	4.43	601	9	ND	9	60	32	118	5	62	.14	.058	28	32	.03	897	.01	3	.61	.01	.07	1	320	2600
015748 DR	7	18	49	337	.5	45	15	1554	4.81	553	5	ND	10	61	32	73	2	65	.79	.050	28	34	.04	866	.01	2	.67	.01	.06	1	410	2400
015749 DR	6	10	62	272	.3	44	15	1221	4.14	360	5	ND	12	76	13	65	5	67	.17	.074	41	39	.03	1150	.01	2	.71	.01	.06	1	240	1600
015750 DR	6	5	49	420	.1	53	12	1506	3.90	234	6	ND	10	64	22	70	4	72	.24	.110	38	45	.03	889	.01	2	.62	.01	.06	1	67	870
015751 DR	10	6	37	503	.1	78	16	2535	4.29	651	5	ND	8	61	52	105	5	63	.19	.075	32	29	.03	924	.01	2	.56	.01	.08	1	740	1800
015752 DR	10	15	44	660	.2	88	15	1720	4.15	641	5	ND	7	48	53	99	2	45	.25	.098	36	20	.04	624	.01	2	.69	.01	.12	1	230	3100
015753 DR	8	8	44	440	.1	84	14	2300	3.57	316	5	ND	9	39	42	53	2	46	.26	.062	37	8	.03	663	.01	3	.55	.01	.12	1	54	1700
015754 DR	7	7	41	347	.2	65	14	1072	3.36	1130	5	ND	8	42	43	55	7	65	.13	.046	34	7	.02	601	.01	4	.58	.01	.13	1	158	1600
015755 DR	8	11	46	392	.4	60	8	305	3.84	1219	5	ND	8	52	81	60	6	96	.14	.055	35	10	.02	478	.01	3	.54	.01	.12	1	310	1800
015756 DR	13	65	36	582	1.9	115	7	162	2.89	480	15	ND	3	520	53	204	4	164	.90	.457	20	61	.03	3025	.01	8	1.04	.01	.13	2	122	4800
015757 DR	13	111	22	420	2.6	135	6	244	1.79	234	23	ND	2	653	33	61	3	230	2.96	1.261	20	123	.03	4850	.01	6	.96	.01	.10	2	44	5800
015758 DR	9	108	8	300	3.2	99	3	57	1.14	132	9	ND	1	775	23	34	2	210	2.76	1.206	16	129	.02	4985	.01	4	.79	.01	.07	1	19	5000
015759 DR	8	177	20	704	4.4	221	10	209	2.69	281	19	ND	3	732	43	95	2	202	1.05	.608	17	147	.03	4711	.01	10	1.18	.01	.08	2	60	6100
015760 DR	16	150	24	545	5.2	165	7	104	1.97	178	11	ND	2	629	57	73	2	443	1.84	.852	18	152	.03	4440	.01	12	1.03	.01	.11	1	35	8600
015761 DR	12	75	33	801	.7	200	26	1574	5.06	271	12	ND	16	205	25.2	48	9	214	.62	.343	66	74	.04	1641	.01	5	.97	.01	.10	1	21	5000
015762 DR	10	95	28	527	1.0	109	18	927	3.57	110	7	ND	11	202	14.	31	2	129	.63	.349	46	73	.03	1486	.01	8	.74	.01	.06	1	12	4900
015764 DR	12	34	100	480	1.4	66	12	1277	4.54	458	8	ND	13	115	14.	234	5	90	.45	.157	42	28	.07	1357	.01	4	.70	.01	.13	1	520	4600
015765 DR	9	13	38	318	.3	43	13	1350	4.05	277	7	ND	14	48	3.	72	2	40	.29	.117	51	15	.04	792	.01	8	.70	.01	.12	1	44	2200
015766 DR	8	18	46	285	.4	40	13	1050	4.47	241	5	ND	13	32	2.	197	2	34	.42	.122	52	11	.17	641	.01	2	1.11	.01	.16	1	41	1900
015767 DR	12	69	47	376	1.4	72	9	463	3.12	196	5	ND	7	342	2.	69	7	123	.84	.327	36	36	.09	1717	.01	14	.99	.01	.16	1	64	1800
015768 DR	8	44	49	328	1.3	55	7	594	2.28	210	5	ND	4	92	3.	71	2	65	.29	.118	20	21	.05	1033	.01	6	.47	.01	.09	1	56	1800
015769 DR	6	19	48	499	.6	48	14	1132	4.28	162	11	ND	14	70	7.	53	3	67	.39	.117	48	24	.05	814	.01	2	.78	.01	.10	2	21	3300
015770 DR	7	20	99	450	2.0	35	13	1021	4.56	143	12	ND	14	70	5.	56	2	41	.31	.087	49	18	.04	819	.01	2	.60	.01	.11	1	21	3500
015771 DR	7	23	58	567	1.4	51	12	905	4.10	214	5	ND	11	56	4.	56	9	44	.20	.082	36	21	.03	629	.01	2	.59	.01	.09	1	51	3300
015772 DR	7	37	58	543	1.9	80	10	1714	3.14	317	7	ND	3	39	6.	74	3	36	.11	.048	16	27	.02	694	.01	2	.47	.01	.07	1	47	1800
015773 DR	4	12	33	443	.4	66	16	981	3.76	109	7	ND	11	61	3.	30	5	71	1.28	.112	40	47	.84	453	.01	2	1.64	.02	.15	1	20	1100
015774 DR	3	17	31	269	.3	37	13	768	3.61	68	6	ND	11	86	1.	20	2	96	1.38	.108	37	59	1.27	531	.08	2	1.76	.03	.30	1	28	660
015775 DR	4	17	38	351	.5	48	16	941	3.72	82	5	ND	12	48	3.	28	7	88	.87	.113	42	54	.93	427	.04	2	1.54	.02	.18	2	27	780
015776 DR	4	14	47	254	.3	31	11	806	3.70	55	14	ND	11	65	1.	17	9	66	2.29	.102	38	33	.22	642	.01	2	.68	.01	.04	2	21	1200
015777 DR	5	14	42	358	.4	45	12	952	3.22	69	9	ND	11	48	2.	21	5	55	1.87	.119	40	30	.10	417	.01	2	.71	.01	.10	1	27	820
015778 DR	6	7	47	415	.1	49	14	1348	3.93	145	5	ND	10	58	4.	29	10	33	.97	.085	43	16	.05	663	.01	2	.58	.01	.12	1	34	1400
015779 DR	5	26	37	170	.8	42	9	784	2.44	162	5	ND	3	31	2.	23	7	21	.31	.024	16	14	.03	396	.01	3	.31	.01	.08	1	28	930
015780 DR	3	21	28	152	1.2	40	4	403	1.21	62	5	ND	1	50	2.	16	5	17	1.80	.012	7	12	.97	228	.01	5	.17	.01	.05	1	15	390
STANDARD C/AU-R	19	57	41	132	7.1	69	31	1051	3.97	42	25	6	37	52	18.	14	17	55	.51	.094	38	59	.89	181	.07	34	1.88	.06	.14	11	550	1600

BCRC 90-113

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	Hg ppb
015781 DR	6	97	19	469	3.9	122	10	320	2.08	58	5	ND	4	109	3.6	28	2	45	.42	.127	19	38	.09	928	.01	12	.47	.01	.12	1	28	2500
015782 DR	10	133	30	368	4.3	110	7	270	1.57	67	5	ND	3	393	4.5	47	5	320	1.36	.566	17	91	.06	2632	.01	24	.68	.01	.15	1	15	3000
015783 DR	8	53	77	377	1.4	93	10	964	3.10	125	5	ND	8	151	5.6	27	2	88	.38	.183	33	21	.04	1217	.01	14	.70	.01	.14	1	12	2900
015784 DR	5	18	94	305	.7	29	9	1358	3.73	153	5	ND	9	61	4.0	26	2	30	.11	.052	33	8	.04	732	.01	6	.47	.01	.11	1	25	2200
015785 DR	4	20	69	257	.7	20	9	1008	3.62	272	5	ND	9	58	2.6	18	4	18	.59	.056	30	4	.05	508	.01	12	.49	.01	.12	1	38	1400
015786 DR	20	138	28	344	2.9	98	5	302	1.78	87	5	ND	4	327	6.1	31	2	708	1.46	.617	24	87	.05	2744	.01	23	.82	.01	.14	1	13	7800
015787 DR	10	116	16	453	2.8	106	6	89	1.10	40	5	ND	1	579	11.8	22	2	371	2.69	1.338	17	126	.03	4691	.01	16	.67	.01	.07	1	4	5500
STANDARD C/AU-R	19	63	37	132	7.6	73	32	1054	3.98	37	17	6	36	53	18.4	15	22	56	.52	.094	37	61	.86	180	.07	35	1.89	.06	.14	11	540	1300

GEOCHEMICAL . YSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9008-089 File # 90-3731 Page 1

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5

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	Hg ppb
015788 DR	11	136	40	531	3.3	85	18	408	4.80	187	5	ND	2	310	8.1	48	2	338	.87	.650	21	62	.08	1612	.01	11	.93	.01	.22	2	26	3800
015789 DR	12	117	19	389	2.8	113	19	379	4.54	92	5	ND	2	249	5.0	24	2	227	1.90	.799	26	50	.08	1177	.01	18	1.02	.01	.30	3	9	1400
015790 DR	11	141	50	733	3.3	145	12	426	4.04	158	5	ND	7	255	9.5	28	2	150	1.80	.763	37	54	.07	1500	.01	14	1.11	.01	.24	1	14	2000
015791 DR	12	112	55	1057	2.3	161	20	547	5.72	279	8	ND	13	321	12.0	39	3	143	1.49	.765	54	82	.05	2654	.01	5	1.17	.01	.14	1	12	2500
015792 DR	10	93	46	981	1.6	136	22	581	5.12	214	5	ND	15	199	9.0	40	2	165	.74	.424	60	70	.05	1735	.01	6	.81	.01	.12	1	8	3200
015793 DR	10	66	41	1025	1.2	117	20	896	5.62	256	5	ND	17	107	10.9	33	2	97	.36	.256	59	53	.04	1082	.01	4	.63	.01	.12	1	8	2800
015794 DR	20	124	57	1065	1.8	124	16	690	4.46	255	5	ND	11	236	10.3	44	2	438	1.20	.563	49	97	.06	1860	.01	11	.91	.01	.13	1	18	4300
015795 DR	27	188	30	609	3.6	104	6	151	2.05	120	6	ND	4	174	6.4	37	2	1416	.87	.327	26	103	.08	1979	.01	10	.70	.01	.17	2	14	8900
015796 DR	27	131	18	309	2.4	61	5	91	1.25	56	5	ND	2	209	3.6	22	2	524	.69	.283	16	71	.05	2148	.01	3	.51	.01	.10	3	9	5400
015797 DR	28	98	26	537	1.9	88	27	656	1.93	90	5	ND	5	123	5.0	30	2	259	.35	.170	22	43	.04	1415	.01	5	.50	.01	.12	2	14	3500
015798 DR	9	81	17	685	1.3	92	12	661	2.32	111	5	ND	8	108	6.2	31	3	262	.33	.171	29	45	.06	1128	.01	11	.65	.01	.20	2	9	2600
015799 DR	7	68	23	909	.7	106	16	601	2.86	141	5	ND	9	89	6.5	29	3	203	.18	.129	34	38	.05	945	.01	12	.62	.01	.20	1	8	1200
015800 DR	7	65	20	976	.6	106	17	760	2.94	142	5	ND	8	63	6.7	32	2	183	.09	.092	29	38	.05	935	.01	12	.63	.01	.20	1	6	1100
015801 DR	11	77	29	888	1.1	126	20	1012	2.83	118	5	ND	8	88	7.0	33	2	205	.20	.126	31	41	.05	1156	.01	11	.65	.01	.18	1	11	2100
015802 DR	6	52	15	644	.7	90	11	338	2.31	74	5	ND	9	53	3.5	24	2	92	.16	.083	33	37	.05	568	.01	10	.54	.01	.19	1	6	1400
015803 DR	5	55	14	911	.6	108	14	549	2.84	101	5	ND	9	49	4.8	28	2	109	.13	.086	36	39	.06	614	.01	11	.60	.01	.20	1	7	1700
015804 DR	6	48	19	689	1.0	78	9	339	1.83	67	5	ND	6	41	4.3	17	2	75	.09	.051	22	32	.04	604	.01	13	.47	.01	.14	1	6	1300
015805 DR	8	58	16	810	1.1	97	12	546	2.11	71	5	ND	7	59	4.3	23	2	79	.12	.064	28	32	.04	737	.01	10	.49	.01	.14	1	7	1500
015806 DR	11	60	36	881	1.5	116	15	1200	2.32	83	5	ND	7	66	5.8	25	2	84	.12	.071	31	32	.04	977	.01	9	.54	.01	.15	1	8	2200
015807 DR	9	58	42	915	1.1	106	12	379	2.55	99	5	ND	8	71	4.9	28	4	75	.11	.073	33	33	.04	888	.01	7	.46	.01	.13	1	8	2000
015808 DR	9	54	28	877	.7	97	10	376	2.26	82	5	ND	7	64	3.7	22	2	60	.11	.063	27	31	.05	829	.01	11	.51	.01	.15	1	8	1400
015809 DR	13	44	30	968	1.4	117	10	1700	2.32	119	5	ND	4	49	7.1	19	2	77	.09	.066	17	21	.03	711	.01	4	.36	.01	.11	1	7	1200
015810 DR	12	51	37	1332	1.0	116	12	408	3.77	121	5	ND	9	56	5.5	26	2	73	.07	.077	30	27	.04	602	.01	10	.51	.01	.16	1	7	1500
015811 DR	15	55	35	1276	1.1	120	12	412	3.90	126	5	ND	10	50	4.8	29	2	73	.07	.066	32	28	.05	368	.01	7	.49	.01	.18	1	12	1050
015812 DR	16	109	38	236	2.1	49	5	544	1.93	353	6	ND	3	481	2.5	195	2	483	1.76	.762	24	91	.06	2364	.01	21	.97	.01	.21	2	161	3300
015813 DR	17	186	37	321	3.5	54	4	158	1.91	204	13	ND	3	780	3.8	78	2	605	3.24	1.434	27	106	.10	3086	.01	27	1.28	.01	.25	1	52	4600
015814 DR	14	146	66	529	3.3	91	6	590	2.96	394	5	ND	5	538	6.6	207	2	333	1.80	.807	26	81	.08	2810	.01	16	1.03	.01	.21	1	240	5600
015815 DR	18	121	38	332	2.6	48	3	129	1.67	122	6	ND	3	316	4.1	53	2	406	1.25	.497	18	50	.08	1688	.01	18	.83	.01	.20	1	40	4000
015816 DR	19	154	36	317	2.5	53	3	103	1.54	89	6	ND	2	376	4.7	44	2	438	1.24	.519	16	60	.08	1772	.01	13	.79	.01	.19	1	16	4300
015817 DR	43	186	126	635	3.8	96	6	107	2.85	139	8	ND	5	310	6.2	98	2	470	.27	.166	23	38	.07	1506	.01	6	.69	.01	.17	1	40	9500
015818 DR	5	98	30	129	2.4	26	3	68	.83	34	5	ND	2	332	3.4	22	2	313	1.27	.495	13	45	.05	1651	.01	16	.65	.01	.15	1	14	2500
015819 DR	9	122	27	240	2.7	43	4	108	1.13	52	6	ND	3	353	4.8	24	2	479	1.29	.541	17	53	.07	2492	.01	19	.80	.01	.19	1	13	5400
015820 DR	5	100	58	360	2.4	58	8	243	1.77	83	6	ND	4	383	6.7	33	2	171	.86	.479	19	53	.07	3712	.01	13	.94	.01	.21	1	15	3000
015821 DR	4	128	37	204	4.4	50	5	110	1.27	74	8	ND	2	498	6.7	26	2	218	2.95	1.281	24	125	.05	4213	.01	17	.80	.01	.13	2	6	5200
015822 DR	11	159	88	372	3.6	79	7	388	1.91	155	7	ND	3	534	5.3	68	2	332	2.83	1.245	21	99	.07	3423	.01	19	.94	.01	.18	1	34	4300
015823 DR	8	139	53	692	3.7	159	10	424	2.58	177	5	ND	4	532	4.0	54	2	168	1.99	1.038	20	110	.05	5712	.01	22	.99	.01	.13	2	13	3800
STANDARD C/AU-R	19	63	42	133	7.3	73	32	1057	3.98	42	17	7	36	53	18.4	16	21	58	.59	.095	38	61	.91	180	.08	32	1.89	.06	.13	11	500	1500

BCRC 90-114

BCRC 90-115

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: CUTTING AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: AUG 20 1990 **DATE REPORT MAILED:** Aug 27/90. **SIGNED BY** ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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	... ppb	Hg ppb
015824 DR	11	105	41	794	2.0	137	19	646	3.63	274	5	ND	7	303	4.9	42	2	134	.39	.341	26	70	.03	3597	.01	9	.84	.01	.07	3	5	3800
015825 DR	12	60	35	831	.7	105	22	580	5.24	225	5	ND	14	98	6.0	28	2	89	.10	.148	43	62	.02	1050	.01	8	.69	.01	.09	3	11	4400
015826 DR	9	112	30	917	2.7	146	12	207	3.46	161	5	ND	4	219	4.2	35	2	98	1.20	.542	29	104	.04	1807	.01	10	.75	.01	.11	1	1	3900
015827 DR	6	97	24	459	3.5	79	7	233	2.02	75	5	ND	3	280	2.3	26	2	89	2.64	1.081	24	95	.05	1219	.01	17	.73	.01	.13	1	5	2900
015828 DR	6	64	21	323	3.1	62	6	108	1.73	72	5	ND	2	294	2.2	16	4	77	2.82	1.160	22	67	.03	1475	.01	13	.68	.01	.12	1	1	1200
015829 DR	5	44	17	315	3.3	58	7	242	1.67	61	5	ND	1	131	1.8	14	2	52	1.44	.566	11	39	.02	1046	.01	9	.41	.01	.07	1	9	1500
015830 DR	4	29	17	267	3.1	49	5	222	1.27	42	5	ND	1	45	1.7	8	2	30	.12	.048	4	19	.01	879	.01	5	.14	.01	.03	1	7	730
015831 DR	3	23	13	322	3.1	69	5	594	1.15	32	5	ND	1	44	2.5	8	2	28	.17	.073	4	17	.01	873	.01	5	.14	.01	.03	1	6	900
015832 DR	9	28	31	497	4.0	148	7	2045	1.44	40	5	ND	1	42	6.1	16	2	38	.07	.037	4	23	.01	1025	.01	6	.14	.01	.03	1	7	820
015833 DR	6	32	20	248	2.7	62	5	325	1.21	27	5	ND	1	31	1.8	10	2	31	.06	.022	4	30	.01	392	.01	3	.14	.01	.03	1	8	780
015834 DR	6	82	13	479	2.9	113	6	346	1.53	40	5	ND	3	259	3.6	16	2	91	1.96	.805	23	77	.03	1839	.01	12	.63	.01	.07	1	1	3300
015835 DR	5	78	18	433	2.7	103	6	322	1.48	33	8	ND	1	239	3.2	16	2	76	1.97	.800	19	71	.03	1555	.01	15	.56	.01	.07	2	2	2500
015836 DR	15	35	26	791	1.1	71	11	1875	5.03	1998	5	ND	11	63	7.3	1764	2	116	.13	.086	42	15	.03	1123	.01	8	.52	.01	.11	3	1850	3500
015837 DR	14	25	22	786	1.2	95	12	5329	5.74	2479	5	4	10	56	9.2	1931	6	110	.15	.096	42	15	.02	1817	.01	5	.46	.01	.07	4	5490	3400
015838 DR	7	14	18	575	1.0	70	9	2744	4.60	2093	5	5	10	50	7.6	1069	4	63	.13	.079	44	18	.02	1141	.01	10	.47	.01	.08	3	5940	2600
015839 DR	16	24	33	1016	1.9	127	33	6861	7.82	2692	5	5	11	82	9.4	1835	2	118	.18	.148	46	18	.03	2399	.01	8	.65	.01	.08	3	6310	4300
015840 DR	16	47	35	640	2.7	106	13	1258	3.92	592	5	ND	3	181	4.7	771	2	137	.11	.152	15	32	.02	2801	.01	9	.56	.01	.07	2	1520	3500
015841 DR	19	48	41	903	2.0	133	17	3200	5.41	1354	5	ND	7	126	8.1	1146	3	154	.22	.149	31	26	.04	2061	.01	4	.60	.01	.09	3	2590	4100
015842 DR	10	63	40	549	3.0	106	11	1167	3.21	501	5	ND	2	182	4.8	535	3	146	.71	.352	16	43	.03	2364	.01	14	.59	.01	.09	5	790	3400
015843 DR	4	56	56	419	1.9	69	9	553	2.55	175	5	ND	4	42	2.7	129	2	67	.07	.058	15	17	.03	819	.01	7	.39	.01	.10	1	153	2800
015844 DR	10	85	73	343	2.9	88	6	444	1.84	77	8	ND	1	213	1.6	64	4	72	1.12	.493	16	62	.05	1810	.01	17	.62	.01	.15	1	31	1800
015845 DR	4	52	19	288	.8	53	9	310	2.17	123	5	ND	6	59	1.7	81	2	39	.13	.084	23	13	.04	655	.01	12	.51	.01	.17	1	75	830
015846 DR	7	87	43	359	2.0	52	8	198	1.82	67	5	ND	4	327	2.1	59	2	148	1.58	.710	23	53	.06	2339	.01	25	.94	.01	.23	3	31	3600
015847 DR	5	95	33	267	2.9	45	5	202	1.36	94	5	ND	1	539	2.0	70	2	144	2.50	1.173	21	102	.04	4174	.01	15	.80	.01	.12	2	1	3300
015848 DR	7	100	25	340	3.1	75	5	137	1.40	78	5	ND	2	461	2.3	60	2	123	2.80	1.264	23	101	.04	3116	.01	19	.79	.01	.12	2	1	2900
015849 DR	7	115	16	693	3.5	114	6	227	2.06	134	5	ND	3	307	2.5	95	2	123	2.09	.906	22	106	.04	2260	.01	22	.79	.01	.12	1	41	3400
015850 DR	7	116	17	837	2.5	144	7	112	2.59	128	7	ND	5	176	2.6	55	2	103	.89	.361	21	106	.03	1160	.01	12	.56	.01	.09	1	23	2800
015851 DR	8	95	41	736	2.2	115	12	648	3.22	265	5	ND	8	172	4.3	188	2	111	.55	.282	34	75	.04	1634	.01	9	.76	.01	.11	3	250	3300
015852 DR	10	77	41	1016	1.1	122	20	375	4.68	218	5	ND	18	134	6.0	95	2	108	.54	.320	59	69	.03	1138	.01	10	1.05	.01	.11	4	32	4100
015853 DR	8	104	53	893	6.1	134	11	217	2.97	145	5	ND	4	204	4.0	78	6	84	.58	.337	21	89	.04	2210	.01	10	.59	.01	.09	2	35	2900
015854 DR	4	65	25	456	6.0	64	6	112	1.74	65	5	ND	2	274	2.4	34	2	74	3.41	1.507	17	63	.04	1269	.01	13	.74	.01	.10	1	13	1900
015855 DR	2	24	36	183	.7	31	10	628	3.19	64	5	ND	15	73	1.4	16	2	83	.66	.144	42	42	1.05	2287	.14	2	1.87	.02	.25	3	55	540
015856 DR	1	22	41	165	.1	19	11	557	3.20	38	5	ND	13	55	1.1	12	3	99	.78	.145	43	44	1.23	2974	.14	2	2.16	.02	.29	2	27	900
015857 DR	2	16	30	141	.2	16	9	611	2.40	201	5	ND	15	46	.7	29	2	73	.77	.128	55	32	.56	825	.07	5	1.27	.01	.24	3	240	2700
015858 DR	2	23	78	231	.6	26	9	640	2.99	74	5	ND	11	102	1.6	34	2	76	1.70	.142	37	41	1.09	2351	.03	2	1.87	.01	.13	3	27	500
015859 DR	1	15	66	175	.4	17	9	592	3.02	71	5	ND	13	113	1.1	36	2	69	2.08	.113	41	37	1.12	1776	.01	2	1.92	.01	.11	1	22	260
STANDARD C/AU-R	20	59	42	130	6.9	73	32	1050	3.92	43	20	7	38	53	19.0	15	20	56	.51	.095	38	57	.89	181	.07	38	1.91	.06	.14	11	480	1400

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BCRC 90-117

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	Hg ppb
015860 DR	1	18	81	193	.3	26	10	679	3.58	88	5	ND	13	80	1.7	51	2	88	1.79	.131	37	51	1.29	3163	.06	2	2.39	.02	.16	2	2	280
015861 DR	1	19	91	223	.3	19	13	670	3.50	78	5	ND	13	80	1.9	38	2	87	1.78	.126	39	52	1.27	8464	.12	2	2.76	.03	.33	2	10	270
015862 DR	2	21	38	192	.4	28	10	650	3.38	39	5	ND	13	89	1.8	21	2	91	1.71	.137	36	49	1.23	3893	.18	3	2.12	.04	.35	1	2	320
015863 DR	1	18	41	164	.2	17	9	583	3.31	54	5	ND	13	91	1.0	22	3	76	1.74	.123	37	37	.90	1731	.15	3	1.61	.03	.26	2	11	450
015864 DR	2	17	28	127	.1	18	10	681	3.91	144	5	ND	16	124	1.1	22	2	58	2.76	.105	44	28	.35	1587	.02	5	.86	.01	.10	1	20	3100
015865 DR	2	17	19	113	.1	18	11	758	3.14	48	5	ND	17	72	.7	19	2	68	3.14	.122	53	31	.16	2208	.01	2	.81	.01	.07	1	3	2000
015866 DR	2	16	20	106	.1	17	8	609	3.18	19	5	ND	15	77	.4	10	2	76	2.78	.114	45	35	.60	1916	.09	2	1.38	.02	.31	1	1	1100
015867 DR	1	16	22	101	.1	15	8	623	3.28	12	5	ND	14	93	1.0	8	2	87	2.35	.109	41	44	.99	1508	.18	2	1.71	.04	.52	1	13	130
015868 DR	2	15	16	110	.1	17	8	591	3.24	12	5	ND	14	93	.4	4	2	87	2.12	.110	39	46	1.12	2003	.18	2	1.79	.05	.45	2	2	100
015869 DR	1	16	18	98	.1	16	9	656	3.56	21	5	ND	15	100	.5	7	3	90	2.59	.122	44	47	1.25	1686	.11	2	2.04	.03	.36	1	3	110
015870 DR	2	13	14	92	.1	15	9	661	3.41	75	5	ND	15	112	.5	7	2	60	3.49	.116	48	35	.69	711	.02	4	1.29	.02	.15	1	8	140
015871 DR	2	16	24	86	.1	15	9	719	3.32	181	5	ND	17	72	.6	13	2	45	3.21	.126	48	22	.17	685	.01	4	.67	.01	.12	1	5	750
015872 DR	3	17	22	106	.1	24	10	714	3.32	154	5	ND	13	89	.9	13	2	50	3.50	.127	46	25	.21	819	.01	3	.63	.01	.11	1	22	870
015873 DR	7	38	24	209	.3	56	11	482	3.73	184	5	ND	9	122	1.2	15	2	75	1.18	.105	28	31	.38	897	.01	6	.90	.01	.19	1	5	640
015874 DR	2	15	19	100	.1	15	9	691	3.31	63	5	ND	11	133	.6	10	2	51	2.89	.105	27	34	.77	338	.03	2	1.23	.02	.20	1	11	180
015875 DR	2	17	23	103	.1	17	9	666	3.19	148	5	ND	13	78	1.1	24	2	48	2.26	.109	37	26	.42	822	.02	2	1.15	.01	.17	1	2	320
015876 DR	2	16	21	115	.1	17	9	762	3.41	280	5	ND	14	78	.8	31	3	44	1.41	.112	39	25	.44	665	.02	2	1.17	.01	.19	1	70	810
015877 DR	2	19	19	95	.3	17	9	665	3.39	592	5	ND	13	150	.8	24	3	39	2.25	.112	28	23	.53	433	.02	2	.90	.02	.19	1	232	780
015878 DR	2	20	30	88	.4	19	9	690	3.25	2600	5	ND	11	127	.4	27	4	29	2.10	.104	23	18	.41	243	.01	4	.61	.01	.15	4	1050	4600
015879 DR	3	39	37	229	1.0	36	12	1029	3.98	2256	5	ND	11	98	1.5	30	3	38	1.15	.120	33	15	.13	709	.01	5	.66	.01	.13	3	520	6300
015880 DR	11	44	15	167	2.4	47	3	273	1.41	290	5	ND	3	202	1.8	18	2	426	1.34	.427	16	46	.06	900	.01	13	.69	.01	.14	2	81	3400
015881 DR	14	61	13	159	2.1	63	3	136	.93	79	8	ND	2	255	3.0	19	3	515	1.12	.435	11	43	.06	1129	.01	18	.72	.01	.13	1	22	2700
015882 DR	40	82	18	382	2.0	72	5	349	1.41	130	9	ND	2	283	6.3	34	3	420	2.98	.166	11	38	.06	1171	.01	12	.58	.01	.12	2	7	4400
015883 DR	25	44	38	642	2.2	76	4	3535	1.05	150	5	ND	1	657	17.5	22	2	235	12.75	.048	8	17	.30	1608	.01	9	.30	.01	.08	1	2	2500
015884 DR	10	33	26	303	.5	48	9	1642	3.22	153	5	ND	12	209	6.8	28	2	139	2.73	.126	33	40	.97	2410	.16	4	1.73	.03	.24	3	1	1200
015885 DR	2	18	27	165	.1	16	8	712	3.39	129	5	ND	14	63	1.3	9	2	96	.91	.121	37	41	1.19	935	.19	2	1.88	.03	.27	2	29	330
015886 DR	2	18	22	122	.1	19	8	618	3.32	59	5	ND	14	70	1.1	6	2	97	.98	.115	33	40	1.26	1325	.21	2	1.83	.04	.30	3	6	260
015887 DR	2	21	17	120	.1	17	10	709	3.54	53	5	ND	14	72	1.0	18	2	97	.85	.120	39	49	1.31	4768	.17	2	2.45	.04	.29	2	16	280
015888 DR	2	19	17	108	.1	16	9	651	3.71	47	5	ND	15	113	.7	20	2	84	1.55	.125	44	51	1.32	2399	.04	2	2.39	.02	.17	2	5	120
015889 DR	2	20	30	138	.2	18	8	646	3.36	48	5	ND	12	136	1.3	12	2	98	1.98	.121	34	44	1.25	1485	.11	2	1.79	.04	.35	2	4	350
015890 DR	4	34	46	233	.6	65	9	803	3.16	166	5	ND	11	207	2.3	27	6	67	1.82	.330	39	37	.71	1709	.04	7	1.48	.02	.21	1	44	180
015891 DR	2	14	34	157	.1	14	8	770	3.28	114	5	ND	14	75	.9	15	2	42	1.81	.120	42	24	.51	809	.03	2	1.01	.02	.20	1	16	260
015892 DR	2	16	54	153	.3	15	9	713	3.39	457	5	ND	14	72	1.2	25	2	36	2.23	.119	42	23	.34	903	.02	3	.98	.01	.19	1	80	500
015893 DR	1	16	22	141	.2	15	10	720	3.37	598	5	ND	14	76	1.6	25	5	40	2.64	.127	39	22	.29	1356	.01	5	.93	.01	.18	1	460	750
015894 DR	2	15	21	122	.4	15	9	972	3.35	1008	5	ND	14	109	.8	26	5	36	3.37	.115	39	18	.24	798	.01	5	.61	.01	.16	1	1180	1500
015895 DR	2	13	21	83	.6	12	7	1226	3.76	1231	5	2	10	306	.6	20	2	35	6.21	.080	28	17	1.15	645	.01	5	.50	.01	.10	2	2540	3600
STANDARD C/AU-R	19	61	41	130	7.2	72	31	1053	3.97	44	16	7	36	52	18.9	16	21	55	.51	.094	36	59	.87	179	.07	36	1.90	.06	.14	12	480	1600

BCKC 90-118

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	Hg ppb
015896 DR	2	15	34	93	.3	10	8	897	3.35	759	5	ND	12	286	.2	18	2	40	4.26	.072	30	20	.90	542	.01	6	.55	.01	.08	1	920	3200
015897 DR	3	17	31	139	.2	20	9	1039	3.76	748	5	ND	16	133	.3	31	2	49	2.61	.101	41	19	.19	912	.01	7	.67	.01	.08	1	350	3100
015898 DR	5	19	39	180	.1	28	12	1573	4.25	999	5	ND	19	112	.6	49	2	56	.54	.115	52	20	.06	1302	.01	5	.80	.01	.07	1	690	3500
015899 DR	3	15	34	120	.4	13	10	1091	3.68	523	5	ND	15	103	.2	24	2	42	1.82	.062	39	15	.05	992	.01	6	.69	.01	.08	1	320	3400
015900 DR	3	30	36	153	.9	18	12	1061	4.06	530	5	ND	17	78	.7	28	2	60	1.19	.107	51	18	.06	2054	.01	5	.77	.01	.11	1	169	2900
015901 DR	3	54	16	128	.1	18	14	828	4.43	155	5	ND	14	65	.6	32	2	61	1.56	.150	50	26	.29	644	.02	3	1.08	.01	.15	1	26	2600
015902 DR	3	22	37	145	.1	18	11	804	3.53	121	5	ND	15	94	.2	18	2	66	2.53	.126	51	30	.16	896	.01	4	.87	.01	.07	1	42	3000
015903 DR	5	21	42	218	.4	22	11	1569	3.89	924	5	ND	12	78	.6	30	2	44	.50	.070	37	15	.05	1092	.01	5	.62	.01	.09	2	960	6200
015904 DR	23	37	36	444	1.7	67	7	1059	3.91	477	5	ND	3	261	3.8	42	2	257	.27	.207	16	31	.03	3205	.01	7	.66	.01	.08	3	340	5100
015905 DR	12	25	24	197	1.4	29	4	149	1.41	183	9	ND	1	402	1.6	21	2	371	.24	.278	9	34	.03	4302	.01	14	.64	.01	.09	3	69	8200
015906 DR	9	41	37	327	.4	32	8	893	3.15	357	5	ND	8	111	4.2	22	2	61	.46	.124	31	8	.05	648	.01	8	.57	.01	.14	1	34	3300
015907 DR	5	25	40	317	1.0	23	8	984	3.33	221	5	ND	11	51	1.6	22	2	23	.49	.115	39	6	.05	967	.01	10	.60	.01	.16	1	33	2300
015908 DR	4	20	33	329	.4	21	8	791	3.28	498	5	ND	10	96	2.6	25	2	24	1.48	.104	29	7	.15	600	.01	13	.65	.01	.16	1	35	3200
015909 DR	5	20	35	374	.2	22	8	718	3.37	128	5	ND	12	65	3.8	20	2	24	.78	.116	40	7	.06	1423	.01	15	.73	.01	.19	1	13	1900
015910 DR	21	49	28	570	1.3	55	5	665	2.58	140	5	ND	6	151	8.9	28	3	189	.95	.155	25	18	.07	1253	.01	15	.65	.01	.14	2	14	5100
015911 DR	32	43	18	436	1.8	51	3	1971	1.13	48	5	ND	1	266	7.6	17	2	203	4.80	.038	10	16	.08	745	.01	14	.30	.01	.10	1	8	5800
015912 DR	50	107	19	768	2.6	83	5	840	1.81	89	5	ND	2	212	7.7	27	2	373	1.85	.193	14	37	.06	1417	.01	18	.62	.01	.12	1	27	10400
015913 DR	31	50	6	576	1.8	75	3	2935	1.05	49	5	ND	1	214	9.2	16	2	290	3.90	.043	10	19	.08	821	.01	11	.33	.01	.09	1	8	4300
015914 DR	3	20	31	142	.2	21	9	656	3.11	40	5	ND	16	81	1.6	11	2	96	.90	.122	47	41	.82	1564	.16	2	1.63	.03	.20	1	33	700
015915 DR	3	18	31	137	.1	19	11	995	3.73	326	5	ND	18	61	.7	14	2	65	1.81	.128	66	24	.08	1313	.01	2	.70	.01	.07	1	117	2800
015916 DR	3	18	26	137	.1	21	12	1491	3.80	542	5	ND	16	48	.2	20	4	54	1.86	.127	60	19	.06	832	.01	9	.67	.01	.11	1	230	2700
015917 DR	3	18	46	182	.3	20	12	894	3.82	276	5	ND	16	43	.5	24	3	42	.91	.116	48	15	.05	878	.01	9	.59	.01	.10	3	48	4800
015918 DR	3	19	18	139	.1	18	12	814	3.74	598	5	ND	16	57	.5	33	2	43	.89	.104	51	19	.06	886	.01	9	.68	.01	.12	1	280	4000
015919 DR	3	25	37	212	.1	25	13	896	3.78	419	5	ND	16	64	1.2	53	4	62	.83	.117	47	28	.05	742	.01	10	.67	.01	.09	1	13	4700
015920 DR	7	44	16	284	.2	50	12	505	3.29	324	8	ND	11	126	1.7	42	2	92	.73	.124	36	32	.04	2791	.01	9	.77	.01	.12	1	21	2900
015921 DR	6	36	39	304	.1	45	12	678	3.20	166	5	ND	13	150	3.0	32	2	95	1.38	.138	45	28	.05	1836	.01	6	.88	.01	.08	1	7	1800
015922 DR	1	16	22	111	.2	15	10	560	3.52	41	5	ND	15	75	1.0	22	2	84	1.19	.114	46	50	1.08	4068	.07	5	2.23	.02	.26	2	5	370
015923 DR	1	19	17	115	.1	12	9	586	3.26	42	5	ND	16	62	.4	18	2	90	1.50	.132	47	45	.78	1092	.09	2	1.72	.02	.29	1	3	1300
015924 DR	2	16	30	120	.1	12	9	500	3.11	40	5	ND	17	53	.2	16	2	82	2.37	.126	51	36	.41	1027	.08	2	1.34	.01	.30	2	7	1100
015925 DR	1	18	23	111	.1	12	9	622	2.85	214	5	ND	17	50	.3	23	2	70	1.95	.128	54	32	.41	867	.06	4	1.37	.01	.24	1	21	1200
015926 DR	1	17	19	114	.1	11	9	642	3.67	73	5	ND	15	105	.5	16	2	87	2.30	.123	45	49	1.17	1457	.10	5	2.10	.03	.34	1	12	300
015927 DR	1	18	23	114	.1	11	9	711	3.33	57	5	ND	16	114	.2	17	2	72	2.58	.132	45	43	.91	753	.03	6	1.66	.02	.20	1	14	320
015928 DR	2	15	27	99	.1	11	9	656	3.17	354	5	ND	15	56	.2	18	3	33	2.60	.116	41	15	.16	504	.01	5	.70	.01	.13	1	161	1100
015929 DR	2	17	25	106	.1	12	9	637	3.32	101	5	ND	15	89	.6	23	2	28	3.02	.126	36	17	.28	710	.01	7	.88	.01	.14	1	27	380
015930 DR	3	15	33	112	.2	14	9	768	3.34	372	5	ND	16	49	.2	21	2	25	2.58	.131	44	12	.10	709	.01	8	.65	.01	.17	2	410	950
015931 DR	2	17	30	155	.1	17	11	780	3.46	102	5	ND	17	54	.2	25	5	36	1.82	.134	46	17	.13	369	.01	3	.78	.01	.12	3	49	500
STANDARD C/AU-R	18	63	40	133	7.3	73	32	1054	3.97	43	18	7	37	53	18.8	14	21	57	.51	.096	38	61	.88	180	.07	37	1.89	.06	.14	12	540	1500

BERC 90-119

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	Hg ppb
015932 DR	2	17	22	114	.1	14	10	670	3.18	141	5	ND	15	83	.5	27	2	42	1.87	.103	44	21	.42	1284	.03	6	1.16	.01	.20	3	47	230
015933 DR	1	14	18	99	.1	8	9	605	3.10	21	5	ND	14	107	.4	6	2	75	1.81	.102	43	36	1.11	1756	.10	2	1.82	.02	.35	2	7	130
015934 DR	3	18	17	118	.1	16	10	632	3.12	65	5	ND	16	103	.6	6	2	60	2.60	.111	49	25	.47	763	.06	2	1.18	.02	.28	3	12	1200
015935 DR	3	13	36	172	.1	13	9	776	3.14	192	5	ND	15	112	.8	11	2	40	2.92	.101	46	15	.17	663	.01	3	.58	.01	.08	2	15	1400
015936 DR	3	13	13	158	.1	15	10	685	2.97	106	5	ND	14	81	.7	7	2	45	2.11	.103	44	18	.12	547	.01	4	.61	.01	.09	2	16	1100
015937 DR	3	19	23	188	.2	17	10	841	3.03	103	5	ND	11	126	1.3	17	2	52	1.99	.077	35	20	.38	669	.02	3	.93	.01	.12	2	9	3600
015938 DR	23	37	119	587	2.1	43	5	3014	2.97	356	5	ND	1	78	7.2	87	2	204	.26	.047	6	22	.03	1072	.01	3	.22	.01	.02	3	105	9400
015939 DR	32	52	42	1160	1.9	116	12	4692	4.10	373	5	ND	2	99	14.2	448	2	262	.17	.060	7	28	.03	2695	.01	7	.39	.01	.04	3	43	8600
015940 DR	10	34	155	559	1.8	33	9	1773	3.32	2054	5	ND	6	80	7.3	81	2	62	.38	.079	24	9	.05	800	.01	7	.44	.01	.10	1	730	4300
015941 DR	6	27	46	396	.4	17	7	1071	3.45	1536	5	ND	7	95	3.8	50	2	34	.94	.087	21	5	.18	196	.01	6	.43	.01	.13	1	250	2900
015942 DR	3	14	32	137	.5	13	7	910	2.86	1240	5	ND	7	153	1.7	21	2	22	1.70	.067	17	5	.41	185	.01	9	.46	.01	.11	1	340	2100
015943 DR	11	38	72	277	1.3	21	7	721	3.40	485	5	ND	5	83	1.7	33	2	117	.47	.053	16	11	.12	195	.01	7	.39	.01	.07	1	111	3300
015944 DR	9	30	14	182	.5	28	6	998	.89	97	5	ND	1	130	1.9	13	2	97	.29	.038	3	13	.11	1532	.01	3	.19	.01	.02	2	49	2300
015945 DR	2	18	21	118	.1	14	10	687	3.27	108	5	ND	12	77	1.1	12	2	90	.74	.101	34	37	1.07	2400	.19	2	1.62	.04	.41	2	72	470
015946 DR	2	17	15	105	.1	17	9	799	3.25	91	5	ND	13	66	.9	8	2	85	.77	.109	36	37	1.08	2024	.20	3	1.59	.04	.41	2	38	400
015947 DR	1	15	16	101	.1	14	10	670	3.20	68	5	ND	12	70	.7	3	4	85	.98	.097	34	36	1.19	1882	.18	2	1.66	.04	.34	2	29	150
015948 DR	2	17	32	134	.4	14	10	1001	3.31	300	5	ND	15	67	.6	7	2	69	.87	.109	44	34	.77	1406	.09	3	1.26	.02	.31	1	109	650
015949 DR	1	13	17	110	.1	10	9	684	3.07	60	5	ND	12	133	.8	2	2	66	2.09	.097	37	33	1.05	1491	.05	4	1.55	.03	.20	1	12	150
015950 DR	2	13	10	90	.1	13	9	545	3.04	22	5	ND	13	129	.6	3	2	70	2.04	.096	33	36	1.14	1468	.05	3	1.62	.03	.21	2	6	90
015951 DR	3	27	11	272	.1	40	12	511	2.96	72	5	ND	9	132	1.4	13	2	63	1.72	.093	32	27	.77	2087	.03	4	1.49	.02	.17	2	7	330
015952 DR	14	97	26	422	.8	85	8	88	3.72	98	5	ND	4	290	2.6	18	2	89	.35	.153	20	17	.07	1354	.01	8	.92	.01	.18	1	8	750
015953 DR	12	61	22	369	.6	74	7	69	2.80	87	6	ND	4	210	1.5	14	2	78	.28	.124	19	12	.05	2115	.01	11	.83	.01	.17	1	15	680
015954 DR	8	33	10	485	.1	87	16	273	2.89	119	5	ND	9	112	5.1	26	2	61	.38	.149	30	20	.22	1946	.03	8	.98	.01	.20	1	11	920
015955 DR	2	10	16	367	.1	69	17	485	3.21	130	5	ND	14	60	5.7	31	2	48	.41	.121	49	23	.52	2050	.04	3	1.34	.01	.22	2	12	330
015956 DR	2	11	12	169	.1	39	12	577	3.34	171	5	ND	15	57	1.7	23	2	62	.61	.120	44	31	.69	1859	.04	5	1.49	.02	.20	1	2	860
015957 DR	1	16	9	149	.1	24	12	593	3.35	131	5	ND	14	55	1.8	11	3	78	.50	.115	41	36	1.04	2518	.14	2	1.75	.03	.41	2	1	270
015958 DR	2	16	13	148	.1	24	11	672	3.31	246	5	ND	15	59	1.4	17	2	59	.53	.115	49	27	.61	1799	.08	5	1.31	.02	.32	3	69	460
015959 DR	1	13	17	97	.1	13	10	600	3.13	37	5	ND	14	62	.7	5	2	68	.90	.105	39	31	.73	1501	.07	2	1.41	.02	.26	2	4	330
015960 DR	3	15	19	128	.1	18	10	755	3.27	133	5	ND	14	116	.7	15	2	33	2.27	.091	39	14	.23	1154	.01	8	.54	.01	.10	2	7	2700
015961 DR	3	15	26	118	.2	17	10	778	3.08	94	5	ND	13	122	.2	20	2	30	3.54	.094	33	13	.20	744	.01	6	.49	.01	.11	1	2	3300
015962 DR	3	14	26	97	.1	15	9	692	3.08	252	5	ND	12	109	.3	8	2	16	1.91	.099	33	8	.20	779	.01	4	.42	.01	.12	2	18	2200
015963 DR	3	13	24	96	.1	14	9	634	3.10	88	5	ND	13	49	.2	5	2	21	2.23	.108	37	11	.07	543	.01	4	.43	.01	.11	2	3	2100
015964 DR	2	12	18	92	.1	12	8	565	2.80	30	5	ND	11	70	.2	5	2	38	2.67	.100	31	18	.13	640	.01	4	.50	.01	.10	1	2	1100
015965 DR	1	13	18	98	.1	12	10	662	2.64	63	5	ND	15	117	.4	12	2	59	2.33	.103	44	23	.41	2222	.02	4	1.12	.01	.13	2	7	550
015966 DR	1	11	16	103	.1	14	8	484	2.24	26	5	ND	14	77	.3	4	2	56	2.28	.105	51	21	.27	1329	.03	2	1.01	.01	.16	2	2	760
015967 DR	1	12	24	195	.1	21	10	567	3.57	34	5	ND	14	86	.9	10	2	80	1.59	.100	47	35	1.00	2096	.11	2	1.91	.02	.35	2	5	390
STANDARD C/AU-R	19	57	39	131	6.8	73	32	1051	3.96	42	20	7	38	53	18.8	15	19	55	.51	.092	38	57	.89	180	.07	38	1.89	.06	.14	13	510	1400

BERC 90-120

Noranda Exploration Co. Ltd. PRO 9008-089 FILE # 90-3731 P

PLE#	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	Hg ppb
968 DR	2	35	17	293	.1	34	10	666	4.02	47	9	ND	15	54	.5	13	2	77	.60	.129	48	47	1.04	2114	.06	3	2.11	.01	.26	1	17	400
969 DR	5	17	23	355	.1	43	10	1416	3.24	173	5	ND	14	86	2.1	23	2	52	1.68	.064	36	23	.18	1207	.01	6	.83	.01	.10	1	32	2000
970 DR	8	38	33	310	.5	41	8	1750	2.27	196	5	ND	8	158	2.4	17	2	88	1.33	.094	25	28	.11	2063	.01	8	.78	.01	.07	1	31	2200
971 DR	36	23	30	184	2.4	30	2	138	1.39	154	22	ND	2	146	2.2	25	2	380	.16	.082	12	27	.04	2441	.01	18	.59	.01	.13	3	55	6800
972 DR	26	38	16	778	1.8	74	4	4504	2.28	145	5	ND	1	194	9.7	32	2	398	1.71	.112	8	23	.28	2846	.01	9	.48	.01	.08	1	22	7900
973 DR	28	77	40	661	1.8	71	3	3132	2.17	128	5	ND	2	89	12.4	33	2	326	.31	.048	8	33	.06	1442	.01	16	.45	.01	.10	1	15	4000

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	Hg ppb
015974 DR	11	29	28	417	.8	50	12	2271	4.05	315	5	ND	14	84	4.5	48	2	153	.69	.129	51	30	.20	1561	.01	3	.94	.01	.12	2	151	3000
015975 DR	3	17	20	141	.2	20	10	738	3.57	164	5	ND	15	65	1.0	17	5	99	.63	.111	46	38	.91	1436	.18	2	1.85	.04	.39	1	350	1000
015976 DR	2	15	24	151	.1	19	12	780	3.58	205	5	ND	14	59	.8	21	2	100	.67	.112	42	39	1.07	2970	.21	4	2.10	.03	.39	1	240	490
015977 DR	4	19	25	186	.3	22	11	1122	3.30	73	5	ND	13	74	1.4	17	5	111	.74	.107	38	36	1.06	3061	.20	2	1.84	.04	.30	1	36	620
015978 DR	3	15	17	143	.1	15	9	824	3.11	33	5	ND	12	78	1.1	7	2	99	1.00	.103	34	35	1.03	1604	.20	4	1.61	.05	.29	2	22	380
015979 DR	3	18	16	154	.1	17	10	893	3.38	51	7	ND	12	101	.9	7	2	103	1.14	.111	39	41	1.08	1660	.14	3	1.72	.04	.40	1	21	420
015980 DR	2	14	19	144	.1	14	9	907	3.06	136	5	ND	12	120	1.0	19	2	89	1.98	.109	43	35	.96	1441	.07	2	1.61	.03	.23	1	270	470
015981 DR	3	16	8	124	.2	18	8	914	3.04	334	6	ND	11	96	.7	18	2	81	1.94	.106	41	33	.82	659	.02	5	1.47	.02	.16	1	350	590
015982 DR	4	21	22	180	.3	34	10	659	3.20	273	5	ND	10	107	.6	16	2	80	1.17	.098	40	26	.58	1153	.02	7	1.26	.02	.23	1	125	520
015983 DR	7	18	17	64	.3	14	3	223	1.95	97	5	ND	6	95	.4	10	7	55	.21	.035	30	12	.06	470	.01	13	.55	.01	.23	1	12	400
015984 DR	10	19	18	53	.4	28	2	208	1.91	71	5	ND	6	81	.2	10	2	81	.18	.036	27	51	.06	354	.01	13	.51	.01	.25	1	13	690
015985 DR	15	35	26	233	.6	49	4	256	2.65	101	6	ND	4	84	.6	18	4	129	.15	.060	22	24	.06	435	.01	7	.76	.02	.30	1	15	1800
015986 DR	9	31	12	247	.6	43	8	468	2.43	114	6	ND	7	135	3.5	16	4	110	.60	.138	30	22	.19	1202	.02	8	.79	.01	.20	1	29	2300
015987 DR	5	18	18	222	.1	41	11	713	3.42	282	5	ND	11	167	1.3	24	3	52	2.92	.066	34	22	.48	761	.01	2	.60	.01	.09	1	120	3100
015988 DR	4	15	24	214	.2	37	11	952	3.93	503	5	ND	11	227	.6	23	2	62	3.43	.039	32	20	.89	742	.01	2	.57	.01	.05	1	580	3400
015989 DR	5	17	27	278	.2	47	13	860	3.97	182	7	ND	15	107	1.0	35	4	68	1.67	.052	39	25	.17	964	.01	2	.67	.01	.03	1	32	3900
015990 DR	6	15	35	376	.1	46	14	1111	4.49	153	6	ND	18	105	.2	42	2	74	1.37	.084	59	26	.07	1134	.01	2	.59	.01	.02	1	10	2900
015991 DR	4	13	34	214	.1	22	11	963	3.68	475	11	ND	14	177	.4	22	4	59	2.91	.094	52	21	.67	732	.01	2	.67	.01	.08	2	830	3400
015992 DR	5	17	28	325	.6	40	11	1136	3.49	605	5	ND	14	157	1.5	40	3	35	3.52	.099	39	15	.21	1007	.01	4	.72	.01	.11	1	930	1700
015993 DR	5	15	27	276	.3	28	10	893	3.35	329	11	ND	13	85	.8	31	2	22	2.92	.112	42	9	.10	875	.01	4	.54	.01	.14	1	250	1600
015994 DR	6	14	22	511	.3	59	13	1370	3.81	836	5	ND	15	70	.8	75	2	32	1.39	.121	47	15	.06	686	.01	8	.55	.01	.15	1	580	2200
015995 DR	4	14	36	310	.3	34	10	728	3.14	377	5	ND	14	92	.6	30	2	51	2.57	.123	46	23	.11	788	.01	2	.60	.01	.11	1	280	2000
015996 DR	5	14	42	395	.3	40	11	738	3.26	223	11	ND	16	81	.9	37	2	56	2.27	.119	49	24	.08	610	.01	2	.73	.01	.11	2	123	2900
015997 DR	6	16	48	688	.3	68	12	1108	4.36	547	5	ND	15	111	1.2	133	2	59	1.55	.114	49	21	.15	993	.01	2	.76	.01	.09	2	710	3500
015998 DR	5	15	41	354	.4	37	11	1107	3.55	580	5	ND	14	169	1.0	82	4	54	3.11	.085	42	19	.47	914	.01	2	.76	.01	.08	2	470	3400
015999 DR	6	19	24	345	.7	49	12	1568	3.51	2352	5	3	6	203	2.0	66	2	52	2.23	.060	24	15	.60	1120	.01	2	.54	.01	.08	1	3380	4500
016000 DR	4	15	29	171	1.0	24	10	1159	3.34	1569	5	ND	8	184	.6	31	2	28	2.13	.058	22	11	.54	745	.01	2	.62	.01	.11	1	1260	4500
016001 DR	7	23	40	320	.7	43	12	929	3.55	763	5	ND	10	162	4.4	30	2	79	1.80	.144	34	14	.13	1060	.01	6	.69	.01	.11	1	300	4700
016002 DR	24	61	24	163	2.0	31	6	255	2.37	367	11	ND	4	358	3.6	29	2	475	.78	.312	20	45	.09	2837	.01	8	.86	.01	.13	1	121	8500
016003 DR	14	29	20	45	1.9	19	2	137	.99	123	6	ND	3	79	.6	17	2	398	.26	.058	14	23	.06	1133	.01	10	.45	.01	.12	1	69	17200
016005 DR	3	18	25	121	.3	18	10	569	3.54	216	8	ND	16	50	.2	28	3	86	.46	.126	51	32	.25	1231	.04	2	1.01	.01	.14	1	490	2400
016006 DR	2	14	65	149	.1	14	10	735	3.11	68	7	ND	15	35	.3	19	2	75	.41	.127	44	31	.20	1460	.03	2	1.07	.01	.13	1	45	1600
016007 DR	2	13	38	121	.1	15	12	766	3.41	50	16	ND	16	42	.2	15	2	72	.45	.123	43	30	.19	2019	.02	2	1.09	.01	.10	2	28	2000
016008 DR	3	17	40	150	.2	19	13	718	3.75	119	14	ND	16	66	.4	20	10	86	.67	.127	58	33	.47	4522	.07	2	1.60	.02	.17	2	200	2200
016009 DR	2	16	29	104	.1	14	10	598	2.84	51	9	ND	17	31	.2	12	5	67	.44	.126	63	27	.08	1105	.01	2	.72	.01	.06	1	28	1900
016010 DR	2	16	23	108	.1	14	10	791	3.47	72	5	ND	16	31	.2	18	2	74	.51	.125	69	31	.14	696	.01	2	.93	.01	.11	1	32	1400
STANDARD C/AU-R	20	59	38	131	7.2	72	32	1052	3.96	40	21	6	38	52	19.0	15	21	57	.52	.096	38	57	.89	183	.08	31	1.88	.06	.14	14	490	1300

BCRC 90-121

BCRC 90-122

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	Hg ppb
016011 DR	1	12	14	127	.1	18	12	504	4.11	100	5	ND	16	54	.2	25	9	86	.56	.114	56	39	1.08	3671	.06	2	2.37	.02	.26	1	22	830
016012 DR	1	13	14	260	.1	38	13	493	4.23	148	5	ND	15	50	.2	30	5	93	.56	.127	61	42	1.15	2752	.06	2	2.26	.02	.26	1	44	750
016013 DR	2	6	16	320	.1	33	13	648	3.90	298	5	ND	14	45	.2	48	5	60	.29	.112	50	18	.07	650	.01	2	.63	.01	.08	1	29	2400
016014 DR	5	40	26	292	.5	48	11	262	3.45	221	5	ND	10	212	1.2	53	5	99	.33	.183	40	15	.05	1876	.01	7	.71	.01	.11	1	94	2700
016015 DR	7	31	21	124	.5	23	3	36	1.57	60	5	ND	4	178	.2	18	3	84	.21	.122	23	13	.03	1469	.01	13	.60	.01	.15	1	27	1200
016016 DR	7	8	13	12	.1	6	1	10	1.07	17	5	ND	4	33	.2	6	2	57	.07	.020	29	11	.03	461	.01	11	.38	.01	.22	1	20	1300
016017 DR	15	23	23	210	.4	44	4	24	2.53	106	5	ND	6	101	.2	21	6	82	.07	.096	28	16	.03	801	.01	11	.41	.01	.17	1	19	1900
016018 DR	24	45	15	364	1.1	81	5	27	3.13	185	5	ND	2	176	.8	28	7	187	.17	.291	14	24	.03	1426	.01	9	.51	.01	.16	2	75	4800
016019 DR	19	46	10	232	1.3	70	4	25	1.65	106	6	ND	1	488	1.2	22	2	583	.79	.756	12	55	.03	3943	.01	16	.78	.01	.14	1	44	7300
016020 DR	13	61	23	805	.5	105	8	380	2.89	95	5	ND	5	293	21.3	22	2	304	.70	.438	29	34	.05	1537	.01	11	.77	.01	.11	1	31	3800
016021 DR	5	16	21	607	.1	94	12	849	4.33	48	5	ND	13	176	4.0	24	5	70	2.28	.104	45	24	.28	1181	.01	3	.70	.01	.05	1	7	1600
016022 DR	4	21	14	273	.2	44	11	760	4.02	157	5	ND	14	140	1.6	11	2	62	2.67	.124	54	23	.51	504	.01	6	.58	.01	.07	1	92	2700
016023 DR	4	18	22	314	.1	58	11	686	3.35	296	5	ND	16	81	2.5	20	2	56	2.26	.132	56	20	.16	581	.01	6	.61	.01	.08	1	121	3000
016024 DR	3	12	25	114	.1	15	9	639	3.15	53	5	ND	14	156	.3	4	6	68	2.81	.114	50	30	.79	610	.06	7	1.19	.03	.26	1	29	600
016025 DR	3	16	16	196	.1	32	11	738	3.44	51	5	ND	16	112	.8	9	9	65	2.36	.117	57	27	.48	479	.02	6	.96	.01	.13	1	19	1400
016026 DR	3	14	23	131	.3	20	9	808	3.11	74	5	ND	16	172	.9	6	7	49	3.33	.105	43	22	.56	516	.01	4	.67	.01	.10	1	23	2100
016027 DR	3	14	24	116	.2	19	10	1043	3.15	717	5	ND	13	331	.8	11	5	31	3.31	.073	36	13	.70	683	.01	5	.57	.01	.10	1	172	1800
016028 DR	4	11	16	170	.1	23	10	865	3.40	1149	5	ND	10	365	.6	17	3	26	2.82	.059	25	9	.51	623	.01	4	.46	.01	.10	1	270	2400
016029 DR	6	17	29	417	.3	49	15	868	4.40	58	5	ND	19	74	1.7	26	9	79	.48	.116	62	30	.07	723	.01	5	.81	.01	.05	1	19	4300
016030 DR	4	26	36	393	.2	56	13	670	3.30	41	5	ND	18	72	1.7	28	3	71	.96	.139	67	27	.29	584	.03	2	1.24	.01	.17	1	11	1500
016031 DR	2	13	39	181	.1	15	10	646	3.33	69	5	ND	15	132	.8	11	2	77	2.27	.116	49	36	1.01	1124	.11	5	1.80	.03	.39	1	32	430
016032 DR	2	13	18	240	.1	37	13	597	3.00	39	5	ND	17	97	1.9	18	5	70	1.53	.128	56	31	.61	1083	.03	3	1.48	.01	.17	1	9	580
016033 DR	3	12	19	332	.1	39	13	472	3.98	84	5	ND	16	62	1.4	37	3	63	.60	.129	54	34	.99	680	.02	5	2.09	.02	.17	1	17	190
016034 DR	4	18	13	378	.1	42	15	826	3.74	111	5	ND	15	52	.7	32	2	45	.54	.127	50	25	.59	598	.01	6	1.45	.01	.14	1	19	200
016035 DR	6	17	17	439	.1	60	14	731	3.95	212	5	ND	14	67	.8	40	4	53	.48	.139	50	27	.66	1548	.02	2	1.57	.01	.16	1	53	1100
016036 DR	11	50	8	270	.9	54	5	254	1.71	159	5	ND	2	375	1.6	38	2	269	2.22	.926	22	37	.12	1089	.01	7	.79	.01	.16	1	117	2300
016037 DR	10	19	42	618	.3	116	14	769	3.42	155	5	ND	12	109	5.1	61	2	50	.40	.151	43	23	.05	1056	.01	9	.67	.01	.08	1	27	4000
016038 DR	6	12	37	683	.1	87	13	616	3.53	83	5	ND	11	51	.9	97	5	23	.77	.126	31	11	.24	579	.01	2	1.10	.01	.11	1	12	280
016039 DR	8	18	38	851	.3	128	15	496	4.02	172	5	ND	13	54	3.5	73	2	61	.53	.148	39	30	.68	677	.01	2	1.67	.01	.14	1	31	920
016040 DR	5	14	24	717	.2	86	13	566	4.02	131	5	ND	11	98	2.9	77	5	60	1.03	.119	29	35	1.07	574	.04	6	1.80	.01	.24	1	8	180
016041 DR	11	64	42	436	2.4	72	8	295	2.22	108	5	ND	5	310	4.4	38	2	203	.83	.355	21	40	.20	2225	.01	8	.85	.01	.13	1	29	5700
016042 DR	6	33	46	272	.4	46	15	1082	5.08	297	5	ND	23	99	.5	58	2	51	.69	.149	74	28	.17	1203	.01	6	.87	.01	.15	1	125	3100
016043 DR	5	32	42	264	.3	52	18	1058	5.65	324	7	ND	28	77	.2	61	3	32	.32	.143	87	24	.08	1006	.01	7	.77	.01	.14	1	88	2900
016044 DR	4	31	39	230	.3	49	18	1068	5.24	236	5	ND	26	79	.2	32	2	27	.28	.131	86	21	.06	937	.01	4	.63	.01	.11	1	68	2700
016045 DR	4	27	39	177	.2	36	15	1138	4.83	125	5	ND	20	105	.2	23	2	27	1.31	.052	63	20	.07	1124	.01	4	.63	.01	.12	1	21	1900
016046 DR	4	26	40	181	.1	36	13	1040	4.54	137	5	ND	19	108	.2	28	2	25	1.50	.049	60	18	.07	1179	.01	6	.60	.01	.11	1	36	1500
STANDARD C/AU-R	19	58	35	129	7.1	73	32	1047	3.95	41	19	7	39	53	19.0	21	21	56	.51	.094	38	57	.89	181	.07	37	1.88	.06	.12	11	470	1400

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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	Hg ppb
016047 DR	5	18	31	293	.2	35	13	1115	4.46	301	5	ND	14	83	.6	53	2	50	.22	.048	40	23	.05	907	.01	8	.69	.01	.08	1	76	2900
016048 DR	4	33	31	241	.3	37	15	894	4.55	197	5	ND	20	63	.8	34	2	30	.77	.114	66	18	.06	710	.01	4	.59	.01	.13	2	36	3000
016049 DR	4	36	31	190	.1	37	15	998	4.11	89	5	ND	22	118	.9	13	2	28	3.08	.117	56	22	.21	682	.01	8	.51	.01	.14	1	10	2200
016050 DR	3	28	35	144	.1	28	14	930	4.18	45	5	ND	21	142	.6	9	5	26	2.91	.098	62	19	.08	959	.01	6	.51	.01	.14	1	24	2200
016051 DR	5	34	32	241	.2	37	15	1065	4.37	79	5	ND	24	115	.8	16	4	26	2.42	.121	67	19	.14	603	.01	6	.51	.01	.14	1	30	1500
016052 DR	3	29	31	209	.2	34	14	800	4.19	39	5	ND	23	91	1.0	10	3	28	3.12	.120	58	22	.20	874	.01	6	.61	.01	.13	1	12	490
016053 DR	5	39	24	332	.4	54	16	953	4.29	71	5	ND	24	54	2.2	16	2	32	2.24	.132	70	25	.07	755	.01	4	.53	.01	.14	1	20	760
016054 DR	5	31	31	334	.2	61	17	983	4.56	56	5	ND	27	46	2.2	14	3	28	1.45	.135	78	20	.06	623	.01	4	.53	.01	.15	1	10	700
016055 DR	8	39	29	702	.1	96	17	682	5.05	94	5	ND	26	42	5.2	25	6	25	.77	.146	78	18	.05	616	.01	6	.64	.01	.15	2	10	500
016056 DR	6	31	22	570	.1	68	15	823	4.60	80	5	ND	24	130	6.9	22	2	21	2.04	.129	68	14	.25	837	.01	6	.58	.01	.15	1	5	620
016057 DR	7	38	20	395	.1	66	10	473	2.65	113	5	ND	11	223	5.1	21	2	112	1.04	.320	35	25	.04	1056	.01	9	.77	.01	.10	1	12	1200
016058 DR	7	29	30	616	.1	86	15	720	4.67	169	5	ND	16	38	6.3	32	3	60	.42	.142	52	23	.05	352	.01	5	.71	.01	.08	1	28	1100
016059 DR	3	14	32	169	.1	17	10	886	3.98	20	5	ND	16	54	1.7	8	2	72	1.73	.116	62	28	.37	783	.07	2	1.04	.02	.28	1	9	180
016060 DR	2	11	32	124	.1	9	10	581	3.32	10	5	ND	15	86	1.0	4	2	70	2.13	.100	48	29	.63	1691	.13	2	1.43	.03	.44	1	8	320
016061 DR	3	14	23	168	.1	17	11	613	3.33	29	5	ND	17	41	.5	13	2	70	1.21	.120	56	27	.18	865	.02	2	.92	.01	.14	1	7	1100
016062 DR	3	11	13	134	.2	15	11	712	3.52	131	5	ND	17	49	.2	16	3	56	1.22	.118	53	21	.15	742	.01	3	.82	.01	.13	1	52	730
016063 DR	4	11	11	238	.1	28	11	794	3.73	101	5	ND	17	46	1.1	28	2	63	.78	.126	50	27	.32	747	.02	5	1.29	.01	.16	1	20	700
016064 DR	7	15	20	388	.1	51	12	1565	3.81	216	5	ND	15	29	1.8	38	2	41	.56	.136	55	16	.06	426	.01	2	.62	.01	.11	1	94	1300
016065 DR	7	9	19	578	.2	81	12	1215	4.00	243	5	ND	16	30	3.0	52	6	38	.46	.128	46	16	.19	393	.01	2	.86	.01	.12	1	64	520
016066 DR	2	8	21	285	.1	40	12	691	3.64	74	5	ND	15	33	1.1	14	6	59	.66	.117	42	34	.91	343	.01	6	1.69	.01	.11	1	30	180
016067 DR	1	9	24	143	.1	16	10	646	3.58	20	5	ND	15	41	.6	7	2	85	.59	.112	45	43	1.37	527	.02	2	2.10	.02	.14	1	23	60
016068 DR	1	13	27	147	.2	16	10	681	3.58	39	5	ND	16	50	.7	13	2	88	.71	.111	47	43	1.33	1578	.14	2	2.23	.03	.38	1	71	120
016069 DR	2	13	29	158	.1	14	8	581	3.08	63	5	ND	16	44	1.0	19	2	74	1.90	.116	59	33	.66	689	.05	5	1.53	.01	.16	2	131	360
016070 DR	2	14	23	149	.1	14	10	597	3.42	26	5	ND	15	62	.9	10	2	82	.87	.111	42	37	1.15	1567	.13	2	1.96	.03	.29	1	34	70
016071 DR	1	13	28	132	.2	12	10	692	3.26	21	5	ND	16	95	.6	8	3	80	2.06	.107	50	39	1.16	2011	.10	3	1.93	.03	.33	1	13	80
016072 DR	2	12	17	94	.1	13	8	577	3.13	13	5	ND	12	80	.3	2	2	77	1.90	.094	37	40	1.24	752	.06	2	1.85	.03	.23	1	12	50
016073 DR	10	61	31	272	1.2	39	7	367	2.33	864	5	ND	4	355	3.8	94	2	260	.24	.199	18	39	.08	2993	.01	9	.74	.01	.09	1	236	4300
016074 DR	13	75	22	260	.9	42	5	86	1.42	559	5	ND	2	492	4.2	80	2	519	.42	.321	10	62	.04	4681	.02	8	.73	.01	.08	2	73	3800
016075 DR	10	77	16	311	.8	47	5	123	1.64	681	5	ND	2	407	3.8	89	2	439	.26	.206	14	51	.04	3561	.01	9	.70	.01	.11	1	270	5200
016076 DR	6	35	27	242	1.2	38	9	698	3.14	2242	5	2	9	195	1.5	69	2	159	1.10	.110	25	27	.04	1982	.01	7	.60	.01	.09	2	2440	3700
016077 DR	3	16	30	281	1.0	32	11	1179	3.54	2148	5	3	10	72	1.1	576	2	35	2.15	.052	29	12	.05	1026	.01	4	.50	.01	.08	2	3780	2600
016078 DR	9	24	28	321	1.0	43	6	159	3.08	709	5	ND	4	131	.9	156	2	91	.20	.059	22	18	.03	1187	.01	7	.49	.01	.15	1	1470	2800
016079 DR	9	16	40	370	.5	47	3	49	2.66	434	5	ND	7	208	.2	53	4	45	.15	.120	25	13	.03	1049	.01	8	.49	.01	.12	2	370	2600
016080 DR	10	39	25	249	.8	40	3	31	1.90	287	8	ND	4	221	1.5	40	7	236	.24	.198	19	27	.03	1829	.01	7	.58	.01	.13	2	182	4600
016081 DR	10	109	9	393	2.3	66	5	89	1.75	215	13	ND	2	519	13.2	63	2	285	2.39	1.145	13	51	.04	2000	.01	12	.82	.01	.14	2	31	5400
016082 DR	12	55	13	407	1.1	91	6	134	1.85	155	5	ND	1	245	13.8	19	2	349	.77	.430	10	41	.04	1741	.01	12	.63	.01	.14	1	26	4100
STANDARD C/AU-R	19	58	37	132	7.1	72	32	1051	3.95	40	20	7	37	53	19.8	19	20	56	.51	.094	38	56	.89	180	.07	34	1.90	.06	.12	11	510	1400

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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	Hg ppb
016083 DR	8	45	5	206	2.0	48	3	73	1.73	94	6	ND	1	157	4.0	15	2	212	.45	.244	10	35	.04	1121	.01	9	.54	.01	.13	1	14	2500
016084 DR	17	62	5	452	2.3	88	5	284	2.07	98	6	ND	1	220	10.7	18	2	180	1.02	.444	14	39	.03	1186	.01	10	.72	.01	.15	1	7	1100
016085 DR	6	31	10	96	1.9	23	2	141	1.07	62	9	ND	1	127	3.5	7	2	389	.32	.214	9	34	.03	1116	.01	11	.51	.01	.14	1	8	3300
016086 DR	10	30	7	95	1.8	22	3	76	1.14	107	11	ND	1	201	3.1	8	4	301	.42	.321	9	31	.04	1936	.01	14	.56	.01	.14	1	10	4600
016087 DR	18	82	25	242	1.2	54	6	99	1.24	93	6	ND	1	225	4.6	16	2	389	.44	.238	8	40	.02	2492	.02	5	.56	.01	.07	1	11	2700
016088 DR	3	14	12	61	.5	12	1	34	.50	30	5	ND	1	192	1.5	5	2	41	.04	.030	2	5	.01	1444	.01	3	.07	.01	.01	1	6	3700
016089 DR	2	9	2	64	.3	12	1	42	.32	21	5	ND	1	147	1.2	3	2	36	.04	.025	2	5	.01	1464	.01	2	.05	.01	.01	1	3	1400
016090 DR	4	21	20	204	.2	24	2	85	.89	60	5	ND	1	50	2.2	11	2	92	.04	.031	2	9	.01	1637	.01	2	.19	.01	.01	1	6	760
016091 DR	2	8	6	100	.3	14	2	107	.30	20	5	ND	1	54	2.2	4	2	30	.04	.018	2	5	.01	1697	.01	2	.07	.01	.01	1	1	320
016092 DR	4	10	23	292	.1	37	10	881	2.99	89	5	ND	7	41	4.9	18	2	15	.36	.103	33	5	.05	1392	.01	5	.48	.01	.13	1	12	1400
016093 DR	5	12	24	268	.1	28	8	817	3.10	115	13	ND	8	34	3.0	30	2	16	.64	.120	36	6	.05	999	.01	4	.53	.01	.15	1	18	1500
016094 DR	4	15	29	201	.5	22	8	534	3.19	432	5	ND	9	54	4.7	14	5	14	.28	.098	36	3	.03	620	.01	3	.44	.01	.13	1	58	2600
016095 DR	14	76	26	371	1.0	71	5	350	1.57	123	8	ND	1	419	11.7	40	2	516	.46	.257	13	31	.04	1379	.01	13	.69	.01	.13	1	44	3000
016096 DR	10	67	31	256	1.2	65	4	516	1.48	107	6	ND	2	326	10.3	41	2	445	.34	.173	15	24	.05	1263	.01	10	.63	.01	.14	1	59	3800
016097 DR	7	78	11	80	1.0	27	2	76	.76	42	10	ND	1	406	4.3	9	2	645	.69	.347	12	51	.05	1832	.01	14	.70	.01	.15	1	18	7300
016098 DR	8	69	20	164	1.9	37	3	40	1.49	118	5	ND	1	546	2.8	13	2	532	.42	.378	13	46	.04	3503	.01	16	.83	.01	.14	1	23	5000
016099 DR	7	19	14	25	2.2	22	2	25	1.15	73	14	ND	2	244	.4	5	2	262	.23	.285	13	43	.03	2332	.01	15	.56	.01	.12	1	14	2400
016100 DR	23	52	23	274	1.7	45	4	36	2.47	225	5	ND	2	249	2.4	22	2	731	.09	.210	12	37	.03	1817	.02	6	.55	.01	.10	1	15	3200
016101 DR	25	51	27	155	.6	32	3	20	2.25	129	5	ND	1	185	1.5	13	2	380	.05	.078	9	39	.01	2201	.05	2	.50	.01	.04	1	9	2100
016102 DR	9	33	9	160	.5	38	4	38	1.69	100	5	ND	2	181	2.0	26	2	174	.04	.046	7	22	.01	1787	.01	6	.33	.01	.04	1	9	3000
016103 DR	2	6	3	31	.1	6	1	10	.34	25	5	ND	1	116	.6	3	2	39	.01	.009	2	5	.01	1750	.01	2	.04	.01	.01	1	1	1300
016104 DR	1	3	2	12	.1	3	1	9	.13	9	5	ND	1	185	.2	2	3	27	.01	.006	2	3	.01	1498	.01	2	.03	.01	.01	1	1	280
016105 DR	1	5	2	21	.1	4	1	12	.17	14	5	ND	1	151	.2	2	4	22	.01	.006	2	3	.01	1715	.01	4	.04	.01	.01	1	2	300
016106 DR	1	7	3	24	.1	4	1	17	.22	17	5	ND	1	193	.5	2	2	16	.01	.006	2	3	.01	1529	.01	3	.05	.01	.01	1	5	600
016107 DR	3	15	2	101	.1	17	2	64	.58	42	5	ND	1	45	2.4	7	3	49	.01	.011	2	5	.01	1696	.01	2	.10	.01	.01	1	2	490
016108 DR	2	8	6	113	.1	17	1	1066	.43	19	5	ND	1	110	4.8	4	2	39	1.09	.010	2	4	.41	1428	.01	2	.13	.01	.01	1	3	350
016109 DR	2	5	36	263	.7	16	1	4906	.83	13	5	ND	1	304	8.2	5	3	63	6.68	.030	2	6	2.87	1007	.01	2	.15	.01	.01	1	6	480
016110 DR	7	15	32	339	1.2	23	2	4539	2.08	51	5	ND	1	246	5.5	20	2	106	5.18	.041	2	11	2.16	972	.01	2	.18	.01	.01	1	5	8100
016111 DR	8	53	65	598	1.3	60	6	2155	1.73	73	5	ND	1	110	32.4	21	2	134	.99	.031	12	17	.25	1182	.01	4	.63	.01	.08	1	5	7000
016112 DR	13	62	30	478	.7	39	6	934	2.21	96	12	ND	6	95	16.5	18	7	88	.17	.040	27	17	.07	1134	.01	9	.57	.01	.16	1	8	4500
016113 DR	16	62	33	646	1.1	69	11	1167	2.15	123	5	ND	5	76	20.3	21	4	109	.15	.037	15	21	.03	2133	.01	2	.81	.01	.05	1	8	5600
016114 DR	6	71	24	797	.2	105	22	1746	4.03	91	7	ND	13	202	23.3	15	2	90	4.12	.171	57	75	.53	349	.01	2	.93	.01	.05	1	2	2900
016115 DR	11	56	8	970	.8	136	19	1616	2.61	111	5	ND	4	140	22.4	14	2	58	3.60	.031	23	25	.09	807	.01	4	.70	.01	.08	1	6	3300
016116 DR	17	78	18	553	1.4	101	20	260	3.91	73	7	ND	7	100	3.4	15	2	40	1.03	.029	21	22	.14	51	.01	2	.58	.01	.08	1	4	3100
016117 DR	5	73	48	3153	1.3	26	6	415	3.19	122	5	ND	1	40	52.9	20	2	33	1.41	.006	2	9	.47	45	.01	2	.28	.01	.04	1	23	3500

BCRC 90-125

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9009-013 File # 90-3913 Page 1

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5

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	Hg ppb
016118 DR	3	21	38	188	.1	29	14	705	4.09	237	5	ND	16	68	1.7	29	9	81	.77	.111	46	39	.75	1688	.12	3	1.60	.02	.10	1	290	1300
016119 DR	3	17	86	140	.1	23	10	549	3.36	41	5	ND	14	68	1.6	3	5	79	.90	.108	36	40	.97	1644	.19	2	1.55	.04	.15	1	16	80
016120 DR	2	15	57	129	.2	18	11	584	3.28	52	5	ND	15	67	.4	3	2	77	.88	.103	39	37	.89	1521	.16	2	1.54	.03	.15	1	21	110
016121 DR	3	17	49	136	.2	18	11	532	3.14	33	5	ND	16	61	.6	10	2	75	1.06	.108	51	40	.72	1602	.10	10	1.48	.02	.13	1	15	140
016122 DR	2	14	39	136	.1	20	13	747	3.69	74	5	ND	17	67	.6	9	2	89	.83	.108	46	42	1.05	2087	.21	5	1.90	.05	.34	1	12	200
016123 DR	4	16	76	278	.4	29	15	995	3.93	339	5	ND	17	90	1.5	35	11	71	.49	.097	44	33	.51	2784	.09	3	1.53	.02	.21	1	126	1300
016124 DR	3	17	36	178	.1	25	12	923	3.64	330	5	ND	18	82	.9	22	6	74	.56	.103	52	31	.18	945	.03	5	.93	.01	.13	1	230	2200
016125 DR	2	14	36	143	.1	17	12	720	3.66	150	5	ND	17	61	.5	9	7	91	.84	.107	43	43	1.06	1482	.18	6	1.89	.04	.45	1	57	180
016126 DR	2	13	24	104	.1	12	9	492	3.04	27	5	ND	12	69	.2	2	2	79	1.16	.102	31	37	1.07	836	.20	3	1.57	.04	.28	1	20	100
016127 DR	2	14	39	145	.1	17	10	691	3.44	66	5	ND	17	71	.8	8	2	82	2.22	.109	47	42	.87	1337	.15	2	1.59	.03	.28	1	27	240
016128 DR	2	14	40	163	.1	17	11	644	3.64	157	5	ND	17	62	1.3	17	3	85	1.43	.114	48	42	.96	1458	.15	4	1.77	.03	.38	1	41	330
016129 DR	4	14	32	165	.1	19	11	702	3.77	353	5	ND	18	50	1.1	25	2	74	.97	.125	54	36	.49	1062	.08	9	1.21	.02	.23	1	104	960
016130 DR	4	19	29	191	.4	29	13	875	4.35	626	5	ND	20	57	.7	45	2	62	.92	.130	64	33	.39	1446	.05	5	1.22	.01	.23	1	280	1200
016131 DR	4	15	31	196	.2	28	13	730	4.19	378	5	ND	17	63	.8	44	2	67	.88	.119	55	34	.61	2091	.09	11	1.75	.02	.33	1	76	670
016132 DR	6	26	52	322	.5	43	14	757	3.87	266	5	ND	14	111	2.1	39	5	65	.54	.125	47	24	.22	1620	.02	6	.99	.01	.17	1	43	1300
016133 DR	6	25	39	274	.3	34	13	911	3.89	139	5	ND	14	82	2.5	24	2	48	1.05	.127	41	25	.41	878	.02	6	.99	.02	.19	1	21	520
016134 DR	5	19	32	191	.1	26	12	889	3.81	154	5	ND	14	49	1.0	26	2	37	.70	.113	39	21	.35	833	.01	4	.95	.01	.14	1	18	320
016135 DR	4	15	36	168	.1	22	11	780	3.59	87	5	ND	13	45	1.0	18	2	30	.86	.103	32	19	.31	771	.01	4	.84	.01	.14	1	11	350
016136 DR	5	15	35	200	.1	24	13	878	3.71	116	5	ND	14	57	.9	30	9	32	1.11	.101	37	18	.11	803	.01	6	.65	.01	.11	1	9	1300
016137 DR	10	29	48	279	.3	44	13	856	3.63	166	5	ND	10	171	1.8	35	6	111	.49	.165	34	29	.09	2397	.01	7	.92	.01	.16	1	20	1500
016138 DR	9	45	32	128	1.7	69	7	324	2.16	98	8	ND	6	392	1.6	15	2	462	.69	.362	18	60	.08	3425	.01	16	.93	.01	.16	1	13	3300
016139 DR	15	84	5	256	1.8	84	8	269	1.80	65	7	ND	3	477	4.4	13	5	549	.99	.477	14	69	.05	4237	.01	13	.96	.01	.11	2	11	1500
016140 DR	16	63	14	175	2.1	63	5	108	1.63	57	6	ND	3	351	1.5	11	2	546	1.10	.490	13	71	.07	2176	.01	19	.90	.01	.15	2	7	1800
016141 DR	13	42	13	75	1.1	32	4	70	2.48	47	5	ND	3	222	.7	14	2	228	.41	.160	11	37	.08	593	.01	20	.81	.01	.27	1	5	1500
016142 DR	9	24	16	38	.5	14	4	75	2.63	36	5	ND	3	112	.7	10	2	100	.16	.060	8	19	.06	84	.01	19	.52	.01	.38	1	3	1200
016143 DR	7	17	15	49	.4	14	3	62	2.42	37	5	ND	4	123	.3	8	2	95	.20	.064	15	18	.06	102	.01	18	.50	.01	.29	1	3	1700
016144 DR	11	51	19	166	.8	34	6	154	3.21	151	5	ND	7	170	1.8	14	4	94	.28	.107	24	19	.07	432	.01	15	.52	.01	.19	1	48	3000
016145 DR	6	24	28	289	.3	46	10	305	3.99	276	5	ND	10	153	3.3	11	2	80	.37	.115	34	20	.13	160	.01	12	.77	.02	.30	1	65	1100
016146 DR	19	56	11	348	2.7	79	8	101	3.18	184	6	ND	5	421	3.3	25	2	383	.38	.332	15	64	.06	2382	.02	20	.86	.01	.11	4	36	4400
016147 DR	20	82	28	448	1.5	67	9	338	2.31	136	10	ND	6	321	23.3	16	2	618	.88	.341	22	53	.11	2721	.01	15	1.04	.01	.17	2	46	4800
016148 DR	8	44	24	705	.5	104	14	526	3.12	102	5	ND	11	164	9.2	22	2	189	1.51	.192	32	39	.77	950	.01	5	1.49	.01	.13	1	12	1500
016149 DR	4	18	9	165	.1	29	9	599	3.03	33	5	ND	13	259	1.0	4	3	84	2.90	.120	31	33	.80	566	.01	4	1.11	.01	.11	1	6	480
016150 DR	4	16	14	177	.1	27	11	701	3.29	25	5	ND	15	199	1.2	12	2	65	2.86	.109	39	34	.69	484	.01	4	1.16	.02	.12	1	5	330
016151 DR	3	12	11	174	.1	27	11	660	3.24	10	5	ND	16	174	.3	5	2	72	2.83	.108	45	42	1.00	437	.03	9	1.43	.02	.17	1	2	280
016152 DR	8	35	33	244	.8	42	13	706	3.58	203	5	ND	14	152	3.0	69	2	160	.56	.233	43	42	.09	1503	.01	10	1.02	.01	.12	1	85	2300
016153 DR	2	15	45	148	.2	17	15	1048	4.14	61	5	ND	19	92	1.0	18	10	76	.08	.060	49	31	.03	2398	.01	2	.82	.01	.02	1	15	1200
STANDARD C/AU-R	18	57	36	131	6.6	69	31	1050	3.96	40	20	7	36	50	18.8	16	21	52	.51	.091	37	56	.92	182	.07	36	1.89	.06	.11	11	460	1400

BCRC 90-126

BCRC 90-127

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: CUTTING AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: AUG 28 1990 DATE REPORT MAILED: Sept 1/90 SIGNED BY ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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	Hg ppb
016154 DR	3	16	52	173	.3	23	15	1124	4.70	524	5	ND	17	86	.2	25	5	78	.08	.059	49	28	.03	2355	.01	2	.74	.01	.05	1	420	2200
016155 DR	3	14	36	132	.4	19	11	1021	3.25	435	5	ND	12	104	.5	21	3	63	.43	.053	30	24	.01	2547	.01	7	.69	.01	.04	2	520	4800
016156 DR	2	12	34	109	.2	15	11	1169	3.92	717	5	2	10	102	.2	22	2	70	1.35	.040	28	28	.08	1968	.01	2	.68	.01	.02	3	1400	5400
016157 DR	3	15	42	142	1.0	18	10	1130	3.75	2226	5	8	10	83	.3	33	2	63	1.03	.037	29	24	.04	1623	.01	2	.63	.01	.04	2	5840	5500
016158 DR	2	11	64	142	.9	17	11	1099	3.59	1730	5	4	10	67	.3	24	2	60	1.07	.027	28	21	.03	1237	.01	7	.49	.01	.04	4	3090	4200
016159 DR	3	11	41	179	1.0	16	11	1358	4.05	2529	5	5	11	82	.6	29	2	54	2.68	.033	27	16	.09	1667	.01	8	.44	.01	.06	2	4980	5100
016160 DR	4	13	34	160	.2	20	13	1100	4.57	623	5	ND	17	80	.2	20	2	72	1.04	.098	48	32	.15	1969	.01	2	.83	.01	.06	1	290	2800
016161 DR	2	15	22	142	.2	21	15	603	4.48	365	5	ND	17	62	.2	29	4	88	.68	.122	66	48	.78	2546	.07	2	1.91	.01	.13	1	100	430
016162 DR	3	13	24	139	.3	17	11	940	3.77	404	5	ND	18	32	.2	18	3	68	.43	.130	61	26	.06	732	.01	6	.61	.01	.07	1	39	460
016163 DR	3	12	20	156	.4	35	16	919	4.92	443	5	ND	17	47	.4	35	5	83	.50	.125	59	48	.70	1830	.08	4	2.05	.01	.31	2	37	230
016164 DR	7	32	27	213	.4	60	14	662	3.99	543	5	ND	11	95	.6	45	2	79	.40	.127	43	22	.34	1426	.03	3	1.33	.01	.21	1	29	460
016165 DR	2	3	51	204	.2	21	10	560	4.18	585	5	ND	15	41	.4	36	2	70	.53	.114	53	22	.48	1277	.06	5	1.84	.01	.21	1	34	290
016166 DR	5	2	29	223	.1	24	11	687	3.90	592	5	ND	14	42	.2	32	2	69	.32	.110	53	17	.05	496	.01	3	.61	.01	.08	1	12	660
016167 DR	8	14	37	332	.1	40	15	1114	4.08	526	5	ND	13	79	2.0	63	2	42	.23	.091	49	13	.07	1947	.01	2	.85	.01	.16	1	30	2300
016168 DR	9	26	37	369	.3	45	13	857	4.44	1050	5	ND	10	113	3.2	59	2	32	.25	.118	47	8	.04	1613	.01	5	.63	.01	.15	1	162	2600
016169 DR	9	16	32	474	.4	52	13	1005	3.74	556	5	ND	13	70	3.1	53	5	34	.27	.120	43	13	.03	1514	.01	9	.52	.01	.10	1	54	2300
016170 DR	7	14	37	378	.2	50	14	963	3.61	236	5	ND	14	49	2.7	31	2	22	.35	.110	41	8	.04	1190	.01	7	.49	.01	.11	1	28	1900
016171 DR	9	15	59	471	.4	61	14	1147	3.64	361	5	ND	13	45	4.1	39	2	28	.44	.112	41	9	.04	1195	.01	5	.50	.01	.11	1	58	2200
016172 DR	11	17	40	522	.1	72	19	1156	3.77	339	5	ND	14	49	5.5	38	2	29	.47	.126	47	14	.03	789	.01	2	.57	.01	.10	1	31	2500
016173 DR	17	45	30	830	.7	142	27	1368	3.38	296	5	ND	8	249	8.6	64	2	152	.32	.192	34	26	.02	2356	.01	8	.71	.01	.07	1	41	5500
016174 DR	19	51	21	936	2.0	171	27	1167	2.99	266	5	ND	5	471	8.3	74	2	230	.28	.255	20	35	.03	3815	.01	13	.95	.01	.10	1	70	5400
016175 DR	13	49	19	649	3.7	118	15	481	2.12	182	7	ND	3	557	5.4	51	6	264	.28	.332	19	40	.02	4886	.01	5	.87	.01	.09	1	73	5800
016176 DR	13	94	32	884	1.2	136	17	535	3.88	211	7	ND	10	447	9.4	28	8	284	.37	.346	40	43	.03	4274	.01	2	1.12	.01	.09	1	30	3500
016177 DR	7	22	25	422	.5	55	12	783	4.19	72	5	ND	14	113	3.9	13	2	80	1.55	.145	43	27	.08	1133	.01	2	.65	.01	.07	1	13	1600
016178 DR	5	14	32	291	.3	36	10	756	3.38	132	5	ND	16	132	1.8	11	2	48	2.60	.129	43	20	.31	493	.01	7	.54	.01	.10	1	6	1200
016179 DR	4	11	33	284	.2	33	9	751	3.22	31	5	ND	15	181	1.3	11	2	41	3.21	.094	40	19	.41	685	.01	3	.54	.01	.09	1	2	580
016180 DR	9	12	31	548	.1	71	11	1074	3.86	198	5	ND	16	103	4.6	24	2	42	2.24	.118	46	19	.17	546	.01	2	.51	.01	.10	1	45	1500
016181 DR	6	12	30	343	.2	42	10	838	3.29	104	5	ND	17	159	1.9	21	2	49	2.52	.125	47	24	.49	463	.01	3	.56	.01	.09	2	32	1050
016182 DR	5	14	39	346	.2	36	10	763	2.93	27	5	ND	19	91	1.8	19	2	64	2.00	.133	60	23	.14	484	.01	7	.58	.01	.06	1	4	920
016183 DR	3	11	33	204	.3	25	9	796	3.32	32	5	ND	18	91	.7	13	2	61	2.30	.113	54	30	.71	524	.01	4	.53	.01	.06	1	5	1200
016184 DR	7	12	27	266	.2	60	14	2016	3.50	42	5	ND	17	204	2.4	17	2	57	2.91	.115	52	30	.86	503	.01	2	.52	.01	.08	1	3	1600
016185 DR	11	11	29	677	.3	88	15	2046	4.23	322	5	ND	17	177	5.2	31	2	53	2.88	.110	48	20	.34	798	.01	2	.47	.01	.08	1	340	1300

BCRC 90-128

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	Hg ppb
016186 DR	20	57	49	496	1.6	60	8	360	2.79	235	5	ND	10	191	5.8	16	5	269	.52	.181	36	41	.04	1205	.02	6	.63	.01	.12	1	13	870
STANDARD C/AU-R	20	61	36	131	7.2	72	32	1052	3.96	40	21	7	39	56	20.0	19	20	56	.52	.095	38	57	.89	182	.07	35	1.89	.06	.12	14	530	1300

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	Hg ppb
016187 DR	14	72	27	538	.9	79	8	176	2.37	60	5	ND	7	392	5.1	19	4	171	.44	.221	29	26	.04	1965	.01	5	.70	.01	.16	1	10	860
016188 DR	8	43	38	744	.8	72	9	347	3.24	158	5	ND	10	166	13.1	17	7	69	.33	.160	37	6	.02	1152	.01	2	.57	.01	.13	1	16	1300
016189 DR	23	79	66	794	1.3	116	8	192	3.09	142	5	ND	4	446	8.1	27	5	316	.55	.300	19	36	.03	2107	.02	8	.82	.01	.10	1	8	510
016190 DR	5	22	34	661	.7	51	9	635	2.72	55	5	ND	10	150	14.5	12	7	33	1.02	.118	28	4	.18	756	.01	2	.39	.01	.09	1	1	900
016191 DR	4	23	23	679	.4	106	12	690	2.68	48	5	ND	10	156	15.9	10	6	26	1.43	.111	25	6	.27	312	.01	6	.54	.01	.14	1	5	480
016192 DR	6	24	31	632	.5	56	8	254	2.75	69	5	ND	10	270	9.8	12	2	31	.31	.133	33	4	.05	608	.01	3	.50	.01	.16	1	1	2200
016193 DR	20	80	18	471	.9	90	8	242	2.23	153	5	ND	3	482	13.2	19	2	612	1.23	.564	22	41	.04	2001	.01	10	.95	.01	.22	1	226	2000
016194 DR	21	108	10	183	1.5	38	2	42	.97	56	5	ND	1	428	5.5	16	4	911	1.44	.592	15	57	.05	2097	.01	16	.87	.01	.26	1	90	2800
016195 DR	9	81	7	59	1.3	14	2	36	.68	28	8	ND	1	370	5.0	8	2	725	1.46	.606	14	54	.04	1716	.01	21	.72	.01	.21	3	34	2200
016196 DR	4	92	7	43	1.3	7	1	34	.57	21	5	ND	1	355	4.8	5	2	762	1.48	.612	15	55	.04	1576	.01	13	.74	.01	.22	3	77	3600
016197 DR	12	116	10	42	1.7	10	2	34	.85	37	8	ND	1	357	3.2	8	3	496	1.01	.468	17	48	.03	1588	.01	14	.67	.01	.21	2	93	3800
016198 DR	6	117	7	52	2.0	8	2	50	.79	58	8	ND	1	718	3.6	7	2	749	2.46	1.132	26	101	.04	3064	.01	17	.96	.01	.19	2	31	2900
016199 DR	8	137	5	39	2.4	14	2	27	.62	58	5	ND	2	445	2.5	4	2	680	2.01	.816	25	145	.04	1784	.01	16	.75	.01	.18	2	28	2400
016200 DR	10	119	4	74	2.0	15	2	28	.78	41	5	ND	2	251	2.3	6	2	634	1.05	.431	15	58	.03	1388	.01	13	.58	.01	.16	2	32	4500
016201 DR	9	144	21	54	2.1	15	3	29	.72	59	5	ND	1	449	2.2	6	3	812	1.61	.785	19	141	.04	4456	.02	14	.85	.01	.13	2	50	8500
016202 DR	32	114	83	84	1.4	11	2	28	1.12	111	5	ND	1	104	2.8	22	2	802	.15	.098	7	40	.02	1412	.05	6	.39	.01	.08	2	35	5000
016203 DR	73	92	629	298	8.6	19	3	18	2.87	290	5	ND	2	41	3.4	132	12	764	.04	.049	4	53	.01	1536	.12	2	.29	.01	.02	2	48	21000
016204 DR	6	48	54	609	.7	52	20	2008	5.04	353	5	ND	10	307	9.7	43	2	102	5.12	.127	29	50	1.77	84	.01	2	.56	.01	.05	1	34	3000
016205 DR	21	51	85	536	2.7	78	11	1394	3.06	373	5	ND	6	350	12.7	50	4	292	2.77	.305	25	56	.93	274	.01	4	.69	.01	.05	1	37	4300
016206 DR	84	44	422	278	2.5	34	5	102	2.60	396	5	ND	1	208	6.1	61	3	610	.47	.394	8	47	.03	3752	.03	3	.49	.01	.05	2	55	3800
016207 DR	45	17	168	102	2.8	12	3	41	1.83	311	5	ND	1	109	3.8	37	5	500	.12	.164	7	33	.01	2485	.03	3	.34	.01	.04	1	80	3300
016208 DR	17	55	41	319	.8	54	8	365	2.72	281	5	ND	9	191	2.7	34	3	183	.46	.162	33	36	.07	1387	.01	11	.80	.01	.17	1	161	2500
016209 DR	6	39	35	338	.3	51	15	1125	4.43	74	5	ND	23	107	1.1	12	9	39	2.32	.122	72	22	.07	907	.01	2	.62	.01	.10	1	24	1100
016210 DR	6	28	33	390	.1	50	15	1281	4.06	43	5	ND	22	83	.5	9	2	38	2.21	.139	64	28	.07	555	.01	2	.46	.01	.07	1	11	1700
016211 DR	8	33	31	648	.2	72	17	1013	4.70	75	5	ND	24	75	3.5	21	3	41	1.48	.158	73	23	.06	443	.01	2	.53	.01	.12	1	13	2200
016212 DR	12	47	35	944	.5	86	14	870	4.13	71	5	ND	22	102	10.3	18	5	72	.85	.159	69	23	.05	680	.01	6	.57	.01	.14	1	9	1600
016213 DR	32	104	24	659	2.4	116	5	106	2.29	130	6	ND	4	340	6.6	22	9	459	1.40	.528	22	52	.06	1555	.01	18	.88	.01	.21	1	43	1100
016214 DR	19	98	24	348	4.7	50	3	104	1.56	297	5	ND	2	461	6.3	13	8	600	1.13	.459	18	43	.05	1930	.01	16	.81	.01	.19	1	35	900
016215 DR	5	26	33	990	3.6	30	8	625	3.17	892	5	ND	9	94	7.0	9	12	39	.72	.124	26	7	.12	273	.01	7	.48	.01	.12	1	18	1400
016216 DR	4	16	30	778	1.1	22	9	684	3.19	507	5	ND	10	50	4.8	6	4	20	.23	.106	30	5	.03	221	.01	4	.47	.01	.13	1	12	1300
016217 DR	4	12	29	650	.9	31	7	374	2.49	64	5	ND	12	99	7.5	10	4	36	.19	.098	37	3	.02	270	.01	3	.45	.01	.12	1	3	1500
016218 DR	8	35	28	459	.9	38	4	65	2.36	104	5	ND	9	216	3.6	22	2	123	.41	.206	35	13	.03	737	.01	2	.62	.01	.15	1	15	3700
016219 DR	6	74	5	209	2.1	21	2	37	.99	57	5	ND	1	597	3.0	8	2	683	2.83	1.145	25	101	.03	2318	.01	14	.74	.01	.17	1	60	6500
016220 DR	8	95	3	105	1.9	22	4	63	.70	44	5	ND	1	771	2.7	8	2	550	1.73	.771	20	101	.03	3542	.01	12	.82	.01	.14	2	115	6800
016221 DR	11	83	5	100	.9	19	2	86	.70	41	5	ND	1	562	2.3	10	2	330	.74	.318	14	32	.03	1091	.01	11	.65	.01	.15	1	23	1050
016222 DR	11	80	6	119	.6	42	2	62	.83	46	5	ND	1	489	2.2	11	2	324	.62	.317	11	36	.03	2076	.01	9	.71	.01	.13	2	16	1300
STANDARD C/AU-R	19	57	35	132	6.8	70	32	1054	3.97	38	22	7	37	55	17.8	20	20	56	.52	.093	38	57	.90	181	.07	35	1.89	.06	.12	12	510	1400

BERC 90-128

BERC 90-129

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	Hg ppb
016223 DR	20	55	49	78	.8	19	2	46	.74	54	5	ND	1	92	2.0	16	3	789	.08	.053	8	44	.02	1230	.07	6	.35	.01	.05	2	17	3500
016224 DR	12	55	101	65	1.9	37	2	18	.64	51	5	ND	1	91	1.5	26	4	801	.06	.044	4	54	.01	1478	.11	3	.38	.01	.02	2	20	5000
016225 DR	20	73	118	61	4.3	19	3	14	1.04	54	5	ND	1	71	1.4	21	4	1092	.03	.036	3	63	.01	2911	.12	3	.31	.01	.02	2	6	10000
016226 DR	39	48	179	35	2.0	12	3	5	1.25	113	5	ND	1	55	.5	22	5	490	.03	.028	4	40	.01	2489	.10	2	.28	.01	.01	2	15	4500
016227 DR	39	48	49	43	1.2	15	3	4	1.39	91	5	ND	4	64	1.0	21	2	264	.04	.029	9	33	.01	2473	.04	2	.42	.01	.03	2	17	3600
016228 DR	6	6	8	8	.2	3	2	2	.31	21	5	ND	1	59	.2	13	3	31	.01	.008	2	6	.01	2061	.01	2	.04	.01	.01	1	4	1300
016229 DR	25	99	25	566	1.6	96	8	439	2.88	450	5	ND	7	343	5.0	66	3	728	1.11	.345	28	70	.18	2646	.01	14	1.16	.01	.20	2	127	6400
016230 DR	23	72	12	437	1.0	92	5	61	1.53	530	5	ND	1	424	3.7	101	2	620	1.32	.611	10	59	.04	3720	.01	15	.79	.01	.11	2	65	7200
016231 DR	23	80	16	395	1.1	89	4	43	1.47	562	5	ND	1	378	3.3	99	5	538	.98	.460	9	63	.02	2431	.02	9	.60	.01	.08	2	44	8900
016232 DR	19	75	18	412	.9	89	4	43	1.65	500	5	ND	1	349	2.5	67	5	391	.68	.342	11	46	.03	2280	.01	16	.66	.01	.12	1	96	5400
016233 DR	10	17	26	484	.4	71	11	556	3.08	735	6	ND	11	83	2.1	49	2	63	.11	.064	33	18	.02	733	.01	9	.53	.01	.09	1	770	2800
016234 DR	11	17	25	819	.3	104	13	551	3.64	551	5	ND	18	64	3.6	88	2	67	.26	.134	53	24	.02	611	.01	4	.62	.01	.06	1	105	1800
016235 DR	13	21	41	954	.4	121	13	635	3.91	893	5	ND	14	82	4.4	153	6	83	.11	.079	30	24	.01	739	.01	5	.63	.01	.05	1	460	3000
016236 DR	11	19	54	769	.8	81	13	1055	4.25	1819	5	ND	13	75	3.3	101	2	66	.11	.056	29	23	.02	704	.01	3	.57	.01	.06	2	1820	4300
016237 DR	12	15	32	860	.9	103	16	1246	4.14	1823	5	2	14	82	2.5	141	2	49	.14	.071	32	20	.02	809	.01	5	.63	.01	.06	1	2580	3800
016238 DR	14	45	21	245	.8	49	8	242	2.67	410	5	ND	5	119	1.1	29	2	165	.15	.051	18	24	.04	701	.01	9	.59	.01	.14	1	580	3100
016239 DR	8	35	29	418	1.6	56	7	389	2.39	106	5	ND	12	134	2.7	17	5	92	.19	.087	39	19	.03	454	.01	8	.55	.01	.15	1	56	1400
016240 DR	7	30	39	679	.3	63	17	1634	4.28	52	5	ND	23	92	3.8	11	4	30	2.12	.126	71	23	.10	442	.01	3	.60	.01	.12	1	7	1300
016241 DR	8	29	38	641	.3	56	15	1132	4.02	242	5	ND	22	147	8.3	13	4	27	1.27	.116	63	20	.13	666	.01	10	.58	.01	.13	1	58	1400
016242 DR	14	68	26	470	1.9	62	7	347	2.36	161	5	ND	9	344	6.5	16	2	284	1.31	.441	33	57	.07	1931	.01	10	.72	.01	.13	1	31	2000
016243 DR	12	94	19	388	2.0	48	3	74	2.09	231	6	ND	3	552	6.6	19	9	492	2.61	1.208	28	80	.05	1630	.01	18	1.06	.01	.24	2	34	2100
016244 DR	3	19	34	542	.8	26	9	624	3.27	729	5	ND	9	110	4.2	12	4	20	1.17	.122	24	7	.35	241	.01	5	.52	.01	.12	1	107	620
016245 DR	3	14	27	527	.7	23	7	646	2.82	302	5	ND	9	167	1.5	10	2	14	1.97	.098	21	5	.69	200	.01	5	.49	.01	.13	1	54	1500
016246 DR	3	17	26	714	.9	46	8	788	2.65	200	5	ND	8	162	3.0	10	4	13	2.17	.088	26	7	.67	223	.01	5	.47	.01	.11	1	13	2200
016247 DR	9	119	17	588	2.9	87	5	208	1.64	221	5	ND	4	292	15.3	13	4	299	.77	.378	27	83	.07	1514	.01	8	.74	.01	.14	1	73	7600
016248 DR	10	157	11	138	2.4	26	2	41	1.27	141	8	ND	1	472	11.1	12	6	1143	2.58	1.202	21	128	.08	2287	.02	25	1.18	.01	.35	1	27	5800
016249 DR	10	97	7	80	.5	26	2	35	1.07	87	5	ND	1	320	3.7	9	3	364	.54	.309	11	38	.04	2266	.01	10	.64	.01	.13	2	12	2700
016250 DR	9	97	5	134	.6	46	2	27	1.08	70	5	ND	1	341	3.4	17	3	315	1.24	.546	14	37	.03	1419	.01	8	.65	.01	.15	1	10	2900
025001 DR	16	61	8	104	.6	41	2	28	.84	45	5	ND	1	119	1.3	13	5	474	.14	.075	9	29	.03	800	.01	7	.48	.01	.09	1	13	6000
025002 DR	32	79	41	193	3.2	86	3	26	1.42	98	5	ND	1	41	2.1	43	5	929	.05	.036	5	52	.01	1544	.08	3	.61	.01	.04	2	18	7900
025003 DR	12	33	40	267	1.5	42	10	876	3.50	1413	5	ND	16	184	1.0	87	7	119	.34	.156	48	29	.07	1793	.01	8	.77	.01	.15	1	1860	3400
025004 DR	6	30	41	252	1.2	34	13	996	4.29	2235	5	ND	22	115	1.4	85	2	36	.45	.074	61	19	.03	1312	.01	4	.56	.01	.11	1	980	2800
025005 DR	7	27	42	308	1.4	40	13	987	4.30	2379	5	ND	24	128	2.3	84	5	32	.24	.103	70	18	.03	1355	.01	6	.57	.01	.12	1	1200	3000
025006 DR	7	30	45	288	1.0	41	15	1054	4.64	2290	5	ND	25	133	1.2	72	3	31	.22	.094	74	21	.03	1337	.01	7	.56	.01	.11	1	1010	2200
025007 DR	10	23	23	307	1.0	60	10	647	3.10	746	5	ND	9	127	1.7	51	7	63	.19	.066	32	18	.03	849	.01	7	.57	.01	.12	1	1410	2600
STANDARD C/AU-R	20	59	38	129	7.0	72	32	1052	3.96	39	21	7	39	56	18.9	22	22	56	.52	.095	39	58	.89	182	.07	38	1.89	.06	.13	12	520	1200

BOAC 90-130

RC 90-130

BOAC 90-131

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	Hg ppb
025008 DR	8	34	5	43	.9	32	3	105	1.28	155	6	ND	1	335	1.6	13	2	253	.42	.251	8	26	.03	2237	.01	10	.60	.01	.13	1	26	7100
025009 DR	9	62	9	52	1.1	40	3	93	1.11	174	6	ND	1	399	2.5	10	2	322	.43	.256	10	35	.02	2296	.01	7	.56	.01	.09	1	190	5300
025010 DR	21	84	13	175	1.5	68	4	39	1.22	104	6	ND	2	558	4.2	13	2	414	.77	.393	11	43	.03	2436	.01	12	.73	.01	.11	1	40	3200
025011 DR	14	62	17	248	.6	79	5	39	2.21	106	7	ND	3	300	3.2	14	2	210	.58	.270	18	40	.03	1454	.01	8	.70	.01	.14	1	28	1100
025012 DR	11	44	16	207	.5	60	5	27	2.33	97	5	ND	3	186	1.2	13	2	116	.16	.112	17	16	.02	653	.01	9	.53	.01	.13	1	32	1700
025013 DR	15	68	13	175	1.5	38	3	33	1.61	87	5	ND	1	258	2.6	14	2	183	.94	.433	16	28	.03	1389	.01	15	.63	.01	.15	2	15	900
025014 DR	12	47	45	388	.5	64	14	726	4.07	298	5	ND	15	138	4.9	38	4	83	.47	.206	56	20	.03	924	.01	4	.56	.01	.11	1	53	2200
025015 DR	3	15	21	153	.3	21	11	525	3.46	92	5	ND	14	52	1.2	26	2	45	.97	.112	44	28	.43	879	.01	5	1.26	.01	.15	1	14	620
025016 DR	5	13	33	122	.4	19	10	699	3.56	165	5	ND	13	52	.5	16	2	38	1.26	.109	43	15	.11	383	.01	2	.51	.01	.10	1	61	1900
025017 DR	5	20	22	332	.2	47	10	597	3.02	116	5	ND	12	73	1.3	25	2	81	.71	.208	44	25	.33	877	.05	2	1.10	.01	.22	1	57	2400
025018 DR	31	102	28	441	1.7	43	2	52	1.39	246	5	ND	2	160	7.8	20	2	1524	.84	.342	21	79	.07	1557	.02	14	.85	.01	.30	1	138	22000
025019 DR	15	175	16	541	3.7	67	4	713	1.56	238	13	ND	1	458	17.2	32	2	1056	2.49	1.079	19	104	.05	2557	.02	15	.95	.01	.22	1	133	15600
025020 DR	10	87	29	564	2.7	72	6	560	2.18	285	5	ND	7	164	10.8	30	4	239	1.08	.438	30	25	.03	844	.01	7	.68	.01	.13	1	220	5800
025021 DR	7	22	25	596	.4	94	11	908	3.44	204	5	ND	15	43	2.8	21	2	74	.38	.133	47	20	.04	362	.01	3	.59	.01	.09	1	126	4300
025022 DR	5	17	26	412	.3	67	9	816	3.07	136	5	ND	16	36	1.5	18	5	76	.38	.120	51	24	.03	294	.01	2	.53	.01	.07	1	37	2900
025023 DR	4	14	21	250	.2	36	10	645	2.95	218	5	ND	14	68	1.2	14	4	62	1.00	.115	46	26	.24	425	.02	2	.78	.01	.15	1	27	2300
025024 DR	2	12	20	119	.3	17	9	533	2.86	28	5	ND	12	147	.8	13	2	67	2.15	.103	34	32	.86	467	.01	3	1.52	.02	.14	1	35	420
025025 DR	2	11	19	113	.2	15	8	581	2.83	21	5	ND	13	146	.9	13	2	50	2.59	.095	32	27	.66	413	.01	3	1.34	.01	.11	1	15	170
025026 DR	2	10	26	145	.1	18	9	597	3.07	160	5	ND	12	158	.8	11	2	45	2.29	.099	32	25	.67	1044	.01	2	1.38	.01	.12	1	82	160
025027 DR	5	30	34	171	.7	24	10	695	3.38	205	5	ND	17	91	1.9	90	2	114	.50	.174	40	36	.05	1335	.01	5	.71	.01	.07	1	63	4500
025028 DR	3	15	31	133	.2	17	12	774	3.52	295	5	ND	17	43	.4	124	8	72	.27	.106	39	30	.03	1928	.01	3	.60	.01	.05	1	116	2000
025029 DR	4	18	28	191	.1	27	11	932	3.14	610	5	ND	16	53	.9	112	3	58	.24	.096	51	24	.04	1051	.01	5	.66	.01	.05	1	109	1600
025030 DR	7	18	31	281	.3	45	12	793	3.50	970	5	ND	10	86	.6	100	2	48	.14	.070	36	17	.03	1144	.01	4	.56	.01	.07	1	1020	2700
025031 DR	9	12	22	133	.4	21	11	1031	3.52	1340	5	2	7	45	.3	62	2	38	.09	.030	23	23	.03	806	.01	2	.44	.01	.06	1	1890	5000
025032 DR	7	14	24	102	.2	16	11	687	3.71	944	6	ND	11	39	.2	63	4	34	.21	.078	37	16	.03	535	.01	5	.55	.01	.08	1	610	3900
025033 DR	6	10	25	133	.2	17	10	732	3.14	428	5	ND	13	27	.2	36	7	42	.25	.092	36	20	.04	379	.01	2	.56	.01	.08	1	99	2000
025034 DR	10	16	29	301	.4	36	12	1019	3.77	833	12	ND	11	37	.3	47	10	47	.23	.088	33	26	.03	515	.01	4	.57	.01	.08	1	590	2300
025035 DR	11	24	23	467	.4	61	11	799	3.55	1052	5	ND	7	71	1.4	49	6	38	.13	.048	28	10	.03	1771	.01	4	.56	.01	.11	1	2690	1500
025036 DR	6	23	22	77	.3	10	3	42	1.44	179	5	ND	5	134	.5	16	4	55	.09	.045	20	14	.02	1082	.01	5	.42	.01	.12	1	71	1400
025037 DR	6	15	12	85	.9	19	4	64	1.74	535	5	ND	7	99	1.0	21	5	30	.10	.031	29	7	.03	697	.01	6	.45	.01	.16	1	1180	1000
025038 DR	10	10	33	386	.8	44	15	1075	4.01	1357	5	2	11	60	1.1	29	5	24	.10	.053	33	6	.02	914	.01	4	.48	.01	.10	1	1980	2200
025039 DR	11	5	23	299	.7	30	10	893	3.94	1728	5	2	11	64	.6	22	2	16	.10	.050	31	6	.02	770	.01	2	.43	.01	.11	1	2290	2300
025040 DR	10	19	21	296	.8	46	9	106	3.84	463	5	ND	9	224	.2	23	2	20	.10	.076	29	7	.03	562	.01	3	.47	.01	.15	1	350	1500
025041 DR	16	20	23	359	.6	66	7	60	4.26	340	5	ND	9	84	.2	53	2	27	.09	.078	26	7	.02	547	.01	4	.48	.01	.10	1	320	2000
025042 DR	14	20	24	369	.8	67	9	78	4.34	621	5	ND	10	106	.7	59	2	21	.09	.086	25	7	.02	548	.01	4	.47	.01	.12	1	1410	1600
025043 DR	7	19	19	124	.1	27	4	35	2.62	138	5	ND	7	217	.2	29	2	41	.16	.061	27	15	.03	572	.01	5	.45	.01	.19	1	149	2300
STANDARD C/AU-R	19	57	38	132	7.0	70	32	1051	3.99	41	20	7	37	52	18.6	15	20	56	.52	.094	38	57	.89	183	.07	36	1.88	.06	.14	13	550	1600

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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	Hg ppb
025044 DR	10	28	22	153	.6	29	4	56	2.71	92	5	ND	8	458	.2	43	2	126	.21	.098	33	24	.05	339	.01	9	.73	.01	.25	1	132	2300
025045 DR	9	19	18	26	.8	14	2	44	1.25	55	5	ND	5	171	.2	24	2	112	.16	.051	20	28	.03	1009	.01	8	.49	.01	.17	1	91	2200
025046 DR	25	12	14	43	.6	13	1	10	1.80	47	5	ND	5	109	.2	36	5	190	.15	.051	24	14	.03	879	.01	9	.52	.01	.21	2	55	2500
025047 DR	9	12	23	11	.7	10	1	6	.92	19	5	ND	4	68	.2	14	3	65	.17	.034	15	11	.04	980	.01	15	.63	.01	.24	1	15	2700
025048 DR	13	17	20	8	1.7	21	1	8	.57	15	5	ND	3	142	.4	13	2	164	.16	.086	12	22	.03	2244	.01	13	.59	.01	.14	1	66	4500
025049 DR	16	24	13	47	1.5	28	2	12	1.11	45	5	ND	2	323	1.9	11	2	291	.18	.203	9	51	.03	2282	.01	14	.60	.01	.12	1	63	5300
025050 DR	11	51	17	167	1.8	51	4	26	1.86	116	5	ND	2	433	2.8	17	2	358	.42	.428	10	47	.02	2100	.01	10	.77	.01	.11	1	64	3900
025051 DR	4	19	63	184	.2	16	11	685	3.55	166	5	ND	16	53	1.0	18	2	79	.45	.113	49	38	.27	969	.05	2	1.07	.01	.19	1	99	1300
025052 DR	4	18	40	117	.3	15	11	781	3.47	164	5	ND	16	82	.3	13	3	67	.32	.089	52	28	.05	1029	.01	2	.69	.01	.06	1	76	1800
025053 DR	4	17	78	188	.3	15	10	938	3.49	159	5	ND	15	112	.8	18	2	56	1.89	.098	46	33	.07	1076	.01	5	.74	.01	.09	1	81	1600
025054 DR	5	20	53	167	.3	17	11	1015	4.24	324	5	ND	16	127	.6	28	4	69	.30	.076	37	28	.04	1158	.01	2	.78	.01	.05	1	92	3100
025055 DR	5	19	44	152	.4	18	13	1021	4.50	288	5	ND	16	138	.3	24	5	71	.18	.071	37	32	.07	1140	.01	4	.84	.01	.05	1	85	5800
025056 DR	5	18	45	147	.3	17	11	961	4.12	595	6	ND	16	109	.6	32	2	62	.39	.067	43	27	.03	1134	.01	3	.71	.01	.05	1	440	4600
025057 DR	5	16	46	122	.3	14	11	708	3.77	183	5	ND	16	139	.3	24	3	65	.28	.044	38	33	.03	813	.01	2	.71	.01	.03	1	62	5200
025058 DR	5	18	49	140	.3	13	11	922	4.37	256	5	ND	14	146	.6	21	2	74	.57	.053	39	32	.20	904	.01	3	.74	.01	.04	1	94	5000
025059 DR	5	18	39	139	.3	14	11	820	4.07	295	5	ND	17	105	.5	20	6	76	.67	.083	47	34	.26	914	.02	2	.99	.01	.11	2	108	3300
025060 DR	3	15	23	107	.2	12	9	649	3.47	239	5	ND	15	93	.5	8	3	82	1.53	.105	48	39	.83	701	.11	2	1.44	.03	.33	1	138	900
025061 DR	3	13	16	106	.1	14	8	655	3.27	196	5	ND	14	126	.3	6	2	58	1.98	.103	42	40	.84	533	.02	3	1.43	.03	.17	1	173	370
025062 DR	3	17	21	70	.1	13	8	606	3.43	307	5	ND	10	84	.2	18	2	30	1.24	.101	37	16	.37	425	.01	2	.78	.02	.16	1	121	580
025063 DR	6	23	37	286	.6	28	12	780	4.14	1043	5	ND	11	79	1.4	46	3	29	.50	.089	42	15	.13	1334	.01	3	.73	.01	.17	1	230	2100
025064 DR	3	13	44	321	.5	13	9	582	3.46	298	5	ND	9	114	2.3	14	5	16	1.65	.100	30	7	.33	228	.01	8	.54	.01	.18	1	46	1500
025065 DR	5	22	102	272	.8	30	12	574	3.73	1429	5	ND	9	68	1.0	39	3	21	.47	.077	35	8	.09	586	.01	6	.51	.01	.16	1	420	1600
025066 DR	8	27	38	204	.5	29	7	272	3.04	385	5	ND	8	80	.6	19	3	54	.45	.051	32	23	.11	908	.01	7	.58	.01	.19	1	126	1400
025067 DR	4	15	25	108	.3	19	6	156	3.26	276	5	ND	9	100	.2	14	2	18	.14	.061	36	6	.04	341	.01	5	.42	.01	.27	1	38	800
025068 DR	4	10	33	156	.4	27	14	892	4.10	619	5	ND	13	70	.4	21	7	15	1.12	.093	43	7	.06	655	.01	6	.64	.01	.18	1	147	1100
025069 DR	4	7	29	112	.3	15	10	794	3.62	268	5	ND	11	106	.2	25	2	15	2.08	.080	37	6	.18	575	.01	2	.55	.01	.15	1	68	1500
025070 DR	5	11	24	152	.6	29	13	1172	3.91	1646	5	ND	12	99	.4	38	2	15	1.01	.079	33	10	.13	584	.01	2	.62	.01	.13	1	820	1100
025071 DR	5	7	30	100	.1	15	10	846	3.67	292	5	ND	9	108	.2	14	2	13	2.01	.083	30	5	.16	590	.01	2	.66	.01	.16	1	67	560
025072 DR	9	18	32	192	.4	39	14	850	4.22	212	5	ND	13	91	.2	17	2	18	.57	.093	39	6	.07	675	.01	7	.76	.01	.19	1	37	510
025073 DR	18	24	26	142	.4	29	7	200	3.39	153	5	ND	8	157	.2	23	2	68	.29	.067	29	11	.06	655	.01	6	.60	.01	.23	1	28	560
025074 DR	10	13	23	53	.3	13	4	78	2.39	51	5	ND	6	118	.2	12	2	40	.20	.035	33	9	.05	369	.01	12	.50	.01	.25	1	18	500
025075 DR	8	15	20	19	.3	5	2	41	1.93	40	5	ND	7	103	.2	10	6	37	.18	.027	29	10	.05	278	.01	11	.53	.01	.28	1	20	680
STANDARD C/AU-R	19	57	39	131	7.1	72	31	1050	3.96	38	21	7	37	53	19.8	18	22	55	.51	.096	38	57	.89	181	.07	33	1.88	.06	.12	12	530	1600

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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	Hg ppb
025076 DR	13	45	38	206	5.5	36	5	223	2.12	1179	5	4	9	231	6.1	81	4	194	.59	.204	36	26	.10	1355	.01	14	.59	.01	.11	2	4680	3300
025077 DR	4	33	36	50	1.9	19	2	79	1.66	3050	5	5	9	93	1.4	157	3	48	.12	.076	40	14	.02	1298	.01	4	.43	.01	.07	1	4770	2500
025078 DR	4	42	57	64	5.2	16	2	48	1.85	3764	5	7	9	71	2.0	207	3	39	.08	.078	37	12	.01	1414	.01	2	.47	.01	.08	1	8730	3800
025079 DR	5	126	49	163	2.6	37	4	81	1.78	1251	5	2	3	341	11.1	6574	2	185	.24	.224	25	39	.03	1479	.01	5	.72	.01	.09	1	3390	9600
STANDARD C/AU-R	19	58	40	131	6.9	73	31	1050	3.97	42	18	7	39	56	18.9	14	20	57	.50	.099	40	60	.88	183	.08	37	1.88	.08	.12	10	480	1500

90-134

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	Hg ppb
025080 DR	11	111	30	496	.4	144	19	226	3.78	711	5	ND	8	131	4.5	408	2	59	.20	.095	36	25	.07	1837	.01	14	.97	.01	.22	1	250	5100
025081 DR	14	81	27	583	.5	131	29	473	4.60	444	5	ND	10	66	10.5	81	2	44	.19	.064	39	21	.07	3180	.01	18	1.18	.01	.31	2	113	4300
025082 DR	13	62	25	272	.6	99	22	457	3.96	261	5	ND	8	155	5.6	42	5	35	2.71	.054	31	17	.08	4166	.01	9	.94	.01	.24	1	102	4000
025083 DR	10	51	26	183	.2	82	18	590	3.46	86	5	ND	9	391	1.1	18	2	28	7.39	.045	31	15	.12	2879	.01	13	.66	.01	.21	1	34	2400
025084 DR	10	50	28	201	.7	84	17	414	3.09	74	5	ND	10	287	1.3	15	5	22	5.64	.051	32	13	.11	2822	.01	16	.70	.01	.25	1	24	2200
025085 DR	12	45	17	163	.5	70	17	338	3.56	70	5	ND	8	205	1.1	16	2	20	3.90	.039	31	11	.30	2344	.01	14	.58	.01	.20	1	42	2700
025086 DR	10	48	22	159	.3	70	15	472	3.10	83	5	ND	8	328	.7	12	2	26	7.15	.047	30	15	.14	2538	.01	20	.79	.01	.29	1	27	2400
025087 DR	12	62	30	261	1.5	84	21	832	4.13	415	5	ND	10	149	2.4	21	3	26	3.69	.052	32	15	.10	1454	.01	12	.66	.01	.19	1	86	5700
025088 DR	9	62	39	513	1.5	78	13	582	3.99	1087	5	ND	10	261	3.9	19	2	112	2.01	.338	35	30	.17	1800	.01	11	.80	.01	.17	2	54	8300
025089 DR	8	44	18	490	.7	75	19	1180	4.80	814	5	ND	12	134	2.0	15	3	68	4.36	.117	38	51	.14	1326	.01	6	.73	.01	.09	2	270	3200
025090 DR	14	58	19	419	2.0	68	12	847	4.08	675	5	ND	10	209	2.1	22	5	61	2.74	.270	37	42	.12	1720	.01	17	.93	.01	.22	2	320	3300
025091 DR	9	62	33	347	1.3	82	12	623	3.98	185	5	ND	8	147	2.6	17	2	47	2.57	.073	22	26	.31	855	.01	9	.78	.01	.18	1	78	2800
025092 DR	5	41	20	201	.8	41	10	844	2.73	144	5	ND	6	153	1.9	9	2	19	5.50	.026	16	18	.91	515	.01	6	.52	.01	.17	1	62	580
025093 DR	4	49	19	167	.7	43	11	795	3.00	92	5	ND	6	98	.4	7	2	16	6.15	.021	21	19	.49	444	.01	7	.58	.01	.18	1	40	450
025094 DR	3	40	19	147	.5	48	10	609	2.55	53	5	ND	7	130	.8	7	3	15	3.80	.020	24	19	.76	693	.01	12	.69	.01	.23	1	35	280
025095 DR	3	37	19	166	.8	52	12	890	3.17	60	5	ND	9	161	1.0	12	3	27	3.77	.024	28	26	1.08	611	.01	9	.64	.01	.19	1	38	2100
025096 DR	4	39	16	198	.4	75	14	1155	3.65	35	5	ND	8	208	1.4	6	2	37	7.04	.032	22	36	.63	587	.01	6	.59	.01	.12	1	13	460
025097 DR	10	56	20	192	.9	81	13	458	3.47	33	5	ND	10	96	1.1	9	2	39	1.03	.037	30	35	.18	546	.01	10	.79	.01	.25	1	20	240
025098 DR	5	22	25	188	.5	35	15	1179	4.03	1044	5	ND	13	73	.3	77	3	26	1.02	.079	42	17	.09	972	.01	5	.54	.01	.12	2	460	4500
025099 DR	4	23	35	159	.4	35	16	1279	4.01	1057	6	ND	14	63	.5	4813	7	31	.89	.099	44	19	.08	1208	.01	12	.61	.01	.16	1	700	4300
025100 DR	4	17	21	169	.6	34	19	1178	4.48	1502	5	ND	15	62	.2	1522	2	34	.43	.095	49	15	.04	1320	.01	9	.50	.01	.13	1	880	4100
025101 DR	4	29	17	172	.4	41	21	1048	5.82	855	5	ND	15	32	.2	502	10	22	.29	.108	51	9	.03	637	.01	9	.48	.01	.15	1	81	3300
025102 DR	3	21	22	238	.2	39	26	1909	5.81	837	5	ND	14	27	.2	409	2	16	.19	.107	50	6	.03	682	.01	6	.51	.01	.15	1	84	1700
025103 DR	3	10	19	148	.6	18	9	398	4.51	2631	5	ND	14	43	.7	158	2	16	.19	.103	39	7	.03	715	.01	7	.41	.01	.23	2	1360	1900
025104 DR	4	38	35	289	.4	30	16	1200	4.72	1451	8	ND	16	33	1.1	248	7	18	.21	.089	49	7	.03	635	.01	6	.43	.01	.14	2	125	5100
025105 DR	5	45	32	364	.8	42	13	492	5.01	2001	5	ND	16	37	3.2	559	2	21	.58	.084	45	9	.05	733	.01	5	.44	.01	.14	2	200	3200
025106 DR	5	64	27	384	2.7	46	18	1195	4.67	2723	5	3	10	60	8.8	797	3	31	.17	.072	35	8	.02	761	.01	5	.47	.01	.18	1	2590	3500
025107 DR	9	63	26	285	8.5	48	8	204	3.22	2009	5	5	7	206	4.2	288	4	95	.33	.156	28	23	.04	1450	.01	10	.69	.01	.17	3	8170	7100
025108 DR	8	43	52	296	1.9	53	14	320	3.82	1139	5	ND	10	104	1.5	149	4	51	.31	.165	32	15	.04	1310	.01	11	.68	.01	.17	2	460	7300
025109 DR	13	55	29	240	.6	106	23	627	5.14	227	5	ND	9	99	1.7	37	11	35	.35	.085	38	22	.07	3293	.01	12	.79	.01	.25	1	105	3600
025110 DR	21	52	27	189	1.4	92	18	399	4.32	296	5	ND	8	69	1.6	19	5	38	.28	.046	32	16	.05	1052	.01	11	.52	.01	.19	1	320	4300
025111 DR	7	41	21	288	1.8	35	10	476	3.65	2283	5	2	12	174	3.3	26	2	49	.67	.240	42	20	.04	1246	.01	11	.58	.01	.15	3	1820	4400
025112 DR	5	83	17	382	2.4	106	7	915	2.04	380	5	ND	4	342	2.4	23	2	52	4.18	.229	20	42	1.75	1149	.01	11	.47	.01	.13	1	75	2600
025113 DR	6	48	17	343	.4	82	23	1235	5.19	370	5	ND	16	204	1.2	23	6	78	4.12	.181	42	61	1.20	156	.06	5	.75	.01	.26	2	34	1100
025114 DR	4	47	17	206	.6	60	12	635	2.96	211	5	ND	8	348	1.3	25	6	39	4.71	.188	24	31	1.75	188	.01	17	.74	.01	.26	1	41	660
025115 DR	1	31	11	81	.4	32	8	543	2.47	68	5	ND	7	342	.9	15	3	16	6.31	.028	16	19	2.60	149	.01	19	.55	.01	.22	1	45	230
STANDARD C/AU-R	19	59	36	131	6.8	72	32	1054	3.97	38	17	7	36	53	18.8	17	21	55	.59	.096	37	59	.90	180	.07	36	1.89	.06	.12	11	530	1600

BERC 90-135

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	Hg ppb
025116 DR	1	32	13	78	.3	23	7	475	2.39	31	5	ND	5	254	.2	11	5	14	5.20	.022	18	23	2.26	171	.01	15	.56	.01	.23	1	17	110
025117 DR	2	45	27	110	.8	31	9	323	1.85	38	5	ND	6	184	.5	6	2	11	2.24	.022	23	21	1.11	220	.01	14	.55	.01	.24	1	18	140
025118 DR	2	43	22	77	.4	30	8	335	2.24	22	5	ND	5	157	.2	9	2	10	2.34	.018	21	20	1.12	215	.01	15	.54	.01	.22	1	9	80
025119 DR	2	49	67	164	1.9	45	10	409	2.43	80	5	ND	5	201	.9	15	2	12	2.47	.022	20	22	1.31	237	.01	13	.50	.01	.22	1	23	110
025120 DR	4	48	182	278	3.1	57	11	452	2.83	113	5	ND	6	213	1.0	38	2	19	2.69	.044	26	28	1.41	378	.01	14	.68	.01	.29	1	29	200
025121 DR	11	58	1583	506	6.2	55	10	538	2.96	585	5	ND	7	256	5.5	230	2	25	3.16	.045	24	31	1.68	422	.01	13	.68	.01	.29	1	190	350
025122 DR	2	17	43	179	.3	43	12	715	3.70	1088	5	ND	17	61	.3	74	2	56	.44	.128	50	26	.07	888	.01	7	.80	.01	.08	2	99	4800
025123 DR	1	16	49	265	.4	38	12	835	4.06	967	5	ND	16	74	.6	70	2	45	.17	.073	54	18	.05	972	.01	7	.71	.01	.08	1	285	2800
025124 DR	2	16	38	227	.1	35	11	806	3.71	596	5	ND	15	66	.7	73	2	48	.18	.072	42	21	.04	802	.01	8	.69	.01	.08	1	22	3400
025125 DR	2	16	38	117	.3	26	12	682	3.89	777	5	ND	15	61	.2	45	2	54	.42	.089	58	24	.08	902	.01	5	.97	.01	.08	1	206	5200
025126 DR	2	16	32	114	.3	20	11	855	3.76	712	5	ND	15	77	.3	46	3	57	1.03	.078	45	25	.06	1042	.01	7	.83	.01	.07	1	81	7100
025127 DR	2	15	30	179	.4	25	12	1051	4.17	1141	5	ND	14	78	.3	90	2	56	.83	.068	55	25	.08	1128	.01	4	1.00	.01	.08	1	1083	6200
025128 DR	2	17	29	103	.6	15	10	728	3.72	1420	5	2	14	90	.2	60	2	35	2.08	.083	44	16	.06	1138	.01	7	.64	.01	.10	1	2090	7500
025129 DR	2	17	29	147	.3	16	11	605	3.63	1157	5	ND	13	94	.2	86	2	44	2.38	.076	40	21	.06	1218	.01	5	.62	.01	.07	1	950	7800
025130 DR	3	17	28	165	.1	20	10	547	3.46	799	5	ND	14	93	.2	94	2	49	2.09	.060	40	24	.06	1090	.01	7	.64	.01	.07	1	257	7400
025131 DR	2	16	38	138	.3	17	9	485	3.06	1150	5	ND	15	72	.2	149	2	34	.77	.060	42	17	.04	975	.01	5	.61	.01	.09	2	665	6800
025132 DR	2	21	30	107	1.1	15	11	791	3.33	1438	5	ND	14	72	.2	73	2	22	.34	.084	47	11	.04	1400	.01	8	.62	.01	.10	1	912	5400
025133 DR	3	19	26	153	1.7	11	9	1060	4.59	1113	5	ND	13	53	1.5	49	2	16	.34	.091	48	4	.04	1017	.01	8	.51	.01	.12	1	1558	2300
025134 DR	4	17	33	169	1.8	12	9	1076	4.06	1056	5	ND	13	55	1.4	32	2	17	.25	.091	48	4	.03	622	.01	10	.48	.01	.13	1	1786	2800
025135 DR	3	22	34	206	2.7	13	7	784	3.69	1113	5	2	14	38	1.8	35	3	15	.58	.119	47	4	.04	303	.01	10	.48	.01	.13	1	1682	4800
025136 DR	6	49	22	531	5.3	59	8	459	3.63	2092	5	2	12	103	6.0	143	2	37	.29	.095	40	6	.03	377	.01	8	.53	.01	.12	2	3306	8600
025137 DR	15	47	26	187	4.7	22	2	108	1.66	480	5	ND	4	191	2.6	49	2	158	.69	.213	19	18	.05	924	.01	14	.63	.01	.15	1	1017	9500
025138 DR	14	49	40	186	6.2	29	3	196	1.80	513	5	ND	6	218	5.2	50	2	113	.35	.149	31	22	.07	992	.01	12	.81	.01	.20	1	931	8200
025139 DR	14	86	30	309	4.9	67	3	107	1.78	256	5	ND	5	438	8.3	35	2	394	1.24	.545	27	67	.09	1706	.01	19	1.23	.01	.26	2	551	8800
025140 DR	23	186	16	398	6.6	102	3	76	1.56	172	6	ND	2	529	11.6	35	2	852	3.35	1.332	25	190	.09	1457	.02	18	1.10	.01	.22	1	81	13200
025141 DR	22	145	12	310	4.9	96	3	95	1.25	185	6	ND	3	350	90.4	34	2	842	2.63	1.044	23	124	.07	1253	.01	19	.82	.01	.18	2	67	10800
025142 DR	26	84	26	937	2.3	152	15	208	3.39	172	5	ND	7	179	11.2	43	2	330	1.10	.305	32	49	.12	2917	.01	24	1.17	.01	.35	3	73	11800
025143 DR	15	87	33	615	2.4	107	11	388	2.34	116	6	ND	6	318	8.9	22	2	319	1.90	.591	30	70	.34	1968	.02	21	1.20	.01	.32	1	81	6400
025144 DR	6	59	424	603	2.8	42	4	127	2.20	89	5	ND	7	112	4.0	125	11	92	.48	.163	26	43	.57	610	.01	16	1.18	.01	.34	1	83	2100
025145 DR	2	49	129	369	1.0	37	5	167	2.01	32	5	ND	5	51	2.8	47	4	29	.16	.037	17	35	.85	373	.01	10	1.04	.01	.27	1	23	380
025146 DR	4	40	67	264	.4	54	16	903	4.10	570	5	ND	18	123	1.8	34	2	44	1.29	.083	50	31	.12	1670	.01	12	.63	.01	.13	1	247	3700
025147 DR	3	35	36	178	.1	50	18	780	4.69	215	5	ND	24	62	.7	42	2	26	1.27	.131	79	19	.11	870	.01	7	.79	.01	.18	1	48	540
025148 DR	4	37	49	252	.2	58	17	715	4.08	166	5	ND	20	117	1.4	24	2	33	.88	.117	67	18	.10	1383	.01	10	.85	.01	.21	1	138	750
025149 DR	2	20	37	134	.3	24	12	738	3.99	183	5	ND	14	55	.9	28	2	39	.53	.110	46	27	.53	748	.01	9	1.23	.01	.16	1	21	320
025150 DR	3	18	47	123	.3	20	10	586	3.83	156	5	ND	14	61	.3	39	2	70	.52	.104	40	39	.99	1835	.04	4	1.96	.02	.22	1	62	330
025151 DR	1	17	40	109	.2	12	9	714	3.50	60	5	ND	15	58	.3	34	2	75	.79	.100	42	42	1.09	1448	.05	7	1.85	.02	.21	2	10	120
STANDARD C/AU-R	20	60	38	133	7.2	72	32	1053	3.97	40	17	7	38	52	18.3	16	22	57	.51	.097	39	61	.92	183	.08	33	1.89	.06	.13	11	485	1600

BERC 90-136

BERC 90-137

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	Hg ppb
025152 DR	2	19	37	114	.3	14	10	651	3.74	71	5	ND	17	60	.2	83	2	75	.95	.109	45	41	.94	2048	.05	5	2.02	.02	.21	1	8	180
025153 DR	3	18	39	199	.4	30	12	702	4.28	806	5	ND	14	59	1.9	58	2	62	.60	.103	45	33	.45	838	.01	5	1.22	.01	.12	1	1	5100
025154 DR	3	23	21	164	.9	26	11	787	4.68	830	5	ND	13	84	1.3	43	3	31	.84	.083	40	13	.11	932	.01	8	.64	.01	.13	1	180	2900
025155 DR	12	56	47	399	1.6	65	11	815	4.07	885	5	ND	10	87	3.2	45	2	121	.37	.057	31	21	.05	951	.01	7	.77	.01	.10	2	1160	5200
025156 DR	4	21	40	199	.5	30	11	1047	3.74	338	5	ND	16	96	.4	19	2	71	1.43	.055	33	24	.09	1045	.01	3	.73	.01	.05	1	78	4500
025157 DR	4	17	83	138	.4	16	10	823	3.71	233	5	ND	17	78	.2	22	2	56	3.03	.108	56	21	.11	1610	.01	2	.54	.01	.06	1	29	2900
025158 DR	3	17	69	147	.4	16	9	865	4.14	338	5	ND	18	96	.2	24	2	57	2.54	.120	64	25	.41	852	.01	7	.68	.01	.07	1	1	2700
025159 DR	4	20	58	169	.4	21	10	763	4.02	309	5	ND	19	53	.5	35	2	78	1.57	.129	65	29	.09	908	.01	2	.78	.01	.06	1	35	2100
025160 DR	3	15	60	187	.6	20	10	828	3.78	354	5	ND	20	54	.9	28	2	69	1.87	.129	64	26	.16	861	.02	6	.88	.01	.14	1	53	3300
025161 DR	2	17	28	119	.2	15	11	617	3.49	252	5	ND	18	103	.8	20	6	84	1.98	.121	55	38	.73	2027	.12	3	1.66	.02	.36	1	30	1400
025162 DR	1	16	35	118	.2	15	10	550	3.55	114	5	ND	17	105	.6	20	4	86	1.90	.109	49	39	.78	2056	.16	4	1.68	.03	.39	2	29	1200
025163 DR	3	17	38	110	.1	14	9	719	3.69	213	5	ND	19	72	.2	61	2	62	1.52	.107	53	22	.12	816	.01	2	.81	.01	.09	1	3	4300
025164 DR	3	17	44	222	.3	14	10	716	3.26	326	5	ND	17	111	.7	80	2	64	2.46	.088	52	29	.43	2008	.05	3	1.37	.01	.12	1	1	2300
025165 DR	3	16	33	108	.1	14	9	982	3.80	129	5	ND	17	271	.6	99	2	82	2.08	.109	52	40	1.13	2958	.14	2	2.44	.02	.20	1	4	290
025166 DR	3	14	34	104	.3	11	8	1557	3.50	111	5	ND	14	258	.8	62	2	83	3.47	.104	38	42	1.20	3136	.18	2	2.19	.02	.19	1	6	100
025167 DR	3	15	50	106	.2	12	8	1806	3.37	99	5	ND	15	203	.8	48	2	79	3.73	.104	45	38	1.11	2869	.16	2	2.04	.02	.17	1	14	110
025168 DR	3	19	50	141	.3	16	11	1080	3.79	135	5	ND	16	146	.8	62	2	84	2.45	.110	50	45	1.01	3975	.12	2	2.18	.02	.15	3	23	280
025169 DR	15	37	40	333	.9	64	11	609	3.40	122	5	ND	13	138	3.2	54	2	108	1.48	.195	46	39	.62	2448	.06	4	1.72	.01	.19	2	9	650
025170 DR	16	60	23	437	1.6	75	5	244	1.93	92	12	ND	6	264	7.7	30	2	257	1.45	.484	25	38	.20	1423	.02	16	1.01	.01	.19	2	1	560
STANDARD C/AU-R	20	59	40	133	7.1	73	32	1053	3.97	39	20	7	40	52	18.5	15	20	57	.51	.093	39	61	.89	183	.08	35	1.89	.06	.14	12	510	1600

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9009-016 File # 90-4058 Page 1

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5

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	Hg ppb
025171 DR	3	27	41	190	.6	55	13	647	3.82	1215	5	ND	17	97	1.5	214	2	31	.28	.044	39	27	.17	814	.01	4	.57	.01	.10	1	270	4800
025172 DR	3	40	62	234	.4	67	18	1247	4.46	423	5	ND	26	133	1.2	127	2	45	.20	.089	57	41	.11	1545	.01	3	.60	.01	.08	1	98	3600
025173 DR	3	38	56	174	.3	52	17	1096	4.70	186	5	ND	27	122	.3	94	2	61	.29	.091	55	51	.11	1547	.01	4	.66	.01	.07	1	88	2200
025174 DR	3	37	71	169	.7	43	16	1432	4.24	174	5	ND	25	172	.3	58	3	47	.91	.079	45	47	.20	1559	.01	2	.61	.01	.07	1	25	1600
025175 DR	3	38	326	181	1.6	30	12	990	3.87	233	5	ND	21	231	.8	63	2	40	1.38	.067	42	39	.49	1123	.01	3	.55	.01	.07	1	33	3300
025176 DR	2	38	79	160	.7	30	14	1387	4.13	194	5	ND	20	164	.6	56	2	37	1.15	.093	50	35	.31	1016	.01	3	.60	.01	.10	1	34	2700
025177 DR	2	16	29	118	.2	19	11	903	3.43	320	5	ND	16	87	.2	66	2	26	.77	.099	44	14	.07	797	.01	4	.66	.01	.13	1	37	2500
025178 DR	3	14	25	98	.2	19	10	627	3.19	182	5	ND	15	48	.2	39	2	54	.47	.108	42	29	.57	895	.03	2	1.51	.01	.20	1	22	1050
025179 DR	3	15	32	90	.3	16	10	581	3.37	65	5	ND	15	61	.2	32	3	62	.49	.106	43	32	.64	1327	.05	2	1.81	.02	.26	1	14	350
025180 DR	2	20	38	209	.3	28	11	770	3.64	65	5	ND	11	84	1.7	24	2	82	1.42	.115	34	56	1.27	118	.10	2	1.69	.03	.39	1	9	200
025181 DR	4	16	17	137	.1	20	8	597	3.40	70	5	ND	13	77	1.2	20	2	99	1.37	.135	46	39	.97	443	.13	2	1.54	.03	.40	2	8	750
025182 DR	3	12	30	95	.1	15	9	921	3.77	184	5	ND	16	99	.2	12	2	56	.67	.089	45	24	.39	775	.01	3	.68	.01	.06	1	30	1500
025183 DR	3	13	33	86	.2	16	10	1087	4.28	172	5	ND	17	68	.2	14	2	60	.85	.101	55	25	.49	439	.01	2	.63	.01	.08	1	22	2900
025184 DR	3	16	35	114	.1	17	10	972	3.08	54	5	ND	21	49	.2	12	2	71	.75	.134	72	28	.31	341	.01	2	.79	.01	.08	1	15	3200
025185 DR	2	12	39	81	.4	12	8	888	3.80	281	5	ND	17	63	.2	12	2	54	.46	.100	50	23	.28	417	.01	2	.53	.01	.07	1	66	3400
025186 DR	5	15	42	107	.1	14	10	1097	4.77	70	5	ND	18	130	.2	6	2	61	.32	.089	54	29	.25	1341	.01	2	.67	.01	.03	1	9	5800
025187 DR	3	14	32	102	.1	15	10	702	3.12	21	5	ND	20	119	.2	6	2	61	1.34	.094	58	30	.47	1062	.01	3	.71	.01	.04	1	8	4200
025188 DR	3	15	72	261	.4	15	9	900	3.40	134	5	ND	17	94	2.1	14	2	68	1.41	.101	48	33	.62	175	.05	2	1.09	.01	.19	1	30	3300
025189 DR	2	11	30	90	.2	13	8	518	2.98	30	5	ND	16	88	.2	9	5	80	1.37	.101	39	37	1.07	926	.18	3	1.60	.05	.38	2	14	390
025190 DR	2	11	21	68	.1	13	8	570	2.79	54	5	ND	14	89	.2	18	2	76	1.45	.093	38	37	1.00	940	.19	3	1.37	.05	.38	1	27	300
025191 DR	2	11	17	70	.1	12	8	541	2.90	22	6	ND	15	112	.2	10	2	79	2.12	.100	43	39	1.10	1639	.17	2	1.64	.04	.43	2	12	130
025192 DR	1	11	19	68	.1	10	7	553	2.98	27	5	ND	13	104	.2	9	2	83	1.87	.095	36	38	1.14	642	.19	2	1.46	.05	.45	2	25	200
025193 DR	2	12	31	81	.1	12	9	556	3.17	58	6	ND	17	105	.2	17	4	81	1.84	.107	45	37	1.05	2362	.18	2	1.89	.04	.42	2	15	230
025194 DR	3	13	34	85	.1	14	9	573	3.73	42	5	ND	16	96	.2	21	3	87	1.70	.109	44	42	1.19	1580	.19	2	2.28	.03	.36	2	27	180
025195 DR	5	34	38	152	.6	37	11	545	3.19	1102	5	ND	12	122	1.2	339	2	62	.33	.092	42	24	.22	1727	.01	8	1.11	.01	.18	1	900	1800
025196 DR	3	36	52	218	2.0	34	14	1324	4.23	1570	5	2	14	128	1.9	559	2	35	.15	.079	46	8	.06	1489	.01	9	.87	.01	.13	1	1650	1900
025197 DR	3	27	62	226	1.5	39	17	1069	4.90	1478	5	ND	15	89	1.7	376	2	26	.14	.105	51	6	.05	1094	.01	7	.83	.01	.15	1	1120	2400
025198 DR	2	15	31	185	1.3	23	16	2190	4.49	3789	5	6	14	109	.3	481	2	32	.54	.077	44	6	.06	1086	.01	5	.58	.01	.13	1	5280	1800
025199 DR	2	13	31	150	.9	20	14	1546	4.33	3561	5	4	12	143	.2	1076	3	26	.94	.059	34	7	.08	1157	.01	8	.65	.01	.13	1	3810	1600
025200 DR	1	9	23	93	.6	16	12	1081	4.01	2390	5	ND	12	127	.2	292	2	16	1.85	.053	32	5	.07	1062	.01	8	.65	.01	.14	1	1180	1700
025201 DR	1	10	24	67	.5	11	10	934	3.67	3572	5	ND	10	119	.3	301	2	17	1.25	.045	31	6	.08	947	.01	7	.54	.01	.13	1	1750	1600
025202 DR	4	26	32	112	.8	33	13	1343	3.77	2271	5	ND	9	112	.5	278	2	40	.22	.041	32	14	.04	1371	.01	4	.56	.01	.11	1	1320	2500
025203 DR	3	31	39	165	.7	41	16	1149	4.23	1761	5	ND	17	115	1.1	1784	3	31	.23	.047	41	18	.04	1040	.01	5	.62	.01	.11	1	650	4400
025204 DR	3	54	70	148	.8	43	15	639	3.71	3174	7	3	15	122	1.4	6340	2	45	.13	.033	30	28	.03	626	.01	2	.53	.01	.07	1	3150	5800
025205 DR	2	43	60	145	1.0	51	18	1394	3.81	4584	5	5	12	124	.8	7405	2	45	.64	.024	23	28	.26	273	.01	2	.56	.01	.07	1	4930	3900
025206 DR	2	28	32	92	1.3	32	12	1177	3.75	3339	5	3	12	247	.5	841	2	36	2.09	.023	20	26	.79	172	.01	5	.57	.01	.09	1	3130	2800
STANDARD C/AU-R	19	59	42	125	7.4	73	31	1054	3.97	44	18	7	39	52	18.9	15	21	57	.51	.093	39	59	.89	182	.08	36	1.89	.06	.13	13	480	1300

BCRC 90-138

BCRC 90-139

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: P1 TO P7 CUTTING P8 TO P10 CORE

DATE RECEIVED: AUG 31 1990 **DATE REPORT MAILED:** Sept 8/90. **SIGNED BY** ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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	Hg ppb
025207 DR	2	14	33	158	.7	16	10	1504	3.99	2333	5	3	8	111	.2	1059	2	27	.92	.018	14	10	.35	241	.01	4	.42	.01	.09	1	3335	2500
025208 DR	2	15	36	135	.6	18	10	1167	3.33	2140	5	3	9	138	.2	1669	2	26	1.36	.018	14	11	.42	237	.01	4	.41	.01	.07	1	3040	4700
025209 DR	1	15	45	127	.9	19	10	1268	3.23	2881	5	5	7	253	.3	1747	3	35	2.44	.028	11	16	.98	182	.01	5	.65	.01	.08	1	4969	5200
025210 DR	3	17	52	162	1.3	20	8	1262	2.90	2911	5	3	4	272	1.1	3211	2	33	3.17	.018	8	14	1.29	167	.01	5	.35	.01	.05	1	4978	4200
025211 DR	11	28	30	261	1.9	61	14	1425	3.83	4133	5	ND	3	145	1.8	759	4	46	1.74	.021	9	16	.68	103	.01	4	.39	.01	.08	1	18013	2800
025212 DR	4	12	23	80	.8	19	8	1457	3.41	1176	5	2	6	174	.2	118	2	46	2.78	.021	12	16	1.00	268	.01	5	.31	.01	.06	1	2793	2300
025213 DR	3	13	34	124	.2	16	9	1367	4.73	236	5	ND	9	99	.2	82	2	59	1.06	.032	20	25	.56	574	.01	2	.50	.01	.03	1	276	4800
025214 DR	3	17	115	247	.4	19	10	1164	4.15	315	5	ND	11	93	1.2	180	2	59	.87	.032	21	24	.44	547	.01	2	.52	.01	.03	1	371	4300
025215 DR	3	18	61	165	.1	20	10	1052	3.77	181	5	ND	12	80	.4	66	2	62	.47	.045	29	25	.41	882	.03	2	.83	.01	.06	1	136	4100
025216 DR	3	17	33	142	.1	19	11	1023	4.04	87	5	ND	18	61	.2	40	2	68	1.17	.106	47	31	.61	653	.02	2	.88	.01	.09	1	83	4200
025217 DR	2	15	25	122	.1	15	10	1093	4.45	58	5	ND	17	54	.2	26	2	71	1.50	.107	53	32	.73	461	.01	2	.66	.01	.06	1	51	4300
025218 DR	3	17	42	187	.1	14	10	1089	3.52	103	5	ND	17	98	.7	27	2	62	.38	.077	46	25	.31	1023	.01	2	.98	.01	.04	1	48	5400
025219 DR	10	89	51	608	.7	101	18	648	4.52	1184	5	ND	10	64	6.8	65	2	106	.36	.093	34	34	.23	1396	.01	7	1.16	.01	.17	1	580	6300
025220 DR	5	27	26	691	.3	82	29	1099	3.31	1373	5	3	12	45	8.9	25	2	53	.10	.053	28	19	.04	710	.01	2	.65	.01	.06	1	2499	9700
025221 DR	4	26	33	614	.7	51	21	1058	3.37	2526	5	2	11	44	8.7	14	2	52	.11	.037	25	16	.03	797	.01	6	.53	.01	.05	1	2594	9200
025222 DR	4	20	34	283	1.9	22	4	97	3.41	3705	5	7	12	59	1.8	30	2	50	.09	.030	27	15	.02	812	.01	3	.49	.01	.06	1	6688	9500
025223 DR	3	22	45	375	.8	29	9	426	3.38	2783	5	3	12	46	4.7	24	2	45	.09	.029	30	13	.02	676	.01	3	.43	.01	.06	1	2499	7200
025224 DR	3	15	27	98	5.1	13	3	97	2.19	9130	5	27	10	62	1.4	39	2	22	.08	.030	31	10	.02	912	.01	5	.41	.01	.06	1	27360	9300
025225 DR	5	48	20	165	2.8	22	5	179	3.08	8289	5	6	7	162	4.1	23	2	104	.19	.112	23	16	.03	1174	.01	7	.55	.01	.09	1	7648	6600
025226 DR	20	46	31	117	3.7	20	3	115	2.55	2375	5	ND	4	209	1.3	27	2	196	.18	.243	15	38	.06	2341	.01	9	.64	.01	.13	1	789	6500
025227 DR	3	30	37	215	1.0	32	6	130	3.73	1018	5	ND	7	60	.2	14	2	26	.07	.068	22	6	.04	620	.01	7	.53	.01	.11	1	504	2600
025228 DR	5	18	26	130	1.5	20	3	99	2.85	731	5	ND	6	65	.5	14	2	30	.07	.077	22	5	.03	667	.01	7	.47	.01	.10	1	1188	3500
025229 DR	24	56	37	135	1.5	25	2	57	2.75	240	5	ND	4	56	.9	18	2	75	.10	.061	17	13	.04	742	.01	8	.47	.01	.15	1	152	8400
025230 DR	53	34	35	118	1.7	30	3	69	1.63	172	5	ND	2	73	2.6	15	3	257	.15	.077	12	16	.03	774	.01	7	.49	.01	.12	1	78	10800
025231 DR	10	65	20	193	1.7	44	4	120	1.76	217	5	ND	2	223	4.5	8	2	252	.82	.456	14	34	.05	2200	.01	11	.73	.01	.12	1	599	4700
025232 DR	17	129	31	682	1.1	231	22	1515	5.23	1414	5	ND	12	66	21.7	23	2	180	.21	.137	40	43	.08	1058	.01	4	.73	.01	.08	1	817	6800
025233 DR	10	59	17	274	.6	68	6	228	2.50	257	5	ND	7	84	5.9	8	2	65	.11	.073	16	29	.36	595	.01	8	.82	.01	.21	1	105	740
025234 DR	7	42	20	419	.7	81	10	565	1.97	118	5	ND	6	96	3.4	15	2	35	.17	.072	15	31	.97	914	.02	7	1.06	.01	.14	1	54	360
025235 DR	4	42	15	295	.5	66	13	576	2.72	49	5	ND	9	61	2.2	11	4	66	.52	.094	26	49	1.46	2771	.06	2	1.98	.01	.27	1	46	130
025236 DR	2	34	12	199	.3	22	9	507	3.28	152	5	ND	11	55	1.2	9	2	77	1.75	.113	32	47	1.62	2132	.05	3	2.26	.01	.17	1	31	250
025237 DR	5	57	29	321	.7	68	13	722	3.05	189	5	ND	9	71	3.5	15	3	81	1.88	.076	25	53	2.34	1534	.04	4	2.21	.01	.22	1	62	480
025238 DR	2	47	21	153	.5	44	10	620	2.14	74	5	ND	8	55	.7	10	6	59	1.29	.049	16	57	2.79	1152	.10	5	2.35	.01	.32	1	28	220
025239 DR	5	45	20	126	.5	37	7	414	1.77	53	5	ND	7	54	.6	10	2	89	1.10	.040	13	49	2.13	847	.07	7	1.93	.01	.31	1	20	180
025240 DR	9	47	24	266	1.1	56	10	417	1.93	94	5	ND	4	86	1.7	13	4	50	.46	.113	15	33	.75	1816	.01	6	1.09	.01	.12	1	35	1400
025241 DR	6	33	15	191	1.0	37	6	255	1.51	80	5	ND	4	70	1.4	10	2	42	.64	.076	10	28	.91	1490	.02	4	.96	.01	.12	1	33	1200
025242 DR	9	28	39	569	.8	74	9	392	2.75	255	5	ND	7	56	6.1	9	5	32	.76	.081	17	11	.27	290	.01	3	.79	.01	.13	1	24	3800
STANDARD C/AU-R	19	62	36	135	7.2	73	31	1054	3.97	38	23	7	37	53	18.8	15	18	56	.52	.094	37	61	.91	181	.08	38	1.91	.06	.14	13	520	1600

BERC 90-1990

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		Hg ppb
025243 DR	15	61	29	487	2.4	70	10	572	2.68	285	13	ND	5	206	4.3	16	2	147	1.22	.404	23	47	.48	1542	.01	7	1.50	.01	.22	1	73	3300
025244 DR	3	16	26	184	.1	31	11	660	3.62	524	5	ND	15	48	.2	18	3	37	.27	.094	41	15	.05	754	.01	3	.49	.01	.09	1	40	4300
025245 DR	3	18	19	137	.1	27	12	730	3.84	484	5	ND	15	45	.2	15	6	26	.56	.126	42	11	.06	1207	.01	4	.50	.01	.13	1	12	3600
025246 DR	1	11	19	115	.1	21	9	419	3.17	116	6	ND	15	56	.2	13	3	72	.63	.112	41	36	.81	902	.05	3	1.39	.02	.22	1	57	800
025247 DR	4	15	21	131	.1	22	11	623	3.74	446	5	ND	14	49	.2	15	2	54	.53	.102	42	22	.06	827	.01	3	.54	.01	.09	1	56	4500
025248 DR	2	13	23	125	.1	22	10	512	3.50	177	7	ND	17	39	.2	12	2	67	.56	.123	55	25	.05	402	.01	2	.59	.01	.07	1	7	2800
025249 DR	2	13	16	88	.1	14	10	660	3.56	97	5	ND	16	67	.2	10	2	71	2.12	.115	62	26	.09	961	.01	2	.61	.01	.06	1	10	2300
025250 DR	1	13	17	90	.1	12	9	576	3.37	43	5	ND	16	64	.2	13	4	85	1.31	.116	47	39	.90	1135	.13	2	1.46	.03	.36	1	11	540
025251 DR	4	14	19	106	.1	17	10	658	3.13	105	5	ND	18	36	.2	13	2	70	.94	.124	61	31	.17	699	.01	2	.61	.01	.07	1	7	4000
025252 DR	6	15	23	134	.1	20	11	825	4.26	272	5	ND	17	36	.2	22	2	64	.67	.127	62	23	.04	485	.01	2	.58	.01	.06	1	12	4300
025253 DR	2	16	23	102	.1	14	10	586	3.40	90	5	ND	17	53	.2	12	4	78	.84	.122	44	36	.67	833	.09	2	1.31	.02	.18	2	9	1300
025254 DR	4	17	36	129	.1	18	10	530	2.69	180	8	ND	20	38	.2	18	5	64	.52	.128	62	25	.03	700	.01	2	.58	.01	.05	1	9	4600
025255 DR	5	18	36	144	.1	22	11	683	3.42	306	5	ND	15	48	.2	17	2	66	.50	.040	31	25	.09	601	.01	2	.51	.01	.02	1	9	5400
025256 DR	7	16	36	142	.1	23	10	734	3.47	603	9	ND	13	51	.2	24	3	59	.10	.039	28	21	.02	646	.01	2	.53	.01	.04	1	32	3600
025257 DR	7	13	25	122	.1	22	10	658	3.84	864	6	ND	13	51	.2	21	3	52	.11	.035	36	17	.02	607	.01	5	.49	.01	.06	1	198	4200
025258 DR	3	17	57	143	.3	14	10	1022	3.43	972	5	ND	12	71	.2	28	4	58	1.17	.032	25	22	.13	735	.01	2	.51	.01	.05	2	288	4600
025259 DR	3	17	54	140	.8	14	10	814	3.31	2286	12	2	12	77	.2	133	3	50	.93	.027	26	20	.21	591	.01	4	.48	.01	.06	1	1782	9000
025260 DR	6	17	49	158	.7	21	10	820	3.95	3620	11	3	14	48	.2	65	2	51	.16	.028	32	18	.02	685	.01	3	.42	.01	.06	2	2862	10400
025261 DR	6	17	42	159	.8	20	11	1033	4.38	3087	5	3	14	48	.2	134	2	55	.16	.028	35	17	.03	643	.01	2	.41	.01	.06	2	2682	11000
025262 DR	5	18	45	148	.1	20	11	770	3.07	973	11	ND	14	72	.2	86	2	58	.07	.037	30	22	.02	808	.01	2	.47	.01	.03	2	252	9300
025263 DR	4	19	39	143	.9	18	11	909	3.32	3195	5	2	13	57	.2	86	2	55	.22	.027	32	20	.05	620	.01	3	.42	.01	.04	3	2034	25000
025264 DR	3	18	35	146	1.9	19	11	1163	3.61	7297	5	7	14	71	.3	358	3	57	.24	.027	35	21	.02	594	.01	2	.42	.01	.05	2	6255	45000
025265 DR	5	18	106	280	1.8	23	11	836	3.60	2474	8	ND	15	37	1.1	186	2	47	.30	.083	45	17	.03	426	.01	3	.41	.01	.08	1	1467	5100
025266 DR	4	17	34	197	.1	24	12	628	2.80	685	5	ND	21	30	.3	73	5	65	.52	.139	73	24	.10	233	.01	2	.76	.01	.07	1	63	4600
025267 DR	2	16	19	208	.1	36	11	658	4.16	493	5	ND	16	46	.2	51	4	93	.60	.124	46	46	1.28	908	.16	2	2.14	.03	.45	1	48	540
025268 DR	2	15	14	146	.1	24	11	684	4.10	468	5	ND	17	86	.2	33	2	77	1.53	.114	48	38	1.00	909	.11	2	2.04	.02	.42	1	198	560
025269 DR	5	30	45	183	.6	32	7	349	2.68	111	11	ND	8	127	.5	19	2	54	.21	.065	34	12	.03	1360	.01	6	.55	.01	.13	1	26	2600
025270 DR	5	35	91	299	1.5	50	15	1161	3.70	1410	5	ND	11	150	2.5	27	4	51	.20	.106	40	15	.04	1501	.01	8	.93	.01	.15	1	594	4800
025271 DR	2	15	42	173	1.3	23	10	1005	3.55	3082	5	3	12	50	1.0	31	4	25	.22	.038	41	8	.04	771	.01	4	.45	.01	.08	1	2727	5400
025272 DR	2	19	45	148	1.6	27	11	1159	3.65	3817	5	2	11	46	.9	73	5	29	.17	.027	35	7	.02	677	.01	7	.45	.01	.07	1	2430	5000
025273 DR	2	18	40	158	.9	25	12	939	3.47	2107	5	ND	13	48	.7	52	3	43	.33	.029	31	18	.03	889	.01	7	.48	.01	.07	1	1467	5600
025274 DR	2	18	56	164	.7	16	11	988	3.80	2043	5	ND	17	44	.2	38	4	45	.14	.032	38	15	.03	623	.01	8	.45	.01	.07	1	864	5400
025275 DR	3	16	35	249	.2	27	15	1224	4.16	552	5	ND	20	45	.2	47	2	69	.30	.115	54	23	.02	668	.01	4	.68	.01	.05	1	270	3300
025276 DR	4	16	46	359	.1	37	18	1139	4.33	730	5	ND	19	30	.8	74	2	72	.40	.136	77	24	.03	350	.01	2	.67	.01	.05	1	48	3600
025277 DR	3	18	72	284	.1	36	16	1165	3.25	243	5	ND	22	30	.6	31	3	68	.46	.143	73	22	.05	351	.01	3	.71	.01	.04	1	23	4000
025278 DR	7	19	59	320	.1	49	15	1703	4.31	705	5	ND	20	83	.5	79	2	70	.21	.110	61	26	.02	1267	.01	2	.80	.01	.01	1	33	4400
STANDARD C/AU-R	19	62	41	141	7.2	72	31	1053	3.97	43	18	7	39	52	18.3	16	19	57	.51	.094	39	60	.89	187	.08	37	1.88	.06	.13	11	520	1400

BDRC 92-411

BDRC 90-142

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	Hg ppb
025279 DR	5	18	52	205	.1	26	12	1030	4.33	317	5	ND	21	88	.7	41	2	85	.29	.117	57	32	.04	1030	.01	2	.63	.01	.01	1	1	7500
025280 DR	6	18	50	238	.1	33	13	1160	4.25	307	5	ND	21	34	.5	53	2	79	.38	.152	67	27	.02	442	.01	2	.62	.01	.03	1	3	5400
025281 DR	4	21	95	202	.3	24	12	881	3.34	355	7	ND	20	37	1.1	46	2	79	.46	.139	65	29	.15	486	.02	2	.86	.01	.13	1	67	4600
025282 DR	4	20	57	199	.1	25	11	859	3.74	768	11	ND	20	57	1.3	34	4	71	.40	.130	56	25	.19	700	.02	5	1.01	.01	.17	1	540	3800
025283 DR	2	15	34	128	.1	19	10	638	3.66	161	5	ND	17	87	.2	19	2	82	1.35	.121	48	39	.89	681	.12	2	1.53	.04	.45	1	55	620
025284 DR	1	16	36	137	.1	19	11	804	3.33	136	7	ND	18	55	.3	24	2	55	1.59	.135	55	22	.22	283	.01	3	.99	.01	.12	1	27	1050
025285 DR	2	15	28	132	.2	18	10	839	3.71	803	9	ND	18	33	.4	24	2	44	1.09	.125	52	19	.10	370	.01	8	.63	.01	.12	1	240	1900
025286 DR	1	13	22	125	.1	18	11	705	3.50	710	8	ND	17	53	.2	13	2	49	1.88	.133	50	23	.25	604	.02	6	1.02	.01	.18	1	450	1100
025287 DR	1	12	21	137	.1	21	10	662	3.15	342	5	ND	17	52	.5	12	2	68	1.04	.117	45	31	.64	973	.13	5	1.27	.03	.34	1	129	880
025288 DR	2	14	46	117	.1	14	8	523	3.28	69	9	ND	14	69	.3	13	4	84	1.15	.114	34	38	1.14	1049	.21	6	1.69	.05	.27	1	11	150
025289 DR	1	14	32	112	.1	17	9	503	3.18	44	5	ND	14	77	.2	13	4	82	1.06	.111	35	43	1.16	1139	.19	5	1.78	.04	.16	1	11	110
025290 DR	1	13	33	114	.1	20	9	543	3.18	54	7	ND	15	69	.2	16	3	78	1.12	.113	35	37	1.15	738	.15	4	1.82	.03	.12	1	3	130
025291 DR	1	15	29	105	.1	15	8	471	3.17	35	9	ND	15	74	.2	11	2	82	1.09	.109	38	37	1.21	624	.19	3	1.70	.05	.13	1	15	150
025292 DR	1	15	33	120	.1	17	9	501	3.38	57	7	ND	15	78	.2	15	3	83	1.07	.112	39	40	1.28	1292	.17	2	1.87	.04	.14	1	4	160
025293 DR	3	15	28	166	.8	37	6	172	3.82	967	18	ND	11	106	1.3	43	2	19	.14	.081	40	9	.03	465	.01	13	.46	.01	.22	1	270	5600
025294 DR	4	17	29	215	.9	41	7	109	3.31	1505	15	ND	9	112	.7	34	2	31	.10	.068	29	8	.03	838	.01	6	.54	.01	.15	1	1990	6800
025295 DR	3	17	17	289	1.1	56	12	78	2.93	2042	10	ND	8	69	1.4	56	3	39	.09	.036	20	12	.02	641	.01	6	.39	.01	.10	1	2600	7200
025296 DR	11	11	20	110	.9	19	3	24	2.02	761	5	ND	4	200	.2	34	3	70	.18	.081	17	12	.03	1216	.01	10	.50	.01	.18	1	116	3500
025297 DR	7	4	16	36	4.1	7	1	11	1.22	2046	5	ND	4	74	.3	96	3	31	.08	.024	23	11	.02	639	.01	9	.36	.01	.21	1	3940	4300
025298 DR	4	5	12	24	2.5	6	1	9	.94	3648	5	ND	4	37	.3	232	2	34	.06	.009	22	7	.03	416	.01	9	.41	.01	.19	1	7830	4600
025299 DR	3	19	27	344	1.9	20	3	37	3.27	2477	6	5	7	50	.6	644	3	34	.09	.018	30	6	.02	366	.01	10	.34	.01	.10	1	8830	10000
025300 DR	4	15	11	167	1.1	25	4	242	2.31	1570	14	ND	5	31	1.3	229	2	32	.06	.007	17	7	.02	326	.01	6	.31	.01	.10	1	3120	6500
025301 DR	5	17	17	314	1.0	66	12	2125	3.24	2904	5	3	7	88	2.4	271	3	33	.09	.020	21	20	.01	485	.01	5	.44	.01	.07	1	4390	12000
025302 DR	3	24	44	346	1.8	69	25	1222	3.77	5995	5	9	11	144	1.4	171	2	44	.09	.029	24	15	.02	632	.01	6	.60	.01	.08	1	9960	13000
025303 DR	4	30	30	238	1.6	42	9	171	4.27	6386	17	9	9	102	1.3	372	2	51	.12	.024	20	12	.01	422	.01	4	.47	.01	.06	1	10010	940
025304 DR	12	24	10	31	.9	12	1	38	2.23	1462	8	ND	4	125	1.2	40	3	55	.16	.028	18	11	.03	902	.01	7	.41	.01	.12	1	2380	4200
025305 DR	13	24	25	21	.8	12	2	32	1.53	551	7	ND	7	187	.6	24	3	70	.13	.058	23	15	.04	1581	.01	12	.57	.01	.15	1	500	3300
025306 DR	27	30	18	86	.2	29	3	45	2.85	638	11	ND	6	165	.4	24	3	66	.13	.054	20	10	.04	1228	.01	12	.54	.01	.14	1	230	3500
025307 DR	40	26	24	154	.4	38	3	65	4.70	904	19	ND	8	108	2.1	25	4	56	.12	.047	27	6	.03	855	.01	10	.41	.01	.12	1	360	4900
025308 DR	8	19	24	70	.6	19	2	47	2.82	864	15	ND	6	118	3.3	22	3	49	.18	.038	21	7	.04	1195	.01	14	.44	.01	.16	1	170	4500
025309 DR	10	19	23	75	.1	21	2	28	2.43	316	5	ND	5	99	.8	17	2	52	.16	.034	24	8	.04	1476	.01	13	.44	.01	.14	1	45	1600
025310 DR	4	10	28	26	.5	10	1	17	.59	89	5	ND	7	88	.5	20	3	24	.13	.021	28	8	.05	1182	.01	13	.47	.01	.18	1	124	2300
025311 DR	8	18	23	37	.7	19	2	23	1.03	96	5	ND	4	144	1.1	17	2	53	.15	.051	16	11	.04	1969	.01	13	.51	.01	.14	2	85	3800
025312 DR	7	19	18	51	.4	21	2	29	1.56	135	5	ND	6	102	.6	20	2	54	.16	.037	20	9	.04	1380	.01	10	.51	.01	.17	1	66	5600
025313 DR	15	41	19	198	.1	61	6	99	2.80	139	15	ND	6	105	.6	16	2	44	.18	.044	23	9	.05	1169	.01	12	.65	.01	.15	1	64	2200
025314 DR	30	38	19	212	.1	39	4	35	2.70	228	8	ND	5	111	.9	14	2	62	.13	.054	20	8	.04	1269	.01	9	.64	.01	.14	1	30	2400
STANDARD C/AU-R	19	63	44	133	7.0	72	31	1054	3.97	41	21	7	40	52	18.4	15	20	57	.51	.094	40	60	.92	178	.08	38	1.89	.06	.13	11	540	1500

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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	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	Hg ppb
025315 DR	44	49	20	431	.1	95	11	178	3.49	319	9	ND	4	140	1.2	18	2	67	.16	.057	13	11	.06	1459	.01	10	1.22	.01	.21	1	30	1600
025316 DR	15	52	24	392	.1	121	15	33	2.27	153	5	ND	3	91	16.5	15	2	58	.13	.048	9	10	.05	97	.01	9	1.44	.01	.20	1	26	1700
025317 DR	3	17	26	341	.1	53	14	709	4.55	124	5	ND	21	79	.5	31	3	74	1.27	.119	59	31	.20	765	.01	2	.75	.01	.09	1	55	4200
025318 DR	3	16	34	337	.1	53	12	714	4.32	134	5	ND	16	110	.4	23	2	54	1.52	.036	31	25	.24	777	.01	2	.60	.01	.08	1	34	3300
025319 DR	5	16	35	567	.1	91	13	578	5.10	204	5	ND	19	141	.8	30	2	55	1.05	.079	44	25	.10	933	.01	2	.74	.01	.09	1	15	2300
025320 DR	6	25	23	580	.1	98	14	373	4.90	171	6	ND	16	163	1.1	24	2	54	.26	.073	44	23	.07	1138	.01	7	.76	.01	.14	1	17	1400
025321 DR	7	23	15	213	.2	28	4	51	2.83	61	6	ND	7	181	.2	11	2	65	.19	.053	27	9	.07	505	.01	9	.58	.01	.25	1	11	460
025322 DR	11	25	15	138	.5	29	2	33	1.85	39	5	ND	5	218	.6	8	2	93	.20	.059	25	11	.06	454	.01	14	.57	.02	.23	1	6	300
025323 DR	9	23	19	134	.2	24	3	40	2.42	40	5	ND	7	163	.2	6	2	62	.19	.042	28	7	.05	739	.01	11	.53	.01	.23	1	7	180
025324 DR	4	15	23	184	.1	41	9	1008	3.20	42	5	ND	12	91	1.2	2	2	40	.70	.096	38	12	.08	791	.01	7	.64	.02	.17	1	9	140
025325 DR	3	20	55	189	.1	28	10	923	3.75	149	5	ND	12	75	1.2	3	4	36	.62	.102	39	9	.08	769	.01	7	.65	.01	.17	1	7	170
025326 DR	6	26	23	209	.1	53	9	342	3.04	37	5	ND	8	145	1.7	4	2	55	.27	.069	28	11	.05	1112	.01	10	.68	.01	.19	1	6	210
025327 DR	10	24	16	111	.1	27	2	36	2.04	30	5	ND	4	171	.2	6	2	57	.18	.044	18	7	.04	947	.01	11	.55	.01	.21	1	4	290
025328 DR	8	57	21	223	.1	44	9	107	3.20	32	5	ND	7	155	.2	5	2	44	.16	.057	30	8	.04	1042	.01	8	.70	.02	.23	1	3	380
025329 DR	7	54	20	194	.2	27	4	37	2.87	41	5	ND	5	122	.2	5	2	58	.15	.044	20	9	.04	1321	.01	11	.66	.01	.20	1	7	800
025330 DR	10	68	16	154	.1	27	3	30	2.61	54	5	ND	4	99	.2	6	3	52	.15	.039	15	7	.03	1318	.01	7	.58	.01	.15	1	16	1500
025331 DR	8	49	20	151	.2	29	4	25	2.03	125	5	ND	4	81	.2	6	2	47	.14	.026	15	8	.03	994	.01	10	.64	.01	.16	1	58	1800
025332 DR	6	44	17	307	.1	47	10	99	3.59	43	5	ND	5	109	.2	2	2	47	.07	.057	15	8	.03	889	.01	10	.67	.01	.21	1	4	1400
025333 DR	10	37	15	250	.6	47	9	175	3.52	50	8	ND	3	135	.2	3	2	83	.08	.072	11	11	.03	687	.01	10	.59	.01	.22	1	3	1200
025334 DR	18	38	14	103	1.7	42	2	28	1.49	44	5	ND	2	533	.8	7	2	225	.08	.196	7	29	.03	1693	.01	13	.67	.01	.15	1	10	1400
025335 DR	14	17	13	125	.2	21	2	20	2.47	59	5	ND	2	204	.2	3	2	73	.03	.060	6	8	.02	752	.01	12	.55	.01	.21	1	3	660
025336 DR	9	30	16	30	.4	19	3	16	1.72	28	5	ND	2	82	.2	7	2	83	.04	.039	6	11	.03	78	.01	12	.58	.01	.17	1	6	480
025337 DR	8	53	17	263	.2	89	16	44	2.84	41	5	ND	1	65	7.6	4	2	48	.13	.035	3	8	.06	29	.01	11	.73	.01	.20	1	2	430
025338 DR	18	45	17	413	.5	98	10	52	2.41	59	8	ND	1	73	13.9	10	2	59	.10	.050	2	8	.04	35	.01	9	.56	.01	.14	1	5	500
025339 DR	13	52	25	391	.5	146	13	68	2.83	72	7	ND	2	81	21.4	11	2	68	.17	.071	6	12	.08	36	.01	11	1.09	.01	.14	1	5	680
025340 DR	15	47	23	414	.5	153	13	56	2.66	69	9	ND	1	88	14.3	10	2	78	.15	.072	4	17	.05	36	.01	10	.97	.01	.15	1	9	540
025341 DR	3	18	33	136	.1	23	9	590	3.58	106	5	ND	17	84	.3	12	3	94	.68	.113	45	43	.95	1624	.19	4	1.73	.05	.41	2	220	330
025342 DR	2	16	32	126	.1	20	9	538	3.49	39	5	ND	18	66	.2	8	2	93	.61	.114	46	41	.98	1062	.21	2	1.66	.05	.41	2	3	130
025343 DR	3	18	56	223	.1	32	11	626	3.73	102	5	ND	21	55	.7	33	2	90	.48	.133	58	36	.27	653	.04	2	1.03	.01	.19	1	42	1500
025344 DR	4	19	78	246	.1	28	12	975	4.42	157	5	ND	22	193	.6	46	2	83	.41	.092	60	36	.07	1299	.01	2	.87	.01	.04	1	35	2300
025345 DR	5	18	52	224	.1	29	13	965	4.30	155	5	ND	22	161	.8	35	2	76	.29	.113	62	32	.06	1070	.01	2	.85	.01	.08	1	45	1800
025346 DR	7	20	38	205	.2	45	12	494	3.53	232	5	ND	13	119	.4	34	2	56	.23	.075	46	15	.05	1055	.01	8	.69	.01	.17	1	26	2400
025347 DR	10	18	16	158	.5	17	3	46	2.49	217	6	ND	5	414	.9	32	2	171	.13	.206	22	23	.03	2438	.01	14	.71	.01	.17	1	20	2800
025348 DR	9	25	21	166	.2	29	3	42	2.46	241	5	ND	6	137	.2	52	2	81	.11	.055	26	15	.03	1160	.01	8	.52	.01	.17	1	71	1800
025349 DR	7	19	44	85	1.7	12	2	19	1.45	245	5	ND	6	280	.5	17	3	77	.12	.080	24	13	.04	923	.01	11	.54	.01	.20	1	560	3600
025350 DR	10	14	32	146	1.8	35	4	24	2.44	1034	5	ND	6	155	.8	40	2	76	.13	.052	25	10	.04	632	.01	12	.45	.01	.23	1	960	16000
STANDARD C/AU-R	19	60	40	132	7.1	73	31	1052	3.97	42	16	7	39	52	18.9	15	20	57	.51	.100	39	60	.91	182	.08	36	1.89	.06	.13	11	520	1300

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BEEC 90-145

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	Hg ppb
025351 DR	4	49	64	2962	1.6	29	13	779	4.67	1934	5	ND	12	116	32.9	42	8	29	.81	.091	43	12	.05	942	.01	9	.83	.01	.14	1	450	14000
025352 DR	4	48	58	3076	.8	23	11	678	4.35	414	5	ND	13	141	32.8	33	7	34	2.68	.098	39	20	.07	951	.01	10	.98	.01	.17	1	47	11000
025353 DR	4	20	32	361	.2	40	12	562	4.08	914	5	ND	14	149	.6	61	2	39	2.16	.092	39	16	.08	954	.01	5	.70	.01	.10	1	330	2800
025354 DR	3	17	29	238	.1	28	11	663	3.81	309	5	ND	14	133	.4	42	2	48	2.34	.056	30	24	.24	774	.01	4	.73	.01	.08	1	35	4700
025355 DR	3	14	26	330	.1	31	12	746	4.11	570	5	ND	14	113	1.0	61	2	48	1.35	.036	30	19	.09	660	.01	4	.71	.01	.07	1	240	7600
025356 DR	3	15	38	251	.1	26	11	719	3.84	120	5	ND	13	114	.3	33	2	60	1.62	.037	22	27	.09	881	.01	2	.86	.01	.05	2	4	5400
025357 DR	3	13	39	201	.1	23	11	870	3.99	178	5	ND	14	147	.2	51	3	58	1.93	.048	25	27	.32	938	.01	2	.78	.01	.04	1	6	4800
025358 DR	4	15	32	260	.2	38	12	781	4.09	622	5	ND	13	105	1.0	291	2	57	1.62	.035	26	26	.38	677	.01	3	.71	.01	.06	2	16	4600
025359 DR	3	16	45	232	.2	29	11	674	3.83	450	5	ND	13	113	.5	130	2	57	1.60	.040	25	24	.35	997	.01	6	.59	.01	.05	2	46	3700
025360 DR	4	15	26	236	.9	39	11	885	4.67	1866	5	ND	15	100	.5	72	2	39	1.03	.033	35	19	.15	648	.01	5	.67	.01	.09	2	1030	3800
025361 DR	6	12	26	379	.4	61	13	931	6.64	2216	5	2	15	96	1.0	432	2	34	.87	.032	30	16	.15	715	.01	4	.57	.01	.09	1	1150	4200
025362 DR	3	10	25	193	.1	31	11	741	4.02	480	5	ND	16	105	.2	71	2	48	1.56	.051	32	24	.36	657	.01	4	.66	.01	.09	2	26	4900
025363 DR	14	20	48	612	.6	105	17	594	8.62	3136	6	ND	15	93	5.0	712	5	30	.50	.073	37	14	.09	1294	.01	5	.64	.01	.12	1	720	4700
025364 DR	10	14	33	453	.3	86	16	846	6.20	2029	5	ND	16	102	2.7	329	2	41	1.00	.045	36	20	.27	865	.01	5	.68	.01	.10	1	560	5400
025365 DR	6	20	62	269	.1	41	12	772	3.83	541	5	ND	14	110	.2	129	3	70	.17	.051	28	29	.11	1114	.02	2	.84	.01	.05	2	58	5200
025366 DR	9	23	84	381	.3	61	12	544	4.72	944	7	ND	17	108	.2	215	2	72	.16	.081	36	27	.03	1013	.01	2	.82	.01	.05	1	57	5800
025367 DR	6	18	81	304	.3	42	12	754	4.41	972	5	ND	18	106	.3	142	2	73	.21	.090	46	27	.03	1294	.01	2	.76	.01	.05	3	320	8700
025368 DR	6	19	92	328	.4	50	13	1335	4.40	857	5	ND	19	66	.9	134	2	68	.37	.110	57	28	.10	1262	.02	3	.87	.01	.12	2	79	3400
025369 DR	8	18	72	330	.2	54	14	945	4.87	588	5	ND	16	91	.4	236	2	71	.28	.070	45	28	.10	1348	.01	2	1.02	.01	.08	2	260	4000
025370 DR	11	18	50	353	.6	58	13	981	5.62	2368	5	2	14	86	.6	443	2	68	.13	.037	37	28	.03	987	.01	2	.68	.01	.04	2	1990	11000
025371 DR	8	18	50	307	.5	48	13	1111	5.89	2463	5	2	14	95	.2	330	2	69	.13	.041	37	27	.04	1028	.01	2	.81	.01	.04	3	1630	14000
025372 DR	7	18	48	300	.3	43	12	1074	6.14	1273	5	ND	17	94	.2	239	2	74	.38	.088	54	36	.17	936	.01	2	.75	.01	.04	2	640	9200
025373 DR	9	19	46	358	.3	56	12	1240	5.26	1439	5	ND	19	75	.2	244	2	71	.56	.110	60	35	.15	841	.01	2	.79	.01	.86	4	560	10000
025374 DR	9	18	71	383	.3	55	12	1164	4.25	1389	5	ND	20	83	.4	177	2	70	.39	.113	63	29	.06	1069	.01	2	.81	.01	.06	2	730	8500
025375 DR	7	18	55	425	.2	53	11	880	4.21	650	5	ND	20	53	.2	266	4	77	.46	.130	55	33	.22	794	.03	2	.96	.01	.10	2	420	4200
025376 DR	6	17	32	426	.1	68	12	995	3.98	422	5	ND	19	43	.2	199	4	81	.48	.126	52	41	.61	631	.10	2	1.33	.03	.26	1	66	1600
025377 DR	12	21	36	622	.2	85	11	895	4.66	578	5	ND	18	98	1.0	293	2	69	.44	.113	50	31	.08	605	.01	2	.72	.01	.07	1	60	2800
025378 DR	15	18	31	795	.4	96	10	890	4.99	1457	5	ND	17	45	1.4	521	3	55	.51	.129	54	21	.12	443	.01	3	.74	.01	.12	1	560	2900
025379 DR	26	34	55	888	.6	111	17	1476	6.62	2281	5	ND	16	137	3.1	798	2	61	.49	.141	57	36	.10	944	.01	3	.76	.01	.14	1	820	4300
025380 DR	13	21	24	786	.2	124	18	1057	4.53	501	5	ND	16	45	1.5	266	5	70	.43	.136	44	38	.66	609	.03	4	1.47	.02	.20	1	220	1100
025381 DR	6	17	24	370	.2	58	11	1007	4.31	290	5	ND	14	58	.4	96	2	89	.79	.126	35	47	1.26	472	.19	3	1.68	.05	.41	2	50	340
025382 DR	4	15	38	476	.3	81	14	588	4.10	210	5	ND	14	66	.6	62	2	85	.86	.127	37	44	1.21	454	.14	2	1.68	.05	.42	1	20	180
025383 DR	11	16	41	754	.3	94	14	848	4.62	741	5	ND	16	50	1.9	182	2	61	.53	.138	47	30	.55	600	.04	5	1.31	.02	.24	1	64	1100
025384 DR	16	16	49	752	.4	72	16	1137	4.83	1827	5	ND	16	57	1.9	211	2	45	.52	.151	51	21	.21	476	.01	5	.86	.01	.17	1	360	2700
025385 DR	19	14	40	562	.7	48	12	582	4.61	1771	5	ND	15	72	1.0	224	2	26	.36	.157	56	9	.10	596	.01	4	.67	.01	.15	1	290	1600
025386 DR	24	10	48	561	1.2	49	13	842	4.54	2324	5	ND	12	85	2.6	363	3	25	.18	.111	45	3	.04	803	.01	5	.52	.01	.11	1	1750	2100
STANDARD C/AU-R	17	57	41	130	6.6	67	31	1049	3.94	41	18	7	36	49	18.5	16	21	56	.50	.093	37	56	.84	171	.08	34	1.87	.06	.14	11	510	1500

BORC 90-146

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	Hg ppb
025387 DR	24	10	49	663	1.2	66	17	1424	4.20	2342	5	ND	11	102	3.6	371	2	31	.21	.108	49	8	.06	913	.01	7	.59	.01	.11	1	1820	3400
025388 DR	7	21	67	329	.1	54	14	1088	4.85	407	5	ND	13	104	.2	142	2	72	.22	.052	33	33	.21	856	.02	2	.73	.01	.05	1	97	6200
025389 DR	5	16	40	278	.1	43	12	1074	4.45	315	5	ND	16	107	.2	119	2	74	.30	.038	32	28	.21	808	.01	3	.59	.01	.02	1	49	7300
025390 DR	9	18	43	297	.1	62	13	1528	4.24	402	5	ND	14	123	.2	183	2	75	.21	.038	27	26	.04	964	.01	3	.69	.01	.02	1	27	7100
025391 DR	9	17	35	255	.1	61	13	1059	4.95	485	5	ND	19	68	.2	171	2	73	.35	.107	55	29	.08	1540	.01	2	.71	.01	.04	1	29	3300
025392 DR	3	15	34	182	.1	40	11	560	3.48	51	5	ND	18	65	.2	65	2	81	.64	.115	42	42	.83	3150	.13	2	1.78	.03	.24	1	10	230
025393 DR	4	13	25	220	.1	42	11	864	3.53	156	5	ND	18	70	.2	52	2	90	.58	.117	46	41	.91	2268	.21	3	1.61	.05	.44	1	37	250
025394 DR	4	13	25	251	.1	46	11	841	3.33	208	5	ND	17	69	.2	51	2	84	.51	.112	44	40	.88	1946	.19	3	1.53	.05	.46	1	152	260
025395 DR	4	15	27	247	.1	49	13	1358	3.58	69	5	ND	18	75	.2	45	2	89	.63	.120	48	41	.93	1401	.20	2	1.53	.05	.33	2	12	160
025396 DR	6	16	26	255	.1	44	10	867	3.75	163	5	ND	19	68	.2	80	2	78	.63	.123	51	40	.71	1119	.12	2	1.31	.04	.15	2	5	620
025397 DR	10	14	21	485	.1	76	12	725	3.83	411	5	ND	20	45	.2	215	2	75	.48	.131	56	31	.40	533	.07	2	1.01	.03	.21	1	52	1400
025398 DR	14	10	24	598	.1	92	14	694	3.95	248	5	ND	18	39	.2	193	2	65	.44	.132	55	30	.53	369	.03	2	1.15	.02	.20	1	15	500
025399 DR	23	15	25	494	.2	51	10	1620	4.29	279	5	ND	15	36	.2	163	2	40	.41	.127	53	10	.09	374	.01	2	.56	.01	.10	1	19	1300
025400 DR	10	16	26	554	.3	61	12	679	4.20	172	5	ND	16	53	.5	58	2	86	.67	.132	49	40	.84	626	.10	2	1.58	.03	.32	1	18	230
025401 DR	6	15	40	432	.4	60	13	573	3.87	158	5	ND	13	57	.3	57	2	89	.89	.120	35	44	1.19	302	.20	4	1.53	.04	.25	1	11	150
025402 DR	11	14	30	642	.3	105	20	656	4.93	497	5	ND	14	58	1.2	235	2	94	.87	.125	43	43	1.14	390	.19	2	1.54	.04	.31	1	35	220
025403 DR	3	13	26	396	.3	66	12	581	3.71	110	5	ND	13	76	.5	70	2	93	1.25	.119	36	41	1.25	379	.21	2	1.58	.06	.54	1	11	100
025404 DR	17	31	40	723	.5	103	18	1009	5.52	2120	5	ND	12	121	.4	201	2	64	.68	.108	40	39	.32	196	.02	2	.73	.01	.14	1	540	2500
025405 DR	9	14	59	403	.6	50	11	870	4.20	552	5	ND	11	140	.3	137	2	40	1.27	.080	27	18	.50	89	.01	3	.59	.01	.10	1	70	6100
025406 DR	6	7	115	364	.7	38	9	1127	3.89	836	5	ND	11	157	.4	113	2	28	1.59	.086	22	12	.55	68	.01	5	.56	.01	.12	1	380	3000
025407 DR	6	9	53	360	.6	48	10	1063	3.77	338	5	ND	10	236	.2	140	2	25	2.04	.103	29	12	.66	248	.01	6	.54	.01	.16	1	113	1500
025408 DR	4	6	56	342	.4	39	9	1221	3.56	325	5	ND	11	273	.5	102	2	19	2.47	.098	27	11	.81	102	.01	8	.48	.01	.15	1	80	1100
025409 DR	3	6	34	232	.6	28	9	1280	3.26	825	5	ND	10	344	.2	76	2	15	2.57	.091	24	10	.88	86	.01	9	.39	.01	.14	1	260	1500
025410 DR	3	11	29	175	.7	23	8	1111	3.06	1249	5	ND	8	424	.5	48	2	15	2.75	.088	21	9	.91	54	.01	7	.39	.01	.16	1	380	960
025411 DR	7	33	22	331	.3	76	13	278	3.01	104	5	ND	5	191	1.0	31	2	30	.63	.049	20	8	.45	31	.01	5	.42	.01	.15	1	33	600
025412 DR	8	38	16	463	.5	77	14	357	3.33	101	5	ND	5	354	3.2	36	2	38	1.02	.052	18	12	.79	36	.01	6	.47	.01	.17	1	24	710
025413 DR	6	36	16	434	.4	63	15	326	3.75	54	5	ND	6	139	3.5	18	2	29	.55	.045	22	11	.66	40	.01	5	.43	.01	.18	1	5	450
025414 DR	9	43	17	528	.7	74	13	170	2.74	48	5	ND	4	156	5.1	20	2	43	.60	.054	15	10	.47	28	.01	9	.48	.01	.17	1	9	320
025415 DR	7	34	21	427	.3	85	16	244	3.16	37	5	ND	5	103	2.7	13	2	36	.34	.056	17	8	.49	43	.01	5	.49	.01	.19	1	1	280
STANDARD C/AU-R	19	59	42	134	7.2	72	31	1051	3.94	43	21	7	39	52	18.5	15	21	55	.50	.098	39	60	.89	182	.07	34	1.87	.06	.14	11	510	1500

30 RC 90-147

ACME ANA .ICAL LABORATORIES LTD. 852 E. HASTINGS ST. V. .OUVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(6 .253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9009-032 File # 90-4244 Page 1

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5

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	Hg ppb
025416 DR	10	18	36	244	.2	32	10	1763	3.43	274	5	ND	19	84	.4	49	2	70	.22	.086	49	26	.04	847	.01	4	.51	.01	.06	2	21	2100
025417 DR	2	14	26	312	.2	37	9	704	3.36	46	5	ND	16	57	.4	15	2	89	.54	.098	43	38	.93	1268	.21	4	1.64	.05	.41	1	9	130
025418 DR	2	14	55	289	.5	26	7	411	3.57	75	5	ND	18	58	.2	65	2	84	.55	.099	44	37	.88	982	.17	5	1.68	.04	.35	1	9	160
025419 DR	2	11	28	198	.2	23	9	482	3.07	33	5	ND	16	77	.2	10	2	79	.66	.098	39	37	.97	1467	.18	5	1.53	.05	.29	1	8	110
025420 DR	2	15	33	243	.2	27	9	460	3.19	50	5	ND	17	71	.2	14	2	79	.60	.107	42	35	.89	1740	.18	2	1.51	.04	.28	2	5	150
025421 DR	3	13	22	269	.2	41	12	1330	3.34	62	5	ND	17	66	.3	20	2	82	.63	.110	47	37	.76	2595	.15	3	1.69	.03	.26	1	4	930
025422 DR	5	16	22	267	.1	40	10	1529	3.92	128	5	ND	18	65	.2	37	2	84	.47	.106	52	35	.62	2291	.12	2	1.74	.02	.43	1	3	3200
025423 DR	16	23	42	493	.4	74	16	3338	4.40	264	5	ND	18	50	1.1	34	2	67	.44	.114	58	26	.26	1351	.02	4	1.08	.01	.17	1	29	2300
025424 DR	7	13	19	201	.1	25	12	417	3.92	72	5	ND	19	48	.2	26	2	73	.46	.118	41	31	.42	967	.05	3	1.34	.02	.22	1	9	1700
025425 DR	11	14	14	247	.1	37	11	358	4.47	407	5	ND	16	56	.4	27	5	58	.42	.119	56	22	.20	1879	.02	5	1.04	.01	.15	1	4	780
025426 DR	10	25	15	284	.2	43	9	237	3.93	390	5	ND	11	99	.5	30	2	52	.23	.084	35	14	.19	1723	.01	6	.80	.01	.15	1	1	440
025427 DR	6	11	18	303	.2	45	12	240	3.73	120	6	ND	15	45	.3	15	5	46	.28	.095	36	15	.42	1048	.01	6	.95	.02	.12	1	3	120
025428 DR	15	6	9	349	.2	83	13	1469	3.73	152	5	ND	14	31	.8	30	3	17	.36	.119	45	4	.08	474	.01	7	.48	.01	.12	1	2	90
025429 DR	14	10	10	326	.2	57	11	973	3.67	155	5	ND	15	39	.6	33	2	37	.38	.121	48	12	.29	656	.01	5	.80	.02	.13	1	1	130
025430 DR	8	8	16	261	.2	35	11	784	3.65	125	5	ND	15	48	.6	30	4	55	.46	.111	49	21	.70	1320	.02	6	1.53	.02	.16	1	3	80
025431 DR	4	8	18	173	.2	19	10	513	3.47	91	5	ND	14	44	.6	17	5	56	.42	.100	38	28	.98	1153	.01	5	1.72	.02	.10	1	2	100
025432 DR	3	8	18	236	.2	16	8	613	3.80	115	5	ND	14	45	.9	14	2	50	.41	.103	40	25	.95	780	.01	4	1.62	.01	.12	1	2	210
025433 DR	2	6	14	209	.2	15	6	529	3.48	108	5	ND	14	57	.8	13	2	56	.76	.098	40	27	1.10	477	.01	5	1.73	.02	.11	1	1	80
025434 DR	3	8	19	303	.2	27	10	1005	3.73	162	5	ND	13	46	.7	20	2	60	.55	.100	46	25	1.15	580	.01	7	1.85	.02	.11	1	2	60
025435 DR	2	9	51	1127	.5	29	10	774	3.90	107	5	ND	13	30	8.4	36	4	46	.47	.096	42	19	.57	186	.01	5	1.13	.01	.12	1	1	180
025436 DR	5	29	246	767	1.7	65	14	466	3.66	78	5	ND	10	67	5.0	79	3	30	.42	.082	25	8	.28	102	.01	8	.49	.01	.16	1	4	660
025437 DR	10	40	39	518	.6	95	13	255	2.99	56	7	ND	6	141	3.4	15	3	43	.26	.076	21	7	.15	65	.01	10	.48	.01	.14	1	1	500
025438 DR	7	41	17	596	.3	87	15	441	3.78	62	5	ND	6	169	3.3	17	2	57	.44	.104	24	14	.52	99	.01	11	.62	.01	.19	1	1	570
025439 DR	7	40	18	552	.3	84	14	265	2.66	23	5	ND	6	141	3.9	11	2	29	.49	.053	25	9	.41	155	.01	6	.39	.01	.14	1	1	400
025440 DR	6	19	41	409	.4	58	14	641	4.04	1038	5	ND	18	88	1.0	312	5	60	.13	.080	40	26	.03	672	.01	6	.52	.01	.06	1	612	10600
025441 DR	5	20	43	370	.2	53	13	721	4.63	449	5	ND	18	102	.4	189	3	66	.13	.084	40	26	.02	832	.01	4	.56	.01	.05	1	37	4300
025442 DR	5	18	44	360	.6	44	14	899	4.47	1616	5	2	14	107	.6	289	5	60	.06	.042	31	21	.01	733	.01	4	.54	.01	.04	2	1904	6400
025443 DR	6	18	43	373	.6	49	13	618	3.99	1259	6	2	11	85	.9	338	3	55	.05	.034	25	20	.02	584	.01	4	.57	.01	.04	2	1828	5600
025444 DR	7	15	34	392	1.0	43	10	415	3.78	2181	5	2	11	90	1.4	642	5	21	.08	.043	39	5	.02	753	.01	6	.43	.01	.07	1	2253	6800
025445 DR	7	15	23	391	.8	44	10	480	4.07	2869	5	3	11	87	1.1	474	4	15	.10	.042	41	3	.02	830	.01	6	.44	.01	.09	1	2763	6200
025446 DR	7	16	22	414	.8	60	14	555	4.28	2619	5	3	12	102	1.3	497	2	15	.10	.050	44	7	.03	932	.01	5	.51	.01	.10	1	3358	6600
025447 DR	9	28	36	463	.5	74	15	863	4.54	1463	5	ND	24	119	.7	222	4	18	.17	.091	72	15	.03	1000	.01	6	.49	.01	.12	1	689	2800
025448 DR	12	30	31	503	.1	107	18	2205	4.48	955	5	ND	27	107	.7	155	3	18	.23	.110	77	15	.03	958	.01	5	.42	.01	.13	1	179	4400
025449 DR	11	30	24	317	.2	49	14	951	4.28	2087	5	ND	27	56	.8	87	4	18	.32	.116	75	14	.03	458	.01	5	.35	.01	.15	1	867	2900
025450 DR	10	29	24	360	.2	55	13	287	4.64	1032	5	ND	28	100	.6	88	3	20	.26	.122	81	16	.03	635	.01	6	.47	.01	.15	1	15	1300
025451 DR	9	14	27	298	.4	45	9	251	3.88	719	6	ND	19	68	.8	59	5	22	.28	.118	60	12	.04	476	.01	9	.56	.01	.13	1	221	1200
STANDARD C/AU-R	18	59	40	131	6.9	72	31	1052	3.96	40	21	7	37	53	18.6	16	17	55	.51	.096	38	60	.91	181	.07	36	1.88	.06	.14	11	510	1500

BORC 90-148

BORC 90-149

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: P1 TO P6 CUTTING P7 CORE P8 ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.
HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: SEP 5 1990 DATE REPORT MAILED: Sept 13/90. SIGNED BY ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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	Hg ppb
025452 DR	11	8	24	332	.4	42	11	520	3.97	480	5	ND	14	111	.2	65	3	27	.16	.102	50	9	.04	907	.01	7	.63	.01	.11	1	22	3400
025453 DR	14	19	41	321	.7	43	21	910	3.97	459	5	ND	14	116	.2	52	2	18	.08	.086	46	6	.03	1068	.01	6	.67	.01	.14	1	29	7100
025454 DR	10	11	82	215	1.7	17	5	119	3.20	1488	5	ND	13	140	1.1	47	7	13	.07	.073	43	3	.03	1398	.01	7	.63	.01	.16	1	1030	5200
025455 DR	15	17	68	443	.7	48	11	391	4.68	1361	5	ND	14	117	1.6	66	3	15	.11	.084	46	5	.03	1247	.01	6	.68	.01	.16	1	210	5900
025456 DR	13	24	18	271	.8	44	9	396	3.26	344	5	ND	11	137	.2	39	7	74	.29	.162	40	14	.03	1506	.01	6	.60	.01	.15	1	19	3100
025457 DR	8	28	21	308	.7	58	14	665	3.04	153	5	ND	9	131	.9	24	8	74	.41	.135	38	15	.07	1116	.01	8	.62	.01	.17	1	14	1600
025458 DR	11	35	23	418	.5	79	13	566	3.77	175	5	ND	21	116	1.0	34	4	52	.36	.109	58	20	.05	1244	.01	5	.57	.01	.16	1	7	1800
025459 DR	14	36	20	567	.4	86	15	824	4.50	222	5	ND	29	46	.7	43	2	32	.35	.141	80	26	.04	332	.01	2	.54	.01	.15	1	7	2000
025460 DR	8	36	19	598	.4	92	21	1053	4.35	125	5	ND	28	74	1.7	28	2	28	.43	.126	76	21	.08	510	.01	2	.55	.01	.16	1	5	1700
025461 DR	7	35	42	533	.5	87	17	1094	4.33	190	5	ND	21	207	1.3	28	2	29	1.05	.101	59	21	.41	598	.01	7	.60	.01	.20	1	47	1800
025462 DR	16	36	21	525	.8	121	16	2266	3.58	399	5	ND	13	105	3.2	68	2	53	.35	.065	47	14	.13	863	.01	8	.69	.01	.20	1	40	2600
025463 DR	10	48	14	324	.4	86	11	204	3.06	100	5	ND	7	85	1.8	12	2	53	.13	.050	26	8	.06	73	.01	9	.62	.01	.19	1	2	1500
025464 DR	7	25	46	463	.9	59	15	944	4.30	1025	5	ND	19	108	.4	485	2	72	.29	.102	45	31	.12	1025	.01	7	.73	.01	.10	1	1070	3400
025465 DR	6	20	56	442	.6	54	13	860	4.85	516	5	ND	22	59	.2	413	2	85	.28	.125	55	34	.04	672	.01	3	.68	.01	.07	1	6	4100
025468 DR	6	18	32	375	.4	54	14	962	4.27	625	5	ND	13	110	.2	511	3	54	.05	.040	26	18	.02	783	.01	2	.61	.01	.05	1	360	3400
025469 DR	8	18	32	378	.6	55	13	884	4.03	1253	5	2	11	102	.6	677	4	40	.07	.042	32	13	.03	848	.01	6	.67	.01	.10	1	1960	4800
025470 DR	9	15	49	531	.6	65	16	1110	4.50	1195	5	ND	10	100	.6	503	2	31	.06	.044	34	9	.03	889	.01	7	.54	.01	.08	1	620	7800
025471 DR	9	12	76	579	.9	50	15	1097	5.76	776	5	ND	11	116	1.7	315	4	57	.05	.049	29	13	.02	1014	.01	5	.69	.01	.05	1	220	5200
025472 DR	8	9	66	471	.4	48	12	786	4.79	621	5	ND	10	97	1.0	247	4	48	.04	.041	25	12	.02	765	.01	4	.66	.01	.07	1	45	4900
025473 DR	6	11	50	250	.5	34	11	1002	4.05	226	5	ND	12	100	.2	94	2	40	.46	.040	31	15	.12	904	.01	5	.72	.01	.11	1	7	2300
025474 DR	18	13	41	591	.9	108	23	3378	4.77	814	5	ND	13	121	1.6	200	4	30	.13	.068	39	13	.05	1437	.01	5	.63	.01	.11	1	280	5400
025475 DR	13	12	64	564	.6	87	13	2045	4.32	438	5	ND	13	132	.8	125	4	24	.08	.070	38	8	.04	1375	.01	5	.67	.01	.12	1	44	7300
025476 DR	15	30	46	354	1.9	59	8	967	2.71	579	5	ND	8	263	2.1	96	3	240	.25	.173	25	30	.03	2683	.01	11	.69	.01	.11	1	750	13000
025477 DR	16	60	18	182	2.2	58	9	336	1.48	219	5	ND	3	478	1.7	43	3	504	.42	.375	13	64	.02	5910	.01	8	.79	.01	.07	1	37	6300
025478 DR	10	56	10	158	1.3	33	4	95	1.67	190	5	ND	5	285	1.2	33	2	267	.77	.397	21	39	.04	2496	.01	20	.86	.01	.18	1	2	2300
025479 DR	13	42	13	185	.7	23	2	75	1.78	125	5	ND	6	148	.8	27	2	106	.15	.065	26	15	.04	1283	.01	7	.55	.01	.17	1	19	950
025480 DR	11	24	15	207	.4	24	3	48	2.54	40	5	ND	8	82	.2	19	4	48	.11	.056	36	9	.05	1103	.01	10	.58	.01	.19	1	1	500
025481 DR	9	33	16	287	.3	39	7	73	2.43	33	5	ND	7	72	1.8	16	2	45	.06	.053	32	9	.08	783	.01	11	.61	.01	.19	1	4	310
025482 DR	10	48	20	427	.3	86	14	92	2.61	39	5	ND	7	75	6.0	15	4	46	.09	.050	31	8	.10	172	.01	9	.65	.01	.18	1	1	280
025483 DR	10	34	21	627	.3	86	14	139	3.10	47	5	ND	7	73	1.6	13	4	54	.12	.050	29	8	.19	245	.01	8	.57	.01	.19	1	3	350
025484 DR	10	26	24	216	.4	41	7	89	2.66	63	5	ND	7	87	1.5	18	3	49	.09	.042	30	7	.06	131	.01	12	.54	.01	.25	1	1	380
025485 DR	13	35	28	483	.3	63	9	213	4.59	154	5	ND	18	101	.6	30	2	35	.13	.089	50	13	.05	515	.01	7	.55	.01	.25	1	3	800
025486 DR	10	36	35	608	.2	77	12	412	4.58	148	5	ND	24	156	1.7	26	2	28	.75	.113	62	18	.27	490	.01	2	.51	.01	.15	1	2	950
025487 DR	12	35	40	649	.3	84	12	463	4.70	196	5	ND	24	190	1.1	27	3	27	1.09	.118	64	21	.42	664	.01	6	.58	.01	.17	1	1	1100
025488 DR	26	44	28	873	.4	152	15	302	4.78	782	5	ND	10	114	.9	42	2	34	.29	.077	38	11	.28	477	.01	7	.59	.01	.18	1	210	1400
025489 DR	6	15	34	344	.5	52	11	615	3.85	1034	5	ND	14	91	.7	630	2	24	.15	.078	48	10	.06	864	.01	8	.66	.01	.15	1	250	2300
STANDARD C/AU-R	18	59	38	131	6.9	72	31	1052	3.97	40	19	7	37	53	18.4	15	19	55	.51	.096	39	60	.91	181	.07	34	1.88	.06	.14	13	520	1600

BCRC 90-150 (NOTE: 66,67 N/S)

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T41 P02

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	Hg ppb
025490 DR	4	14	81	483	.4	64	13	712	4.22	677	5	ND	15	42	1.6	360	2	44	.42	.114	44	18	.31	553	.04	2	1.25	.01	.20	1	81	730
025491 DR	6	39	97	498	1.7	69	22	1020	5.50	1140	5	ND	17	111	1.2	577	2	63	.34	.156	59	47	.11	1049	.01	2	.80	.01	.15	1	216	2700
025492 DR	7	25	67	371	1.8	52	15	859	4.65	943	5	ND	17	162	.5	630	2	51	.10	.086	41	31	.04	1394	.01	4	.79	.01	.09	1	234	4600
025493 DR	6	18	44	252	.3	42	14	907	3.79	616	5	ND	17	147	.2	402	2	53	.06	.064	43	22	.03	1129	.01	2	.74	.01	.07	1	112	4800
025494 DR	5	17	42	218	.3	35	12	980	3.67	822	5	ND	15	131	.2	356	2	56	.06	.053	35	24	.02	980	.01	2	.72	.01	.05	1	360	8200
025495 DR	6	22	77	321	.9	48	14	974	3.83	1180	5	ND	16	122	.7	3370	2	51	.10	.052	38	22	.02	958	.01	4	.69	.01	.07	1	414	6200
025496 DR	5	19	98	348	2.5	44	12	1271	4.03	4726	5	6	13	108	1.7	1240	2	38	.15	.038	35	21	.02	820	.01	3	.57	.01	.08	1	6048	7800
025497 DR	8	14	35	293	1.8	52	9	869	4.23	3661	5	6	11	104	.5	624	3	29	.13	.048	36	8	.02	983	.01	2	.51	.01	.08	1	6291	4600
025498 DR	7	14	50	296	1.2	41	10	1294	4.25	3122	5	4	10	94	.6	334	5	27	.11	.041	35	7	.02	832	.01	3	.53	.01	.10	1	3285	3600
025499 DR	7	9	35	349	.6	48	14	1339	4.39	2969	5	4	10	117	.5	756	2	29	.12	.060	37	9	.03	1187	.01	5	.60	.01	.12	1	3645	6300
025500 DR	9	10	34	331	.9	49	11	1822	4.11	3889	5	9	11	106	1.3	1626	2	32	.13	.061	39	11	.03	1197	.01	6	.64	.01	.12	1	8577	4100
025501 DR	11	12	90	429	.7	55	13	1355	4.22	2539	5	3	11	101	1.9	342	2	26	.11	.067	40	9	.03	1138	.01	6	.74	.01	.14	1	2394	3600
025502 DR	13	19	38	292	1.1	44	6	283	3.03	1462	5	ND	7	323	1.9	191	2	103	.72	.377	26	24	.05	2804	.01	16	1.10	.01	.23	1	1143	3400
025503 DR	14	21	20	90	.3	16	3	71	1.87	231	5	ND	5	105	.2	73	2	61	.11	.057	26	12	.05	1861	.01	8	.68	.01	.17	1	142	1400
025504 DR	18	30	19	311	.4	42	5	127	3.72	144	7	ND	7	95	.4	62	3	73	.12	.058	28	11	.06	1312	.01	10	.65	.01	.18	1	110	540
025505 DR	12	33	21	351	.3	69	10	136	2.57	141	5	ND	8	102	1.4	54	2	65	.14	.065	29	15	.06	298	.01	9	.69	.01	.18	1	50	860
025506 DR	11	28	13	177	.5	37	4	54	2.46	85	6	ND	4	172	1.4	17	2	89	.10	.118	16	16	.05	93	.01	10	.66	.02	.23	1	28	410
025507 DR	13	36	26	396	.6	57	8	271	3.08	86	5	ND	16	288	1.6	20	2	85	.95	.195	41	26	.39	165	.01	6	.62	.01	.16	1	25	2500
025508 DR	16	35	24	535	.3	75	10	369	3.83	166	5	ND	18	249	2.4	35	2	58	1.23	.142	43	26	.48	172	.01	8	.63	.01	.18	1	54	920
025509 DR	8	33	26	449	.1	55	12	683	3.78	108	5	ND	22	332	1.9	31	4	28	2.34	.111	46	29	.98	316	.01	6	.52	.01	.13	1	31	680
025510 DR	7	45	22	741	.2	94	16	403	3.59	60	5	ND	8	131	6.7	13	3	43	.50	.059	30	16	.54	70	.01	5	.69	.01	.21	1	8	400
025511 DR	6	38	18	757	.2	91	18	392	3.72	39	5	ND	7	98	2.4	12	3	36	.36	.051	29	12	.57	74	.01	6	.61	.01	.21	1	12	180
025512 DR	8	36	23	707	.4	90	16	328	3.36	59	7	ND	7	116	2.4	16	2	40	.46	.051	25	16	.46	56	.01	8	.61	.01	.20	1	10	220
025513 DR	4	18	31	201	.2	30	10	693	3.21	275	5	ND	14	75	.7	154	2	77	.41	.101	40	35	.67	855	.12	2	1.46	.04	.32	1	138	570
025514 DR	2	14	32	135	.1	17	8	606	2.98	107	5	ND	16	60	.4	52	2	74	.47	.104	47	36	.67	715	.14	2	1.45	.05	.35	1	68	270
025515 DR	3	22	49	264	.3	52	15	877	3.90	247	5	ND	17	60	.8	201	2	78	.49	.131	54	46	.59	805	.12	2	1.50	.03	.37	1	50	300
025516 DR	3	23	53	227	.6	46	14	993	3.87	193	5	ND	17	63	1.0	180	4	81	.56	.127	49	52	.73	901	.15	5	1.37	.04	.41	1	25	160
025517 DR	1	15	30	129	.1	21	9	622	3.16	73	5	ND	14	63	.2	62	2	83	.56	.104	38	40	.94	914	.20	2	1.53	.05	.46	1	22	110
025518 DR	2	14	28	134	.1	23	9	631	3.11	76	5	ND	14	64	.2	65	2	81	.63	.104	38	39	.92	1368	.18	2	1.55	.05	.37	1	32	100
025519 DR	2	13	26	107	.1	17	8	523	2.89	36	5	ND	14	68	.2	27	2	78	.80	.104	35	36	.96	663	.20	2	1.43	.06	.30	1	15	60
025520 DR	3	20	29	229	.2	35	10	721	3.50	192	5	ND	18	58	.4	54	2	83	.53	.115	49	50	.92	828	.18	2	1.51	.05	.48	1	31	270
025521 DR	3	17	20	234	.2	40	10	814	3.30	392	5	ND	17	49	.2	62	3	76	.42	.114	49	40	.80	797	.15	2	1.44	.04	.46	1	216	250
025522 DR	3	18	28	246	.2	44	10	788	3.42	357	5	ND	17	51	.2	87	3	73	.40	.113	46	38	.74	762	.15	4	1.40	.04	.50	2	117	280
025523 DR	3	16	30	312	.3	57	11	871	3.23	278	5	ND	17	53	.3	130	5	58	.58	.115	46	29	.54	602	.11	5	1.14	.03	.37	1	10	620
025524 DR	7	16	68	448	.3	79	13	1041	3.41	465	5	ND	18	106	.8	326	4	62	.25	.098	45	31	.19	960	.03	2	1.01	.01	.14	1	33	4600
025525 DR	8	23	170	562	1.3	51	11	629	4.22	1071	5	ND	16	90	2.0	356	3	50	.23	.089	39	22	.06	655	.01	5	.67	.01	.08	1	264	5200
STANDARD C/AU-R	18	60	41	133	7.1	73	31	1052	3.97	41	21	7	38	53	18.6	16	21	55	.51	.099	37	60	.90	181	.07	36	1.88	.06	.14	11	520	1500

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BCRC 90-152

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141 P04

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	Hg ppb
025526 DR	10	18	39	534	.5	75	11	488	4.14	1633	5	ND	20	71	.8	544	2	57	.34	.124	52	24	.05	549	.01	8	.65	.01	.11	1	750	2300
025527 DR	12	22	55	585	.7	85	12	403	4.78	1623	5	ND	15	97	.9	601	2	52	.13	.062	35	22	.03	619	.01	8	.71	.01	.07	1	680	3500
025528 DR	11	16	58	414	.8	61	11	674	4.09	1984	5	ND	16	101	.4	266	2	40	.27	.070	37	21	.06	767	.01	10	.73	.01	.11	1	1070	3600
025529 DR	14	19	47	569	.8	114	11	810	4.04	1896	5	ND	17	96	.8	485	2	29	.22	.091	39	13	.03	783	.01	11	.65	.01	.11	1	1060	2300
025530 DR	15	11	31	495	1.2	103	9	1456	4.45	2028	5	ND	10	141	.2	491	2	22	1.12	.037	26	11	.40	388	.01	8	.55	.01	.10	1	1490	1600
025531 DR	16	13	39	619	1.5	100	13	911	5.12	3139	5	3	11	115	.7	777	3	26	.82	.039	25	11	.29	117	.01	8	.52	.01	.08	2	2890	2200
025532 DR	26	13	37	727	1.4	119	12	565	5.07	3897	5	3	7	115	1.3	618	2	26	.72	.045	17	17	.25	119	.01	6	.48	.01	.07	1	4930	3500
025533 DR	21	49	22	648	1.1	85	9	274	2.62	385	9	ND	4	326	5.3	71	4	122	1.00	.243	10	22	.35	107	.01	13	.67	.01	.11	1	200	2500
025534 DR	10	33	36	725	.5	59	11	834	4.05	205	5	ND	20	529	1.4	40	5	23	3.04	.110	45	23	1.28	762	.01	7	.61	.01	.16	1	76	1300
025535 DR	8	26	28	664	.3	60	12	889	4.10	216	5	ND	21	336	.2	60	2	30	2.53	.096	38	30	1.09	690	.01	6	.59	.01	.12	1	13	1600
025536 DR	6	29	28	402	.4	43	11	839	4.04	177	5	ND	19	405	.6	49	5	25	2.76	.107	37	25	1.30	588	.01	6	.52	.01	.14	1	89	1800
025537 DR	8	21	39	244	.7	48	13	1289	4.51	1600	5	ND	15	82	.6	432	2	67	.18	.053	39	28	.18	852	.03	7	.93	.01	.07	2	960	6300
025538 DR	9	22	54	269	.4	55	14	984	4.23	1048	5	ND	13	84	.5	367	2	57	.07	.035	30	26	.03	667	.01	6	.60	.01	.04	2	180	6600
025539 DR	11	37	63	324	.7	76	21	1424	6.15	1240	5	ND	13	107	1.1	479	2	70	.09	.057	41	50	.04	1003	.01	4	.59	.01	.06	2	108	7800
025540 DR	5	17	35	189	.3	39	10	773	3.71	423	5	ND	17	63	.2	179	2	71	.41	.102	44	37	.38	677	.11	2	1.15	.03	.25	1	45	2000
025541 DR	4	16	35	145	.2	29	9	769	2.95	203	5	ND	18	43	.2	84	3	68	.45	.110	43	30	.32	435	.07	2	.98	.02	.19	1	4	2700
025542 DR	6	18	38	195	.2	37	11	1001	3.28	264	5	ND	20	36	.3	123	4	70	.42	.120	59	29	.08	269	.01	3	.63	.01	.07	1	24	5400
025543 DR	6	19	42	251	.3	42	11	1010	3.85	414	5	ND	17	97	.5	229	2	71	.70	.074	47	30	.11	734	.01	3	.74	.01	.05	1	135	6800
025544 DR	10	18	40	353	.4	74	14	2007	4.36	1099	5	ND	18	109	.6	395	2	68	.26	.078	48	33	.09	1004	.01	5	.70	.01	.06	2	1120	6400
025545 DR	8	18	33	308	.3	53	10	858	3.33	395	5	ND	20	90	.2	191	2	78	.36	.110	52	30	.04	630	.01	2	.68	.01	.06	2	31	7200
025546 DR	5	17	22	301	.2	53	12	507	3.08	307	5	ND	20	45	.2	127	4	73	.48	.132	48	34	.36	357	.06	3	1.03	.02	.18	1	17	1900
025547 DR	2	15	20	210	.1	34	9	416	3.08	115	5	ND	16	51	.2	46	2	74	.64	.112	40	37	.79	337	.11	4	1.33	.04	.13	2	19	520
025548 DR	3	16	16	373	.2	57	11	483	3.90	256	5	ND	18	45	.2	83	2	87	.44	.124	50	48	1.14	497	.08	4	1.87	.03	.25	1	35	340
025549 DR	5	14	23	383	.2	62	12	546	3.47	247	5	ND	18	40	.2	77	2	76	.41	.127	51	36	.75	489	.09	3	1.46	.03	.33	1	19	330
025550 DR	4	9	14	367	.2	75	11	728	3.91	178	5	ND	15	52	.2	87	3	75	.52	.108	43	32	1.01	406	.10	3	1.70	.04	.19	1	27	210
025551 DR	7	8	21	603	.3	130	11	1250	4.45	382	5	ND	15	43	.2	185	2	71	.53	.109	36	25	.99	311	.12	3	1.72	.04	.07	1	40	340
025552 DR	9	12	35	557	.1	87	12	783	3.66	324	5	ND	16	60	.3	149	2	56	.68	.108	43	24	.65	227	.02	4	1.39	.04	.12	1	27	510
025553 DR	14	7	30	794	.2	143	17	1196	3.77	297	5	ND	14	59	.2	87	2	39	.65	.115	42	19	.42	375	.02	6	1.10	.03	.20	1	5	180
025554 DR	13	12	47	585	.4	91	15	901	3.74	217	5	ND	15	70	.4	76	3	27	.77	.113	43	13	.27	592	.02	10	.86	.02	.20	1	16	210
025555 DR	15	10	36	504	.4	82	11	656	3.80	644	5	ND	15	72	.5	89	2	22	.69	.113	41	10	.22	318	.01	12	.75	.02	.20	1	102	270
025556 DR	17	12	35	510	.3	78	10	741	3.97	1459	5	ND	14	112	.8	164	3	21	.88	.115	39	17	.26	254	.01	11	.66	.01	.20	1	160	680
025557 DR	16	6	24	463	.5	79	11	746	3.77	2100	5	ND	11	162	.4	147	3	16	.93	.094	30	9	.27	150	.01	11	.57	.01	.20	1	220	900
025558 DR	37	11	64	835	.8	140	13	894	4.94	2139	5	ND	13	135	.7	197	2	15	.93	.103	32	6	.25	122	.01	13	.53	.01	.21	1	480	950
025559 DR	39	8	33	1133	.5	153	13	1431	5.65	3657	5	ND	10	355	.8	175	4	13	2.06	.089	25	10	.65	111	.01	9	.36	.01	.15	1	580	1050
025560 DR	18	32	24	641	.6	105	13	554	3.73	1062	5	ND	5	281	1.7	58	3	27	1.05	.061	18	14	.44	60	.01	8	.40	.01	.15	1	160	920
025561 DR	18	63	25	618	1.2	85	4	89	2.21	254	12	ND	5	123	7.4	16	7	123	.79	.375	20	22	.06	1091	.01	9	.69	.01	.17	1	48	3100
STANDARD C/AU-R	19	60	40	134	7.3	72	31	1052	3.96	42	16	7	39	52	19.0	15	21	56	.51	.098	39	60	.91	182	.07	37	1.92	.06	.13	13	540	1600

BCRC 90-153

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	Hg ppb
025562 DR	21	58	26	425	1.3	58	3	78	1.97	201	5	ND	5	107	5.4	10	3	126	.26	.170	21	17	.04	1412	.01	8	.57	.01	.16	2	16	3200
025563 DR	20	83	38	744	1.4	79	5	76	2.87	259	5	ND	6	268	9.1	15	3	237	.88	.588	27	40	.02	2434	.01	8	.81	.01	.12	1	48	4100
025564 DR	22	47	29	328	1.2	59	4	50	2.21	319	5	ND	3	169	6.9	14	5	364	1.04	.546	20	49	.04	2055	.01	8	.69	.01	.21	2	410	3600
025565 DR	14	44	40	229	1.3	31	3	63	1.71	440	5	ND	3	169	14.0	7	4	901	1.98	1.031	27	94	.06	2037	.01	7	.72	.01	.24	3	86	2500
025566 DR	8	74	20	825	.5	62	5	130	4.48	901	5	ND	15	64	12.7	9	3	97	.37	.194	44	28	.51	918	.06	3	1.54	.02	.32	1	128	830
025567 DR	13	78	19	1755	.2	127	16	335	5.01	512	5	ND	16	39	14.9	9	3	77	.26	.162	58	25	.17	614	.01	2	.95	.01	.12	1	118	1300
025568 DR	17	104	46	1509	1.4	123	7	109	4.72	384	5	ND	11	101	28.1	19	4	205	.81	.448	46	42	.04	1096	.01	3	1.07	.01	.08	1	147	15000
025569 DR	29	100	67	739	1.6	76	4	49	3.32	233	5	ND	6	54	19.5	14	4	84	.19	.143	26	18	.02	698	.01	3	.56	.01	.12	1	14	6300
025570 DR	36	131	61	641	2.6	78	4	44	2.09	213	5	ND	4	215	11.9	12	3	694	1.83	.972	20	77	.05	1161	.01	20	.89	.01	.23	2	4	1100
025571 DR	14	123	36	318	2.5	53	3	28	1.08	148	5	ND	2	219	6.5	7	4	729	2.07	1.018	20	111	.04	1801	.01	11	.71	.01	.17	2	5	1200
025572 DR	7	121	22	199	2.3	47	4	40	1.02	166	5	ND	2	493	5.2	6	2	390	3.26	1.842	20	141	.03	3646	.01	19	.92	.01	.16	3	1	2600
025573 DR	13	146	40	181	3.8	62	4	20	1.04	266	6	ND	3	461	4.9	13	3	589	3.12	1.846	27	174	.04	3548	.01	20	1.03	.01	.20	3	1	5600
025574 DR	8	129	30	241	2.8	51	2	62	1.26	470	5	ND	2	258	6.1	8	5	591	2.57	1.370	18	95	.04	1143	.01	11	.64	.01	.18	2	36	3200
025575 DR	7	142	18	195	1.9	57	2	39	.65	193	5	ND	1	214	4.3	5	4	827	2.15	.966	16	79	.05	1471	.01	15	.61	.01	.17	2	59	3300
025576 DR	8	178	24	221	2.3	59	3	36	.79	241	5	ND	2	439	6.6	8	5	825	3.40	1.828	21	126	.04	2486	.01	16	.84	.01	.16	3	10	1400
025577 DR	45	464	27	2479	2.2	225	3	56	1.16	526	5	ND	2	268	67.9	15	3	1530	1.92	.904	16	118	.08	244	.02	10	.91	.01	.23	3	210	8800
025578 DR	11	225	10	758	2.5	85	3	53	.87	309	5	ND	2	337	26.7	8	2	655	2.71	1.384	17	97	.04	1185	.01	18	.63	.01	.15	3	80	3600
025579 DR	26	192	9	1187	1.2	173	3	51	.90	424	5	ND	2	313	40.2	10	3	695	3.16	1.640	20	131	.06	776	.01	15	.73	.01	.16	3	54	2600
025580 DR	19	209	10	1207	1.4	190	4	48	1.16	377	5	ND	1	232	40.7	6	2	551	3.09	1.569	15	82	.04	115	.01	13	.67	.01	.16	1	16	1800
025581 DR	33	347	30	3012	1.9	201	15	814	3.40	807	5	ND	4	275	76.8	9	2	571	2.23	.260	13	43	.97	115	.01	8	.68	.01	.22	1	64	2600
025582 DR	39	110	53	573	1.8	252	6	170	1.62	1629	5	ND	1	241	13.0	14	2	497	1.70	.747	10	57	.14	92	.01	8	.68	.01	.15	5	125	2700
025583 DR	27	261	876	1459	6.1	299	4	81	3.25	2348	5	ND	1	164	16.1	46	3	438	2.46	1.198	9	87	.07	37	.01	6	.51	.01	.15	1	290	3800
025584 DR	50	102	107	920	1.6	325	5	138	1.59	1849	5	ND	1	240	16.6	17	3	939	2.11	.882	10	88	.22	81	.01	11	.95	.01	.22	4	115	2600
025585 DR	31	58	34	223	1.9	43	2	43	1.46	216	5	ND	4	81	2.9	26	4	1024	.28	.179	18	47	.07	1234	.01	7	.76	.01	.19	2	20	3200
025586 DR	21	87	25	84	3.1	20	2	25	1.12	194	5	ND	3	252	4.2	21	2	1245	1.77	1.115	23	123	.09	2341	.01	24	1.26	.01	.31	1	7	4000
025587 DR	20	29	15	114	2.8	18	4	25	1.23	118	5	ND	3	292	3.9	11	2	324	.79	.730	18	55	.05	3619	.01	17	.89	.01	.18	1	16	2400
025588 DR	13	44	19	119	3.7	22	5	199	1.53	142	5	ND	2	491	6.7	9	2	214	1.56	1.384	20	70	.05	5545	.01	18	1.19	.01	.20	1	5	2800
025589 DR	15	155	24	160	3.0	29	4	79	2.03	286	5	ND	2	421	8.1	9	3	253	1.51	1.469	19	61	.05	3558	.01	18	1.20	.01	.22	1	3	3300
025590 DR	8	25	26	138	2.2	15	1	33	.74	414	5	ND	5	84	5.6	11	2	53	.13	.120	23	16	.04	1049	.01	11	.58	.01	.20	2	230	2000
025591 DR	23	75	45	203	1.6	25	2	183	1.87	252	5	ND	5	48	4.6	21	2	58	.08	.052	19	12	.04	733	.01	8	.55	.01	.19	2	10	1800
025592 DR	16	228	95	708	3.3	98	17	400	4.16	2570	5	ND	8	37	38.5	24	2	21	.23	.031	12	8	.10	45	.01	7	.49	.01	.19	1	2320	2000
025593 DR	25	106	51	606	2.8	103	12	171	3.36	1677	5	ND	4	39	34.0	21	3	34	.18	.039	10	11	.07	44	.01	9	.56	.01	.20	1	460	2500
025594 DR	16	65	76	1175	2.7	114	16	516	3.69	292	5	ND	3	53	60.0	18	2	41	.61	.046	9	16	.33	59	.01	10	.51	.01	.18	1	4	1900
025595 DR	11	61	85	1109	2.6	93	14	517	3.36	844	5	ND	3	73	63.7	18	2	38	1.06	.047	8	20	.43	56	.01	6	.49	.01	.17	1	20	2800
025596 DR	20	122	38	1331	3.2	162	7	416	1.87	948	5	ND	2	235	43.0	14	2	305	2.50	.783	14	55	.36	94	.01	11	.82	.01	.22	1	5	6400
025597 DR	8	53	27	1583	1.4	104	11	941	3.54	1791	5	ND	10	167	45.6	12	3	144	2.09	.264	27	35	.70	93	.01	6	.97	.01	.12	1	162	6500
STANDARD C/AU-R	18	60	37	129	7.1	72	31	1053	3.97	43	23	7	38	52	18.4	15	19	56	.51	.098	38	59	.91	182	.07	37	1.88	.06	.14	13	530	1400

BCRC 90-154

BCRC 90-155

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	Hg ppb
025598 DR	17	65	65	603	1.9	69	6	272	2.52	549	5	ND	5	200	13.0	23	4	231	.76	.345	20	37	.18	1432	.02	12	.96	.01	.17	3	870	2600
025599 DR	28	91	45	454	2.0	55	4	154	2.36	259	5	ND	3	146	8.1	35	5	110	.35	.106	13	17	.12	799	.01	9	.63	.01	.15	3	75	1800
025600 DR	37	61	79	400	3.8	47	3	83	1.78	172	5	ND	4	90	7.9	22	7	153	.19	.173	16	29	.08	671	.01	11	.60	.01	.16	3	50	2500
025601 DR	34	35	125	119	2.9	16	1	60	.60	62	5	ND	3	38	5.2	13	4	200	.07	.050	17	19	.04	487	.01	8	.46	.01	.15	3	46	1600
025602 DR	35	204	51	1210	2.0	90	10	1708	3.18	165	5	ND	4	158	44.0	16	4	152	2.31	.129	24	30	.94	1290	.01	9	.83	.01	.15	1	31	2200
025603 DR	55	74	33	2822	1.5	156	12	942	5.11	295	5	ND	5	119	58.5	17	4	68	2.19	.082	19	37	.89	304	.01	8	.65	.01	.16	1	35	1800
025604 DR	34	90	38	1903	1.5	114	11	487	3.94	137	5	ND	6	78	43.9	12	3	51	1.37	.063	18	30	.54	265	.01	7	.67	.01	.20	1	26	1300
025605 DR	20	82	43	1951	2.1	108	18	503	4.75	81	5	ND	5	83	32.9	15	2	36	2.05	.061	18	20	.48	157	.01	4	.61	.01	.20	1	31	680
025607 DR	24	86	42	1293	4.1	108	8	1097	3.20	67	5	ND	2	294	24.7	13	2	173	5.38	.219	13	28	2.13	222	.01	8	.61	.01	.19	1	8	1400
025608 DR	28	114	30	1875	3.6	185	5	480	1.67	123	5	ND	2	301	41.1	11	3	395	3.34	.767	16	62	.69	218	.01	10	.67	.01	.22	1	3	1700
025609 DR	6	38	17	972	1.3	44	7	577	3.02	530	5	ND	4	327	14.7	8	3	51	2.89	.151	16	22	.96	153	.01	12	.70	.01	.21	1	132	2600
025610 DR	21	127	21	2280	1.6	176	10	622	2.55	386	5	ND	7	265	27.1	7	3	322	2.95	.781	28	62	.52	252	.01	6	.93	.01	.19	1	49	4600
025611 DR	12	69	22	1485	.9	105	11	757	3.42	653	5	ND	10	202	13.7	6	2	155	2.57	.327	38	38	.78	194	.01	5	.85	.01	.14	2	530	4800
025612 DR	5	62	18	1189	.7	77	12	563	3.55	448	5	ND	11	351	5.4	9	2	47	2.70	.152	27	21	1.13	144	.01	9	.87	.01	.22	1	126	1300
025613 DR	4	72	20	1317	.5	61	10	583	3.90	675	5	ND	10	244	11.6	8	3	46	2.47	.128	29	26	1.07	165	.02	6	1.07	.01	.24	1	360	1200
025614 DR	9	76	22	3118	1.1	177	17	841	4.15	257	5	ND	9	183	20.5	9	5	123	2.18	.286	30	32	.84	119	.02	4	1.00	.01	.24	1	154	2400
025615 DR	27	167	16	2335	3.4	233	7	355	1.77	256	5	ND	4	279	37.7	12	2	563	3.03	.925	23	110	.50	176	.01	10	.90	.01	.19	1	8	6700
025616 DR	33	137	20	2392	3.5	181	4	214	1.18	237	5	ND	2	327	29.9	15	2	995	4.15	1.744	16	101	.46	168	.01	13	.77	.01	.17	1	5	7000
025617 DR	21	150	14	1524	2.9	199	5	180	1.30	213	5	ND	1	351	14.3	14	2	480	4.11	1.798	18	150	.38	162	.01	14	.76	.01	.15	1	3	5000
025618 DR	43	145	12	3579	2.1	182	4	151	.96	106	5	ND	1	263	40.6	25	3	1498	2.83	.904	19	92	.50	192	.01	14	.68	.01	.15	1	4	6800
025619 DR	36	131	8	2786	2.0	146	4	97	1.03	60	5	ND	1	198	34.0	16	3	1198	2.73	1.009	17	104	.29	163	.01	14	.56	.01	.14	1	1	8300
025620 DR	29	147	9	2274	2.8	176	5	134	1.27	101	6	ND	1	337	24.7	15	2	946	4.71	2.246	22	139	.28	136	.01	13	.76	.01	.17	1	1	9400
025621 DR	15	110	7	1170	2.5	131	4	213	1.00	65	5	ND	1	399	8.3	11	2	407	4.98	1.820	16	153	.79	172	.01	15	.58	.01	.12	1	1	6700
STANDARD C/AU-R	19	60	44	131	7.1	72	31	1053	3.97	41	21	7	38	52	18.4	15	20	56	.51	.098	38	59	.91	182	.07	34	1.89	.06	.13	12	490	1500

BCRD 90-136

ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER

GEOCHEMICAL LYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9009-033 File # 90-4252 Page 1

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5

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	Hg ppb
025622 DR	3	18	27	537	.4	65	10	374	3.14	242	5	ND	16	53	1.2	314	2	80	.43	.122	47	38	.85	1383	.13	6	1.67	.03	.38	1	340	450
025623 DR	2	14	31	781	.1	117	13	421	4.05	109	5	ND	16	63	.2	234	2	95	.52	.121	39	46	1.27	2665	.19	2	2.52	.03	.56	1	19	160
025624 DR	3	15	39	694	.4	91	12	340	3.57	457	5	ND	16	58	.6	222	2	81	.45	.115	42	37	.92	2210	.14	2	2.04	.03	.49	1	660	410
025625 DR	5	17	45	668	.7	94	16	746	3.68	422	5	ND	14	70	.9	511	2	78	.49	.121	42	40	.98	3383	.14	2	2.17	.02	.43	1	127	270
025626 DR	3	15	29	341	.4	45	12	512	3.30	352	5	ND	16	62	.2	298	5	84	.58	.115	41	37	1.02	1506	.19	7	1.76	.04	.36	1	220	150
025627 DR	2	14	26	165	.1	21	9	474	3.23	122	5	ND	13	64	.2	64	2	79	.76	.110	33	36	1.07	1126	.18	2	1.67	.03	.22	1	105	80
025628 DR	6	17	38	456	.2	44	13	948	3.93	104	5	ND	19	131	.5	273	2	72	.45	.102	52	28	.14	997	.01	2	.75	.01	.06	1	14	1500
025629 DR	3	17	37	212	.9	22	9	841	3.36	1549	5	ND	11	92	.2	144	2	44	1.17	.031	18	18	.41	478	.01	2	.47	.01	.06	1	1640	1300
025630 DR	6	24	35	191	.4	38	9	442	2.96	681	5	ND	8	74	.3	113	6	38	.47	.031	22	13	.20	512	.01	6	.55	.01	.13	1	540	2700
025631 DR	9	52	19	162	.8	48	8	42	2.78	495	5	ND	4	57	.6	32	2	41	.07	.029	19	7	.05	53	.01	6	.46	.01	.14	1	230	3000
025632 DR	7	41	48	405	.3	89	13	224	3.31	385	5	ND	5	144	4.8	21	2	37	.60	.041	19	10	.30	48	.01	2	.52	.01	.14	1	76	2200
025633 DR	3	29	47	275	.5	32	12	842	3.80	67	5	ND	17	412	.8	20	4	18	2.84	.080	30	18	1.38	235	.01	4	.40	.01	.11	1	20	1300
025634 DR	2	26	40	165	.3	31	12	696	3.59	103	5	ND	16	585	.2	17	2	16	3.09	.088	23	19	1.40	79	.01	4	.41	.01	.13	1	12	2700
025635 DR	2	28	21	105	.2	28	11	687	3.82	84	5	ND	18	546	.2	23	3	16	3.07	.100	25	18	1.41	79	.01	3	.35	.01	.13	1	16	1000
025636 DR	2	23	37	113	.1	25	11	912	3.80	406	5	ND	12	547	.2	18	2	16	3.41	.048	23	17	1.57	129	.01	2	.47	.01	.11	1	66	2800
025637 DR	2	20	34	113	.5	25	9	960	3.99	1773	5	ND	10	372	.2	31	4	18	2.90	.033	20	18	1.38	235	.01	4	.37	.01	.09	1	780	4800
025638 DR	8	30	33	251	.3	71	11	371	2.85	202	5	ND	5	207	.8	21	2	46	1.29	.037	18	15	.63	67	.01	5	.59	.01	.17	1	57	1700
025639 DR	14	53	23	579	.9	69	6	202	2.17	153	5	ND	1	215	5.6	12	3	121	.93	.165	7	22	.31	60	.01	9	.52	.01	.13	1	30	3800
025640 DR	18	36	29	431	1.4	49	5	633	1.74	195	5	ND	1	325	4.8	19	2	183	3.24	.155	6	35	1.63	67	.01	6	.41	.01	.04	1	114	3600
025641 DR	3	18	14	97	2.1	20	6	525	2.75	6947	5	3	4	171	.3	38	2	29	1.97	.029	9	13	.80	78	.01	2	.30	.01	.06	1	9230	6600
025642 DR	7	32	15	301	2.7	39	6	557	2.54	6769	5	ND	3	165	3.3	39	2	97	2.15	.183	10	19	.73	77	.01	6	.47	.01	.08	2	8030	8500
025643 DR	4	23	20	427	1.9	127	8	532	2.63	4314	5	ND	4	131	2.2	24	2	44	2.05	.074	10	15	.79	73	.01	5	.39	.01	.08	2	4550	14000
025644 DR	15	100	17	1033	2.7	97	4	385	1.61	658	5	ND	2	332	12.1	22	2	372	3.42	.807	16	88	.74	104	.01	11	.57	.01	.11	1	290	10800
025645 DR	34	179	2	2478	3.9	150	3	150	.88	203	10	ND	2	245	31.8	23	2	1134	2.85	.974	20	156	.39	160	.01	13	.59	.01	.13	1	62	18000
025646 DR	10	15	32	877	.1	81	11	467	3.53	303	5	ND	15	121	1.6	514	2	67	.12	.068	33	24	.08	860	.01	2	.74	.01	.07	1	48	2400
025647 DR	13	16	36	1060	.2	113	9	604	4.35	556	5	ND	15	94	3.2	792	2	66	.11	.061	33	19	.02	454	.01	3	.55	.01	.06	2	101	4100
025648 DR	8	17	34	774	.1	87	12	643	3.43	235	5	ND	19	44	1.5	316	5	73	.38	.140	55	24	.06	311	.01	2	.71	.01	.07	2	22	2100
025649 DR	9	14	32	373	.1	46	10	718	3.36	143	5	ND	16	40	.8	109	2	81	.46	.126	56	30	.40	812	.08	2	1.30	.01	.32	2	10	1700
025650 DR	8	14	29	161	.1	22	9	623	3.38	64	5	ND	16	39	.5	60	2	75	.48	.112	50	31	.44	1204	.08	2	1.33	.02	.32	1	15	2200
025651 DR	2	15	38	131	.1	16	10	597	2.90	29	5	ND	18	43	.2	27	2	71	1.67	.118	49	28	.33	1029	.01	2	.95	.01	.09	1	1	3500
025652 DR	2	15	39	132	.1	18	9	609	3.16	27	5	ND	18	47	.3	27	2	71	1.59	.122	58	28	.42	1075	.01	2	.97	.01	.08	2	4	5200
025653 DR	3	14	32	146	.2	18	11	750	3.58	24	5	ND	17	46	.5	23	2	67	1.21	.115	63	31	.44	2142	.01	2	1.13	.01	.11	1	3	4100
025654 DR	4	14	25	315	.1	29	10	989	3.48	57	5	ND	17	43	.2	61	2	74	1.40	.119	56	31	.48	384	.01	2	.77	.01	.05	2	4	3100
025655 DR	5	17	31	339	.1	40	11	1063	3.71	87	5	ND	18	111	.3	102	2	74	.90	.092	51	30	.39	829	.01	2	.67	.01	.03	1	10	1800
025656 DR	6	11	35	327	.3	38	10	1267	3.46	275	5	ND	10	81	.3	114	3	45	1.30	.031	20	20	.53	520	.01	3	.46	.01	.05	1	14	3600
025657 DR	5	13	58	357	.4	34	11	924	3.28	406	5	ND	8	59	.2	77	3	43	1.01	.024	13	21	.41	358	.01	7	.47	.01	.05	2	15	7800
STANDARD C/AU-R	20	61	42	133	7.0	72	31	1055	3.97	40	16	7	37	52	18.8	15	21	56	.52	.094	38	60	.89	181	.07	37	1.89	.06	.14	11	510	1600

BCRC 90-157

BCRC 90-158

ICP - .500 GRAN 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: P1 TO P8 CUTTING P9 TO P11 ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE.
HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: SEP 7 1990 DATE REPORT MAILED: Sept 14/90 SIGNED BY ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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	Hg ppb
025658 DR	5	13	55	421	.2	43	12	1226	4.04	551	5	ND	7	49	.2	149	3	49	.76	.026	11	22	.46	426	.01	3	.49	.01	.05	1	11	6800
025659 DR	7	15	59	531	.2	47	11	1098	3.70	454	5	ND	7	47	.2	211	7	48	.63	.024	9	22	.29	479	.01	2	.47	.01	.04	1	8	5100
025660 DR	5	15	57	391	.5	47	11	924	3.77	233	5	ND	7	107	.2	141	2	40	1.26	.039	15	15	.53	169	.01	5	.53	.01	.09	1	5	4400
025661 DR	10	36	18	311	.2	99	12	256	2.80	111	10	ND	5	118	.9	38	3	40	.42	.051	21	11	.32	94	.01	9	.52	.01	.18	1	1	1100
025662 DR	10	35	26	414	.3	102	14	629	3.76	320	5	ND	5	169	1.3	119	3	44	.65	.057	18	14	.42	68	.01	6	.53	.01	.19	1	1	1400
025663 DR	5	32	27	326	.6	61	12	644	3.49	202	5	ND	7	303	1.8	48	2	29	1.62	.044	17	14	.89	71	.01	5	.45	.01	.15	1	10	2300
025664 DR	4	24	39	206	.3	34	11	1041	3.80	208	5	ND	14	468	.2	86	2	19	3.01	.069	21	19	1.35	79	.01	4	.51	.01	.12	1	10	1400
025665 DR	4	23	37	158	.5	36	10	1167	3.66	177	5	ND	17	511	.2	76	2	17	2.96	.085	21	17	1.38	72	.01	6	.40	.01	.13	1	2	1000
025666 DR	4	29	40	290	.5	45	11	1153	3.36	111	5	ND	17	444	1.5	64	2	24	2.54	.091	30	19	1.17	121	.01	8	.47	.01	.18	1	7	720
025667 DR	10	39	17	345	.3	100	12	227	2.60	82	9	ND	2	143	2.0	38	2	48	.84	.070	11	11	.38	71	.01	7	.56	.01	.19	1	2	760
025668 DR	12	43	19	361	.4	97	12	207	3.71	76	7	ND	2	135	2.6	25	2	53	.70	.082	8	10	.28	47	.01	6	.57	.01	.20	1	2	1100
025669 DR	3	23	37	159	.6	37	11	819	3.43	147	5	ND	6	351	.2	32	2	18	2.82	.077	16	14	1.15	78	.01	6	.40	.01	.14	1	8	2600
025670 DR	7	4	206	90	3.8	7	2	68	1.48	513	11	ND	9	88	.3	747	5	12	.06	.045	28	4	.02	885	.01	9	.43	.01	.13	1	480	1900
025671 DR	7	20	123	238	1.9	19	6	597	3.15	2204	7	ND	11	97	3.3	647	6	28	.09	.041	32	6	.02	696	.01	3	.47	.01	.09	1	1130	4800
025672 DR	6	44	528	543	17.3	18	8	1481	3.34	2308	5	ND	11	151	4.5	746	6	34	1.07	.046	35	10	.16	747	.01	6	.45	.01	.10	1	1300	6700
025673 DR	8	38	120	395	3.1	24	10	1437	3.13	3022	5	ND	14	101	6.0	612	5	27	.17	.050	41	10	.04	807	.01	7	.51	.01	.09	1	1130	3200
025674 DR	4	25	178	569	2.7	17	4	423	2.30	3902	10	5	4	92	6.0	7894	2	17	.26	.033	14	7	.07	494	.01	4	.31	.01	.05	1	5120	6400
025675 DR	3	16	67	193	3.0	12	4	379	2.43	5079	8	9	8	101	2.5	3206	2	26	.17	.038	22	9	.04	725	.01	5	.45	.01	.07	1	8830	12000
025676 DR	2	40	277	726	5.5	23	8	835	3.08	7240	5	8	7	117	10.2	1610	4	24	1.18	.027	16	14	.40	234	.01	7	.37	.01	.06	1	8210	18000
025677 DR	2	23	131	631	2.7	19	9	1030	3.28	4143	5	2	9	158	2.7	3975	2	27	1.27	.025	16	13	.51	170	.01	8	.42	.01	.09	2	3750	5400
025678 DR	3	29	390	846	4.8	20	8	858	3.18	1679	5	ND	7	82	5.0	4535	2	26	.60	.030	17	9	.25	85	.01	8	.39	.01	.10	1	1530	5200
025679 DR	2	16	95	288	1.8	15	8	1141	3.28	1527	5	ND	8	210	.9	2709	2	19	2.29	.032	17	12	.83	149	.01	5	.41	.01	.11	1	900	2600
025680 DR	2	14	48	216	.5	16	9	1118	3.45	691	5	ND	8	191	.3	244	2	33	2.36	.023	16	21	.95	372	.01	4	.51	.01	.08	1	250	3600
025681 DR	1	18	46	260	1.0	21	9	1074	3.88	4365	5	3	6	217	.2	1283	2	27	3.08	.030	10	18	1.20	152	.01	5	.47	.01	.09	1	4250	12000
025682 DR	2	10	49	331	.6	19	8	1024	3.77	1223	5	ND	8	109	.2	1253	4	33	2.18	.020	11	15	.90	242	.01	6	.48	.01	.07	1	640	13000
025683 DR	5	27	39	351	.4	52	10	621	3.26	391	5	ND	4	126	2.1	102	3	43	1.52	.033	12	15	.68	146	.01	7	.49	.01	.11	1	57	7600
025684 DR	6	34	18	259	.4	86	13	281	3.35	686	7	ND	4	129	.9	45	4	37	.52	.034	18	12	.54	68	.01	9	.54	.01	.20	1	136	2800
025685 DR	7	33	17	355	.7	78	11	267	2.66	502	5	ND	2	159	2.3	32	4	43	.84	.033	10	15	.36	58	.01	5	.42	.01	.14	1	190	3600
025686 DR	5	30	27	196	.3	44	11	681	3.51	179	5	ND	14	373	.9	92	2	30	2.51	.084	28	19	1.07	89	.01	5	.49	.01	.15	1	77	3300
025687 DR	2	26	61	234	.4	28	11	890	4.43	193	5	ND	15	532	.8	34	3	16	3.19	.105	21	17	1.53	41	.01	4	.42	.01	.13	1	22	1900
025688 DR	2	27	40	138	.3	32	11	889	3.53	105	5	ND	19	471	.5	39	2	15	3.29	.098	31	20	1.44	92	.01	8	.43	.01	.14	1	17	1800
025689 DR	3	30	28	173	.2	35	11	741	3.50	124	5	ND	15	463	.5	54	2	26	2.95	.082	27	18	1.30	68	.01	4	.45	.01	.14	1	54	1900
025690 DR	9	33	23	260	.3	74	11	293	3.34	70	5	ND	3	137	1.1	33	2	48	1.27	.060	14	13	.52	43	.01	8	.55	.01	.19	1	32	1100
025691 DR	6	31	23	214	.4	49	10	561	3.11	111	5	ND	4	321	1.3	34	2	49	3.28	.076	15	21	1.40	90	.01	8	.46	.01	.13	1	74	2900
025692 DR	9	38	16	262	.2	81	12	252	3.38	141	5	ND	1	142	.9	46	3	47	1.70	.041	7	14	.83	41	.01	7	.63	.01	.20	1	56	2700
025693 DR	9	34	18	229	.4	78	11	159	2.69	107	8	ND	1	76	1.2	47	2	47	1.34	.032	5	13	.67	56	.01	9	1.06	.03	.27	1	87	1300
STANDARD C/AU-R	19	60	42	131	7.1	73	31	1055	3.97	41	17	7	38	53	18.6	15	21	56	.52	.094	39	60	.89	181	.07	38	1.89	.06	.14	13	510	1300

BCRC 90-159

Noranda Exploration Co. Ltd. I ECT 9009-033 FILE # 90-4252

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	Hg ppb
025694 DR	4	18	35	295	.2	33	11	674	3.77	223	5	ND	19	103	.2	260	2	75	.54	.111	54	31	.13	970	.01	2	.84	.01	.04	1	103	1700
025695 DR	5	17	44	346	.1	39	11	882	3.67	221	5	ND	15	119	.2	159	4	56	.32	.062	27	23	.10	972	.01	2	.60	.01	.02	1	32	3900
025696 DR	12	28	288	806	3.3	75	10	1251	5.11	2168	5	ND	13	80	5.8	601	6	51	.41	.058	30	21	.16	717	.01	2	.53	.01	.05	1	740	41000
025697 DR	6	20	75	452	.4	60	11	1167	4.03	733	5	ND	12	144	.9	215	2	57	1.13	.036	22	26	.39	683	.01	3	.50	.01	.05	1	320	6500
025698 DR	3	15	47	262	.4	26	8	1005	3.66	1868	5	ND	9	200	.2	459	2	41	1.73	.025	18	22	.55	463	.01	3	.45	.01	.04	1	2010	7500
025699 DR	5	25	72	478	.8	42	9	784	3.80	3245	5	2	10	98	.5	4711	4	38	.66	.025	16	19	.26	385	.01	3	.43	.01	.05	1	3010	19000
025700 DR	3	30	80	304	1.0	24	7	446	3.02	3314	10	3	9	61	.3	6496	2	34	.13	.021	15	15	.11	339	.01	3	.43	.01	.04	1	3510	51000
025701 DR	6	26	72	492	.1	47	11	722	3.28	1050	5	ND	8	69	.2	8635	2	49	.24	.024	13	20	.17	449	.01	3	.45	.01	.03	1	880	12000
025702 DR	4	19	44	411	.1	39	12	813	3.71	759	5	ND	9	80	.2	2004	2	55	.55	.028	13	25	.33	522	.01	2	.53	.01	.04	1	640	7200
025703 DR	5	18	42	311	.8	34	13	909	3.51	1598	5	3	11	129	.2	1471	4	42	1.99	.025	12	24	.70	401	.01	11	.43	.01	.06	1	1120	12000
025704 DR	2	15	29	177	.8	19	9	1025	3.78	3174	5	ND	8	194	.2	595	2	37	3.12	.022	11	22	1.10	214	.01	3	.43	.01	.06	1	2130	11000
025705 DR	5	15	31	343	.6	39	9	816	4.11	2379	5	ND	8	104	.2	1333	2	39	1.56	.024	14	21	.60	357	.01	4	.42	.01	.05	1	2010	8800
025706 DR	5	15	35	356	.2	43	10	846	4.67	1404	5	ND	9	92	.2	1358	2	48	.74	.029	16	22	.42	463	.01	3	.47	.01	.04	1	840	7200
025707 DR	5	17	45	376	.1	34	10	750	3.58	518	5	ND	11	102	.2	797	2	56	1.44	.036	18	26	.61	647	.01	2	.45	.01	.03	1	101	5200
025708 DR	3	20	40	258	.8	27	10	835	3.71	1434	5	ND	14	281	.2	625	4	48	3.29	.045	28	25	1.17	215	.01	6	.57	.01	.07	1	560	3100
025709 DR	3	16	46	217	.3	25	9	962	3.25	448	5	ND	13	217	.2	276	2	46	2.67	.054	26	33	.96	667	.01	3	.49	.01	.05	1	151	3300
025710 DR	1	8	42	163	1.0	11	7	1565	2.74	958	5	ND	7	387	.6	2676	2	17	3.65	.052	17	11	1.17	139	.01	7	.35	.01	.09	1	710	1600
025711 DR	1	12	63	275	1.2	11	7	1094	3.00	1823	5	ND	5	285	1.0	3087	2	16	3.33	.028	16	11	1.00	69	.01	6	.34	.01	.10	1	1320	2000
025712 DR	4	19	29	140	.3	36	10	741	3.57	2198	5	ND	6	190	.2	218	3	24	2.65	.031	13	13	.89	100	.01	5	.48	.01	.13	1	780	3900
025713 DR	7	46	20	397	.5	79	13	255	3.45	689	5	ND	2	204	2.3	183	2	50	1.26	.034	10	14	.53	35	.01	7	.43	.01	.15	1	103	2900
025714 DR	3	31	27	203	.4	31	10	624	3.73	869	5	ND	11	556	.2	272	2	28	3.51	.083	25	24	1.40	68	.01	6	.42	.01	.14	1	240	2500
025715 DR	2	40	19	97	.2	23	10	659	3.73	106	5	ND	16	452	.2	138	4	17	3.45	.095	37	21	1.41	222	.01	4	.37	.01	.14	1	54	1300
025716 DR	10	42	21	265	.5	60	8	398	2.79	97	5	ND	5	319	1.8	38	2	63	2.88	.088	13	19	1.22	49	.01	6	.52	.01	.15	1	17	2100
025717 DR	12	41	15	456	.5	74	8	154	2.37	102	7	ND	2	169	3.8	39	2	61	1.12	.029	9	12	.49	41	.01	7	.36	.01	.13	1	70	3500
025718 DR	9	29	41	676	.3	81	15	1087	4.36	369	5	ND	13	95	2.7	71	2	65	.53	.111	48	29	.50	145	.01	7	1.22	.01	.20	1	137	1600
025719 DR	10	18	37	607	.1	111	12	1677	4.43	364	5	ND	16	43	.9	145	2	66	.40	.119	55	28	.15	1328	.02	2	.89	.01	.12	1	210	4100
025720 DR	10	16	36	451	.5	79	10	922	3.53	606	5	ND	17	33	.2	320	2	42	.33	.104	63	18	.06	633	.01	7	.60	.01	.13	1	380	3500
025721 DR	8	19	28	418	.1	67	14	891	3.64	672	5	ND	17	40	.6	173	2	57	.45	.118	53	24	.20	1003	.02	2	1.06	.01	.15	1	260	3600
025722 DR	14	17	65	391	.1	50	9	343	4.71	373	5	ND	16	92	.2	162	5	56	.21	.092	47	22	.05	801	.01	2	.65	.01	.07	1	26	4000
025723 DR	10	17	37	331	.1	52	7	209	3.84	285	5	ND	18	72	.2	137	2	66	.33	.111	50	29	.10	1485	.01	2	.87	.01	.07	1	13	4200
025724 DR	9	16	31	305	.1	73	13	1546	3.17	573	5	ND	17	51	.5	187	2	56	.44	.123	59	26	.14	1771	.01	2	.89	.01	.11	1	13	1100
025725 DR	8	16	29	256	.1	69	11	952	3.68	581	5	ND	17	64	.3	160	2	55	.51	.122	54	26	.25	1749	.01	3	1.15	.01	.14	1	14	1050
025726 DR	5	14	40	214	.1	48	12	668	3.65	354	5	ND	16	72	.4	101	2	64	.64	.120	43	34	.58	2107	.04	2	1.73	.01	.22	1	17	310
025727 DR	8	12	15	117	.1	30	10	642	3.44	132	5	ND	14	45	.3	55	2	47	.46	.110	49	17	.21	1292	.01	2	.93	.01	.15	1	8	610
025728 DR	12	9	23	344	.1	78	10	2649	3.81	308	5	ND	13	55	.6	48	2	48	.57	.107	60	21	.34	1951	.01	2	1.36	.01	.10	1	6	430
025729 DR	7	14	15	438	.3	50	24	953	3.56	546	5	ND	13	66	.8	41	2	56	.60	.113	47	33	.63	2648	.01	5	1.74	.01	.10	1	63	680
STANDARD C/AU-R	19	61	42	133	7.3	73	31	1058	3.98	39	18	8	38	53	18.9	16	21	56	.52	.094	38	60	.90	181	.07	39	1.89	.06	.13	11	510	1500

BCRC 90-160

BCRC 90-161

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	Hg ppb
025730 DR	4	13	31	348	.2	37	13	447	3.66	316	5	ND	14	58	.5	45	2	79	.46	.111	42	39	1.02	2141	.09	2	1.81	.03	.29	1	12	150
025731 DR	5	18	40	449	.4	39	16	461	3.95	409	5	ND	15	53	2.1	49	2	80	.50	.114	46	40	1.09	3106	.08	2	1.86	.02	.26	1	17	80
025732 DR	5	24	47	619	.8	24	8	353	4.17	624	5	ND	16	39	4.6	53	6	74	.47	.116	40	40	1.27	642	.01	2	1.89	.01	.10	1	24	70
025733 DR	4	21	42	467	.5	22	9	308	3.70	345	5	ND	15	44	2.2	29	2	71	.47	.115	47	37	1.16	1139	.02	2	1.79	.01	.13	1	11	80
025734 DR	4	21	38	419	.6	25	9	292	3.83	217	5	ND	14	51	1.6	28	3	85	.47	.119	44	40	1.22	1795	.08	2	1.92	.02	.29	1	10	60
025735 DR	12	25	61	694	1.9	57	14	436	3.85	961	5	ND	14	33	5.9	51	6	49	.46	.125	75	27	.47	508	.01	2	1.08	.01	.12	1	60	130
025736 DR	12	20	49	904	.7	100	20	926	4.13	931	5	ND	13	28	7.6	64	4	27	.41	.106	47	10	.21	470	.01	2	.86	.01	.12	1	23	160
025737 DR	18	12	39	684	.4	68	12	1233	4.01	686	5	ND	13	35	3.1	95	2	32	.36	.108	43	14	.27	917	.01	2	.80	.01	.16	1	102	750
025738 DR	15	18	34	372	.6	36	8	574	3.80	1862	5	ND	11	47	1.5	54	3	12	.20	.092	32	3	.04	381	.01	6	.42	.01	.13	1	1780	930
025739 DR	19	13	28	1007	.5	81	10	394	3.93	307	5	ND	12	44	4.5	113	6	19	.28	.113	35	4	.04	428	.01	4	.58	.01	.13	1	24	1900
025740 DR	17	10	24	978	.3	75	11	693	3.98	268	5	ND	12	90	2.6	94	4	20	.23	.106	42	5	.04	899	.01	2	.56	.01	.13	1	1	1800
025741 DR	7	35	18	587	.2	77	11	161	3.47	146	8	ND	7	65	13.5	35	2	52	.10	.038	36	9	.10	621	.01	4	.69	.01	.18	1	3	580
025742 DR	18	73	42	589	1.7	77	6	162	2.29	277	5	ND	3	521	2.1	64	2	244	1.32	.577	18	88	.05	2742	.01	12	.89	.01	.18	1	18	1300
025743 DR	13	17	41	607	.4	135	15	376	5.97	671	7	ND	13	90	4.2	93	2	31	.06	.040	37	11	.02	731	.01	3	.61	.01	.08	1	36	1900
025744 DR	22	16	37	632	.4	159	13	405	4.83	886	5	ND	13	84	1.3	154	4	29	.05	.037	39	10	.01	716	.01	2	.61	.01	.09	1	300	2600
025745 DR	46	20	56	914	2.4	227	15	664	6.50	1165	5	ND	11	74	.7	321	2	26	.05	.036	40	11	.01	675	.01	3	.55	.01	.09	1	840	2300
025746 DR	37	20	64	975	1.9	192	12	185	6.12	1502	6	2	12	71	1.5	269	2	30	.06	.036	37	11	.01	602	.01	5	.55	.01	.09	1	1730	3100
025747 DR	42	30	56	955	1.0	192	15	385	6.45	1584	6	ND	11	97	2.0	236	2	36	.10	.054	38	13	.04	791	.01	3	.73	.01	.12	1	1760	2200
025748 DR	52	15	33	718	2.6	154	9	141	5.45	2063	8	8	10	75	.5	173	4	25	.07	.054	33	7	.02	719	.01	2	.51	.01	.07	1	10250	4500
025749 DR	45	16	25	574	1.2	121	6	271	4.05	1215	5	3	10	67	.2	111	2	28	.06	.057	27	7	.01	677	.01	4	.49	.01	.08	1	3510	10000
025750 DR	48	16	28	866	.4	109	10	488	5.08	913	5	ND	13	62	.2	54	2	36	.05	.068	30	12	.01	600	.01	2	.58	.01	.08	1	1380	8300
025751 DR	58	15	45	775	.2	107	10	186	5.46	554	6	ND	14	72	.2	55	2	39	.05	.092	34	15	.01	604	.01	2	.64	.01	.08	1	670	8600
025752 DR	32	19	34	998	.2	75	10	190	4.71	536	7	ND	13	68	.2	29	2	37	.05	.060	29	14	.01	583	.01	4	.60	.01	.09	1	220	5200
025753 DR	42	15	36	1084	.3	83	9	202	4.88	1029	6	2	15	59	.5	33	2	30	.06	.061	34	11	.01	532	.01	3	.53	.01	.09	1	1450	5000
025754 DR	31	18	26	997	.2	82	10	253	4.25	663	5	ND	13	82	.2	29	2	31	.05	.070	36	11	.02	683	.01	4	.58	.01	.10	1	310	3800
025755 DR	38	16	26	1804	.1	113	11	226	6.25	537	9	ND	14	95	.2	43	2	41	.06	.110	36	12	.01	703	.01	2	.61	.01	.10	1	180	5100
025756 DR	32	15	24	1971	.1	120	12	304	6.16	347	7	ND	16	65	.2	33	2	61	.23	.155	46	22	.02	491	.01	2	.60	.01	.08	1	3	3900
025757 DR	20	14	35	1692	.1	93	12	512	5.02	192	5	ND	16	67	1.1	17	2	64	.12	.085	30	24	.04	657	.01	2	.63	.01	.05	1	5	5200
025758 DR	19	15	33	1276	.1	81	12	622	4.33	195	5	ND	14	67	.6	16	2	60	.26	.071	24	23	.10	846	.01	2	.53	.01	.06	1	4	5700
025759 DR	26	15	32	1453	.1	90	12	515	4.35	227	5	ND	15	90	.9	21	2	51	.12	.104	36	17	.02	812	.01	4	.65	.01	.09	1	12	3300
025760 DR	24	18	27	1258	.1	103	14	623	4.46	200	5	ND	17	38	.8	26	2	62	.36	.152	61	22	.04	365	.01	2	.70	.01	.09	1	1	2300
025761 DR	15	19	29	1281	.1	93	13	785	4.19	188	5	ND	15	53	1.5	18	2	66	.15	.091	32	23	.03	650	.01	3	.59	.01	.06	1	1	6300
025762 DR	20	24	29	998	.2	74	12	476	4.00	597	7	ND	12	54	5.1	30	2	71	.09	.090	26	15	.04	561	.01	3	.72	.01	.09	1	720	9000
025763 DR	17	31	31	990	.1	94	12	482	3.64	239	5	ND	9	92	2.7	25	2	86	.11	.117	22	18	.03	866	.01	4	.62	.01	.06	2	6	4800
025764 DR	18	28	28	503	.4	61	6	210	2.38	169	6	ND	4	155	1.7	25	2	91	.12	.112	18	13	.02	1225	.01	6	.49	.01	.10	1	1	2300
025765 DR	12	19	17	193	.6	32	2	60	1.05	54	8	ND	3	154	.8	14	3	83	.14	.082	17	12	.02	1397	.01	10	.43	.01	.14	1	3	1700
STANDARD C/AU-R	18	61	41	132	7.2	73	31	1058	3.98	39	16	8	37	53	18.9	15	20	55	.52	.099	39	59	.90	181	.07	38	1.89	.06	.14	11	480	1600

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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	Hg ppb
025766 DR	17	26	20	263	.8	41	3	100	1.69	80	11	ND	4	199	1.5	18	2	98	.20	.127	18	18	.03	1473	.01	13	.55	.01	.15	4	26	1700
025767 DR	11	20	28	545	.2	101	20	1157	5.08	511	5	ND	13	77	.8	39	2	60	.17	.067	32	26	.13	814	.01	3	.71	.01	.09	2	92	5800
025768 DR	18	16	28	718	.3	180	37	1249	4.66	617	5	ND	16	54	.6	36	2	69	.45	.108	40	33	.39	1487	.07	3	1.37	.01	.19	1	45	4900
025769 DR	13	16	27	774	.2	213	35	2817	4.78	516	5	ND	16	63	1.1	24	2	74	.48	.109	46	35	.62	2117	.12	2	1.70	.02	.30	1	28	3200
025770 DR	16	16	27	719	.1	199	51	2308	5.17	513	5	ND	16	49	.7	27	2	75	.45	.111	50	38	.54	1292	.11	2	1.54	.02	.32	1	18	4800
025771 DR	19	16	36	917	.3	241	24	3497	6.04	637	5	ND	15	56	.7	34	2	63	.46	.105	57	31	.51	2245	.09	3	1.62	.02	.23	1	41	1400
025772 DR	17	15	58	659	.3	152	22	1006	5.13	594	5	ND	15	69	.2	27	2	60	.26	.077	42	26	.19	1454	.03	3	1.00	.01	.11	1	9	3600
025773 DR	22	14	38	540	.6	124	13	310	5.28	895	7	ND	15	63	.8	31	2	46	.13	.059	43	19	.05	1134	.01	3	.59	.01	.07	2	310	9600
025774 DR	8	16	49	561	.4	128	18	305	4.48	387	5	ND	17	66	.2	20	2	70	.51	.117	37	33	.42	1863	.06	5	1.69	.01	.24	2	39	1700
025775 DR	7	15	45	698	.2	141	19	489	4.84	342	5	ND	16	53	.3	20	2	78	.52	.111	39	36	.71	1417	.13	2	1.85	.02	.34	1	32	1000
025776 DR	13	15	54	751	.2	130	19	1147	4.45	409	5	ND	15	63	.2	44	3	68	.26	.077	30	30	.26	1223	.04	4	1.20	.01	.13	1	16	2900
025777 DR	27	15	44	940	.2	145	18	1865	5.22	722	5	ND	12	60	.5	82	2	63	.08	.040	21	21	.04	774	.01	5	.63	.01	.05	1	49	4400
025778 DR	17	10	26	499	1.8	78	7	285	3.81	1626	9	3	8	57	.8	67	2	28	.07	.034	25	15	.03	600	.01	6	.45	.01	.06	2	4640	4900
025779 DR	30	11	34	894	1.0	127	7	128	7.05	1873	5	3	10	93	1.8	185	2	18	.07	.049	34	4	.02	672	.01	5	.47	.01	.09	1	4030	7500
025780 DR	10	15	28	783	.4	75	15	474	4.59	1622	5	ND	12	71	2.7	45	4	20	.11	.076	41	6	.03	704	.01	5	.55	.01	.11	2	290	9200
025781 DR	9	18	22	550	.6	60	14	636	4.32	2798	5	ND	12	72	3.0	47	2	17	.11	.067	40	4	.03	763	.01	4	.58	.01	.10	2	2450	6800
025782 DR	9	25	29	271	.9	39	8	232	2.85	1906	8	ND	8	127	1.3	42	2	41	.12	.056	29	13	.04	872	.01	5	.55	.01	.12	1	1050	8800
025783 DR	8	38	20	120	.4	19	4	84	1.59	651	7	ND	6	170	.9	19	2	56	.12	.051	27	13	.04	1022	.01	5	.55	.01	.12	2	250	2700
025784 DR	10	45	18	460	.3	68	9	139	2.61	638	8	ND	6	170	1.1	17	3	40	.11	.057	30	8	.04	993	.01	3	.73	.01	.14	1	35	1700
025785 DR	9	45	17	640	.1	93	14	307	2.91	650	8	ND	7	114	2.7	17	2	27	.12	.050	34	7	.05	921	.01	7	.84	.01	.17	3	30	1100
025786 DR	13	18	32	360	.2	55	12	1469	4.26	243	5	ND	19	98	.7	19	2	75	.22	.100	52	30	.07	1003	.01	2	.72	.01	.05	1	30	4000
025787 DR	10	18	34	232	.1	50	13	1199	3.05	155	5	ND	20	52	.2	25	2	71	.50	.126	45	31	.13	699	.01	2	.88	.01	.08	1	14	3500
025788 DR	12	16	37	292	.2	52	14	923	4.32	164	5	ND	18	48	.2	26	2	67	.33	.109	44	27	.04	456	.01	2	.62	.01	.06	1	8	7700
025789 DR	13	18	37	304	.1	62	12	680	3.85	316	5	ND	17	95	.2	49	2	61	.26	.092	44	23	.04	603	.01	2	.59	.01	.05	1	24	6400
025790 DR	13	16	29	343	.1	73	14	619	3.59	292	5	ND	20	58	.3	72	2	69	.48	.125	51	30	.14	554	.01	2	.98	.01	.08	1	5	3800
025791 DR	19	14	35	455	.3	81	17	1058	4.96	656	5	ND	15	120	.9	279	3	53	.13	.067	39	20	.03	1343	.01	2	.62	.01	.05	2	190	6800
025792 DR	14	15	24	437	.1	83	17	655	4.20	341	5	ND	16	78	.4	150	2	70	.34	.094	38	29	.26	878	.03	2	.96	.01	.07	1	34	2900
025793 DR	4	14	18	299	.1	63	12	440	3.74	104	5	ND	15	51	.2	37	3	86	.61	.109	40	42	1.06	929	.15	2	1.60	.03	.26	1	11	620
025794 DR	4	13	18	318	.1	66	9	298	3.60	139	6	ND	17	50	.2	50	3	89	.45	.113	45	48	1.16	827	.13	3	1.82	.04	.41	1	5	230
025795 DR	3	10	14	266	.1	52	12	329	3.45	167	5	ND	14	61	.3	53	2	93	.46	.114	46	47	1.28	2153	.14	2	2.06	.03	.46	1	11	440
025796 DR	5	21	17	266	.2	41	8	250	3.51	257	5	ND	15	67	.2	50	3	82	.47	.114	36	41	1.14	1012	.02	2	1.91	.02	.14	1	33	130
025797 DR	4	14	18	140	.1	17	3	138	2.51	266	6	ND	12	78	.4	28	3	75	.34	.082	42	33	.67	563	.01	2	1.45	.02	.21	1	27	190
025798 DR	8	12	18	386	.2	45	7	384	3.92	304	5	ND	12	63	.2	34	2	55	.36	.091	40	20	.44	897	.01	2	1.28	.01	.14	1	6	400
025799 DR	5	8	18	418	.1	59	8	461	3.91	209	5	ND	12	57	.3	24	2	55	.36	.098	39	20	.60	608	.02	2	1.42	.03	.15	1	8	310
025800 DR	3	8	12	398	.1	97	15	664	3.94	122	5	ND	12	49	.2	19	4	76	.40	.105	31	31	1.08	729	.05	2	1.74	.04	.21	1	13	150
025801 DR	3	9	10	369	.2	111	24	578	3.74	121	5	ND	13	46	.3	29	5	74	.45	.103	37	30	1.12	471	.06	4	1.64	.03	.22	1	8	140
STANDARD C/AU-R	19	61	40	132	7.1	73	31	1057	3.98	39	16	7	38	53	18.5	16	20	55	.52	.099	38	60	.89	181	.07	38	1.89	.06	.14	13	520	1600

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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	Hg ppb
025802 DR	4	10	19	727	.5	167	24	1127	4.24	259	5	ND	14	32	.9	62	2	45	.38	.102	40	22	.47	359	.01	2	1.15	.02	.15	1	12	230
025803 DR	3	11	21	599	.4	115	21	828	4.08	185	5	ND	15	30	1.1	37	2	34	.38	.104	43	13	.20	331	.01	3	.80	.01	.13	1	4	100
025804 DR	4	11	15	940	.4	158	25	1609	5.03	365	5	ND	12	33	1.5	66	2	34	.40	.104	40	12	.14	410	.01	3	.94	.01	.13	1	12	180
025805 DR	4	9	11	873	.3	78	18	1158	5.15	386	5	ND	13	32	1.8	49	2	30	.43	.104	37	11	.16	258	.01	2	.78	.01	.12	1	49	380
025806 DR	6	23	18	666	.5	67	14	519	4.86	309	5	ND	11	69	2.6	31	2	32	.61	.099	24	18	.20	95	.01	5	.65	.01	.16	1	8	860
025807 DR	9	37	20	636	.5	92	17	283	3.85	198	5	ND	7	105	3.4	19	4	50	.22	.069	28	12	.18	107	.01	6	.65	.01	.19	1	63	760
025808 DR	8	40	13	608	.6	96	17	352	3.56	128	5	ND	5	116	4.2	14	2	57	.30	.062	25	15	.42	108	.01	6	.61	.01	.18	1	5	480
025809 DR	6	38	16	662	.6	95	17	422	3.53	107	5	ND	6	139	4.2	16	4	48	.35	.058	27	13	.44	103	.01	7	.64	.01	.20	1	2	830
025810 DR	2	13	16	97	.2	16	9	545	3.24	12	5	ND	16	63	.4	3	2	82	.96	.105	48	53	.81	2643	.11	2	1.61	.03	.40	1	4	140
025811 DR	2	13	14	99	.4	17	10	555	3.21	18	5	ND	17	51	.2	10	2	70	.73	.104	66	32	.43	2698	.06	2	1.51	.02	.31	1	4	380
025812 DR	3	18	29	390	.4	46	16	1199	4.31	123	5	ND	18	109	1.4	11	2	53	.26	.085	47	24	.08	1550	.01	2	.77	.01	.11	1	3	4400
025813 DR	3	15	31	398	.2	36	15	894	4.15	130	5	ND	18	96	1.9	8	2	46	.19	.075	41	20	.05	1105	.01	2	.70	.01	.10	2	1	5400
025814 DR	3	14	28	354	.3	39	15	900	4.17	69	5	ND	19	60	1.1	6	2	45	.62	.105	50	24	.07	781	.01	4	.77	.01	.12	1	6	4600
025815 DR	3	15	29	279	.4	32	13	786	4.17	174	5	ND	17	135	1.0	7	2	51	1.16	.072	42	24	.05	1095	.01	3	.83	.01	.09	1	5	6800
025816 DR	4	17	28	411	.3	45	14	779	4.71	179	5	ND	16	96	3.8	6	2	64	.44	.043	30	27	.05	962	.01	2	.79	.01	.07	3	37	9100
025817 DR	2	15	26	357	.5	53	15	832	4.31	143	5	ND	17	106	6.4	9	4	54	.48	.065	32	28	.03	766	.01	3	.86	.01	.08	2	4	6300
025818 DR	2	15	15	235	.4	63	18	713	3.95	103	5	ND	17	29	1.3	17	2	49	.46	.116	46	29	.23	372	.01	2	1.20	.01	.12	1	1	700
025819 DR	7	27	23	250	.5	71	15	383	3.32	111	5	ND	9	115	1.8	14	2	55	.16	.063	35	16	.06	1766	.01	6	.80	.01	.17	1	4	1500
025820 DR	7	21	19	190	.4	33	6	63	2.52	31	5	ND	8	97	.6	5	3	44	.15	.041	33	10	.04	977	.01	6	.58	.01	.19	1	1	430
025821 DR	8	34	20	234	.3	50	9	84	3.67	28	6	ND	7	107	.7	4	2	51	.16	.056	32	12	.04	1136	.01	7	.65	.02	.21	1	3	150
025822 DR	8	21	19	142	.3	33	6	60	2.16	27	5	ND	7	103	.4	7	2	43	.14	.041	31	12	.04	1278	.01	9	.61	.01	.20	1	1	100
025823 DR	8	18	18	199	.4	41	7	48	2.61	30	5	ND	8	114	.2	4	2	45	.14	.051	31	14	.03	1189	.01	8	.59	.01	.18	1	2	110
025824 DR	7	24	19	222	.5	43	8	76	3.02	31	6	ND	8	136	.2	6	3	57	.14	.057	31	12	.03	976	.01	7	.62	.01	.19	1	1	120
025825 DR	6	31	20	185	.3	47	8	78	3.23	26	6	ND	9	120	.2	6	2	54	.19	.063	33	18	.14	1046	.01	9	.86	.01	.21	1	1	110
025826 DR	3	37	21	288	.2	103	16	214	3.50	34	5	ND	15	45	1.2	13	2	49	.40	.124	41	27	.29	1636	.02	2	1.60	.01	.16	1	1	120
025827 DR	3	44	22	426	.2	260	39	1581	2.97	41	5	ND	15	45	5.6	10	2	41	.48	.144	49	23	.22	1321	.01	2	1.93	.01	.14	1	1	100
025828 DR	3	29	25	531	.3	293	48	1029	4.42	49	5	ND	15	62	3.6	9	2	47	.39	.147	38	27	.39	1606	.02	3	1.73	.01	.18	1	1	200
025829 DR	4	30	19	426	.5	70	14	259	4.94	33	6	ND	10	116	1.2	7	2	56	.14	.070	36	14	.05	963	.01	10	.86	.01	.21	1	1	170
025830 DR	4	33	17	332	.4	58	13	138	3.80	21	5	ND	8	108	.2	6	2	50	.15	.045	30	11	.04	928	.01	10	.74	.01	.22	1	1	190
025831 DR	6	34	16	268	.3	44	6	80	3.30	22	6	ND	7	70	.5	5	2	51	.15	.054	32	9	.04	880	.01	6	.71	.01	.19	1	1	440
025832 DR	7	41	16	455	.3	84	16	168	4.73	69	6	ND	8	73	.8	5	4	48	.13	.078	32	14	.04	830	.01	4	.78	.01	.19	1	3	680
025833 DR	3	12	28	242	.3	77	18	1005	3.67	16	5	ND	16	57	2.6	6	3	79	.44	.102	46	42	.84	1679	.15	3	1.81	.03	.45	1	6	160
025834 DR	3	15	27	231	.3	61	14	524	3.68	21	5	ND	17	59	1.1	7	2	83	.45	.114	42	54	.84	2003	.16	2	1.89	.03	.49	1	1	260
025835 DR	4	13	22	193	.2	64	15	1197	3.64	24	5	ND	18	48	.8	8	2	74	.44	.330	60	36	.49	1005	.05	2	1.43	.01	.21	1	1	280
025836 DR	2	12	22	117	.2	67	13	317	3.36	33	5	ND	19	49	.3	14	2	78	.47	.122	49	42	.87	978	.03	2	1.97	.02	.15	1	1	130
025837 DR	3	18	24	146	.3	52	14	670	3.57	24	5	ND	18	54	.2	13	2	79	.47	.116	54	43	.82	1226	.06	4	1.90	.02	.24	1	4	120
STANDARD C/AU-R	19	59	36	131	7.1	72	31	1055	3.97	38	21	7	38	53	18.6	15	17	55	.52	.098	38	60	.89	181	.07	34	1.89	.06	.14	11	510	1400

BCRC 90-165

BCRC 90-166

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	Hg ppb
025838 DR	3	16	21	126	.1	39	12	656	3.41	9	5	ND	16	45	.2	3	2	80	.45	.107	54	50	.79	882	.05	2	1.69	.02	.21	1	1	230
025839 DR	2	14	27	108	.1	27	11	591	3.16	8	5	ND	17	50	.2	3	2	77	.46	.116	54	41	.73	1785	.05	2	1.64	.02	.21	1	1	180
025840 DR	3	15	29	109	.2	18	11	687	3.54	11	5	ND	18	64	.2	3	2	87	.65	.113	59	44	.73	1743	.08	3	1.51	.03	.30	1	1	70
025841 DR	6	15	21	126	.1	27	12	776	3.66	19	5	ND	19	51	.3	6	2	75	.48	.116	49	33	.32	1640	.04	2	1.30	.01	.19	1	1	1300
025842 DR	3	12	17	120	.1	34	11	485	3.25	12	5	ND	16	53	.2	4	2	80	.53	.108	46	48	.87	1405	.10	2	1.78	.03	.33	1	1	220
025843 DR	4	16	30	187	.1	45	13	664	3.82	49	5	ND	17	39	.7	8	2	70	.45	.113	53	36	.62	873	.02	2	1.58	.02	.16	1	1	250
025844 DR	8	14	24	469	.1	88	17	723	4.78	181	5	ND	18	59	2.9	7	2	57	.30	.120	62	20	.04	1274	.01	2	.63	.01	.06	1	9	1500
025845 DR	7	12	22	292	.1	68	11	596	3.32	115	6	ND	13	54	1.7	8	2	180	.47	.179	47	36	.04	755	.01	2	.69	.01	.08	1	8	1200
025846 DR	7	25	41	359	.1	94	18	538	3.57	59	5	ND	12	56	1.6	6	4	67	.30	.097	39	25	.18	889	.01	3	1.04	.01	.17	1	1	280
025847 DR	9	26	26	465	.1	83	16	603	4.17	91	5	ND	13	75	2.2	11	2	55	.27	.114	46	19	.05	932	.01	4	.73	.01	.12	1	6	1800
025848 DR	12	29	26	285	.3	48	8	181	2.91	108	9	ND	6	132	1.2	10	4	63	.17	.055	29	13	.05	1513	.01	8	.69	.01	.17	1	2	1300
025849 DR	13	24	23	482	.1	120	19	919	4.79	164	5	ND	13	49	1.4	11	2	46	.40	.127	39	20	.26	761	.02	3	1.31	.01	.17	1	2	2000
025850 DR	11	17	24	458	.1	119	15	430	4.56	114	5	ND	14	63	.9	8	2	44	.32	.121	44	24	.21	728	.02	2	1.12	.01	.19	1	7	1800
025851 DR	10	28	20	361	.2	81	12	322	3.13	68	7	ND	9	99	.8	8	3	43	.20	.063	37	11	.07	1139	.01	6	.75	.01	.21	1	4	800
025852 DR	21	23	16	139	1.0	36	3	65	2.91	45	6	ND	3	165	.6	11	2	131	.20	.095	11	18	.04	270	.01	12	.54	.01	.25	1	2	1300
025853 DR	27	34	14	75	1.2	84	2	41	2.17	66	5	ND	2	333	1.1	15	3	403	.34	.268	7	45	.03	857	.01	8	.54	.01	.14	1	8	1800
025854 DR	12	32	15	57	.9	31	2	30	1.55	34	5	ND	5	169	.8	7	2	107	.21	.108	22	20	.04	365	.01	13	.62	.01	.24	1	10	1500
025855 DR	10	37	17	34	.4	22	1	16	.95	24	5	ND	5	102	.4	8	2	68	.17	.045	23	12	.04	652	.01	11	.53	.01	.19	1	5	2600
025856 DR	10	48	17	29	.3	21	1	26	.61	26	5	ND	4	92	.7	7	2	72	.15	.037	19	11	.04	1092	.01	11	.49	.01	.16	1	11	4000
025857 DR	4	13	27	161	.6	32	11	1181	3.37	1749	5	ND	14	69	.8	11	3	29	.09	.033	33	14	.03	634	.01	4	.53	.01	.09	1	940	9200
025858 DR	3	14	32	237	.5	35	15	982	3.81	1757	5	ND	15	76	.2	12	2	25	.14	.034	37	15	.03	670	.01	5	.60	.01	.11	1	910	6600
025859 DR	2	16	31	485	.8	57	19	963	4.71	3172	5	4	13	61	.7	18	3	38	.12	.027	27	16	.03	551	.01	3	.50	.01	.07	2	4450	8600
025860 DR	2	14	29	261	.1	33	13	876	3.95	1161	5	ND	14	92	.2	13	2	40	1.37	.030	23	20	.16	592	.01	3	.54	.01	.08	1	600	5000
025861 DR	2	14	35	155	.1	22	10	831	3.78	358	5	ND	13	89	.3	8	3	51	1.62	.032	24	24	.12	646	.01	3	.63	.01	.06	1	99	7300
025862 DR	3	15	30	159	.3	25	11	914	3.92	858	5	ND	14	72	.2	11	4	44	.69	.029	25	22	.06	587	.01	2	.60	.01	.07	1	560	7800
025863 DR	2	14	31	162	.3	27	11	961	3.72	927	5	ND	14	72	.2	9	2	51	.44	.029	23	22	.04	604	.01	4	.56	.01	.05	1	450	12000
025864 DR	4	13	28	211	.3	40	12	968	4.14	942	5	ND	14	66	.2	13	4	51	.09	.030	25	22	.03	559	.01	6	.53	.01	.05	2	480	13000
025865 DR	4	13	30	233	.2	45	10	406	3.97	1289	11	ND	13	65	.2	13	2	44	.08	.028	19	20	.02	511	.01	2	.47	.01	.06	3	520	19000
025866 DR	5	13	30	186	.4	37	11	761	3.75	2217	5	ND	14	65	.2	22	2	33	.10	.032	25	19	.03	619	.01	5	.53	.01	.09	2	1880	13000
025867 DR	5	19	27	159	.5	32	12	1013	3.58	1974	5	ND	13	60	.4	22	2	30	.16	.031	28	14	.03	608	.01	3	.51	.01	.09	2	1280	10000
025868 DR	3	24	26	325	.3	61	19	1011	3.86	1706	5	ND	10	58	1.9	18	2	34	.10	.027	26	15	.03	830	.01	5	.49	.01	.10	1	370	9400
025869 DR	8	29	22	267	.2	53	6	33	2.68	357	5	ND	5	100	.2	11	2	57	.15	.039	29	8	.04	802	.01	6	.50	.01	.17	1	17	2300
025870 DR	6	42	20	350	.2	63	9	101	3.14	125	5	ND	7	141	.7	11	2	42	.15	.061	32	11	.04	911	.01	9	.63	.01	.20	1	16	1800
025871 DR	8	24	19	67	.3	21	2	26	1.28	112	5	ND	4	146	.6	10	2	70	.16	.056	22	11	.03	1285	.01	9	.55	.01	.18	1	56	3000
025872 DR	6	9	26	84	.2	17	4	292	1.77	292	5	ND	5	92	.7	10	2	48	.09	.044	23	13	.03	1301	.01	7	.56	.01	.16	1	59	4100
025873 DR	8	25	27	577	.1	62	16	2256	4.46	418	5	ND	11	72	3.4	15	3	44	.04	.054	31	16	.02	849	.01	7	.75	.01	.10	1	53	7500
STANDARD C/AU-R	19	59	43	132	6.8	70	31	1054	3.98	40	17	7	37	53	18.5	15	21	55	.51	.098	38	60	.92	180	.07	34	1.89	.06	.14	13	520	1200

BCRC 90-162

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	Hg ppb
025874 DR	14	23	34	761	.1	81	27	2322	4.51	224	5	ND	12	59	3.1	10	5	57	.05	.072	34	22	.02	948	.01	5	.70	.01	.09	1	8	5700
025875 DR	17	48	32	1413	.1	102	29	1640	6.60	318	5	ND	13	67	1.7	15	2	78	.05	.101	35	23	.02	708	.01	2	.72	.01	.09	1	1	7100
025876 DR	15	29	21	509	.3	46	7	185	4.85	197	5	ND	7	68	.2	13	2	51	.15	.069	28	14	.03	1001	.01	12	.56	.01	.18	1	9	2800
025877 DR	12	13	12	39	.4	22	2	67	1.03	47	5	ND	3	127	1.1	13	4	79	.19	.048	13	11	.03	1020	.01	16	.43	.01	.17	1	3	3300
025878 DR	10	18	14	36	.8	23	2	62	.84	34	5	ND	2	135	.7	10	2	90	.14	.061	9	26	.03	1304	.01	14	.47	.01	.14	2	3	5200
025879 DR	19	12	9	53	.3	17	1	55	1.28	122	5	ND	3	80	.4	21	3	95	.11	.042	15	10	.03	1063	.01	13	.44	.01	.15	1	2	4500
025880 DR	27	9	13	104	.9	25	2	30	1.45	157	5	ND	2	136	.3	23	2	138	.10	.082	8	15	.03	2079	.01	17	.58	.01	.15	1	6	5800
025881 DR	10	25	22	148	.6	25	6	282	2.15	447	5	ND	6	235	.7	31	2	103	.09	.073	18	20	.05	1484	.01	7	.61	.01	.12	1	96	2500
025882 DR	8	26	10	98	.2	18	3	58	1.56	262	7	ND	5	135	.6	13	2	55	.10	.034	22	17	.03	872	.01	8	.50	.01	.17	1	37	1500
025883 DR	9	19	16	67	.2	8	2	31	1.91	179	5	ND	5	112	.2	11	3	59	.18	.048	25	14	.04	1200	.01	6	.71	.01	.19	1	19	1100
025884 DR	10	23	18	141	.3	22	4	69	2.39	277	5	ND	6	114	.2	13	3	56	.11	.050	32	12	.03	1074	.01	6	.54	.01	.18	1	14	1200
025885 DR	13	43	17	244	.3	39	7	112	3.16	501	5	ND	6	130	.2	20	2	76	.10	.064	25	12	.04	1095	.01	6	.62	.01	.18	1	109	1800
025886 DR	6	21	36	98	.8	20	4	52	2.58	354	5	ND	12	66	.2	17	18	26	.06	.082	34	13	.02	679	.01	2	.42	.01	.24	1	52	3800
025887 DR	8	40	30	153	.5	26	4	55	2.32	150	5	ND	7	139	.3	14	4	45	.12	.058	33	7	.03	833	.01	6	.53	.01	.20	1	14	2700
025888 DR	8	29	30	106	.1	31	4	47	2.17	94	5	ND	6	104	.2	15	3	43	.10	.042	34	9	.04	753	.01	4	.56	.01	.23	1	6	2600
025889 DR	8	12	19	58	.3	15	3	27	2.53	130	5	ND	6	99	.2	11	2	48	.05	.041	18	10	.03	1097	.01	6	.62	.01	.17	2	7	3400
025890 DR	6	12	18	66	.6	22	5	106	2.06	108	5	ND	8	92	.2	19	2	30	.02	.032	22	18	.01	814	.01	9	.47	.01	.13	2	370	5600
025891 DR	3	19	26	147	.1	40	14	796	2.88	476	5	ND	13	84	.2	12	2	49	.05	.035	20	20	.02	923	.01	2	.64	.01	.06	3	122	7400
025892 DR	6	17	23	173	.3	68	12	1509	3.90	1711	5	ND	13	63	1.5	28	3	31	.10	.026	28	15	.02	535	.01	2	.54	.01	.07	3	550	12000
025893 DR	6	14	24	202	.1	58	13	776	4.20	732	5	ND	15	83	.3	15	2	30	.11	.036	29	13	.02	706	.01	2	.61	.01	.09	2	22	7800
025894 DR	3	11	19	212	.1	53	13	844	4.21	423	5	ND	14	87	.2	9	2	57	.16	.035	23	24	.03	789	.01	2	.58	.01	.06	1	2	7000
025895 DR	8	13	26	189	.1	48	11	871	3.66	539	5	ND	13	89	.6	31	4	52	1.05	.036	26	23	.20	1118	.01	3	.57	.01	.05	1	21	6800
025896 DR	5	11	24	183	.1	35	11	712	3.36	210	5	ND	16	125	.2	15	2	55	1.95	.062	29	24	.39	1048	.01	2	.60	.01	.07	1	4	7300
025897 DR	13	16	36	450	.3	96	12	573	4.52	498	5	ND	18	56	.7	13	4	63	.41	.101	45	22	.09	1138	.01	2	.63	.01	.08	1	3	4800
025898 DR	5	16	46	541	.2	152	12	321	4.22	317	5	ND	17	42	.7	11	2	62	.33	.105	32	29	.11	1597	.01	2	.73	.01	.06	1	3	3200
025899 DR	6	15	14	541	.2	163	13	334	5.23	499	5	ND	17	38	1.4	12	2	85	.41	.113	23	31	.21	800	.01	3	.99	.01	.07	1	2	1200
025900 DR	4	22	15	312	.1	97	15	293	3.78	271	5	ND	14	37	.7	7	2	79	.41	.116	25	42	.89	446	.01	2	1.59	.02	.10	1	6	560
025901 DR	5	25	22	306	.1	74	10	226	3.46	220	5	ND	11	52	.3	8	2	37	.27	.089	29	12	.22	731	.01	2	.90	.01	.14	1	2	260
025902 DR	5	27	27	264	.1	73	8	231	2.64	228	5	ND	11	36	1.2	7	2	54	.37	.095	27	18	.27	927	.01	3	1.31	.01	.11	1	5	160
025903 DR	10	37	54	504	.2	100	9	591	3.03	488	5	ND	11	34	2.7	10	2	38	.37	.105	36	7	.07	478	.01	2	.97	.01	.12	1	2	550
025904 DR	11	49	26	264	.3	65	7	200	2.34	704	5	ND	6	68	2.3	18	10	43	.22	.061	27	9	.05	670	.01	4	.69	.01	.17	1	35	1800
025905 DR	13	60	14	130	.1	68	3	49	2.08	307	5	ND	4	103	.6	13	2	58	.18	.055	20	8	.05	924	.01	3	.89	.01	.17	1	6	700
STANDARD C/AU-R	19	61	44	130	7.2	73	31	1057	3.97	43	21	7	38	53	18.6	15	20	56	.52	.094	38	60	.90	181	.07	33	1.89	.06	.14	11	450	1300

BCEC 90-168

GEOCHEMICAL A' 'SIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9009-037 File # 90-4439 Page 1

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5

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	Hg ppb
025907 DR	11	48	11	68	1.8	24	3	39	1.26	83	5	ND	3	278	.3	14	4	296	.26	.158	8	38	.03	2102	.01	10	.59	.01	.12	2	28	6600
025908 DR	10	58	13	61	2.0	26	3	34	1.83	68	5	ND	5	348	.2	20	6	267	.28	.125	14	37	.05	963	.01	8	.61	.01	.18	1	19	6800
025909 DR	7	53	56	299	2.6	55	15	195	3.98	195	5	ND	13	150	.2	43	2	47	.11	.061	32	16	.04	875	.01	4	.65	.01	.15	1	17	8800
025910 DR	4	66	135	358	2.4	47	15	340	4.15	210	5	ND	15	144	.2	60	2	30	.06	.070	43	11	.03	1132	.01	8	.88	.01	.12	1	16	9200
025911 DR	4	39	60	290	1.0	33	13	502	3.76	205	5	ND	11	113	1.3	24	6	23	.07	.043	30	8	.04	993	.01	7	.74	.01	.16	1	14	6000
025912 DR	5	62	28	268	.3	49	17	695	4.16	178	5	ND	14	97	2.0	24	2	31	.05	.050	33	13	.03	937	.01	5	.84	.01	.13	1	14	4800
025913 DR	4	35	24	289	.4	60	18	910	4.08	160	5	ND	21	63	3.5	18	2	36	.31	.099	45	16	.04	540	.01	3	.67	.01	.12	1	10	5400
025914 DR	4	29	22	272	.1	72	16	819	4.20	112	5	ND	19	46	1.7	14	2	38	.39	.120	48	20	.08	536	.01	3	.86	.01	.14	1	8	2600
025915 DR	5	26	14	360	.3	89	17	1031	4.54	151	5	ND	21	35	2.0	20	5	56	.36	.130	51	24	.06	343	.01	3	.78	.01	.11	1	6	2500
025916 DR	5	24	20	306	.4	92	16	683	4.14	180	5	ND	20	42	1.5	32	2	71	.39	.118	50	44	.44	881	.03	4	1.42	.02	.17	1	17	2300
025917 DR	5	15	14	214	.2	79	17	942	4.26	248	5	ND	20	50	.9	23	2	76	.41	.116	50	33	.53	1115	.06	4	1.50	.02	.25	1	5	1600
025918 DR	4	14	21	240	.5	77	13	356	4.22	139	5	ND	22	48	.8	17	2	65	.36	.116	48	32	.59	555	.03	4	1.32	.02	.16	1	5	930
025919 DR	3	15	34	222	.3	49	13	704	4.17	143	5	ND	20	109	.2	10	2	59	.55	.057	35	25	.08	977	.01	2	.71	.01	.06	1	6	4600
025920 DR	4	14	48	216	.3	37	14	968	4.80	676	5	ND	17	94	.6	22	9	58	.18	.040	26	24	.08	876	.01	5	.67	.01	.06	1	210	7600
025921 DR	3	19	24	229	.3	53	14	568	4.21	1191	5	ND	18	85	.6	22	2	44	.07	.035	29	20	.03	780	.01	7	.61	.01	.07	1	670	6400
025922 DR	3	18	29	213	.4	38	13	756	4.12	674	5	ND	18	105	.9	21	5	57	1.02	.044	33	24	.09	863	.01	2	.74	.01	.07	2	300	6000
025923 DR	4	18	29	248	.4	37	11	723	4.00	778	5	ND	19	98	1.3	19	5	50	.66	.042	36	21	.06	840	.01	3	.67	.01	.08	2	270	5800
025924 DR	7	20	27	384	.3	73	13	509	4.43	1082	5	ND	18	90	1.5	22	2	52	.16	.040	34	20	.04	782	.01	4	.76	.01	.08	1	290	3900
025925 DR	13	20	35	373	1.0	65	12	443	4.33	1637	5	2	16	105	3.1	34	2	36	.11	.049	37	14	.03	939	.01	6	.67	.01	.10	3	1150	3500
025926 DR	11	29	21	185	.7	39	11	252	2.34	512	5	ND	8	130	1.6	20	2	42	.17	.036	26	14	.05	1036	.01	8	.61	.01	.15	1	45	1700
025927 DR	14	25	20	264	.2	54	7	212	2.57	193	5	ND	7	117	1.1	13	2	39	.15	.042	24	11	.05	848	.01	12	.59	.01	.18	1	19	1800
025928 DR	13	39	15	206	.4	55	8	135	3.30	164	5	ND	8	146	.8	12	6	44	.16	.047	21	12	.06	945	.01	12	.82	.02	.24	1	9	1400
025929 DR	11	34	16	244	.4	64	12	182	3.54	102	5	ND	9	115	.3	12	2	35	.13	.046	29	9	.06	768	.01	7	.67	.01	.20	1	7	1200
025930 DR	13	20	20	160	.4	33	5	59	3.02	266	5	ND	7	137	.3	17	5	61	.12	.055	25	9	.04	1029	.01	11	.53	.01	.19	1	6	1800
025931 DR	12	54	26	439	.3	74	15	188	5.23	558	5	ND	12	111	1.2	28	11	85	.14	.061	37	24	.05	1144	.01	6	.66	.01	.15	1	91	1700
025932 DR	3	34	24	261	.2	32	14	767	4.18	251	5	ND	17	135	1.4	22	2	42	.23	.115	50	17	.04	913	.01	4	.62	.01	.12	1	44	5400
025933 DR	3	12	25	230	.4	40	14	787	4.00	78	5	ND	23	66	1.2	27	2	70	.35	.140	58	31	.03	571	.01	5	.60	.01	.08	1	11	3900
025934 DR	3	15	28	213	.5	36	13	682	3.69	103	5	ND	21	78	1.0	26	3	55	.29	.122	53	24	.03	635	.01	5	.62	.01	.10	1	11	4000
025935 DR	4	25	45	378	.3	54	14	567	4.09	118	5	ND	20	81	2.0	103	2	50	.28	.113	53	23	.03	1237	.01	3	.69	.01	.09	1	9	2200
025936 DR	5	33	34	455	.2	87	19	1101	4.67	215	5	ND	21	127	3.6	147	2	62	.26	.110	59	29	.03	1031	.01	3	.89	.01	.07	1	12	3200
025937 DR	6	49	28	475	.4	101	17	888	4.98	327	5	ND	20	97	3.2	197	6	58	.30	.112	54	25	.04	1490	.01	4	1.01	.01	.08	1	25	2500
025938 DR	5	29	24	439	.2	87	21	1300	4.30	123	5	ND	20	33	2.8	90	5	61	.45	.117	47	28	.09	445	.01	2	.90	.01	.10	1	9	680
025939 DR	5	34	17	378	.4	86	18	771	4.33	176	5	ND	20	32	2.2	143	2	24	.40	.123	52	12	.05	981	.01	6	.76	.01	.13	1	16	1200
025940 DR	6	27	26	414	.2	85	20	739	4.32	133	5	ND	19	32	1.5	113	3	40	.45	.127	44	18	.08	643	.01	4	.87	.01	.12	1	11	1400
025941 DR	2	10	18	160	.1	31	14	945	3.68	34	5	ND	19	50	.3	16	4	84	.75	.120	56	37	.67	646	.06	2	1.39	.02	.24	1	10	800
025942 DR	2	11	18	101	.5	18	11	602	3.35	41	5	ND	21	102	.2	17	3	74	2.42	.112	56	34	.53	798	.02	2	1.13	.02	.13	2	7	880
STANDARD C/AU-R	18	58	36	131	6.8	69	31	1050	3.95	42	17	6	38	53	18.9	15	22	55	.52	.091	37	56	.89	182	.07	36	1.91	.06	.14	13	480	1400

BCRC 90-169

BCRC 90-170

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: CUTTING AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: SEP 11 1990 **DATE REPORT MAILED:** Sept 20/90 **SIGNED BY.** D. Toye ..D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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	Hg ppb
025943 DR	2	14	17	91	.1	18	9	713	3.59	14	5	ND	17	112	.2	13	2	81	1.85	.110	52	45	1.13	466	.04	2	1.66	.03	.20	2	11	110
025944 DR	3	16	17	154	.1	47	13	656	4.24	71	5	ND	19	66	.2	39	2	84	1.11	.117	56	36	.45	615	.04	2	1.05	.02	.17	1	1	1200
025945 DR	3	12	20	105	.1	19	9	485	3.14	59	5	ND	19	152	.2	20	2	64	2.19	.113	59	34	.88	719	.01	2	.73	.01	.04	2	4	1600
025946 DR	3	14	21	110	.1	19	10	784	4.13	56	5	ND	18	203	.2	19	2	62	2.15	.106	60	30	.96	895	.01	3	.79	.01	.04	2	7	5800
025947 DR	6	16	15	228	.1	47	13	410	4.24	274	5	ND	17	75	.2	78	2	67	.92	.106	59	29	.29	1164	.01	4	.71	.01	.04	1	9	1400
025948 DR	3	17	17	254	.1	55	14	466	4.11	136	5	ND	20	53	.2	21	3	84	.61	.122	62	37	.53	612	.02	2	1.22	.02	.14	1	6	880
025949 DR	6	22	19	331	.1	69	13	533	4.22	244	5	ND	17	69	.4	84	2	76	.69	.119	49	29	.31	1361	.03	3	.94	.01	.17	1	2	1200
025950 DR	7	25	34	337	.3	66	15	739	4.36	245	5	ND	12	50	1.0	82	3	51	.51	.105	46	16	.14	481	.01	2	.80	.01	.10	1	6	750
025951 DR	12	23	65	461	.2	88	13	420	5.24	546	5	ND	11	53	1.6	190	2	38	.38	.100	42	11	.11	529	.01	3	.75	.01	.10	1	11	1100
025952 DR	9	18	87	522	.6	80	15	817	4.40	282	5	ND	11	41	1.9	72	2	35	.40	.105	40	11	.22	471	.01	5	.90	.02	.16	1	1	280
025953 DR	10	35	23	301	.7	62	14	758	4.56	116	5	ND	6	172	.8	37	2	111	1.38	.153	31	50	.77	802	.01	11	1.34	.02	.22	1	1	180
025954 DR	10	37	27	331	.3	72	11	123	3.14	54	8	ND	8	169	.2	12	2	65	.20	.078	33	15	.11	342	.01	9	.70	.02	.25	1	2	220
025955 DR	11	19	28	680	.1	147	19	202	4.61	110	5	ND	15	58	.6	24	2	78	.35	.133	36	36	.66	635	.03	6	1.64	.03	.23	1	1	160
025956 DR	18	17	34	905	.1	119	13	203	5.32	351	5	ND	15	44	1.3	72	2	47	.31	.121	41	18	.13	399	.01	3	.94	.01	.15	1	3	520
025957 DR	10	19	45	917	.2	192	32	1152	4.77	129	5	ND	14	46	2.3	68	2	59	.48	.131	35	27	.41	173	.02	4	1.26	.02	.19	1	4	210
025958 DR	9	28	32	665	.1	108	17	484	4.08	155	5	ND	11	110	2.0	12	2	52	.53	.095	39	19	.23	962	.01	5	.85	.02	.16	1	2	140
025959 DR	7	11	17	117	.1	22	4	80	1.30	48	5	ND	6	117	.5	25	2	62	.10	.035	27	10	.04	998	.01	7	.53	.01	.17	1	1	160
025960 DR	5	39	22	549	.4	43	13	374	3.90	145	5	ND	12	110	5.6	52	2	75	.25	.101	41	26	.52	999	.01	5	1.36	.02	.17	1	2	130
025961 DR	2	52	22	1572	.4	30	11	413	4.35	1108	5	ND	14	47	20.6	19	5	59	.35	.123	50	29	.84	697	.01	2	1.58	.02	.12	1	33	150
025962 DR	3	67	18	943	.1	70	22	721	5.54	688	5	ND	10	61	16.8	46	6	75	.42	.156	44	66	1.12	590	.01	2	1.89	.02	.11	1	23	210
025963 DR	3	37	16	611	.1	71	28	1023	4.28	103	5	ND	14	45	7.5	37	2	65	.46	.152	44	54	.90	561	.01	4	1.62	.02	.12	1	3	2500
025964 DR	3	25	20	432	.1	64	19	852	3.91	27	5	ND	19	34	3.7	41	3	71	.41	.124	50	43	1.04	340	.01	2	1.70	.02	.10	1	5	140
025965 DR	2	14	17	300	.1	45	13	817	3.40	19	5	ND	18	45	3.8	30	2	81	.53	.114	56	45	1.22	437	.04	2	1.75	.03	.16	1	3	130
025966 DR	3	46	40	482	.3	57	23	740	4.46	52	5	ND	18	46	4.1	123	2	81	.45	.115	46	44	1.03	844	.09	3	2.05	.03	.32	1	1	460
025967 DR	2	14	19	343	.1	33	12	574	3.45	20	5	ND	19	65	3.1	34	2	93	.49	.114	49	47	1.18	1895	.17	2	2.00	.04	.57	1	1	100
025968 DR	1	13	19	201	.1	22	11	583	3.44	14	5	ND	16	66	1.9	22	4	91	.67	.102	43	44	1.28	1242	.19	4	1.74	.05	.56	1	1	80
025969 DR	5	18	26	365	.1	43	13	638	4.04	131	5	ND	19	105	3.4	195	2	67	.55	.116	60	30	.29	853	.04	2	1.02	.02	.18	1	7	830
025970 DR	3	12	18	240	.1	33	10	590	3.50	71	5	ND	18	68	1.6	102	4	54	1.21	.111	55	18	.05	650	.01	4	.54	.01	.08	1	14	1100
025971 DR	5	15	31	329	.4	47	11	605	4.01	494	5	ND	20	82	2.3	569	3	55	.39	.124	64	19	.04	720	.01	2	.58	.01	.08	1	115	1800
025972 DR	3	15	22	212	.6	40	13	752	3.51	856	5	ND	18	36	1.3	340	2	29	.48	.118	54	10	.05	658	.01	6	.55	.01	.13	1	390	1700
025973 DR	3	8	18	222	.1	47	12	628	3.48	131	5	ND	20	39	.5	182	2	57	.47	.123	59	22	.17	680	.01	3	.95	.01	.09	2	21	930
025974 DR	3	14	20	245	.1	41	10	310	3.85	106	5	ND	21	43	.4	196	2	66	.44	.125	57	21	.09	795	.01	2	.73	.01	.09	2	2	650
025975 DR	1	12	18	158	.1	31	11	436	3.68	24	5	ND	17	74	.2	35	2	82	.85	.108	50	41	.93	1200	.09	3	1.62	.03	.33	1	3	290
025976 DR	2	14	16	216	.1	46	13	432	3.57	38	5	ND	19	45	.2	55	3	71	.61	.119	51	33	.54	392	.04	2	1.32	.02	.20	1	1	730
025977 DR	4	17	11	299	.1	61	13	394	4.18	233	5	ND	18	38	.2	192	2	53	.42	.123	46	20	.11	546	.01	2	.81	.01	.11	1	5	850
025978 DR	4	22	21	347	.1	66	13	430	4.15	972	5	ND	12	59	.8	247	3	36	.35	.105	39	11	.08	589	.01	2	.69	.01	.11	1	3	1300
STANDARD C/AU-R	18	58	45	130	7.0	71	31	1052	3.96	41	16	8	38	52	18.4	15	19	55	.51	.096	39	61	.91	182	.07	39	1.89	.06	.14	13	550	1500

BORE 90-171

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	Hg ppb
025979 DR	6	12	42	475	.3	68	16	497	4.75	997	5	ND	14	44	2.0	312	2	36	.42	.101	38	11	.07	1229	.01	3	.63	.01	.11	1	20	3400
025980 DR	8	17	85	581	.3	77	18	368	5.47	866	5	ND	13	46	1.8	369	2	28	.31	.103	36	8	.05	787	.01	6	.56	.01	.11	1	27	3300
025981 DR	18	25	18	434	.4	88	15	187	3.82	239	5	ND	12	154	.9	94	2	68	.33	.112	34	19	.08	804	.01	8	.63	.01	.15	1	4	970
025982 DR	16	13	30	476	.2	94	20	353	4.47	151	5	ND	17	36	.6	75	2	74	.43	.124	37	35	1.06	299	.02	6	1.46	.02	.17	1	1	140
025983 DR	13	16	35	605	.2	177	24	553	4.10	284	5	ND	16	37	2.5	150	2	59	.44	.124	28	26	.61	378	.01	6	1.37	.02	.13	1	14	450
025984 DR	4	14	18	566	.1	128	26	780	4.34	68	5	ND	15	74	1.7	46	2	77	.74	.123	34	38	1.16	617	.04	6	1.65	.03	.22	1	1	100
025985 DR	6	18	25	484	.3	90	18	522	3.49	39	5	ND	12	102	1.4	20	2	56	.80	.096	29	24	.58	253	.01	10	.91	.02	.19	1	1	400
025986 DR	10	27	27	240	.1	42	7	64	2.86	59	5	ND	7	96	.5	26	10	47	.16	.049	25	10	.08	342	.01	11	.59	.01	.15	1	2	650
025987 DR	3	14	23	239	.2	47	13	554	3.44	83	5	ND	12	39	1.9	26	2	38	.30	.095	31	10	.10	471	.01	5	.62	.02	.11	1	24	120
025988 DR	3	15	24	185	.2	41	11	354	3.26	55	5	ND	15	37	1.8	39	2	18	.46	.094	35	5	.06	454	.01	7	.54	.02	.16	1	19	280
025989 DR	3	25	18	223	.2	32	11	595	3.45	45	5	ND	17	56	1.4	39	5	33	1.40	.115	38	15	.22	327	.01	3	.65	.01	.13	1	5	1200
025990 DR	4	16	25	271	.1	39	12	732	3.73	123	5	ND	19	67	1.4	96	2	55	1.34	.111	50	22	.09	604	.01	3	.62	.01	.11	1	33	2600
025991 DR	3	16	29	210	.3	29	11	677	3.63	88	5	ND	20	93	.9	102	2	69	2.70	.070	40	29	.37	849	.01	6	.59	.01	.06	1	10	3300
025992 DR	4	18	34	244	.1	31	12	756	4.99	176	5	ND	17	74	1.2	224	2	64	.95	.035	28	27	.26	1055	.01	5	.56	.01	.05	1	10	3200
025993 DR	5	16	35	374	.2	49	12	576	4.91	294	5	ND	18	70	1.4	455	2	57	1.19	.030	29	25	.09	1669	.01	5	.62	.01	.07	1	24	2800
025994 DR	3	9	31	176	.2	22	10	616	3.31	522	5	ND	18	99	.6	102	2	59	3.43	.038	25	27	.48	998	.01	5	.55	.01	.05	1	75	4000
025995 DR	4	9	29	235	.1	37	12	760	3.95	1217	5	ND	16	76	.5	218	2	33	.22	.035	27	17	.04	789	.01	6	.54	.01	.08	1	430	4300
025996 DR	2	6	17	107	.4	19	10	904	3.31	1351	5	ND	14	72	.2	57	3	26	.28	.029	24	13	.04	634	.01	4	.47	.01	.07	1	530	4100
025997 DR	3	7	20	149	.3	25	11	757	3.77	515	5	ND	15	87	.5	163	3	46	1.15	.032	22	21	.05	670	.01	6	.54	.01	.06	1	117	4400
025998 DR	3	9	18	166	.6	30	11	647	4.15	1278	5	ND	16	72	.2	295	2	37	.53	.028	28	17	.04	580	.01	4	.58	.01	.08	1	600	3800
025999 DR	3	9	29	152	.3	32	14	1081	4.25	689	7	ND	16	89	.2	296	2	49	.32	.034	26	22	.05	658	.01	3	.55	.01	.06	1	260	6300
026000 DR	4	13	29	234	.6	37	10	372	4.51	1209	5	ND	21	77	.2	2047	3	53	.44	.100	45	23	.04	603	.01	7	.54	.01	.10	1	390	3700
026001 DR	4	14	24	246	1.3	38	11	384	5.39	1745	5	ND	18	48	.2	2676	2	40	.33	.099	34	19	.03	337	.01	5	.42	.01	.13	1	1320	4500
026002 DR	3	19	65	201	4.2	25	9	228	4.49	2325	5	3	18	82	.2	5536	2	32	.35	.090	31	14	.04	437	.01	7	.38	.01	.13	1	2030	6100
026003 DR	3	20	18	243	2.3	37	11	369	4.10	1752	5	3	19	54	.3	2868	5	51	.40	.108	40	21	.06	343	.01	5	.50	.01	.10	1	2590	2200
026004 DR	3	25	51	275	.8	50	13	362	4.12	1114	5	ND	18	66	.5	6309	4	62	.38	.112	40	26	.22	481	.03	5	.86	.01	.17	1	260	1300
026005 DR	4	19	22	312	.4	65	15	320	4.41	1895	5	ND	20	61	1.3	2164	7	62	.37	.116	41	29	.47	663	.06	6	1.23	.02	.25	1	270	920
026006 DR	3	13	18	287	.1	65	17	398	3.71	307	5	ND	18	51	.8	483	2	59	.53	.107	40	30	.78	324	.01	8	1.25	.02	.11	1	24	160
026007 DR	3	11	14	325	.1	63	18	655	3.41	239	5	ND	17	78	.6	300	2	45	.97	.116	45	23	.61	301	.01	5	.77	.02	.11	1	30	480
026008 DR	8	32	31	261	.2	49	10	216	3.57	1042	5	ND	11	147	2.5	827	2	31	.52	.090	33	10	.16	453	.01	8	.61	.01	.19	1	99	2000
026009 DR	8	36	42	343	.7	74	9	154	2.94	1042	5	ND	9	121	4.0	295	2	31	.18	.050	21	12	.12	447	.01	9	.75	.01	.13	1	690	1900
026010 DR	14	40	14	589	1.8	140	18	185	2.93	607	5	ND	3	133	3.4	30	3	65	.50	.019	3	12	.25	62	.01	9	.61	.01	.13	1	440	3500
026011 DR	4	8	38	80	1.6	20	3	67	1.65	1038	8	7	5	43	.5	419	4	15	.04	.017	13	9	.02	712	.01	3	.21	.01	.05	1	7430	3600
026013 DR	3	11	24	91	1.5	20	4	111	1.89	1081	5	6	5	63	1.0	458	3	22	.08	.023	16	8	.03	952	.01	5	.31	.01	.08	1	5830	3200
026014 DR	4	9	28	35	1.7	21	3	39	1.12	632	7	ND	4	114	.3	131	2	44	.14	.026	16	11	.04	1106	.01	11	.43	.01	.16	2	1670	4700
026015 DR	5	18	16	9	.6	18	1	8	.45	122	5	ND	4	90	.4	36	2	44	.11	.022	12	10	.03	1147	.01	8	.41	.01	.12	1	340	3300
STANDARD C/AU-R	18	57	38	131	6.6	67	31	1047	3.95	40	17	7	37	53	18.3	15	19	53	.50	.094	37	56	.88	180	.07	33	1.90	.06	.14	13	520	1400

BCRC 90-172

BCRC 90-173

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	Hg ppb
026016 DR	9	54	33	38	.6	13	2	160	1.43	458	5	ND	5	85	.5	27	3	60	.10	.027	13	11	.04	1201	.01	11	.54	.02	.14	3	65	3100
026017 DR	7	59	15	80	.2	12	3	109	2.42	313	5	ND	5	57	.2	16	2	56	.04	.021	19	11	.03	1128	.01	8	.60	.02	.14	2	11	2400
026018 DR	8	62	15	53	.6	11	2	150	1.97	179	5	ND	5	67	.2	11	2	58	.04	.029	16	14	.03	1363	.01	9	.61	.01	.14	3	12	3200
026019 DR	10	63	23	108	.7	20	4	165	2.79	374	5	ND	5	76	.2	13	4	71	.04	.034	11	14	.03	1626	.01	9	.62	.01	.13	2	22	3600
026020 DR	12	24	19	22	.4	11	2	28	1.75	433	5	ND	4	69	.2	15	2	80	.05	.027	7	12	.03	1181	.01	11	.57	.01	.16	2	24	3800
026021 DR	11	23	19	33	1.2	15	2	22	1.58	246	6	ND	4	131	.4	15	2	86	.07	.058	6	16	.04	1613	.01	10	.63	.01	.16	3	111	4800
026022 DR	10	37	14	201	.6	24	6	33	3.39	68	5	ND	4	113	.5	11	7	80	.12	.055	5	13	.05	2221	.01	11	.70	.01	.15	1	11	2000
026023 DR	3	61	11	1022	.1	105	26	326	6.69	32	5	ND	5	72	2.5	6	5	48	.12	.034	5	12	.06	1231	.01	7	.88	.02	.18	1	7	780
026024 DR	6	41	25	592	.3	71	18	339	4.80	41	5	ND	5	85	4.1	10	3	48	.18	.036	6	15	.16	1342	.01	12	.82	.02	.17	2	7	730
026025 DR	13	47	14	460	.2	57	11	64	3.23	92	5	ND	3	65	4.0	11	4	50	.11	.037	4	9	.06	106	.01	10	.69	.01	.16	1	13	630
026026 DR	18	53	21	547	.4	72	11	71	3.24	111	5	ND	5	78	3.2	17	2	61	.12	.059	7	20	.05	39	.01	15	.73	.01	.16	1	5	420
026027 DR	11	48	18	368	.5	71	17	69	2.44	53	5	ND	2	78	2.8	10	2	68	.10	.044	3	9	.05	38	.01	11	.68	.01	.18	1	8	270
026028 DR	12	41	12	325	.4	90	18	41	2.18	41	5	ND	2	101	8.1	7	5	70	.09	.049	2	10	.05	31	.01	8	.70	.01	.17	1	6	330
026029 DR	15	40	13	402	.5	135	14	69	2.55	64	5	ND	2	110	4.8	8	2	87	.38	.080	2	11	.15	26	.01	11	.90	.02	.17	1	4	380
026030 DR	2	97	59	166	.1	51	14	337	4.40	264	5	ND	23	131	1.6	31	2	109	.44	.132	51	94	1.35	1322	.13	4	3.03	.02	.47	1	7	110
026031 DR	3	117	25	209	.1	61	18	344	5.47	168	5	ND	24	47	2.2	30	5	94	.41	.148	52	82	1.18	1035	.11	2	2.65	.02	.36	1	7	100
026032 DR	5	91	28	240	.1	77	23	941	5.13	264	5	ND	25	63	2.4	47	2	116	.45	.154	70	95	1.49	1318	.20	3	3.03	.03	.62	1	3	220
026033 DR	4	59	20	307	.1	73	32	1241	5.40	364	5	ND	24	54	2.5	42	3	115	.52	.148	74	98	1.52	1473	.24	3	2.51	.03	.76	1	4	150
026034 DR	5	63	112	468	.4	68	25	1295	6.55	701	5	ND	22	66	2.4	63	2	111	.51	.152	67	99	1.34	933	.18	4	2.41	.02	.58	1	2	120
026035 DR	6	41	30	581	.1	82	27	1351	6.74	1388	5	ND	23	45	2.8	60	2	93	.54	.148	64	86	1.19	671	.11	5	2.20	.02	.38	1	6	140
026036 DR	4	26	20	584	.1	103	29	1355	5.79	1373	5	ND	27	41	3.1	73	7	50	.48	.137	70	48	.62	400	.02	9	1.47	.02	.24	1	4	170
026037 DR	5	33	23	717	.1	90	27	1052	6.46	1534	5	ND	25	45	4.4	97	7	73	.46	.137	66	68	.90	660	.10	3	1.88	.02	.40	1	1	120
026038 DR	9	95	56	500	3.1	73	15	464	3.96	1118	13	ND	11	253	13.4	2524	3	82	.25	.091	30	32	.22	732	.01	11	1.22	.02	.32	1	190	380
026039 DR	4	89	18	1027	3.3	236	45	908	9.00	2631	7	ND	7	150	4.7	657	7	108	.50	.156	31	116	1.94	716	.02	4	3.16	.02	.20	1	38	230
026040 DR	2	73	12	628	.1	221	47	907	8.40	1031	5	ND	9	112	3.8	195	3	97	1.12	.123	42	108	2.20	563	.02	9	3.72	.08	.19	1	2	90
026041 DR	3	55	18	218	.1	122	31	1016	5.64	161	12	ND	12	174	.9	95	5	54	1.89	.075	41	63	2.15	726	.01	7	2.71	.04	.24	1	1	80
026042 DR	2	35	23	249	.1	42	14	550	3.99	237	5	ND	12	58	.5	99	2	24	.21	.050	40	23	.64	864	.01	9	1.58	.01	.21	1	1	90
026043 DR	2	38	19	211	.2	40	11	185	3.27	133	5	ND	11	50	.3	69	4	26	.18	.050	35	20	.57	491	.01	9	1.54	.02	.24	1	1	70
026044 DR	1	41	18	227	.1	45	16	280	3.75	35	5	ND	13	46	.5	78	2	25	.17	.050	40	21	.57	694	.01	8	1.59	.01	.23	2	1	80
026045 DR	2	40	21	212	.1	34	13	188	3.64	72	5	ND	13	45	.6	59	2	23	.16	.054	43	18	.41	566	.01	10	1.43	.02	.32	1	3	90
026046 DR	3	44	24	379	1.1	37	12	185	3.13	463	5	ND	10	110	2.4	608	2	33	.11	.046	31	18	.20	489	.01	7	.99	.01	.25	1	230	210
026047 DR	4	59	23	156	1.5	10	3	49	1.17	299	5	ND	6	108	1.5	447	3	43	.10	.029	22	11	.09	517	.01	10	.54	.01	.24	1	94	340
026048 DR	3	23	34	69	2.4	9	2	44	.84	326	5	ND	10	133	.2	320	2	16	.09	.028	26	11	.07	449	.01	7	.48	.01	.23	1	133	220
026049 DR	4	33	46	87	3.9	9	2	44	.90	684	5	ND	11	85	2.9	861	2	15	.10	.024	23	12	.06	554	.01	7	.40	.01	.23	1	420	370
026050 DR	5	26	30	115	2.2	9	2	36	.75	448	5	ND	11	95	.7	510	7	18	.10	.021	26	23	.06	464	.01	9	.41	.01	.22	2	161	320
026051 DR	4	42	68	120	1.9	13	2	60	.79	629	5	ND	8	134	1.9	845	2	24	.12	.033	19	12	.05	336	.01	8	.40	.01	.18	1	91	230
STANDARD C/AU-R	18	59	37	131	6.5	70	32	1052	3.96	41	21	7	38	53	19.6	15	23	56	.52	.099	37	56	.89	181	.07	36	1.89	.06	.14	11	520	1600

BOR 90-174

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	Hg ppb
026052 DR	5	229	380	772	66.7	36	5	134	1.77	2148	5	ND	6	72	46.7	12599	2	16	.21	.039	22	20	.11	208	.01	6	.60	.01	.25	1	690	1800
026053 DR	7	62	44	1524	3.6	106	20	473	4.73	3343	5	ND	9	157	5.4	926	2	30	.26	.073	26	34	.31	427	.01	7	1.15	.01	.28	1	119	250
026054 DR	5	72	30	875	.9	99	34	1413	7.10	734	5	ND	8	44	2.5	496	8	39	.17	.078	29	53	.42	626	.01	5	1.26	.01	.21	1	87	220
026055 DR	2	356	2018	204	114.2	14	3	133	1.28	1966	6	2	2	97	49.6	16578	2	33	.32	.030	20	16	.07	1176	.01	6	.52	.01	.18	1	1990	1700
026056 DR	1	207	423	168	19.1	9	2	73	.79	633	5	2	5	82	20.7	12634	2	20	.32	.025	27	13	.08	610	.01	7	.59	.01	.25	1	1320	760
026057 DR	2	518	685	841	128.4	15	1	54	1.21	2619	5	2	1	80	84.3	22675	2	25	.52	.017	11	11	.06	319	.01	6	.47	.02	.18	1	2790	4200
026058 DR	7	63	58	236	4.1	21	4	63	1.59	832	5	ND	5	100	2.2	1793	2	45	.13	.026	24	14	.06	487	.01	6	.52	.01	.23	1	147	430
026059 DR	4	76	51	146	2.9	16	4	52	2.17	1086	5	ND	5	87	2.9	2752	2	15	.12	.033	23	7	.05	391	.01	5	.44	.01	.32	1	760	550
026060 DR	7	77	41	91	2.2	15	4	58	1.79	762	8	ND	7	63	.9	2293	2	13	.11	.024	27	8	.05	513	.01	5	.49	.01	.29	1	510	540
026061 DR	4	128	75	59	5.8	12	1	23	1.02	733	5	ND	6	104	12.1	3237	2	48	.15	.027	17	12	.05	506	.01	5	.43	.01	.23	1	990	1200
026062 DR	5	40	22	51	2.0	6	2	17	1.07	1422	5	ND	5	33	.8	932	2	68	.03	.020	19	13	.05	453	.01	6	.47	.01	.27	1	310	540
026063 DR	1	517	32	318	25.2	7	1	23	.68	160	5	ND	1	37	89.2	38962	2	25	.07	.005	2	9	.02	8	.01	4	.24	.01	.11	3	1560	3200
026064 DR	3	106	51	974	2.5	131	24	236	6.15	3372	5	ND	7	86	11.4	5566	2	34	.09	.103	27	35	.36	213	.01	4	1.08	.01	.23	1	730	250
026065 DR	3	48	12	361	1.5	30	8	115	3.10	2020	5	ND	10	83	1.5	706	2	14	.10	.046	33	9	.07	327	.01	4	.49	.01	.33	1	1090	110
026066 DR	3	67	13	340	.7	50	11	192	3.04	1431	5	ND	10	32	1.5	353	2	15	.09	.036	37	18	.07	339	.01	4	.54	.01	.30	1	420	100
026067 DR	2	76	20	327	.5	46	11	197	3.38	1663	5	ND	11	21	.8	821	2	21	.14	.056	38	11	.28	252	.01	5	1.04	.01	.26	1	65	80
026068 DR	3	56	19	249	.7	38	12	148	3.03	905	5	ND	12	16	3.2	237	2	21	.13	.053	43	12	.26	313	.01	6	1.10	.01	.32	1	3	50
026069 DR	2	60	18	207	.6	32	11	160	3.26	1182	5	ND	11	29	5.0	155	5	19	.13	.051	39	12	.24	338	.01	5	.93	.01	.27	1	270	70
026070 DR	3	59	38	269	1.4	52	14	276	3.29	1280	5	ND	13	119	2.5	174	3	20	.11	.053	41	20	.10	628	.01	5	.78	.01	.26	1	81	100
026071 DR	2	50	20	405	.6	59	19	693	4.48	424	5	ND	11	118	1.3	283	2	23	.25	.042	38	17	.14	636	.01	3	.63	.01	.18	1	31	120
026072 DR	2	58	11	300	.4	151	35	974	6.02	200	5	ND	7	203	.4	202	2	57	2.87	.078	31	70	2.16	615	.01	2	1.96	.01	.19	1	5	80
026073 DR	4	41	23	405	.8	45	10	297	2.63	420	5	ND	7	118	3.4	119	2	23	1.01	.042	23	19	.34	176	.01	7	.72	.01	.21	1	23	160
026074 DR	6	37	24	143	1.0	28	7	123	2.47	691	5	ND	6	152	1.2	132	2	30	1.43	.063	12	30	.13	109	.01	5	.50	.01	.20	1	10	150
026075 DR	4	51	23	561	4.8	114	28	1422	5.45	774	5	ND	4	213	3.3	185	2	37	4.85	.146	11	31	1.29	40	.01	2	.85	.01	.19	1	310	180
026076 DR	5	41	9	305	1.7	54	7	331	1.53	146	5	ND	4	386	5.2	131	2	64	16.11	.218	8	11	.83	125	.01	6	.43	.01	.16	1	4	170
026077 DR	6	55	13	993	3.0	121	23	797	3.20	228	5	ND	5	252	10.8	194	2	95	9.79	.237	6	14	.37	65	.01	6	.51	.01	.20	1	2	160
026078 DR	6	201	260	349	13.4	13	2	118	2.58	6533	7	2	2	89	24.8	19204	2	22	.37	.034	13	21	.06	161	.01	7	.49	.01	.32	2	1190	760
026079 DR	5	84	285	114	14.5	10	2	57	1.76	1954	5	ND	6	215	6.0	5498	2	19	.26	.047	20	15	.06	303	.01	4	.51	.01	.34	1	750	830
026080 DR	8	76	91	53	5.2	7	1	26	1.27	2087	5	ND	5	241	6.0	2920	3	38	.22	.052	14	14	.05	520	.01	4	.46	.01	.25	1	860	940
026081 DR	7	33	25	83	1.6	12	2	19	1.51	908	5	ND	3	142	.8	1105	2	43	.18	.026	12	10	.04	375	.01	4	.34	.01	.22	2	310	460
026082 DR	9	84	115	90	7.4	13	1	21	.58	564	5	ND	5	111	5.6	3809	2	55	.19	.037	11	26	.04	719	.01	2	.40	.01	.17	1	1250	1900
026083 DR	4	96	302	117	83.0	17	4	56	1.08	850	5	ND	6	51	9.6	3426	3	16	.13	.026	24	10	.04	432	.01	3	.38	.01	.19	1	690	1200
026084 DR	5	70	64	128	2.1	21	5	40	2.09	1321	5	ND	9	114	1.7	481	2	14	.09	.048	27	9	.04	415	.01	4	.44	.01	.23	1	370	170
026085 DR	4	111	15	692	.8	172	31	202	6.42	2214	5	ND	7	22	6.2	531	2	69	.40	.130	32	76	1.41	443	.01	2	2.47	.01	.17	1	6	200
026086 DR	4	83	10	428	.6	61	12	130	3.33	1318	5	ND	10	37	2.5	435	2	19	.13	.055	37	21	.25	452	.01	2	.83	.01	.24	1	1	130
026087 DR	4	84	15	295	1.6	38	10	99	2.63	946	5	ND	10	37	3.5	336	2	16	.09	.045	37	8	.06	481	.01	6	.55	.01	.26	1	3	140
STANDARD C/AU-R	19	61	38	132	7.0	70	31	1053	3.97	42	19	7	38	53	19.4	14	23	55	.52	.093	38	56	.90	183	.07	37	1.89	.06	.14	11	490	1300

BORE 90-125

BORE 90-126

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	ng ppb
026088 DR	4	70	20	286	.3	60	10	103	2.21	1008	5	ND	10	17	3.4	204	2	21	.12	.066	38	10	.11	328	.01	7	.93	.01	.23	1	20	90
026089 DR	3	141	18	835	.4	190	32	227	6.54	1255	5	ND	5	49	16.3	215	2	73	.33	.162	35	105	1.76	818	.02	4	2.75	.02	.19	1	50	80
026090 DR	4	39	25	103	1.5	17	3	33	1.50	288	5	ND	7	70	2.6	120	2	13	.07	.030	24	24	.08	311	.01	6	.43	.01	.25	1	220	120
026091 DR	3	42	25	78	.9	11	2	33	.93	204	5	ND	8	64	1.0	122	2	12	.08	.020	27	9	.06	317	.01	6	.38	.01	.22	1	41	130
026092 DR	4	54	22	124	.8	22	3	70	1.38	285	5	ND	5	79	1.6	133	2	17	.07	.028	16	13	.04	209	.01	5	.35	.01	.19	1	28	80
026093 DR	3	47	14	74	.6	17	2	34	.99	302	5	ND	5	98	1.6	88	2	18	.09	.042	14	12	.06	317	.01	5	.58	.01	.21	1	33	100
026094 DR	6	47	35	83	2.1	17	2	49	1.11	286	5	ND	8	78	1.1	279	2	18	.10	.033	24	30	.06	372	.01	7	.45	.01	.23	1	275	130
026095 DR	8	34	16	41	1.6	17	2	50	.90	218	5	ND	7	76	1.1	334	2	26	.11	.055	24	14	.05	509	.01	7	.45	.01	.20	1	250	120
026096 DR	8	46	14	48	2.7	23	2	56	.68	331	5	ND	7	80	2.1	394	2	58	.13	.049	24	15	.05	414	.01	5	.41	.01	.19	1	340	130
026097 DR	16	53	18	40	1.1	18	2	30	.80	151	5	ND	4	104	1.7	157	4	92	.11	.044	19	13	.04	620	.01	7	.41	.01	.20	2	25	140
026098 DR	8	38	18	31	1.3	14	2	23	1.55	335	5	ND	8	73	.6	89	4	37	.72	.044	20	30	.04	209	.01	10	.46	.02	.30	1	65	170
026099 DR	4	30	29	114	2.8	35	6	237	1.83	331	5	ND	6	71	1.1	182	3	20	.89	.033	11	9	.06	64	.01	7	.43	.01	.23	2	40	150
026100 DR	2	94	104	273	11.0	66	16	772	4.30	1850	5	ND	5	101	4.1	876	2	18	1.40	.056	13	19	.88	30	.01	7	.58	.01	.20	1	320	210
026101 DR	2	48	19	119	.7	41	13	336	3.20	265	5	ND	9	87	.6	239	2	18	.77	.056	22	13	.77	106	.01	8	.67	.01	.25	1	51	130
STANDARD C/AU-R	18	59	44	131	6.9	72	31	1054	3.97	41	20	7	38	53	18.4	15	21	55	.51	.097	38	59	.92	181	.07	36	1.89	.06	.14	11	510	1600

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9009-036 File # 90-4474 Page 1

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5

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	Hg ppb
026102 DR	4	42	46	62	2.2	7	1	56	1.31	2631	8	ND	7	102	2.5	3157	2	20	.14	.024	26	11	.07	563	.01	3	.53	.01	.23	1	2060	360
026103 DR	10	44	23	38	2.3	5	1	28	1.72	2836	5	ND	3	116	.7	1111	3	37	.11	.021	15	7	.04	438	.01	2	.39	.01	.22	1	430	380
026104 DR	6	51	20	22	2.7	7	1	11	1.17	1493	5	ND	4	141	.5	443	4	28	.11	.027	13	11	.03	343	.01	6	.32	.01	.17	1	390	320
026105 DR	4	36	29	16	2.0	7	1	22	.89	430	5	ND	5	164	.2	294	2	26	.15	.023	16	8	.04	459	.01	4	.37	.01	.21	1	330	500
026106 DR	4	50	10	239	.2	26	5	41	2.67	1403	5	ND	10	219	1.1	729	2	39	.14	.102	34	15	.06	236	.01	2	.57	.01	.27	1	34	170
026107 DR	3	37	13	79	.3	11	2	34	1.73	587	5	ND	7	179	.6	441	2	19	.13	.048	27	7	.04	311	.01	4	.46	.01	.28	1	18	180
026108 DR	2	38	25	39	1.2	8	1	17	.98	653	5	ND	7	74	.4	196	2	11	.11	.025	26	7	.04	402	.01	3	.45	.01	.25	1	81	170
026109 DR	6	87	22	184	1.6	19	2	38	1.83	1980	5	ND	5	102	.7	319	2	44	.12	.044	15	9	.03	504	.01	2	.35	.01	.19	1	102	210
026110 DR	5	47	12	50	.5	10	1	18	1.29	580	5	ND	4	93	.5	187	2	22	.11	.042	13	11	.02	376	.01	3	.30	.02	.17	1	30	150
026111 DR	2	32	14	24	.4	8	1	35	1.16	347	5	ND	3	69	.6	192	2	12	.06	.022	9	7	.02	277	.01	2	.20	.01	.13	1	23	80
026112 DR	5	46	31	126	.9	13	2	24	1.62	478	5	ND	4	138	1.3	145	4	18	.09	.053	9	9	.02	457	.01	2	.30	.01	.13	1	64	90
026113 DR	5	54	17	129	.9	12	2	35	2.09	435	5	ND	5	62	1.5	118	2	22	.11	.044	17	9	.04	302	.01	5	.37	.01	.19	1	67	100
026114 DR	6	49	265	82	8.2	18	3	41	1.18	335	5	ND	5	63	1.5	214	2	15	.06	.028	19	11	.03	261	.01	3	.29	.01	.14	1	630	230
026115 DR	8	52	22	271	.7	42	10	156	2.80	700	6	ND	9	53	2.1	152	3	24	.07	.048	32	7	.05	328	.01	3	.49	.01	.24	1	134	80
026116 DR	11	32	20	407	.5	49	8	85	2.63	505	7	ND	7	110	.8	106	2	25	.05	.046	21	11	.04	367	.01	4	.36	.01	.18	1	29	70
026117 DR	4	24	10	55	.7	12	2	48	1.21	187	6	ND	3	222	.6	42	3	16	.07	.049	9	8	.02	459	.01	4	.30	.01	.13	1	67	50
026118 DR	4	20	13	33	1.0	14	1	24	.76	109	5	ND	3	116	.2	34	2	8	.03	.021	7	10	.02	283	.01	3	.18	.01	.09	1	32	60
026119 DR	3	23	50	47	1.6	10	2	54	1.08	137	9	ND	3	119	.4	83	2	10	.04	.027	7	8	.03	266	.01	3	.23	.01	.11	1	87	110
026120 DR	6	17	17	27	.7	13	1	26	.87	138	5	ND	2	82	.4	105	2	10	.04	.034	6	11	.01	262	.01	2	.16	.01	.08	2	71	70
026121 DR	7	66	21	137	.7	28	4	58	1.31	273	6	ND	4	110	.9	148	2	45	.08	.052	12	10	.03	312	.01	3	.52	.01	.14	1	66	100
026122 DR	11	50	15	279	.5	40	5	53	3.09	199	7	ND	3	145	2.4	93	2	36	.46	.106	8	11	.03	183	.01	3	.56	.01	.15	1	38	120
026123 DR	3	38	18	386	.3	47	14	346	2.88	134	5	ND	5	79	.8	70	2	13	.49	.046	11	9	.17	39	.01	5	.38	.01	.16	1	15	60
026124 DR	4	30	12	203	.4	39	8	168	2.33	130	5	ND	3	94	2.8	119	2	11	.52	.068	6	11	.12	38	.01	4	.37	.01	.12	1	12	70
026125 DR	3	36	13	239	.6	42	12	398	4.04	95	7	ND	3	99	.7	51	2	13	1.22	.055	6	11	.51	20	.01	10	.38	.01	.16	1	9	60
026126 DR	6	36	29	145	2.0	35	16	1521	1.42	404	5	ND	3	33	.8	201	2	18	.06	.019	10	14	.02	520	.01	4	.36	.01	.09	1	280	2600
026127 DR	4	29	22	118	.7	26	4	205	1.79	597	5	ND	3	32	.3	148	3	19	.06	.021	12	11	.02	351	.01	5	.40	.01	.10	1	480	1400
026128 DR	5	36	23	161	.8	37	5	248	2.34	962	6	ND	6	39	.7	275	2	33	.08	.026	21	12	.03	358	.01	2	.43	.01	.13	1	760	1800
026129 DR	5	37	21	189	1.0	39	5	235	2.62	876	5	ND	7	35	.8	200	3	24	.08	.025	25	11	.04	382	.01	4	.50	.01	.15	1	550	2000
026130 DR	8	39	33	396	.6	83	10	245	4.28	1178	7	ND	13	44	.8	215	2	34	.10	.044	40	19	.05	663	.01	5	.61	.01	.14	1	540	1600
026131 DR	9	38	29	412	.2	80	8	170	3.77	758	13	ND	6	28	.7	236	2	19	.11	.036	15	12	.05	338	.01	8	.53	.01	.18	1	470	700
026132 DR	11	34	21	490	.4	94	7	191	3.77	657	7	ND	3	32	.8	261	2	15	.10	.045	7	9	.03	315	.01	2	.38	.01	.13	1	1930	410
026133 DR	5	23	19	238	.2	41	5	108	2.36	481	5	ND	6	28	.4	139	2	15	.07	.027	17	8	.03	491	.01	5	.39	.01	.13	1	570	380
026134 DR	7	20	18	283	.1	34	4	77	2.34	449	8	ND	6	42	.5	102	2	16	.08	.024	13	9	.03	605	.01	6	.37	.01	.15	1	400	580
026135 DR	12	18	27	349	.1	18	4	88	3.55	675	5	ND	6	85	1.9	53	2	31	.15	.031	10	10	.06	351	.01	19	.49	.01	.28	1	97	1300
026136 DR	11	23	20	207	.1	17	4	80	2.82	345	5	ND	4	61	2.0	32	2	20	.14	.024	6	8	.04	377	.01	11	.47	.01	.23	1	37	1500
026137 DR	8	19	17	180	.1	13	3	68	2.27	286	10	ND	3	72	2.0	23	2	24	.13	.020	6	9	.05	461	.01	15	.63	.01	.31	1	28	1200
STANDARD C/AU-R	19	58	39	131	7.0	72	31	1053	3.97	42	16	7	39	52	19.0	16	21	56	.52	.096	39	59	.89	183	.08	34	1.89	.06	.14	13	540	1600

BCRC 90-177

BCRC 90-178

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: P1 TO P5 CUTTING P6 ROCK AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: SEP 13 1990 **DATE REPORT MAILED:** Sept 21/90 **SIGNED BY.** D. Toye

D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

Noranda Exploration Co. Ltd. PROJECT 9009-036 FILE # 90-4474

BCRC 90-128

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	Hg ppb
026138 DR	14	55	25	453	.8	100	21	387	4.58	216	8	ND	14	98	1.9	35	3	75	.66	.106	35	78	.62	759	.05	14	1.10	.01	.41	1	14	2000
026139 DR	13	70	14	365	.4	113	21	667	4.64	471	5	ND	6	377	2.5	54	2	70	3.20	.062	21	121	1.78	115	.01	6	.85	.01	.19	1	94	2900
026140 DR	15	66	13	439	1.4	118	18	379	3.08	199	5	ND	5	117	3.2	80	2	49	.73	.073	21	128	.40	728	.01	9	.63	.01	.15	1	17	2500
026141 DR	9	99	32	408	.4	132	32	1382	6.45	226	5	ND	11	690	.8	54	2	128	5.30	.111	38	283	3.00	101	.01	3	.73	.01	.06	1	20	4800
026142 DR	6	54	17	250	.2	90	19	464	4.04	388	5	ND	3	86	.7	20	2	23	.78	.035	13	40	.32	315	.01	8	.52	.01	.17	1	9	1500
026143 DR	7	46	16	255	.2	81	16	485	3.53	150	5	ND	2	174	2.1	27	2	37	1.17	.042	10	71	.61	91	.01	9	.60	.01	.18	1	10	1400
026144 DR	10	27	10	123	.5	30	4	120	1.25	61	5	ND	1	120	2.9	17	2	35	.58	.029	4	22	.17	177	.01	11	.29	.01	.11	1	9	1900
026145 DR	8	45	14	210	.9	30	5	149	1.79	67	8	ND	1	139	4.3	15	2	45	.56	.051	5	17	.19	93	.01	14	.50	.01	.16	1	5	2300
026146 DR	10	49	16	185	.7	43	9	279	3.04	167	7	ND	3	124	1.8	15	2	28	.53	.046	8	17	.46	53	.01	13	.52	.01	.19	1	16	3200
026147 DR	9	41	21	219	1.3	38	8	506	2.64	1147	5	ND	3	326	5.4	25	2	35	2.53	.024	12	21	.90	37	.01	7	.46	.01	.11	1	920	3800
026148 DR	6	30	20	204	.8	38	11	724	3.32	769	5	ND	7	448	2.3	23	2	34	3.29	.028	13	31	1.31	43	.01	8	.41	.01	.10	1	290	3400
026149 DR	8	28	21	254	.6	34	9	573	2.82	362	5	ND	5	351	3.1	25	2	55	2.71	.032	11	30	1.05	46	.01	5	.38	.01	.08	1	81	5600
026150 DR	3	15	418	274	3.0	19	9	664	3.47	207	5	ND	7	77	.7	89	6	12	.09	.026	28	10	.04	595	.01	8	.51	.01	.12	1	104	1600
026151 DR	1	17	268	238	1.0	25	13	1751	3.46	243	5	ND	9	70	1.8	47	2	17	.24	.031	34	8	.05	631	.01	9	.53	.01	.11	1	91	2300
026152 DR	2	14	50	153	.1	20	13	1269	3.30	58	5	ND	13	68	.4	17	4	47	.97	.100	40	21	.08	427	.01	7	.70	.01	.13	1	19	2900
026153 DR	2	17	51	154	.4	20	16	1600	3.80	328	5	ND	10	140	.5	19	2	26	1.57	.069	27	13	.15	781	.01	7	.61	.01	.13	2	62	2400
026154 DR	2	17	43	164	.3	19	12	972	3.53	92	5	ND	11	112	.4	20	2	34	1.53	.058	30	17	.07	800	.01	7	.55	.01	.10	1	24	1800
026155 DR	2	26	26	123	.1	18	12	1359	3.45	143	5	ND	12	71	.3	16	2	14	1.75	.093	30	8	.14	225	.01	9	.50	.01	.17	1	12	2500
026156 DR	2	42	49	124	.6	16	12	459	3.61	550	5	ND	13	63	.2	26	6	18	.33	.087	35	7	.06	338	.01	10	.48	.01	.16	1	300	2300
026157 DR	2	19	24	100	.7	14	8	497	3.57	3502	5	ND	12	76	.7	88	2	14	.15	.031	35	6	.03	608	.01	8	.55	.01	.13	1	2120	2200
026158 DR	2	21	37	130	.2	19	13	1039	3.81	1787	5	ND	12	97	.6	56	2	24	.75	.033	26	13	.14	654	.01	4	.51	.01	.11	1	600	3800
026159 DR	2	14	29	154	.1	23	13	1184	3.78	1321	5	ND	11	110	.7	50	2	19	.87	.034	28	11	.22	716	.01	5	.61	.01	.13	1	510	2400
026160 DR	4	27	35	160	.5	34	11	751	3.25	2093	5	ND	9	110	.9	47	2	23	.57	.046	28	9	.14	540	.01	6	.54	.01	.17	1	550	1900
026161 DR	1	11	23	81	.5	14	9	834	3.53	2961	5	ND	8	218	.2	24	2	12	2.36	.087	16	10	.72	74	.01	6	.41	.01	.16	1	1050	2900
026162 DR	2	8	29	109	.1	17	10	823	3.49	273	5	ND	11	203	.2	45	2	18	2.63	.091	28	13	.67	214	.01	4	.57	.01	.16	1	99	1500
026163 DR	2	9	21	107	.2	11	9	823	3.43	160	5	ND	11	266	.2	20	2	19	2.72	.078	25	14	.79	195	.01	6	.50	.01	.15	1	22	2300
026164 DR	3	14	23	98	.1	12	8	688	3.10	139	5	ND	14	226	.2	18	2	40	2.53	.097	34	22	.65	256	.01	2	.50	.01	.11	1	19	1900
026165 DR	2	12	33	113	.1	12	10	687	3.28	84	5	ND	17	118	.3	14	2	62	1.78	.102	49	26	.59	485	.06	5	.94	.01	.27	1	18	1500
026166 DR	2	14	53	149	.5	16	10	661	3.41	342	5	ND	16	199	1.3	15	2	74	1.90	.102	42	37	1.03	242	.16	4	1.39	.04	.55	1	200	380
026167 DR	1	12	76	266	.6	17	10	597	3.21	158	5	ND	16	112	1.9	38	2	68	1.55	.101	49	32	.76	361	.08	3	1.20	.02	.32	1	67	1200
026168 DR	2	10	39	125	.4	17	10	574	3.45	39	5	ND	16	132	.9	31	2	81	1.80	.101	42	41	1.13	376	.16	5	1.72	.04	.49	1	10	100
026169 DR	1	11	45	139	.4	15	10	613	3.35	57	5	ND	16	127	1.1	25	2	75	1.72	.101	47	35	1.01	234	.14	4	1.53	.03	.42	1	9	230
026170 DR	2	9	31	109	.2	22	11	491	3.31	30	5	ND	16	100	1.2	18	4	82	1.24	.104	42	38	1.08	565	.18	2	1.63	.04	.42	1	3	120
026171 DR	2	13	46	177	.6	19	11	811	3.12	108	5	ND	18	161	1.0	17	2	63	2.02	.106	52	29	.94	110	.06	4	1.11	.02	.30	1	7	1300
026172 DR	3	19	55	294	.5	45	15	814	3.34	1428	5	ND	12	94	2.8	527	2	42	.54	.077	37	24	.27	672	.02	6	1.13	.01	.21	1	640	1500
026173 DR	2	15	36	321	.1	32	14	894	3.52	746	5	ND	12	72	2.6	188	2	35	.45	.058	30	16	.12	512	.01	2	.62	.01	.10	1	510	3100
STANDARD C/AU-R	19	57	44	132	7.1	72	31	1055	3.99	40	16	7	39	52	18.6	15	21	56	.52	.095	40	60	.90	183	.08	36	1.89	.06	.13	15	560	1400

BCRC 90-129

BCRC 90-130

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	Hg ppb
026174 DR	2	14	35	210	.4	22	11	911	3.52	2313	5	2	9	94	2.0	106	2	29	.60	.025	22	15	.21	434	.01	5	.54	.01	.08	1	3020	4000
026175 DR	1	15	35	171	.6	17	11	865	3.60	3308	5	2	9	77	.9	53	2	36	.80	.018	19	14	.16	448	.01	3	.49	.01	.07	1	3250	3200
026176 DR	2	18	51	208	.2	33	14	998	4.19	1809	5	ND	9	99	1.1	53	2	41	.75	.041	27	21	.09	840	.01	3	.62	.01	.09	1	1060	3300
026177 DR	2	7	44	128	.5	13	10	972	3.75	1336	5	ND	8	103	.5	49	2	24	1.42	.023	22	9	.12	491	.01	4	.58	.01	.10	1	760	5800
026178 DR	3	13	28	106	.3	19	9	819	3.43	1064	5	ND	11	149	.3	29	2	42	2.29	.038	25	22	.41	717	.01	6	.58	.01	.07	1	470	3000
026179 DR	2	17	124	330	1.4	13	9	1102	3.82	808	5	ND	11	145	2.4	75	2	58	1.74	.031	23	22	.53	474	.01	2	.56	.01	.06	1	780	4400
026180 DR	3	18	121	292	.8	17	11	1107	4.29	754	5	ND	10	108	1.4	49	3	55	.69	.018	21	22	.23	365	.01	2	.55	.01	.05	1	1070	3200
026181 DR	1	17	50	163	.3	13	10	913	3.86	566	5	ND	10	125	.8	43	2	59	1.37	.022	23	26	.52	486	.01	4	.61	.01	.04	2	960	3100
026182 DR	2	18	58	248	.5	16	10	880	4.22	723	5	ND	9	115	1.3	37	2	56	.96	.024	18	23	.21	499	.01	2	.57	.01	.04	1	1100	4700
026183 DR	2	15	31	144	.1	13	10	1148	3.67	183	5	ND	15	119	.2	23	3	67	1.92	.065	37	28	.19	818	.01	2	.69	.01	.04	1	340	3600
026184 DR	2	15	27	170	.1	22	15	1079	3.50	221	5	ND	19	78	.2	30	2	70	.84	.116	60	29	.28	1476	.01	4	.99	.01	.13	1	440	1300
026185 DR	2	14	28	129	.1	15	10	760	3.57	262	5	ND	17	94	.4	23	2	68	1.84	.095	49	31	.68	664	.04	3	1.06	.01	.24	1	210	1800
026186 DR	2	13	29	118	.1	16	11	836	3.82	252	5	ND	18	121	.3	18	2	71	2.05	.110	54	34	.74	820	.04	2	1.09	.01	.23	1	132	1600
026187 DR	2	14	34	113	.2	13	9	941	3.58	280	5	ND	12	234	.3	22	2	48	2.66	.053	24	27	1.00	429	.01	3	.76	.01	.11	1	68	3000
026188 DR	2	12	33	175	.5	17	11	1223	3.88	338	5	ND	10	136	.9	33	3	45	1.87	.048	23	21	.75	625	.01	4	.60	.01	.09	1	38	3300
026189 DR	1	11	40	145	.2	13	9	763	3.44	214	5	ND	11	161	.8	25	2	47	2.50	.070	24	20	1.11	361	.01	4	.62	.01	.12	1	33	2200
026190 DR	2	7	39	96	.5	11	8	806	3.32	455	5	ND	9	299	.5	24	2	31	2.94	.078	20	16	1.18	67	.01	7	.56	.01	.15	1	56	1200
026191 DR	1	4	40	113	.1	12	8	788	3.40	293	5	ND	9	316	.4	19	2	21	2.81	.080	24	12	1.13	79	.01	5	.58	.01	.16	1	51	730
026192 DR	2	3	41	129	.1	41	14	837	3.56	68	5	ND	11	344	.3	28	2	25	2.71	.092	24	16	.96	213	.01	3	.95	.01	.18	1	23	180
026193 DR	1	7	34	121	.2	12	9	854	3.73	54	5	ND	10	262	.4	18	2	27	3.08	.094	20	15	1.14	192	.01	5	.70	.01	.16	1	16	540
026194 DR	4	25	31	192	.1	42	11	522	3.58	107	5	ND	7	349	1.0	11	3	42	1.95	.067	22	17	.77	33	.01	6	.78	.02	.25	1	12	560
026195 DR	4	37	20	390	.2	66	15	257	3.48	37	5	ND	6	171	2.8	7	2	43	.82	.065	27	15	.71	34	.01	9	.76	.02	.28	1	7	370
026196 DR	2	18	138	558	2.7	29	9	737	2.94	5679	5	9	10	128	6.6	72	2	19	.33	.038	26	10	.08	764	.01	4	.57	.01	.11	1	9720	4900
026197 DR	2	15	61	382	.7	20	11	848	3.36	2158	5	ND	10	76	2.1	57	4	27	.11	.030	31	10	.03	664	.01	3	.52	.01	.10	1	1760	3200
026198 DR	2	22	80	369	.5	23	7	458	3.69	1021	5	ND	9	96	3.4	52	3	14	.11	.044	35	9	.03	1051	.01	4	.57	.01	.12	1	250	2400
026199 DR	1	17	52	266	1.3	9	3	153	3.54	2074	5	ND	9	82	2.1	206	3	18	.08	.037	32	8	.02	808	.01	6	.53	.01	.12	1	2050	2100
026200 DR	2	20	59	246	1.6	21	10	946	3.35	3852	5	4	8	74	3.8	68	2	19	.46	.018	26	10	.07	369	.01	2	.49	.01	.11	1	4350	2800
026201 DR	1	18	129	204	.9	17	10	980	3.32	2627	5	2	10	85	.9	48	2	27	.79	.021	26	13	.09	444	.01	4	.57	.01	.11	1	2040	3400
026202 DR	2	17	71	166	.3	22	10	954	3.52	678	5	ND	10	93	1.0	53	2	32	1.42	.022	22	16	.25	441	.01	2	.52	.01	.09	1	188	3200
026203 DR	1	15	45	121	.1	13	9	800	3.17	70	5	ND	10	152	.3	10	2	45	2.17	.036	19	23	.78	741	.01	2	.67	.01	.08	1	33	1600
026204 DR	1	17	36	120	.1	18	10	926	3.37	172	5	ND	9	205	.3	12	2	35	3.01	.032	22	25	.87	597	.01	5	.58	.01	.09	1	44	1300
026205 DR	2	28	29	213	.4	42	15	755	3.79	199	5	ND	8	177	.9	19	2	30	1.65	.044	25	15	.37	405	.01	8	.59	.01	.16	1	32	2800
026206 DR	2	6	29	102	.1	15	9	996	3.45	756	5	ND	7	207	.2	27	2	21	2.44	.025	20	11	.71	512	.01	4	.48	.01	.11	1	200	7200
026207 DR	1	5	32	153	.1	12	11	1017	3.95	1029	5	ND	8	117	.2	22	2	32	1.52	.029	22	11	.32	639	.01	2	.64	.01	.11	1	1170	4600
026208 DR	2	17	50	196	.5	17	11	905	3.36	1708	5	3	10	111	.5	371	2	45	.69	.024	23	16	.13	478	.01	2	.57	.01	.06	1	3250	4300
026209 DR	1	14	41	134	.3	12	9	829	3.24	483	5	ND	12	191	.3	62	2	47	2.49	.034	23	22	.77	497	.01	2	.44	.01	.05	1	610	2700
STANDARD C/AU-R	19	57	40	134	7.0	73	31	1054	3.98	42	15	7	39	52	18.9	15	21	57	.52	.096	41	60	.89	183	.08	35	1.89	.06	.13	11	540	1600

BORC 90-180

BORC 90-181

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	Hg ppb
BORE 90-181																																
026210 DR	1	20	75	341	.9	12	9	1070	4.04	865	5	ND	11	197	2.7	45	5	51	2.69	.031	29	23	1.06	215	.01	3	.59	.01	.06	1	1730	3800
026211 DR	2	15	35	137	.6	14	10	852	3.86	338	5	ND	16	166	.2	22	2	59	2.41	.068	48	28	.96	528	.01	7	.60	.01	.08	1	350	2200
026212 DR	2	15	30	114	.4	13	10	744	3.18	447	5	ND	17	95	.2	15	2	60	1.33	.096	55	26	.45	445	.01	3	.73	.01	.10	1	1040	1600
026213 DR	2	16	29	147	.4	19	11	930	3.46	902	5	ND	15	132	.2	143	3	57	1.45	.070	40	26	.50	586	.01	3	.65	.01	.08	1	2250	3200
026214 DR	2	17	125	215	1.3	13	9	885	3.47	1181	5	2	15	215	1.2	125	2	45	2.45	.091	37	23	.94	147	.01	4	.54	.01	.10	1	2010	3300
026215 DR	2	12	59	147	1.0	13	8	1076	3.61	662	5	ND	9	284	.7	38	2	35	2.82	.038	18	19	1.19	89	.01	6	.48	.01	.09	1	810	2600
026216 DR	1	7	26	75	.4	11	8	744	3.48	794	5	ND	7	330	.2	20	2	17	2.72	.075	17	11	1.12	41	.01	7	.54	.01	.14	1	128	800
026217 DR	2	6	20	106	.2	14	9	828	3.38	88	5	ND	9	246	.2	15	3	22	2.57	.090	21	14	1.07	113	.01	5	.51	.01	.14	1	17	830
026218 DR	3	12	39	105	.4	29	9	884	3.36	1172	5	ND	6	385	.3	23	2	21	2.60	.064	14	12	1.09	32	.01	7	.52	.01	.18	1	290	930
026219 DR	2	15	38	86	.5	15	9	967	3.90	750	5	ND	6	376	.2	18	3	19	2.72	.061	14	14	1.24	36	.01	7	.46	.01	.15	1	81	1300
BORE 90-182																																
026220 DR	2	27	32	48	1.7	10	2	61	1.17	1162	5	2	11	159	1.1	521	2	29	.11	.048	38	11	.03	676	.01	3	.42	.01	.13	2	3210	1400
026221 DR	3	19	47	62	2.4	15	2	15	.82	488	5	ND	10	472	1.2	4224	3	36	.13	.080	40	11	.02	925	.01	7	.54	.01	.12	1	1560	2000
026222 DR	2	57	40	85	7.5	17	3	24	.95	389	5	2	1	192	2.6	20093	4	30	.09	.048	33	10	.01	402	.01	8	.53	.01	.11	1	2180	2500
026223 DR	4	26	29	75	2.8	11	2	6	1.24	917	5	ND	10	188	.5	2114	2	67	.02	.090	29	22	.01	1247	.01	9	.55	.01	.13	1	1950	3600
026224 DR	16	120	18	89	4.0	33	4	31	1.24	220	5	ND	3	508	1.7	471	6	388	.13	.357	15	70	.01	3418	.01	7	.78	.01	.09	2	790	10800
026225 DR	31	60	15	105	2.9	43	3	15	1.77	161	5	ND	2	351	4.0	124	2	271	.07	.398	11	38	.01	1711	.01	9	.56	.01	.10	1	116	8300
026226 DR	17	118	32	662	1.7	95	11	265	3.43	2164	5	ND	8	247	18.8	113	2	95	.16	.202	32	26	.03	2068	.01	7	.86	.01	.16	1	460	3200
026227 DR	19	74	24	545	2.6	103	5	250	2.32	1165	5	ND	6	203	14.5	97	4	688	.37	.181	24	46	.03	1138	.01	11	.65	.01	.13	1	430	7700
026228 DR	13	101	30	1079	1.4	111	13	490	3.70	241	5	ND	13	259	14.2	268	2	419	.70	.378	47	50	.03	1270	.01	7	.80	.01	.14	1	86	4000
026229 DR	27	113	40	769	3.1	132	6	262	2.19	110	5	ND	5	227	16.6	57	2	822	.94	.384	31	67	.06	1120	.01	11	.80	.01	.19	1	25	3200
026230 DR	5	27	32	585	.4	49	11	768	4.00	73	5	ND	9	190	6.5	53	2	61	1.96	.125	39	18	.55	405	.01	5	.58	.01	.12	1	40	660
026231 DR	4	18	29	424	.1	31	10	714	3.37	20	5	ND	10	211	1.9	33	2	36	2.35	.106	38	18	.66	370	.01	3	.60	.01	.12	1	15	560
026232 DR	6	12	33	691	.2	49	13	791	4.17	36	5	ND	13	205	3.1	86	2	44	1.84	.137	46	17	.54	381	.01	3	.68	.01	.13	1	38	610
026233 DR	4	15	31	474	.3	33	10	667	3.56	23	5	ND	12	137	2.3	41	2	37	1.96	.119	41	15	.60	291	.01	5	.53	.01	.10	1	16	930
026234 DR	4	15	35	503	.3	35	10	731	3.69	36	5	ND	12	202	2.2	53	2	39	2.29	.118	40	17	.78	328	.01	5	.64	.01	.11	1	16	750
026235 DR	4	15	35	575	.5	41	12	693	4.29	53	5	ND	10	282	3.3	52	2	36	1.98	.098	35	16	.71	151	.01	7	.54	.01	.10	1	21	2500
026236 DR	3	14	35	376	.1	26	9	760	3.59	25	5	ND	11	207	1.7	32	2	38	2.37	.104	36	18	.95	385	.01	4	.66	.01	.11	1	13	780
026237 DR	4	22	33	659	.1	41	11	708	3.69	31	5	ND	11	195	3.4	40	2	45	1.89	.104	37	20	.62	460	.01	4	.63	.01	.09	1	13	920
026238 DR	4	16	31	662	.1	41	11	815	4.11	18	5	ND	13	209	2.6	22	2	38	2.61	.123	41	18	.86	297	.01	3	.71	.01	.11	1	21	770
BORE 90-183																																
026239 DR	5	40	40	198	.8	27	7	81	2.42	859	5	ND	10	112	1.7	525	3	41	.18	.059	31	12	.04	892	.01	5	.62	.01	.18	1	700	1400
026240 DR	7	36	20	176	.2	45	9	153	2.83	433	5	ND	2	49	.3	167	2	31	.13	.041	4	7	.04	614	.01	7	.54	.01	.21	1	63	960
026241 DR	7	18	14	58	.7	19	3	25	2.20	863	5	ND	2	43	.2	85	2	32	.05	.023	7	8	.02	378	.01	7	.47	.01	.25	1	280	1500
026242 DR	4	31	36	339	.8	33	12	296	4.34	2208	7	ND	10	81	.3	220	2	40	.03	.049	32	13	.02	712	.01	9	.55	.01	.17	1	590	2100
026243 DR	3	22	48	140	3.2	17	4	45	2.89	4142	5	2	10	231	2.1	6447	2	37	.02	.043	44	12	.01	425	.01	5	.57	.01	.17	1	2010	3800
026244 DR	3	50	38	322	5.1	33	9	126	4.55	2312	6	ND	1	120	3.3	16838	2	37	.03	.039	51	17	.01	291	.01	6	.49	.01	.10	1	1730	3400
026245 DR	7	62	65	380	2.9	38	6	106	2.67	649	5	ND	2	283	7.6	17675	2	76	.02	.103	30	25	.01	177	.01	4	.57	.01	.07	1	410	3200
STANDARD C/AU-R	19	58	37	131	7.0	72	31	1053	3.98	39	21	7	37	52	18.8	15	22	56	.51	.096	39	59	.89	183	.08	34	1.89	.06	.13	13	510	1600

BERC 90-183

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	Hg ppb
026246 DR	4	40	29	789	.1	54	15	754	3.94	200	5	ND	9	53	2.4	291	2	48	.02	.027	26	13	.03	1236	.01	7	.91	.01	.11	1	37	360
026247 DR	8	37	30	958	.6	83	16	804	4.00	1053	5	ND	10	136	14.7	260	2	51	.13	.124	36	16	.02	1563	.01	8	1.09	.01	.11	1	530	1100
026248 DR	15	119	13	642	3.2	94	5	249	1.68	118	11	ND	3	348	18.5	126	2	354	1.47	.596	18	63	.04	2176	.01	16	.73	.01	.15	2	55	3500
026249 DR	13	85	7	453	3.7	78	2	79	1.09	77	16	ND	2	384	9.9	75	2	414	2.17	.840	14	76	.04	1118	.01	19	.67	.01	.16	3	35	4600
026250 DR	17	98	9	735	3.4	82	4	115	1.82	80	12	ND	3	291	10.0	100	2	264	.75	.315	13	42	.04	1627	.01	13	.61	.01	.14	1	117	5600
026251 DR	34	84	36	1079	2.1	122	6	348	2.67	108	7	ND	3	180	14.4	217	2	223	.67	.256	18	33	.04	1131	.01	14	.55	.01	.15	1	200	6500
026252 DR	28	49	17	258	2.6	35	2	71	1.22	43	6	ND	2	199	8.8	61	4	279	.39	.186	10	24	.03	874	.01	15	.45	.01	.15	3	50	2100
026253 DR	19	49	144	440	1.4	51	11	591	3.75	448	5	ND	11	360	6.8	73	2	82	1.67	.142	36	25	.67	174	.01	4	.49	.01	.11	1	51	1600
026254 DR	15	54	38	378	1.3	35	5	429	2.21	68	5	ND	5	280	6.8	43	2	149	2.03	.236	21	25	.63	425	.01	10	.53	.01	.13	2	40	1700
026255 DR	13	83	18	458	2.7	51	3	261	1.35	62	6	ND	3	303	7.5	40	2	236	2.16	.355	14	45	.71	790	.01	14	.52	.01	.13	2	22	1400
026256 DR	11	149	10	681	2.8	82	5	377	1.95	45	9	ND	3	345	10.2	26	2	285	2.80	.426	16	66	1.04	1208	.01	21	.62	.01	.16	1	20	1500
026257 DR	9	87	10	589	2.2	59	6	458	2.20	30	5	ND	5	245	9.5	21	2	169	2.81	.387	26	54	.96	604	.01	14	.59	.01	.16	1	7	1300
STANDARD C/AU-R	18	57	39	132	7.1	70	31	1052	3.97	38	15	7	39	53	18.5	15	21	56	.51	.092	38	59	.90	181	.07	38	1.89	.06	.14	12	530	1600

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9009-052 File # 90-4627 Page 1

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5 Submitted by: L. BROMMELAND

BCRC 90-184

BCRC 90-185

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	Hg ppb
026258 DR	5	38	42	276	.8	35	12	595	3.26	1243	5	ND	8	90	2.2	700	2	58	.17	.058	31	30	.12	1395	.01	8	.92	.01	.15	1	599	2200
026259 DR	8	34	12	98	.1	28	5	54	1.97	628	5	ND	3	54	.2	164	2	44	.15	.016	14	10	.03	1229	.01	6	.58	.01	.18	1	266	1300
026260 DR	9	23	18	108	.4	24	5	61	1.89	356	5	ND	3	52	.2	96	2	48	.13	.019	9	28	.04	1590	.01	7	.61	.01	.15	1	70	3200
026261 DR	4	41	33	257	1.2	46	12	721	2.75	3988	5	ND	6	66	4.0	10427	2	32	.09	.025	32	10	.02	786	.01	8	.63	.01	.15	1	1995	3400
026262 DR	6	40	22	460	.4	74	19	621	2.87	1290	5	ND	7	121	3.5	499	2	27	.14	.033	26	27	.03	1047	.01	8	.75	.01	.18	1	390	1600
026263 DR	10	49	18	174	1.1	33	5	84	2.57	1309	5	ND	5	287	1.2	157	4	90	.21	.089	24	16	.03	743	.01	7	.57	.01	.22	2	304	3800
026264 DR	4	34	26	297	.4	52	13	701	3.58	2566	5	ND	9	120	2.5	256	2	28	.25	.075	37	17	.04	805	.01	11	.66	.01	.21	1	342	2500
026265 DR	6	25	19	319	.6	51	13	537	3.65	1855	5	ND	12	127	2.4	555	2	32	.37	.075	42	13	.04	875	.01	8	.85	.01	.22	1	903	4100
026266 DR	6	18	32	584	.7	67	15	713	4.17	2593	5	ND	14	130	5.0	3259	2	37	.73	.059	45	27	.06	978	.01	9	1.04	.01	.14	1	874	3300
026267 DR	6	17	35	345	1.0	37	12	867	3.74	2500	5	ND	15	140	2.5	2150	2	31	2.03	.055	49	15	.06	873	.01	13	.66	.01	.11	2	1359	1800
026268 DR	8	23	50	397	1.8	33	12	772	3.52	1822	5	2	11	103	2.5	9319	2	36	.20	.033	43	27	.03	612	.01	9	.73	.01	.08	1	1796	2300
026269 DR	9	35	27	308	2.0	55	8	356	2.32	728	8	ND	2	196	9.7	21177	2	91	.19	.078	20	26	.01	542	.01	4	.76	.01	.04	1	827	3200
026270 DR	18	44	32	796	1.2	115	15	714	3.97	896	8	ND	9	387	8.1	460	3	125	.25	.241	37	38	.04	2899	.01	6	1.11	.01	.13	11	238	2600
026271 DR	24	115	11	260	4.4	75	5	187	1.58	174	12	ND	1	684	6.7	195	2	741	1.76	.700	16	104	.06	3200	.01	20	.97	.01	.19	2	86	8500
026272 DR	21	96	17	619	5.7	124	9	373	2.35	198	9	ND	2	741	7.0	112	2	448	1.35	.654	14	117	.05	3878	.01	13	.92	.01	.12	11	92	6100
026273 DR	7	33	32	375	.8	37	6	546	3.07	65	6	ND	7	244	2.4	57	2	77	1.66	.183	26	23	.39	401	.01	13	.80	.01	.17	1	25	1700
026274 DR	6	18	30	239	.3	25	6	573	3.11	30	5	ND	8	281	.9	50	2	33	2.24	.098	22	31	.72	116	.01	9	.70	.01	.15	1	18	800
026275 DR	6	34	20	330	.6	30	7	551	3.26	44	5	ND	7	291	2.9	35	2	55	2.09	.148	22	19	.65	98	.01	18	.75	.01	.22	1	20	1100
026276 DR	13	89	12	687	1.6	81	8	491	2.34	43	6	ND	3	316	5.5	37	2	146	3.58	.397	18	71	1.50	1124	.01	30	.79	.01	.29	1	14	640
026277 DR	6	42	44	202	1.0	39	9	454	3.24	3262	5	2	10	122	2.0	4704	2	50	.25	.065	38	23	.06	686	.01	9	.97	.01	.26	1	1406	1800
026278 DR	4	24	36	281	.5	33	12	802	3.82	5356	5	ND	12	81	1.1	2547	2	29	.47	.108	51	26	.04	893	.01	5	.55	.01	.19	1	1273	2500
026279 DR	4	32	33	243	1.0	36	11	581	3.32	4616	5	2	9	162	1.5	1723	2	32	.37	.070	35	16	.04	786	.01	4	.49	.01	.18	1	2214	3100
026280 DR	6	45	24	275	.6	57	14	283	3.83	2002	5	ND	4	140	.7	1057	2	29	.21	.033	19	18	.04	665	.01	6	.42	.01	.17	1	808	1600
026281 DR	5	36	16	204	.6	36	9	155	2.95	1481	5	ND	4	163	.3	385	2	24	.19	.028	15	11	.04	583	.01	6	.46	.01	.21	1	646	1800
026282 DR	5	16	29	95	.6	23	6	118	2.73	1686	5	ND	8	205	.4	183	2	22	.13	.030	30	16	.03	557	.01	8	.39	.01	.22	1	1207	2800
026283 DR	4	17	30	409	.3	47	14	1067	4.20	2043	5	ND	14	91	1.4	408	2	25	.15	.069	47	11	.03	1723	.01	5	.54	.01	.18	1	361	2500
026284 DR	6	17	37	381	.4	37	15	1055	4.18	1204	5	ND	15	78	.9	730	2	31	.18	.037	43	14	.04	856	.01	9	.65	.01	.12	2	181	5600
026285 DR	7	18	30	424	.4	44	15	982	3.99	1204	5	ND	14	78	1.1	337	2	25	.12	.033	44	12	.04	1255	.01	9	.69	.01	.13	2	143	5100
026286 DR	9	24	26	356	1.0	41	14	817	3.80	1598	5	ND	14	89	1.4	441	2	28	.38	.033	44	16	.04	756	.01	6	.59	.01	.12	1	266	5800
026287 DR	8	39	34	421	.5	64	18	949	4.97	2060	5	ND	13	161	2.1	1031	2	58	2.59	.062	41	64	.67	764	.01	4	.76	.01	.11	1	228	7200
026288 DR	6	18	22	351	1.6	47	11	564	3.37	2463	6	ND	15	83	2.5	1055	2	31	.34	.048	47	16	.06	598	.01	6	.71	.01	.11	1	456	4100
026289 DR	16	75	16	333	4.2	85	9	328	2.37	1991	9	ND	5	484	3.9	861	2	208	.35	.256	22	56	.05	4810	.01	8	1.09	.01	.09	1	637	8000
026290 DR	26	128	10	539	6.0	154	9	249	2.30	1159	17	ND	2	567	6.8	471	2	360	1.05	.421	14	81	.07	3307	.01	11	.99	.01	.10	1	162	13000
026291 DR	10	65	29	623	1.0	87	11	320	3.56	272	16	ND	8	296	3.6	184	2	82	.36	.185	30	23	.06	945	.01	9	.96	.01	.15	1	27	2600
026292 DR	10	58	11	331	3.4	65	5	134	1.72	251	12	ND	3	380	2.8	166	2	242	2.02	.679	20	78	.06	1315	.01	16	.75	.01	.15	1	69	4500
026293 DR	10	96	8	453	3.0	72	4	82	1.91	210	12	ND	1	483	3.0	71	2	272	2.03	.728	15	69	.06	1737	.01	19	.78	.01	.16	11	55	2100
STANDARD C/AU-R	19	60	41	133	7.3	72	32	1060	3.99	41	17	8	37	53	18.4	16	19	57	.49	.094	38	61	.90	181	.08	39	1.90	.07	.14	13	510	1300

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: CUTTING AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: SEP 18 1990 DATE REPORT MAILED: Sept 27/90 SIGNED BY: C. Leong

D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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	Hg ppb
026294 DR	5	30	23	258	.6	28	9	587	3.44	61	5	ND	9	452	.3	42	2	54	3.38	.161	26	17	.99	147	.01	13	.65	.01	.15	1	13	750
026295 DR	3	10	25	314	.3	26	10	690	3.85	58	5	ND	9	411	.4	40	2	38	3.37	.109	22	14	1.19	98	.01	13	.64	.01	.18	1	12	620
026296 DR	3	25	26	168	.6	20	12	706	3.58	3434	5	ND	10	174	.2	740	5	29	3.38	.092	33	15	.31	551	.01	4	.57	.01	.15	1	1074	1200
026297 DR	3	26	32	209	.8	29	15	746	4.23	4723	5	2	11	113	.2	703	2	25	1.74	.068	40	12	.10	750	.01	4	.62	.01	.14	1	1530	1900
026298 DR	4	36	24	190	.6	34	11	315	3.29	2433	5	ND	5	130	.2	382	2	23	.60	.028	18	10	.05	646	.01	8	.44	.01	.15	2	1150	1200
026299 DR	5	43	13	187	.4	33	8	113	3.10	1697	5	ND	3	156	.2	195	2	23	.28	.014	12	7	.04	602	.01	4	.43	.01	.13	1	532	1100
026300 DR	5	47	23	197	.5	34	8	123	3.24	1869	5	ND	3	187	.2	218	2	25	.33	.020	12	10	.05	657	.01	3	.51	.01	.20	2	437	1500
026301 DR	4	31	19	84	.8	18	5	58	2.13	2394	5	2	4	260	.2	81	2	24	.25	.018	18	9	.05	778	.01	4	.62	.01	.24	2	2432	1700
026302 DR	5	25	33	86	1.1	16	5	45	2.41	1571	5	ND	6	105	.6	9609	2	27	.18	.016	28	9	.03	418	.01	5	.48	.01	.14	1	1378	2300
026303 DR	4	20	39	271	.4	30	13	609	4.22	1622	5	ND	14	78	.2	1342	2	27	.11	.020	37	11	.03	529	.01	7	.58	.01	.10	2	418	3200
026304 DR	3	16	45	246	1.2	23	10	369	3.18	1895	5	2	13	129	.5	4728	2	21	.15	.019	40	10	.03	461	.01	8	.44	.01	.09	1	1482	3400
026305 DR	4	20	52	265	.7	25	11	278	3.81	2470	5	ND	14	121	.2	1216	2	23	.14	.024	43	13	.03	524	.01	9	.49	.01	.09	1	950	2800
026306 DR	4	25	50	422	.5	49	18	1148	4.17	1472	5	ND	16	88	.6	593	2	30	.24	.064	49	14	.04	684	.01	7	.63	.01	.10	2	608	3600
026307 DR	3	16	25	274	.4	32	15	981	3.95	3263	5	ND	13	88	.2	315	2	22	1.02	.076	46	10	.04	738	.01	9	.61	.01	.11	1	855	1800
026308 DR	5	20	35	450	.2	52	19	1114	4.44	1988	5	ND	12	90	.4	385	2	27	.63	.053	42	12	.04	1066	.01	11	.55	.01	.11	2	437	1400
026309 DR	1	97	3	362	6.6	28	7	304	2.37	89	5	2	1	103	12.6	30352	2	33	.56	.004	3	12	.04	4	.01	7	.33	.01	.08	2	1235	3500
026310 DR	16	61	25	380	3.2	69	8	228	1.78	555	5	ND	2	475	5.4	7428	2	195	.44	.250	14	48	.03	1136	.01	5	.69	.01	.06	2	342	5500
026311 DR	28	118	13	520	2.3	104	6	143	1.77	256	5	ND	3	601	2.9	1883	2	362	1.00	.452	15	54	.05	2676	.01	13	.89	.01	.10	2	88	4300
026312 DR	15	113	15	452	3.2	71	4	64	1.39	149	5	ND	3	475	4.4	1305	2	367	2.11	.740	22	83	.06	2189	.01	21	.86	.01	.14	1	59	4900
026313 DR	16	116	12	410	3.0	51	5	98	1.46	140	5	ND	3	741	7.1	457	2	438	1.67	.655	16	75	.06	2934	.01	24	.95	.01	.16	1	90	3600
026314 DR	15	93	16	373	3.0	39	4	64	.99	146	5	ND	1	517	16.3	376	2	585	1.70	.603	17	86	.06	2120	.01	31	.83	.01	.17	2	59	3200
026315 DR	4	79	36	274	9.8	52	19	698	4.48	4086	5	3	3	97	2.8	19628	2	49	.30	.026	28	45	.04	89	.01	5	.47	.01	.09	1	3069	8200
026316 DR	3	24	26	259	1.0	33	16	871	4.39	2820	5	ND	12	67	2.1	2536	2	28	.78	.028	41	14	.07	939	.01	6	.86	.01	.16	1	998	3600
026317 DR	3	25	29	255	1.2	31	17	813	3.90	3024	5	2	12	91	1.3	1075	2	20	.77	.021	40	15	.06	535	.01	7	.56	.01	.12	2	1283	4500
026318 DR	2	23	36	208	1.0	29	15	740	3.79	3358	5	2	13	121	.2	1548	2	26	.39	.035	41	11	.04	591	.01	5	.52	.01	.10	1	1340	5100
026319 DR	4	20	29	271	1.6	37	20	1004	5.06	3472	5	ND	17	98	.7	2065	2	33	.39	.070	57	18	.04	962	.01	5	.67	.01	.09	2	998	4000
026320 DR	2	39	14	274	2.7	36	15	707	4.25	2772	5	2	1	131	1.1	24417	2	28	.54	.036	33	12	.03	213	.01	6	.57	.01	.07	2	1834	3900
026321 DR	3	20	32	209	1.7	27	14	964	3.94	3701	5	2	15	111	.3	4840	2	28	1.38	.062	49	15	.05	680	.01	6	.60	.01	.10	3	1169	4300
026322 DR	3	16	29	191	1.4	24	12	800	3.69	2884	5	ND	10	122	1.2	17406	2	27	1.32	.055	38	11	.04	620	.01	10	.51	.01	.09	2	903	2100
026323 DR	4	25	28	226	1.6	25	13	847	4.00	3221	5	ND	11	96	.3	5282	2	27	.40	.039	44	19	.03	646	.01	11	.52	.01	.09	1	1539	4000
026324 DR	5	32	32	292	2.6	48	13	565	3.97	2520	5	2	10	106	.2	6191	2	27	.28	.022	37	14	.03	505	.01	9	.58	.01	.09	2	1245	3800
026325 DR	7	24	44	397	1.8	39	17	993	4.27	2585	5	3	12	69	.3	2287	3	29	.19	.020	34	18	.03	434	.01	7	.42	.01	.07	1	2081	4800
026326 DR	10	23	38	412	1.4	42	17	1181	4.84	1881	5	ND	11	63	.2	2177	2	34	.16	.025	36	21	.04	518	.01	7	.51	.01	.08	1	1473	4500
026327 DR	10	23	41	714	.9	67	23	1198	4.43	2090	5	ND	10	61	1.0	1033	2	27	.15	.030	28	19	.03	488	.01	5	.52	.01	.09	1	1045	5400
026328 DR	8	23	37	430	1.6	44	14	1009	3.85	2683	5	2	9	92	.8	1852	2	30	.38	.030	27	17	.11	444	.01	9	.57	.01	.09	1	1444	4400
026329 DR	9	44	35	813	2.6	57	12	683	4.19	2816	5	2	6	214	9.7	8253	2	63	1.26	.047	23	28	.39	154	.01	4	.55	.01	.05	1	2252	5200
STANDARD C/AU-R	18	60	36	131	6.4	68	31	1059	3.99	40	18	7	36	52	18.8	15	18	53	.50	.092	37	56	.92	180	.07	38	1.90	.06	.14	12	520	1500

BCRC 90-186

BCRC 90-187

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	Hg ppb
026330 DR	21	83	20	545	2.4	96	7	94	1.61	381	5	ND	2	528	8.8	643	2	345	.70	.406	13	58	.05	4818	.01	12	.84	.01	.08	2	350	4300
026331 DR	27	62	16	294	2.5	62	4	74	1.06	127	5	ND	1	442	4.7	280	2	360	.78	.306	13	88	.06	3401	.01	15	.77	.01	.13	1	88	3600
026332 DR	25	59	30	551	1.8	69	8	121	2.83	266	5	ND	4	198	6.6	521	5	131	.42	.132	21	31	.11	655	.01	22	.98	.01	.24	1	130	3500
026333 DR	18	56	22	988	.7	113	20	688	4.10	163	5	ND	6	183	3.4	373	2	55	2.53	.070	16	25	1.09	209	.01	16	.72	.01	.22	1	88	2100
026334 DR	7	34	48	124	.9	32	6	169	2.51	871	5	ND	6	154	1.3	520	2	55	.27	.044	23	13	.05	674	.01	8	.54	.01	.16	1	390	2700
026335 DR	7	24	34	210	.6	36	11	605	3.61	375	5	ND	10	53	1.0	880	4	33	.11	.031	41	27	.04	976	.01	10	.71	.01	.11	1	110	4100
026336 DR	5	25	30	182	.6	35	15	1041	3.70	409	5	ND	11	66	.8	383	2	32	.88	.031	40	11	.05	814	.01	11	.67	.01	.12	1	87	3800
026337 DR	5	27	49	183	1.1	31	14	1090	3.90	837	5	ND	11	76	1.0	5800	4	37	.69	.034	37	24	.06	709	.01	7	.89	.01	.13	2	230	3600
026338 DR	3	20	43	199	.3	35	14	985	3.80	586	5	ND	15	81	.7	414	6	29	1.42	.867	49	14	.06	759	.01	9	.77	.01	.12	1	89	3400
026339 DR	4	36	34	175	1.8	47	16	722	3.91	4832	5	2	13	128	.8	1800	3	31	.59	.036	39	31	.04	755	.01	4	.73	.01	.12	2	2950	4700
026340 DR	4	46	37	185	1.8	54	20	579	4.03	6114	5	3	11	158	.9	1787	4	41	.28	.040	29	36	.04	700	.01	9	.58	.01	.08	3	2390	6800
026341 DR	4	30	42	273	1.0	54	17	781	4.31	4042	5	2	12	101	1.2	624	2	40	.30	.060	41	36	.05	977	.01	6	.77	.01	.10	1	1880	3100
026342 DR	4	24	39	290	.6	47	16	915	4.24	1986	5	ND	13	85	.9	463	2	31	.86	.091	46	20	.06	914	.01	6	.68	.01	.10	1	710	1400
026343 DR	7	21	36	380	.3	49	18	998	4.50	1781	5	ND	14	82	.7	435	2	34	.95	.097	43	22	.07	818	.01	7	.64	.01	.11	1	340	1300
026344 DR	4	17	39	244	.7	31	14	754	4.44	3117	5	ND	11	81	.7	449	2	27	.38	.087	42	16	.05	744	.01	7	.53	.01	.12	1	1150	2300
026345 DR	4	19	29	219	.7	32	14	681	4.12	1648	5	ND	10	77	.2	264	2	25	.81	.108	44	18	.08	447	.01	13	.58	.01	.17	1	400	1500
026346 DR	5	22	38	184	.7	31	12	721	3.68	1329	5	ND	10	164	.6	351	2	43	.69	.078	37	14	.09	557	.01	12	.59	.01	.14	1	620	2500
026347 DR	11	42	44	166	.8	37	8	395	2.33	1122	5	ND	6	234	1.3	400	2	79	.53	.047	23	19	.06	693	.01	10	.40	.01	.13	1	380	2600
026348 DR	11	30	30	202	.6	40	7	300	2.55	1710	5	ND	5	198	.2	469	2	113	.64	.052	24	13	.10	567	.01	7	.46	.01	.13	1	920	3100
026349 DR	11	42	31	297	1.4	46	9	327	3.18	4341	5	ND	7	270	2.8	485	2	146	1.38	.110	25	31	.38	170	.01	8	.53	.01	.11	2	3750	4300
026350 DR	16	78	28	299	1.1	58	9	223	3.32	1357	5	ND	5	202	3.1	423	3	128	.50	.096	23	32	.13	216	.01	13	.75	.01	.17	2	1080	5100
026351 DR	13	71	31	191	.8	40	9	263	2.91	1495	5	ND	7	169	1.7	341	3	71	1.18	.056	27	23	.19	245	.01	13	.68	.01	.20	1	1170	3700
026352 DR	8	40	28	347	.2	53	13	622	3.61	439	5	ND	9	378	1.5	104	6	31	4.01	.074	29	16	1.15	130	.01	9	.61	.01	.20	1	230	1300
026353 DR	3	23	36	149	.3	21	12	866	3.95	1025	5	ND	13	84	.5	397	2	42	2.25	.035	40	19	.10	1446	.01	5	.64	.01	.09	2	330	5200
026354 DR	2	24	27	150	.4	17	12	769	3.64	913	5	ND	13	129	.6	644	2	37	3.21	.040	42	17	.15	902	.01	8	.78	.01	.11	1	440	1900
026355 DR	3	22	44	162	.6	17	12	916	3.65	2100	5	ND	13	136	1.2	449	2	36	2.89	.032	43	16	.18	828	.01	6	.72	.01	.11	1	920	4500
026356 DR	2	17	44	153	.1	15	12	936	3.65	1686	5	ND	13	121	.8	600	2	33	2.92	.034	45	14	.12	782	.01	11	.77	.01	.11	1	610	2500
026357 DR	3	16	42	141	.3	18	10	836	3.37	881	5	ND	13	149	.8	244	2	30	3.07	.037	45	14	.17	835	.01	9	.66	.01	.10	1	210	3100
026358 DR	4	41	30	219	.2	45	19	1041	4.88	1600	5	ND	13	163	1.1	973	3	65	3.37	.055	44	55	.19	1171	.01	7	.91	.01	.14	1	380	4300
026359 DR	11	22	15	70	.5	26	3	141	2.20	361	5	ND	3	148	.4	284	2	135	.56	.029	14	15	.07	237	.01	15	.47	.01	.24	1	50	5400
026360 DR	19	36	14	121	.6	168	7	487	2.25	727	5	ND	1	336	1.6	304	2	361	1.39	.056	9	17	.12	654	.01	16	.51	.01	.19	1	88	9500
026361 DR	15	30	30	104	1.6	50	5	199	2.85	764	5	ND	3	156	.2	286	2	214	.66	.032	14	17	.08	961	.01	20	.55	.01	.18	1	55	9700
026362 DR	13	29	28	212	.5	36	7	179	3.44	1310	5	ND	4	97	.3	341	7	87	.24	.029	21	15	.04	1046	.01	13	.58	.01	.12	1	84	4600
026363 DR	13	27	23	168	1.2	38	9	217	2.37	1206	5	ND	4	122	.8	293	2	76	.28	.022	17	15	.04	1627	.01	8	.48	.01	.10	1	390	4500
026364 DR	18	76	16	193	1.3	51	4	119	2.06	575	5	ND	3	272	1.0	181	2	154	.53	.078	11	29	.05	1552	.01	12	.56	.01	.13	1	98	5200
026365 DR	27	56	17	178	1.1	59	5	74	1.94	373	5	ND	4	152	1.0	163	2	184	.53	.043	14	21	.05	1857	.01	15	.47	.01	.13	1	52	5600
STANDARD C/AU-R	18	58	36	131	6.4	67	31	1054	3.98	40	17	7	36	52	18.8	15	17	52	.52	.093	37	55	.90	179	.07	35	1.89	.06	.14	12	480	1600

BCRC 90-188

BCRC 90-189

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	Hg ppb
026366 DR	16	39	27	192	1.8	46	6	228	2.13	926	5	ND	6	404	3.1	245	2	219	.77	.226	22	20	.05	1346	.01	14	.69	.01	.16	2	304	6600
026367 DR	9	26	26	340	1.2	36	11	683	3.66	2314	5	ND	12	182	3.2	289	2	80	.97	.121	42	19	.09	833	.01	6	.51	.01	.15	2	1235	3800
026368 DR	7	33	33	176	5.6	28	2	97	.84	277	5	ND	4	152	2.2	792	2	106	.37	.045	16	12	.05	730	.01	7	.39	.01	.14	2	428	8700
026369 DR	16	84	154	390	7.3	55	4	41	1.20	139	5	ND	3	271	2.5	634	2	269	.21	.146	10	37	.03	1453	.01	7	.63	.01	.08	3	228	5800
026370 DR	15	44	18	537	2.4	58	14	49	.69	44	5	ND	2	175	4.3	133	2	333	.11	.062	7	22	.04	1160	.01	8	.46	.01	.10	1	39	8200
026371 DR	17	42	19	337	2.1	45	6	38	.43	35	5	ND	2	83	6.2	75	2	270	.14	.027	9	20	.05	710	.01	9	.43	.01	.11	2	15	4300
026373 DR	4	31	37	159	.8	31	11	646	4.03	2090	5	ND	11	82	1.5	1076	2	36	.17	.041	45	15	.05	1115	.01	6	.80	.01	.15	1	1264	2300
026374 DR	7	63	33	286	.7	70	21	734	5.05	1004	5	ND	11	101	1.6	539	2	70	1.21	.060	40	60	.08	1565	.01	2	.75	.01	.11	2	494	2600
026375 DR	11	55	63	293	.8	72	18	501	4.29	681	5	ND	7	106	1.6	400	2	92	.59	.053	28	39	.05	747	.01	9	.74	.01	.16	1	323	3100
026376 DR	13	39	19	128	.5	38	6	175	2.42	258	5	ND	2	108	1.3	208	2	159	.30	.034	11	26	.04	304	.01	11	.51	.01	.19	1	57	1800
026377 DR	16	69	8	113	1.0	59	4	265	1.88	112	5	ND	1	288	1.4	162	2	205	.81	.266	9	27	.03	1186	.01	12	.75	.01	.15	1	26	1700
026378 DR	18	75	17	142	1.4	65	4	164	2.22	759	14	ND	2	303	1.6	216	2	211	.92	.317	11	33	.03	1142	.01	14	1.10	.02	.23	1	23	3500
026379 DR	19	47	25	130	.8	47	5	404	2.56	853	5	ND	4	188	1.1	227	2	160	.33	.091	16	18	.04	1058	.01	11	.60	.01	.15	1	58	2600
026380 DR	16	63	9	84	1.3	41	3	90	1.34	544	5	ND	1	237	1.2	139	3	163	.56	.138	6	22	.04	1463	.01	13	.60	.01	.16	2	29	6100
026381 DR	9	39	24	146	.7	47	8	262	3.22	1605	5	ND	7	98	.8	316	2	72	.16	.075	27	27	.03	1301	.01	8	.66	.01	.11	1	295	1600
026382 DR	12	36	34	249	.7	57	12	577	3.89	1714	5	ND	9	89	1.8	481	2	57	.17	.090	39	30	.03	969	.01	6	.74	.01	.12	1	380	1300
026383 DR	9	43	37	289	2.2	50	8	186	3.77	665	5	ND	9	73	1.9	1329	2	67	.09	.058	35	19	.03	800	.01	7	.67	.01	.11	1	314	1900
026384 DR	14	96	32	208	3.4	35	4	95	2.24	420	6	ND	4	279	7.1	11205	2	115	.16	.053	19	41	.02	434	.01	2	.51	.01	.07	1	361	2100
026385 DR	20	60	32	201	2.7	40	4	167	1.71	270	5	ND	3	235	4.2	2003	2	128	.21	.043	12	23	.04	850	.01	9	.63	.01	.14	1	238	5200
026386 DR	18	57	224	397	3.0	76	6	137	2.72	1221	5	ND	6	161	10.0	1010	2	105	.15	.053	21	43	.03	522	.01	7	.78	.01	.13	2	912	5100
026387 DR	12	32	44	417	1.0	57	6	269	2.23	1080	5	ND	5	119	6.4	497	2	75	.81	.034	19	18	.34	388	.01	4	.51	.01	.09	1	580	3600
026388 DR	17	82	56	246	.8	31	3	68	1.07	210	5	ND	4	57	2.0	402	3	80	.13	.016	13	46	.05	1009	.01	11	.49	.01	.13	1	47	5600
026389 DR	28	103	260	354	2.3	45	4	101	1.52	257	5	ND	3	98	3.4	786	3	135	.15	.038	10	31	.05	837	.01	8	.54	.01	.10	1	60	7300
026390 DR	22	66	89	516	2.6	57	5	205	1.30	154	6	ND	2	294	5.4	378	2	131	1.93	.070	7	61	.99	423	.01	7	.49	.01	.08	1	114	7500
026391 DR	21	74	41	527	2.5	91	9	79	.96	106	5	ND	2	215	3.5	217	2	340	.86	.261	11	37	.21	631	.01	12	.68	.01	.13	1	52	10400
026392 DR	10	35	16	58	.5	39	4	133	.98	257	5	ND	3	111	1.2	265	2	101	.31	.029	14	35	.05	1652	.01	6	.45	.01	.11	1	68	3500
026393 DR	16	58	33	185	.7	71	16	815	3.90	1442	5	ND	9	115	2.2	326	2	119	.23	.057	32	58	.05	1660	.01	6	.59	.01	.10	2	599	4100
026394 DR	20	48	27	238	.6	70	19	1197	4.78	2018	5	ND	13	82	2.5	357	2	86	.14	.064	43	76	.05	1896	.01	5	.69	.01	.10	2	570	6100
026395 DR	14	25	33	290	.3	51	16	1068	4.12	1474	5	ND	11	78	1.3	159	2	44	.12	.065	47	26	.05	1392	.01	9	.75	.01	.14	3	456	2800
026396 DR	12	29	34	258	.6	54	14	797	3.98	1909	5	ND	10	77	2.2	164	2	36	.15	.076	46	27	.05	1009	.01	9	.85	.01	.15	2	456	2100
026397 DR	9	26	34	288	.4	43	12	808	4.04	1085	5	ND	13	66	1.5	202	2	37	1.29	.117	52	23	.07	625	.01	8	.69	.01	.18	1	181	1800
026398 DR	11	33	42	367	.4	55	14	672	4.29	1235	5	ND	12	61	1.7	421	2	39	.42	.127	51	27	.06	573	.01	10	.78	.01	.18	1	95	1200
026399 DR	6	29	16	267	.3	44	11	523	3.70	629	5	ND	11	83	1.4	385	2	48	.31	.124	44	23	.05	481	.01	7	.66	.01	.19	2	71	1100
026400 DR	15	76	57	272	.7	55	18	754	2.61	363	5	ND	5	294	2.8	436	2	72	.18	.076	26	31	.06	711	.01	15	.85	.01	.23	1	61	2600
026401 DR	29	46	29	285	.5	55	9	349	2.26	294	5	ND	4	149	4.8	456	2	55	.21	.035	18	19	.05	858	.01	10	.56	.01	.18	2	30	4300
026402 DR	23	35	40	215	.8	42	4	180	1.53	260	5	ND	4	163	2.9	475	2	77	.18	.033	19	26	.04	879	.01	11	.55	.01	.16	1	55	3800
STANDARD C/AU-R	20	62	42	133	7.4	72	32	1061	4.00	41	17	8	38	52	18.4	16	20	59	.50	.093	40	60	.90	182	.08	39	1.90	.07	.14	12	520	1400

BCRC 90-190

BCRC 90-191

BERC 90-191

BERC 90-192

BERC 90-193

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	Hg ppb
026403 DR	29	47	47	235	3.0	46	3	144	1.26	202	5	ND	2	258	5.9	617	2	140	.27	.044	15	21	.05	788	.01	8	.46	.01	.11	1	160	5400
026404 DR	13	58	37	790	1.7	99	11	727	3.41	2151	5	ND	9	230	10.0	830	2	104	.20	.066	38	25	.04	1057	.01	8	.81	.01	.13	1	710	4000
026405 DR	22	51	32	499	2.5	70	7	394	2.23	795	5	ND	4	191	4.6	622	2	102	.23	.044	20	23	.04	931	.01	10	.51	.01	.11	1	380	5800
026406 DR	39	69	40	1263	1.6	152	25	1360	3.07	225	5	ND	1	115	8.1	574	2	141	1.39	.049	14	28	.04	1567	.01	8	.64	.01	.10	1	43	5700
026407 DR	22	42	47	550	1.3	68	9	476	1.64	151	5	ND	1	184	4.1	326	2	142	1.71	.097	11	26	.44	550	.01	11	.47	.01	.09	1	26	4500
026408 DR	15	48	25	485	1.5	70	8	572	2.74	1592	5	ND	5	298	4.5	386	2	98	2.07	.197	24	24	.59	75	.01	12	.64	.01	.12	1	670	4800
026409 DR	37	138	17	1070	3.2	134	8	373	2.01	292	5	ND	1	503	15.8	242	2	435	2.63	.466	16	72	1.09	631	.01	11	.89	.01	.13	1	92	10600
026410 DR	22	127	17	594	6.1	87	8	330	1.36	109	5	ND	1	630	11.1	180	2	603	2.05	.627	15	105	.59	2708	.01	13	1.00	.01	.15	2	68	8500
026411 DR	17	40	29	228	.6	55	8	224	2.42	1182	5	ND	3	135	1.8	324	2	118	.37	.051	19	20	.05	1833	.01	14	.50	.01	.13	1	36	2200
026412 DR	18	62	16	289	1.0	77	6	124	2.29	1373	5	ND	2	459	12.4	429	2	144	.42	.097	13	23	.05	646	.01	14	.76	.01	.20	1	10	3000
026413 DR	20	51	19	220	.8	59	4	93	2.68	1180	5	ND	2	170	1.5	537	2	162	.39	.053	13	22	.04	1139	.01	10	.43	.01	.13	1	35	4100
026414 DR	29	34	25	106	2.0	52	2	56	.85	204	5	ND	2	134	.9	258	2	199	.32	.030	15	16	.04	1087	.01	16	.40	.01	.16	1	18	10400
026415 DR	22	36	14	83	1.7	39	2	83	.89	460	5	ND	1	212	2.5	211	2	180	.29	.096	6	22	.02	1297	.01	13	.33	.01	.12	1	11	8300
026416 DR	16	89	12	168	2.5	41	3	77	1.42	1103	5	ND	1	706	6.0	586	2	319	1.02	.437	9	42	.04	1845	.01	17	.73	.01	.18	1	28	7800
026417 DR	21	75	21	291	1.9	59	6	131	2.39	920	5	ND	2	354	3.3	1179	2	288	.22	.109	15	28	.03	1957	.01	13	.57	.01	.13	1	71	6800
026418 DR	8	39	33	403	.8	58	10	125	3.80	764	5	ND	6	101	1.1	975	2	49	.11	.068	32	18	.03	1821	.01	11	.60	.01	.13	1	270	2800
026419 DR	8	70	39	594	.6	92	21	949	5.81	637	5	ND	10	227	4.4	861	2	93	2.61	.083	35	94	.45	1240	.01	8	.76	.01	.10	1	140	3800
026420 DR	6	88	29	499	.5	93	23	1134	5.93	758	5	ND	9	482	4.8	682	2	95	4.63	.111	37	113	1.38	935	.01	4	.80	.01	.06	1	260	4300
026421 DR	8	74	38	523	.4	93	21	1102	4.91	430	5	ND	9	450	5.6	841	2	88	3.03	.120	34	98	.83	401	.01	6	.91	.01	.09	1	110	3700
026422 DR	12	61	38	544	1.1	99	15	1307	3.81	400	5	ND	5	377	4.9	854	2	52	.97	.089	24	30	.33	103	.01	8	.68	.01	.12	1	220	4400
026423 DR	18	45	40	399	1.1	74	11	1350	2.11	282	5	ND	4	186	3.2	586	2	69	.51	.041	19	19	.16	367	.01	10	.47	.01	.11	1	130	4300
026424 DR	15	52	88	415	2.2	51	7	691	2.59	327	5	ND	3	213	3.1	601	2	54	2.30	.049	14	24	.96	447	.01	7	.40	.01	.09	1	91	4400
026425 DR	10	40	48	600	1.6	49	10	704	3.44	1276	5	ND	6	377	4.8	1494	2	47	2.83	.044	23	24	1.15	114	.01	7	.49	.01	.12	1	540	4600
026426 DR	18	75	114	529	2.1	67	11	501	3.18	923	5	ND	4	416	5.5	781	2	115	2.15	.071	18	40	.82	61	.01	10	.59	.01	.14	1	250	5900
026427 DR	16	102	75	547	2.3	68	14	927	3.79	2789	5	ND	6	533	11.2	634	2	136	4.03	.093	20	69	1.53	41	.01	7	.62	.01	.09	1	1130	7000
026428 DR	21	76	48	440	3.1	67	9	444	2.49	847	5	ND	3	353	11.2	497	2	178	1.59	.111	14	42	.57	81	.01	6	.54	.01	.07	2	490	5800
026429 DR	29	86	31	507	3.6	71	5	153	1.41	311	5	ND	2	466	10.0	264	2	353	.62	.307	13	63	.16	350	.01	11	.73	.01	.07	3	230	8500
026430 DR	23	54	23	307	1.9	71	9	154	2.62	442	5	ND	2	112	1.8	208	2	155	.26	.064	14	20	.04	2076	.01	10	.55	.01	.13	1	54	2500
026431 DR	21	43	24	240	1.2	71	6	218	2.18	335	5	ND	3	252	2.8	170	2	172	.36	.134	17	24	.04	2074	.01	16	.62	.01	.17	1	36	3600
026432 DR	29	70	19	515	1.7	112	11	437	3.52	950	5	ND	5	171	5.0	340	2	140	.30	.086	25	19	.04	1714	.01	12	.74	.01	.16	1	47	4500
026433 DR	33	43	20	257	1.1	72	6	137	2.43	590	5	ND	2	137	2.5	325	2	174	.42	.072	15	21	.04	2230	.01	14	.58	.01	.15	1	56	7300
026434 DR	28	64	33	547	1.3	116	12	187	3.38	719	5	ND	3	216	3.7	486	2	222	.38	.123	17	28	.05	2076	.01	18	.87	.01	.23	1	71	6800
STANDARD C/AU-R	19	61	38	135	7.1	73	31	1057	3.98	41	17	7	38	52	18.3	16	20	57	.52	.099	38	61	.90	183	.08	40	1.90	.07	.15	12	520	1400

GEOCHEMICAL ANALYSIS CERTIFICATE

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P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5

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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	Hg ppb
026435 DR	8	41	15	209	1.0	55	6	129	.91	177	5	ND	1	188	3.1	155	2	167	.51	.165	8	22	.04	2437	.01	11	.52	.01	.10	1	64	4200
026436 DR	7	41	20	232	.7	47	7	182	2.05	333	5	ND	4	244	3.4	173	3	184	.85	.329	16	25	.06	130	.01	11	.73	.01	.14	1	58	3300
026437 DR	5	46	32	317	1.3	45	13	514	3.66	1009	5	ND	5	165	5.3	4727	3	59	.90	.036	17	21	.35	16	.01	6	.40	.01	.08	1	290	3600
026438 DR	4	36	31	305	1.5	29	12	581	3.69	1412	5	ND	4	302	3.9	6107	2	37	2.15	.039	16	20	.91	27	.01	8	.45	.01	.10	1	490	2800
026439 DR	3	31	22	274	2.9	22	10	640	3.48	790	5	ND	2	473	2.3	7591	2	32	2.96	.020	11	18	1.32	22	.01	4	.34	.01	.09	1	960	2200
026440 DR	2	26	21	216	1.8	21	9	590	3.19	681	5	ND	3	457	2.4	2934	2	33	2.75	.043	11	19	1.22	24	.01	7	.35	.01	.08	1	350	2100
026441 DR	6	33	11	223	1.2	45	10	517	2.70	287	5	ND	2	450	1.8	714	2	31	8.57	.032	6	17	1.99	17	.01	6	.32	.01	.10	1	140	2400
026442 DR	11	39	15	360	.7	60	13	424	3.04	194	5	ND	2	271	1.4	217	2	33	4.64	.017	5	20	.90	12	.01	7	.32	.01	.12	1	130	3200
026443 DR	17	48	20	541	.8	65	11	335	1.84	61	5	ND	1	189	5.2	87	2	56	4.15	.010	3	18	.50	17	.01	5	.18	.01	.05	1	99	4100
026444 DR	17	46	22	525	.8	62	10	261	1.63	69	5	ND	1	166	4.0	114	2	50	3.74	.010	4	15	.35	21	.01	6	.20	.01	.07	1	91	3300
026445 DR	14	44	18	413	1.0	59	12	517	2.41	477	5	ND	2	233	4.0	65	2	41	4.74	.016	7	18	1.66	14	.01	4	.25	.01	.10	1	290	4300
026446 DR	14	41	39	378	1.0	48	10	471	2.48	2238	5	ND	3	220	5.5	150	2	49	2.85	.019	13	18	.88	20	.01	3	.25	.01	.08	1	3620	3200
026447 DR	9	38	78	374	1.5	45	10	616	2.97	896	5	ND	5	233	5.0	166	3	45	2.29	.028	16	20	1.00	31	.01	3	.32	.01	.07	1	1630	2700
026448 DR	8	31	36	299	1.1	40	10	683	2.91	1994	5	ND	5	333	4.2	199	2	46	2.78	.025	17	19	1.12	22	.01	4	.31	.01	.07	1	1950	3000
026452 DR	3	27	10	85	.9	20	2	113	1.47	253	5	ND	1	26	.2	94	2	10	.05	.017	2	6	.02	221	.01	3	.21	.01	.07	2	290	360
026453 DR	4	10	14	18	.8	12	1	202	.34	50	5	ND	1	22	.2	80	2	6	.05	.008	2	12	.02	205	.01	7	.18	.01	.07	1	360	470
026454 DR	3	12	11	25	.4	11	2	217	.62	102	5	ND	2	26	.2	29	2	7	.05	.011	3	7	.02	247	.01	5	.21	.01	.08	1	280	490
026455 DR	1	9	6	31	.6	5	1	51	.54	286	5	ND	1	26	.2	32	2	8	.06	.014	2	6	.02	201	.01	7	.15	.01	.07	1	460	520
026456 DR	6	16	11	49	.2	13	2	73	.91	266	5	ND	2	34	.2	55	2	11	.08	.015	2	34	.02	182	.01	6	.23	.01	.11	1	190	440
026457 DR	3	13	6	62	.3	7	2	80	1.05	284	5	ND	2	32	.2	43	2	8	.09	.013	2	6	.03	156	.01	7	.24	.01	.11	1	200	540
026458 DR	8	18	15	81	.3	18	3	114	1.20	300	5	ND	2	30	.2	74	3	11	.10	.017	3	37	.03	202	.01	8	.30	.01	.11	1	560	780
026459 DR	4	20	10	71	.3	10	2	87	1.04	197	5	ND	2	35	.2	65	2	10	.09	.017	2	9	.03	381	.01	4	.23	.01	.08	1	280	720
026460 DR	8	16	11	71	.2	24	3	69	.69	123	5	ND	1	32	.2	151	2	7	.04	.015	2	55	.01	564	.01	6	.19	.01	.07	1	120	540
026461 DR	2	33	16	95	.7	27	6	93	1.13	265	5	ND	1	99	.2	111	2	10	.07	.028	2	9	.02	719	.01	5	.29	.01	.08	1	460	730
026462 DR	7	36	16	88	.7	29	5	96	1.42	709	5	ND	2	127	.4	102	2	11	.10	.030	2	40	.03	545	.01	4	.37	.01	.13	1	760	780
026463 DR	2	21	10	51	.4	11	2	59	.93	438	5	ND	2	73	.2	56	2	9	.09	.019	2	8	.02	365	.01	4	.27	.01	.12	1	290	800
026464 DR	5	49	16	115	.6	28	7	155	2.86	672	5	ND	3	123	.2	66	3	16	.14	.035	4	25	.04	423	.01	9	.42	.01	.21	1	320	750
026465 DR	10	22	21	55	.8	9	3	77	1.60	375	5	ND	2	74	.4	108	2	11	.09	.018	2	6	.02	400	.01	8	.24	.01	.13	1	390	4900
026466 DR	11	7	10	15	.6	15	2	284	.59	62	5	ND	1	46	.2	49	2	6	.03	.015	2	59	.01	645	.01	4	.18	.01	.06	1	110	5400
026467 DR	3	9	19	20	.2	5	1	45	.76	125	5	ND	1	35	.2	44	3	7	.03	.009	2	6	.01	292	.01	5	.14	.01	.07	1	54	2500
026468 DR	12	12	5	29	.1	13	1	38	1.03	160	5	ND	1	23	.2	37	2	11	.03	.015	2	51	.01	167	.01	5	.12	.01	.04	1	48	600
026469 DR	4	9	12	24	.1	2	1	28	.83	145	5	ND	1	23	.2	26	2	9	.03	.011	2	6	.01	240	.01	4	.13	.01	.05	1	45	650
026470 DR	9	13	12	78	.2	16	2	43	1.43	180	5	ND	1	38	.4	34	2	13	.05	.019	2	50	.01	247	.01	6	.22	.01	.10	1	26	750
026471 DR	2	65	16	64	.2	24	6	92	1.82	586	5	ND	1	65	.6	77	2	13	.10	.026	2	8	.07	108	.01	6	.38	.01	.14	1	45	1100
026472 DR	5	51	3	24	.9	18	4	24	1.04	610	5	ND	1	24	.2	34	2	7	.04	.007	2	40	.01	41	.01	6	.19	.01	.08	1	76	1300
026473 DR	3	17	5	25	.3	9	2	21	.65	148	5	ND	1	25	.2	109	2	5	.03	.009	2	7	.01	162	.01	6	.12	.01	.05	1	73	600
STANDARD C/AU-R	18	59	45	131	7.0	69	32	1058	3.97	40	17	7	36	52	18.7	15	20	55	.51	.097	36	59	.91	180	.07	35	1.90	.06	.13	13	490	1300

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: CUTTING AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: SEP 21 1990 DATE REPORT MAILED: Sept 28/90 SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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	Hg ppb
026474 DR	1	9	4	13	.3	4	1	55	.57	55	5	ND	1	35	.2	42	3	6	.04	.009	2	8	.02	264	.01	7	.14	.01	.06	1	76	720
026475 DR	3	21	10	8	.2	13	1	11	.56	45	5	ND	1	34	.2	37	2	6	.02	.012	2	9	.01	268	.01	9	.15	.01	.06	1	49	2500
026476 DR	3	16	38	273	.4	29	12	933	4.28	102	5	ND	10	85	2.6	47	2	60	.10	.050	33	11	.04	1250	.01	7	.66	.01	.12	1	35	1800
026477 DR	5	14	36	279	.4	28	12	695	3.92	56	5	ND	12	82	2.3	33	2	46	.09	.060	40	12	.04	1202	.01	5	.63	.01	.11	1	18	1300
026478 DR	4	23	36	317	.4	33	13	1220	4.20	93	5	ND	10	89	3.1	69	2	57	.17	.053	36	13	.07	1246	.01	10	.70	.01	.12	1	26	1400
026479 DR	4	12	35	263	.4	25	12	1041	4.31	142	5	ND	10	80	1.4	55	3	48	.79	.049	40	13	.05	1202	.01	6	.57	.01	.12	1	23	1200
026480 DR	3	14	33	232	.5	20	11	981	4.16	335	5	ND	10	102	1.4	64	2	41	1.08	.045	37	14	.22	1009	.01	5	.59	.01	.11	1	110	1300
026481 DR	4	15	31	227	.4	21	11	904	4.04	59	5	ND	10	95	1.7	25	2	41	1.03	.051	37	16	.12	1050	.01	7	.55	.01	.10	2	17	1200
026482 DR	3	43	34	269	.5	39	19	1354	5.09	83	5	ND	11	140	1.3	25	2	73	3.24	.064	35	79	.45	1242	.01	6	.59	.01	.07	1	9	1800
026483 DR	6	22	37	425	.3	42	12	822	3.75	42	5	ND	9	146	3.3	26	5	66	1.45	.081	35	23	.18	1444	.01	6	.57	.01	.09	1	10	1100
026484 DR	5	22	35	522	.2	53	13	1008	3.69	52	5	ND	11	131	4.1	28	2	70	1.41	.074	42	26	.24	1184	.01	4	.54	.01	.08	1	5	1050
026485 DR	7	17	45	931	.4	88	10	830	4.12	45	5	ND	9	87	10.8	32	2	82	.47	.081	42	11	.05	1056	.01	10	.55	.01	.11	1	6	1200
026486 DR	8	14	39	1053	.3	101	10	930	4.34	34	5	ND	9	95	12.4	26	4	93	.40	.097	42	14	.05	1216	.01	10	.60	.01	.11	1	3	880
026487 DR	10	76	14	487	3.2	85	8	263	1.56	44	5	ND	2	588	9.1	22	2	246	1.15	.733	19	79	.04	6332	.01	13	.95	.01	.11	1	8	2900
026488 DR	6	36	12	248	2.4	38	4	149	1.28	28	5	ND	1	216	3.6	15	2	127	.17	.148	8	39	.02	2415	.01	8	.38	.01	.07	1	5	2200
026489 DR	5	44	11	289	2.0	46	5	132	1.60	36	5	ND	1	49	2.0	18	2	53	.10	.048	7	22	.02	564	.01	8	.22	.01	.05	1	8	1500
026490 DR	14	144	18	885	3.6	126	7	144	2.69	62	5	ND	3	225	5.0	24	2	276	.17	.193	20	68	.05	2976	.01	12	.67	.01	.12	1	4	3800
026491 DR	25	94	17	472	2.1	63	6	82	1.69	52	5	ND	3	358	14.6	24	2	451	.32	.302	17	46	.06	3288	.01	12	.80	.01	.12	1	7	2200
026492 DR	19	59	11	182	2.0	32	4	48	.97	31	5	ND	1	363	8.8	15	2	674	.22	.295	10	83	.04	4294	.01	15	.73	.01	.12	1	9	2500
026493 DR	14	147	13	484	3.1	109	8	42	1.26	32	5	ND	1	619	9.4	32	2	404	1.47	.992	15	99	.05	7307	.01	18	1.06	.01	.12	1	1	3700
026494 DR	49	194	12	5074	2.5	202	6	82	1.04	51	5	ND	1	286	76.4	37	2	1807	.80	.421	19	146	.19	2858	.01	18	.79	.01	.16	1	1	7800
026495 DR	17	109	9	1679	2.7	104	4	139	1.50	48	5	ND	1	424	24.5	33	2	664	4.35	1.120	15	103	1.57	30	.01	17	.69	.01	.15	1	2	4500
026496 DR	6	67	2	328	2.7	60	4	285	3.48	35	5	ND	1	328	1.5	18	2	102	4.73	.614	8	86	2.47	12	.01	17	.44	.01	.09	2	2	2900
026497 DR	21	125	9	502	2.0	109	3	182	1.27	31	5	ND	1	397	3.6	19	3	242	4.79	1.140	12	80	1.81	33	.01	23	.66	.01	.17	1	1	3200
026498 DR	10	48	8	285	.7	57	9	275	2.63	26	5	ND	2	188	1.7	16	2	61	2.80	.051	3	38	1.69	21	.01	13	.35	.01	.12	1	3	2100
026499 DR	1	33	10	122	.4	29	8	516	2.89	12	5	ND	2	191	.4	13	2	19	4.32	.025	3	21	2.74	31	.01	10	.36	.01	.15	1	2	1100
026500 DR	7	40	38	383	.4	45	12	828	3.79	160	5	ND	8	115	3.1	106	2	67	.50	.103	30	40	.22	1059	.01	8	.90	.01	.12	1	37	1200
026501 DR	5	32	25	373	1.0	39	11	713	3.71	286	5	ND	9	85	3.9	461	2	64	.18	.083	31	19	.08	1573	.01	7	.66	.01	.10	1	330	1400
026502 DR	10	19	17	92	1.4	20	2	196	1.77	1302	5	ND	2	62	1.0	230	2	47	.19	.029	10	52	.07	282	.01	5	.51	.01	.15	1	2350	2500
026503 DR	6	21	17	77	2.0	12	2	155	1.85	1343	5	ND	1	75	.9	296	2	68	.19	.024	9	15	.06	174	.01	5	.41	.01	.13	1	1390	4600
026504 DR	12	58	21	96	1.3	21	2	111	2.78	1697	5	ND	1	143	1.1	138	2	117	.18	.028	7	67	.07	117	.01	7	.72	.01	.25	1	620	4300
026505 DR	8	55	19	43	1.4	11	1	43	1.85	738	5	ND	1	119	.8	239	2	136	.07	.018	4	25	.03	638	.01	4	.49	.01	.14	1	360	5800
026506 DR	8	18	14	22	2.0	8	1	22	1.17	297	5	ND	1	82	.3	338	2	90	.03	.015	4	27	.02	718	.01	7	.54	.01	.14	1	910	6400
026507 DR	10	23	19	59	1.7	11	2	64	1.86	359	5	ND	1	51	.6	526	2	104	.04	.016	4	17	.02	891	.01	4	.49	.01	.09	1	670	4600
026508 DR	13	38	20	64	1.0	14	3	68	1.81	294	5	ND	1	56	.9	468	2	113	.04	.022	4	37	.03	1535	.01	5	.53	.01	.09	1	230	5400
026509 DR	12	19	20	36	.7	11	1	34	1.12	145	5	ND	1	50	.2	121	2	79	.02	.022	4	17	.02	1028	.01	4	.49	.01	.10	1	81	5000
STANDARD C/AU-R	18	60	41	131	7.0	69	32	1058	3.99	40	18	7	36	53	18.6	16	19	56	.51	.097	37	60	.90	180	.07	36	1.90	.06	.13	13	530	1400

BERC 90-185

BERC 90-186

BCRC 90-196

BCRC 90-197

BCRC 90-198

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	[illegible] ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	[illegible] ppb	Hg ppb
026510 DR	13	34	17	105	.6	16	2	65	2.95	194	5	ND	1	52	.5	133	2	121	.05	.024	3	24	.03	852	.01	17	.48	.01	.09	1	360	4600
026511 DR	11	47	30	174	.6	33	4	40	4.36	210	5	ND	2	62	2.9	656	2	117	.10	.027	7	37	.04	970	.01	6	.55	.01	.10	1	400	3500
026512 DR	6	53	38	436	.4	78	22	781	4.77	99	5	ND	9	188	4.0	325	2	76	1.07	.047	30	69	.33	901	.01	4	.57	.01	.08	2	310	2300
026513 DR	3	15	33	265	.2	24	9	765	3.64	27	5	ND	6	277	1.4	26	2	31	2.50	.039	26	15	.85	541	.01	6	.42	.01	.10	1	210	1100
026514 DR	10	74	15	336	2.4	62	6	157	1.73	40	7	ND	2	385	4.4	33	2	207	.70	.353	12	52	.12	2048	.01	11	.67	.01	.09	1	39	1700
026515 DR	6	69	9	234	2.2	46	4	58	1.33	32	5	ND	1	304	5.6	26	2	139	.67	.337	8	42	.14	381	.01	9	.55	.01	.09	1	15	1200
026516 DR	29	265	7	1654	3.6	99	3	50	.92	46	11	ND	1	446	26.2	32	2	1213	2.76	1.388	22	117	.12	95	.01	21	.96	.01	.20	1	20	3600
026517 DR	30	144	10	1447	3.0	132	4	82	1.07	32	14	ND	1	369	31.3	16	2	646	1.88	.806	12	67	.12	42	.01	29	.73	.01	.18	1	7	2800
026518 DR	24	139	8	1238	3.6	135	3	263	1.06	42	8	ND	1	362	21.2	20	2	520	2.51	.887	12	84	.34	43	.01	24	.68	.01	.17	1	6	2200
026519 DR	9	92	39	449	.6	58	10	652	3.63	227	5	ND	5	90	4.3	304	2	80	.33	.088	21	24	.15	1069	.01	3	.73	.01	.09	1	120	1300
026520 DR	18	50	18	82	1.7	23	3	54	1.90	257	5	ND	1	64	.3	123	2	58	.13	.023	3	14	.03	990	.01	8	.36	.01	.11	1	850	2500
026521 DR	19	32	16	38	.7	12	1	27	2.00	204	5	ND	1	47	.4	83	2	43	.17	.013	2	10	.03	162	.01	5	.33	.01	.20	1	250	3000
026522 DR	9	26	13	150	.7	29	6	164	3.32	496	5	ND	1	43	.6	47	2	47	.12	.022	2	17	.04	640	.01	6	.48	.01	.16	1	440	2200
026523 DR	12	67	20	131	1.6	23	3	66	2.26	497	5	ND	1	128	.7	91	2	62	.15	.068	4	14	.03	290	.01	3	.48	.01	.19	1	400	2900
026524 DR	8	63	21	71	.7	15	2	30	1.77	849	5	ND	1	64	.3	139	2	39	.11	.024	2	13	.04	362	.01	4	.48	.01	.21	1	350	3500
026525 DR	2	116	15	27	3.7	19	2	26	1.43	1375	5	2	1	35	1.0	4915	2	43	.12	.016	3	15	.03	949	.01	6	.42	.01	.15	1	6010	3800
026526 DR	1	81	7	19	7.7	8	1	17	.69	102	5	ND	1	14	1.0	16797	4	29	.05	.004	4	9	.01	17	.01	4	.25	.01	.07	1	2810	4100
026527 DR	4	38	15	57	3.3	18	1	22	.74	375	5	ND	1	99	.7	6378	2	90	.02	.067	10	20	.01	83	.01	2	.26	.01	.04	1	1630	8200
026528 DR	17	84	11	295	2.7	58	3	34	1.18	326	5	ND	2	318	2.2	1922	2	194	.30	.285	13	37	.01	638	.01	2	.57	.01	.05	1	330	6500
026529 DR	10	71	7	178	1.4	42	1	9	.56	132	5	ND	1	197	15.3	308	2	196	.51	.273	6	28	.01	635	.01	3	.36	.01	.04	1	99	6200
026530 DR	8	56	2	145	1.7	39	2	8	.53	130	5	ND	1	210	8.7	205	2	256	.78	.365	7	37	.02	693	.01	4	.38	.01	.06	1	150	4500
026531 DR	12	66	9	192	1.6	53	2	11	.78	151	5	ND	1	194	2.8	164	2	204	.61	.322	7	30	.01	883	.01	3	.40	.01	.05	1	74	6300
026532 DR	15	87	3	162	2.0	41	3	16	.73	127	5	ND	2	283	1.9	124	2	266	.88	.442	11	45	.02	814	.01	2	.43	.01	.07	1	35	5200
026533 DR	12	103	2	324	2.5	69	3	43	.90	97	7	ND	2	320	3.7	88	2	248	1.16	.555	12	61	.03	1080	.01	5	.51	.01	.07	1	18	4000
026534 DR	12	79	2	253	1.7	55	2	52	.74	41	5	ND	2	149	12.9	56	2	177	.94	.297	9	34	.19	180	.01	2	.34	.01	.05	1	17	4400
026535 DR	10	40	20	100	1.6	29	2	54	.80	88	5	ND	1	70	3.0	96	2	68	.30	.070	3	16	.07	744	.01	4	.33	.01	.09	1	440	2300
026536 DR	9	47	17	219	2.5	29	4	42	1.91	1012	5	ND	1	118	.8	42	2	62	.19	.049	2	13	.03	269	.01	2	.34	.01	.15	1	1920	2800
026537 DR	8	230	18	509	.6	88	20	249	3.87	889	5	ND	1	67	4.1	42	2	32	.13	.036	3	11	.03	1060	.01	2	.61	.01	.15	1	710	1800
026538 DR	7	68	24	102	1.2	31	4	56	1.28	186	5	ND	1	62	1.7	43	2	52	.18	.030	3	18	.04	1459	.01	4	.50	.01	.13	1	320	4700
026539 DR	7	33	17	78	1.7	19	2	31	1.93	3615	5	ND	2	154	2.3	448	2	69	.13	.027	8	18	.03	581	.01	3	.38	.01	.15	1	3360	4300
026540 DR	6	15	11	24	.9	10	1	20	1.03	401	5	ND	1	67	.4	340	2	57	.07	.020	2	11	.03	674	.01	3	.28	.01	.12	1	820	3200
026541 DR	5	24	38	37	2.2	13	2	25	1.51	1311	5	ND	2	51	1.3	6081	2	51	.07	.016	10	15	.03	133	.01	5	.38	.01	.14	1	2830	4200
026542 DR	3	53	37	56	7.3	13	3	39	2.13	5581	5	9	1	67	5.9	15187	2	30	.04	.020	21	15	.01	73	.01	2	.36	.01	.09	1	9860	5600
026543 DR	3	33	30	117	1.9	21	6	77	3.43	6352	5	6	7	53	4.7	3562	2	37	.01	.018	29	14	.01	403	.01	2	.39	.01	.08	1	6150	2800
026544 DR	4	47	29	79	2.1	20	4	56	2.67	6285	5	5	8	99	5.0	1429	2	41	.01	.024	36	14	.01	452	.01	4	.51	.01	.11	1	8780	3200
026545 DR	4	34	54	159	3.5	24	5	50	2.79	3979	5	4	5	64	5.1	7757	3	76	.01	.038	33	22	.01	232	.01	2	.50	.01	.07	1	6980	3600
STANDARD C/AU-R	19	62	39	131	7.3	72	31	1059	3.99	40	17	7	37	53	18.5	16	22	56	.51	.094	37	60	.90	181	.07	37	1.89	.07	.13	11	530	1500

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	Hg ppb
026546 DR	8	96	38	565	2.7	64	13	286	4.07	3159	5	ND	6	133	5.6	3334	2	63	.13	.041	28	31	.05	636	.01	6	.89	.01	.08	1	2930	1300
026547 DR	6	78	36	791	.4	80	19	864	4.82	424	5	ND	8	152	13.8	284	2	48	.71	.047	28	21	.34	997	.01	7	1.26	.01	.11	1	210	350
026548 DR	12	52	20	323	1.1	50	7	353	2.51	294	5	ND	4	230	6.4	296	2	96	.93	.133	20	22	.32	662	.01	9	.70	.01	.14	1	290	330
026549 DR	9	38	29	591	.7	52	10	753	3.41	117	5	ND	8	378	5.7	133	2	103	2.86	.157	32	33	1.13	888	.01	7	.71	.01	.12	1	160	620
026550 DR	14	65	29	811	1.4	110	10	559	2.84	153	5	ND	5	373	10.3	146	2	138	1.89	.191	23	36	.80	653	.01	8	.99	.01	.10	1	78	1200
026551 DR	9	150	21	139	1.9	37	5	136	1.59	418	5	ND	3	383	1.7	466	2	97	.46	.106	8	21	.09	1760	.01	9	.65	.01	.12	1	630	2000
026552 DR	10	83	43	240	.6	49	9	90	2.62	317	5	ND	1	93	1.0	118	2	56	.23	.045	2	13	.04	1670	.01	6	.54	.01	.13	1	98	1600
026553 DR	8	38	33	105	.3	27	7	240	1.98	1036	7	ND	5	90	4.7	158	3	56	.25	.049	21	19	.05	1057	.01	9	.60	.01	.15	1	480	2500
026554 DR	7	102	31	227	.2	69	13	309	3.05	1427	5	ND	6	69	10.9	98	2	51	.15	.034	25	20	.04	1055	.01	8	.76	.01	.12	1	280	2100
026555 DR	4	21	46	197	.1	37	12	1083	3.94	1036	5	ND	9	55	6.5	104	2	40	.18	.029	38	14	.03	742	.01	8	.55	.01	.09	1	130	900
026556 DR	4	17	30	171	.2	33	11	810	4.13	1864	5	ND	10	65	4.0	247	2	37	.46	.034	43	14	.04	859	.01	9	.61	.01	.11	2	290	1500
026557 DR	7	31	28	257	.4	53	12	479	3.70	2134	5	ND	7	78	4.3	429	2	63	.20	.041	32	17	.03	853	.01	6	.62	.01	.09	1	240	2600
026558 DR	5	23	68	354	.9	43	12	251	3.45	1164	5	ND	8	59	2.4	434	2	50	.11	.031	30	17	.02	1594	.01	8	.54	.01	.08	2	140	3600
026559 DR	6	19	72	361	.5	36	14	1057	4.10	1897	5	ND	9	73	4.0	483	2	33	.42	.036	35	14	.09	691	.01	7	.52	.01	.09	1	440	2100
026560 DR	4	19	36	276	.9	26	6	137	1.77	718	5	ND	5	105	2.4	536	2	63	.17	.029	21	16	.04	1170	.01	9	.62	.01	.12	1	540	3700
026561 DR	3	38	26	54	1.5	23	3	37	.69	514	5	ND	1	61	3.0	15991	2	86	.20	.018	5	14	.02	237	.01	7	.32	.01	.08	1	1260	3600
026562 DR	18	60	15	204	2.7	73	6	57	1.17	403	7	ND	2	392	3.8	1879	2	313	.23	.212	11	54	.09	3731	.01	11	.97	.01	.09	1	140	6400
026563 DR	8	56	32	627	.7	70	12	707	3.63	273	5	ND	6	285	13.5	521	2	81	1.84	.109	24	24	.75	257	.01	11	.99	.01	.11	1	49	2000
026564 DR	8	29	34	593	.1	53	13	888	4.23	123	5	ND	8	301	5.0	248	2	44	2.87	.095	26	21	1.11	415	.01	9	.71	.01	.13	1	34	630
STANDARD C/AU-R	18	58	37	131	6.8	71	31	1060	3.99	39	18	7	37	52	18.5	14	20	56	.53	.093	35	60	.90	179	.07	38	1.90	.06	.13	12	510	1500

BERC 90 - 199

ACME ANALYTICAL LABORATORIES

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9009-068 File # 90-4700

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5

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	Hg ppb
026566 DR	8	76	48	207	.9	45	9	337	2.67	821	5	ND	6	138	3.6	761	2	77	.26	.084	23	26	.11	1312	.01	9	.83	.01	.15	1	350	2500
026567 DR	5	74	47	318	.6	91	19	534	3.91	1152	5	ND	11	77	14.7	356	2	46	.14	.071	44	18	.05	1080	.01	8	.80	.01	.11	1	370	2700
026568 DR	4	69	34	273	.9	63	15	670	3.27	1615	5	ND	11	108	12.9	199	2	40	.27	.063	40	16	.05	1060	.01	8	.78	.01	.12	1	540	3400
026569 DR	6	30	27	103	1.0	26	6	170	1.54	765	5	ND	4	179	6.1	259	2	81	.22	.052	14	19	.04	1578	.01	13	.52	.01	.12	1	300	4900
026570 DR	6	28	38	349	.8	47	14	811	3.99	1516	5	ND	13	76	6.6	545	2	50	.26	.097	43	20	.05	1249	.01	8	.67	.01	.08	2	380	4000
026571 DR	4	32	44	343	.9	43	12	384	3.85	2198	5	ND	8	82	7.1	6313	2	41	.21	.063	34	16	.03	468	.01	7	.68	.01	.10	1	520	4200
026572 DR	7	33	25	175	.7	34	7	165	2.64	1329	5	ND	5	107	3.0	897	2	46	.24	.032	17	14	.06	642	.01	7	.57	.01	.16	2	410	2800
026573 DR	3	31	58	89	1.7	18	3	102	1.41	1929	5	ND	2	78	2.3	9543	2	44	.19	.019	15	12	.05	100	.01	10	.58	.01	.17	1	3620	3700
026574 DR	4	27	27	43	1.1	14	2	43	.78	767	5	ND	2	80	.9	1347	2	76	.13	.019	5	13	.05	931	.01	13	.59	.01	.16	2	720	5400
026575 DR	5	36	35	71	2.4	23	3	101	1.52	2800	5	ND	5	99	2.7	7135	2	58	.15	.050	26	17	.04	340	.01	10	.54	.01	.11	1	3310	3600
026576 DR	6	43	39	56	6.1	25	4	63	1.45	4019	5	4	5	178	2.9	8637	2	93	.09	.059	32	35	.03	718	.01	9	.65	.01	.08	1	7970	7300
026577 DR	18	70	19	131	3.4	52	4	64	1.52	1603	5	ND	4	825	2.8	1500	2	279	.57	.423	18	60	.04	2177	.01	15	1.21	.01	.12	1	1120	6400
026578 DR	10	55	26	842	1.2	65	12	699	3.69	311	5	ND	7	403	11.3	257	2	90	1.63	.185	26	27	.69	157	.01	11	.81	.01	.13	1	90	1700
026579 DR	6	30	37	546	.7	47	13	868	4.04	236	5	ND	9	324	4.4	294	2	47	2.13	.115	29	22	1.01	563	.01	13	.75	.01	.14	1	160	920
026580 DR	5	46	37	300	.8	58	14	634	3.75	1336	5	ND	8	99	6.2	406	2	50	.42	.070	33	21	.22	1309	.01	6	.94	.01	.13	2	700	2000
026581 DR	6	50	118	415	.9	73	14	600	3.80	1727	5	ND	9	99	5.6	803	2	45	.20	.059	36	19	.08	1240	.01	6	.74	.01	.11	2	870	2800
026582 DR	6	47	46	280	.7	51	12	381	3.49	1422	5	ND	5	100	3.3	495	2	43	.33	.039	19	16	.12	933	.01	8	.72	.01	.16	1	410	2300
026583 DR	7	46	39	175	.5	39	8	158	3.04	1616	5	ND	3	134	1.8	208	2	45	.27	.033	10	16	.09	549	.01	10	.81	.01	.24	1	140	2400
026584 DR	4	68	49	236	2.3	52	13	317	3.96	5296	5	2	13	102	5.3	3064	2	50	.14	.035	44	22	.04	923	.01	5	.71	.01	.11	1	2520	3600
026585 DR	4	40	44	237	1.4	34	11	364	4.11	2587	5	2	7	77	3.3	8457	4	35	.11	.055	38	13	.03	436	.01	5	.55	.01	.08	1	1820	3900
026586 DR	3	30	38	216	1.1	30	12	434	3.97	4116	5	2	7	79	3.4	9844	2	27	.16	.086	43	10	.03	494	.01	7	.57	.01	.09	1	1760	2800
026587 DR	5	27	35	302	1.5	45	19	1412	5.05	2710	5	3	19	184	1.8	3610	4	45	.46	.057	58	27	.21	554	.01	5	.53	.01	.06	1	2160	5800
026588 DR	5	25	18	142	1.4	29	10	511	2.57	1828	5	2	9	355	2.1	3343	2	33	.71	.019	26	21	.37	335	.01	4	.40	.01	.03	1	2010	3000
026589 DR	13	44	31	381	1.6	73	10	468	2.92	1277	5	ND	6	313	4.4	1953	2	125	.62	.139	24	30	.13	754	.01	11	.73	.01	.07	1	600	4100
026590 DR	7	23	30	362	.5	40	12	806	3.98	466	5	ND	8	199	3.0	561	2	38	2.35	.109	29	14	.50	200	.01	10	.71	.01	.12	1	68	1100
026591 DR	6	24	31	281	.4	43	14	931	4.13	374	5	ND	8	217	3.0	473	2	33	1.85	.102	27	28	.67	52	.01	9	.71	.01	.11	1	60	1200
026592 DR	5	32	36	309	.5	50	16	1069	4.46	360	5	ND	9	301	2.4	351	2	47	2.74	.098	31	65	1.06	48	.01	8	.71	.01	.11	1	50	1400
026593 DR	4	21	39	240	.5	31	12	859	4.05	191	5	ND	10	250	1.2	185	2	34	2.50	.097	30	24	.96	149	.01	6	.72	.01	.13	1	40	1100
026594 DR	2	18	35	165	.4	14	9	767	3.48	78	5	ND	10	254	.7	85	2	31	2.86	.084	30	16	1.12	448	.01	7	.64	.01	.12	2	26	700
026595 DR	2	16	26	139	.4	13	9	732	3.46	57	5	ND	10	251	.7	65	2	28	2.97	.107	32	17	1.16	288	.01	8	.55	.01	.14	1	31	1100
STANDARD C/AU-R	18	60	42	131	7.2	67	32	1058	3.97	38	17	7	36	52	18.6	14	19	55	.50	.095	36	58	.91	180	.07	36	1.90	.06	.14	13	510	1600

BCRC 90-200

BCRC 90-201

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: CUTTING AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: SEP 21 1990 **DATE REPORT MAILED:** Sept 29/90 **SIGNED BY** ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9010-004 File # 90-4792 Page 1

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5

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	Hg ppb
026596 DR	7	47	38	258	.9	55	13	461	3.64	1764	5	ND	8	166	2.9	1292	3	66	.88	.067	28	31	.32	861	.01	7	.74	.01	.14	1	1100	2600
026597 DR	6	48	45	219	2.0	45	13	338	4.49	3462	5	2	12	122	2.4	6140	5	50	.56	.057	45	21	.19	669	.01	6	.74	.01	.14	1	2520	1900
026598 DR	6	38	25	150	1.5	29	6	147	3.07	2435	5	ND	8	160	2.1	5107	2	50	.28	.035	25	14	.07	439	.01	5	.41	.01	.13	2	1720	3800
026599 DR	7	40	24	90	.7	22	3	74	2.49	1396	5	ND	3	290	2.0	1035	2	71	.24	.030	8	14	.07	193	.01	10	.53	.01	.23	1	920	4000
026600 DR	6	46	20	233	.5	36	7	72	2.39	1280	5	ND	6	252	1.8	429	3	43	.18	.036	24	7	.03	607	.01	5	.52	.01	.17	1	480	2500
026601 DR	5	35	31	319	1.0	50	17	578	4.53	3558	5	ND	10	132	3.5	3792	2	47	.15	.038	32	32	.03	689	.01	3	.55	.01	.10	1	2200	5600
026602 DR	4	17	32	270	.4	43	18	1126	4.17	2316	5	ND	12	72	3.4	753	2	28	.14	.064	45	14	.03	785	.01	3	.56	.01	.09	1	870	3300
026603 DR	4	25	34	217	1.7	34	12	733	3.97	3758	5	2	14	76	2.3	2356	2	35	.19	.056	45	11	.03	812	.01	2	.52	.01	.07	1	2740	3200
026604 DR	4	35	25	224	2.3	38	9	616	2.90	1947	5	ND	6	165	9.6	10137	2	53	.37	.049	28	17	.08	529	.01	2	.52	.01	.03	1	2120	2100
026605 DR	17	56	11	94	2.1	23	4	94	.93	526	5	ND	1	725	3.7	1637	2	235	.34	.260	10	38	.04	2545	.01	10	.65	.01	.10	1	210	3100
026606 DR	21	71	12	149	2.7	52	3	104	1.37	1116	5	ND	3	867	6.1	1136	2	364	.61	.360	13	65	.05	1647	.01	11	.87	.01	.13	1	19	4400
026607 DR	27	146	13	266	3.7	103	4	99	1.51	868	5	ND	2	686	3.8	862	2	956	1.74	.780	20	98	.07	2020	.01	12	.96	.01	.15	1	85	3200
026608 DR	11	87	43	261	1.9	74	11	465	3.35	562	5	ND	7	379	2.5	550	2	263	1.38	.478	36	61	.22	1936	.01	9	.97	.01	.10	1	41	1600
026609 DR	4	20	31	152	.2	26	12	794	3.60	214	5	ND	8	265	1.0	116	4	44	2.13	.054	28	15	.90	304	.01	4	.51	.01	.08	1	34	580
026610 DR	5	15	30	243	.1	38	13	780	3.61	265	5	ND	9	152	2.5	161	2	37	1.34	.052	31	14	.38	596	.01	6	.66	.01	.10	1	38	480
026611 DR	3	11	34	184	.1	28	10	899	3.59	151	5	ND	11	192	1.3	116	2	36	1.74	.061	30	8	.75	363	.01	5	.52	.01	.10	1	23	430
026612 DR	4	23	22	306	.1	38	13	1051	3.71	127	5	ND	11	216	1.9	96	2	35	1.90	.064	34	10	.83	797	.01	2	.55	.01	.09	1	11	500
026613 DR	2	18	23	197	.3	25	11	838	3.49	97	5	ND	12	318	2.0	51	2	26	2.68	.058	34	8	1.24	856	.01	2	.51	.01	.09	1	2	560
026614 DR	3	16	35	231	.2	23	12	834	3.69	111	5	ND	11	272	1.5	65	2	29	2.56	.059	32	16	1.20	887	.01	2	.57	.01	.10	1	8	600
026615 DR	6	50	46	294	.9	61	14	572	4.21	3176	5	ND	14	125	4.6	2281	2	69	.50	.144	38	31	.14	1264	.01	3	.90	.01	.11	1	1430	2300
026616 DR	6	49	34	284	1.1	56	13	571	4.11	2839	5	ND	12	128	4.6	2396	5	68	.55	.100	33	30	.17	1058	.01	3	.90	.01	.12	1	1760	2200
026617 DR	4	29	25	343	1.1	40	12	416	3.90	1873	5	2	10	68	3.1	3414	3	57	.15	.033	36	21	.04	1365	.01	6	.54	.01	.06	1	1510	2300
026618 DR	4	55	26	292	8.0	41	9	536	3.05	2302	5	3	1	94	6.2	17770	4	44	.34	.027	31	25	.03	487	.01	7	.49	.01	.06	1	3880	4300
026619 DR	3	25	33	330	1.2	29	14	839	3.71	1625	5	2	11	118	2.0	6741	2	41	1.04	.030	37	16	.10	883	.01	6	.54	.01	.07	1	1280	2000
026620 DR	2	24	23	175	1.8	18	9	661	3.36	4110	5	3	12	176	1.5	1181	2	31	1.21	.027	37	10	.29	709	.01	7	.39	.01	.07	1	3220	2500
026621 DR	2	23	27	178	1.5	17	9	585	3.14	4408	5	3	11	194	1.0	1601	2	29	1.48	.028	35	11	.41	597	.01	6	.43	.01	.07	2	3060	2700
026622 DR	3	21	40	170	1.1	23	9	549	2.89	3322	5	ND	10	164	.9	4263	2	25	1.47	.036	35	16	.31	566	.01	5	.48	.01	.08	1	1470	3100
026623 DR	6	30	41	285	1.4	51	11	505	3.37	3576	5	ND	9	110	3.5	2913	2	41	.27	.036	32	12	.06	1004	.01	3	.58	.01	.09	1	1560	1800
026624 DR	6	56	22	334	3.8	47	9	270	2.24	994	5	ND	1	244	7.8	18417	2	108	.30	.080	13	25	.04	128	.01	4	.50	.01	.04	1	850	4800
026625 DR	18	63	18	288	3.0	53	5	82	1.55	741	5	ND	2	560	7.6	4356	2	346	.27	.253	11	50	.03	3556	.01	4	.67	.01	.05	1	190	7600
026626 DR	18	92	27	485	1.7	97	19	714	3.76	705	5	ND	8	604	6.3	1187	2	273	2.19	.241	37	164	.46	2055	.01	10	.74	.01	.07	1	180	6800
026627 DR	12	58	16	299	1.6	64	9	250	2.22	551	5	ND	4	430	4.6	284	2	208	1.27	.336	20	50	.19	722	.01	11	.71	.01	.11	1	98	3800
026628 DR	9	47	30	240	1.8	45	6	320	1.59	283	5	ND	3	429	6.5	426	2	183	1.01	.344	17	34	.11	644	.01	10	.63	.01	.11	1	91	4000
026629 DR	15	79	25	349	2.0	81	8	327	1.78	230	5	ND	2	453	5.7	200	2	345	1.49	.406	19	61	.30	1246	.01	12	.70	.01	.11	1	26	6200
026630 DR	10	58	55	352	.9	56	13	675	3.51	178	5	ND	10	395	4.7	121	2	98	2.87	.263	32	52	1.15	67	.01	4	.82	.01	.12	1	25	1100
026631 DR	5	26	31	218	.2	32	10	641	3.49	132	5	ND	8	326	1.6	134	2	48	2.30	.097	28	15	1.13	250	.01	7	.61	.01	.10	1	32	1400
STANDARD C/AU-R	18	59	40	131	6.7	72	32	1058	3.98	41	22	7	37	53	18.8	14	17	56	.50	.095	37	58	.91	182	.07	37	1.90	.06	.14	12	530	1500

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: P1 TO P5 CUTTING P6 CORE AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: SEP 25 1990 DATE REPORT MAILED: Oct 1/90. SIGNED BY ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

BCRC 90-202

BCRC 90-203

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	Hg ppb
026632 DR	3	12	25	142	.1	19	11	679	3.45	96	5	ND	1	339	2.0	118	2	36	2.66	.088	24	9	1.22	395	.01	6	.45	.01	.08	1	42	600
026633 DR	2	9	27	132	.1	17	10	651	3.41	71	5	ND	1	266	1.9	100	2	30	2.29	.070	25	7	1.17	175	.01	3	.38	.01	.08	1	48	460
026634 DR	2	13	15	122	.1	16	11	672	3.31	66	5	ND	1	242	1.9	114	2	30	2.25	.065	29	14	1.21	330	.01	2	.46	.01	.08	1	40	780
026635 DR	1	14	32	110	.3	11	10	775	3.51	68	5	ND	1	310	1.4	113	2	25	2.75	.055	29	9	1.47	550	.01	3	.39	.01	.08	2	39	450
026636 DR	2	13	27	139	.1	16	11	735	3.38	127	5	ND	1	226	1.2	94	2	29	2.42	.040	26	10	1.25	529	.01	2	.38	.01	.07	2	40	620
026637 DR	3	14	29	134	.2	11	9	757	3.41	274	5	ND	1	257	2.2	526	2	33	2.46	.043	24	11	1.24	438	.01	2	.38	.01	.08	1	150	720
026638 DR	3	12	26	103	.2	14	10	737	3.29	125	5	ND	1	262	1.7	75	2	28	2.44	.032	24	17	1.26	452	.01	2	.41	.01	.08	1	37	480
026639 DR	9	59	39	340	.5	87	25	843	5.32	1444	5	ND	1	133	5.1	319	2	96	.51	.135	31	85	.08	1544	.01	3	.67	.01	.06	3	320	2600
026640 DR	4	21	39	315	.4	41	13	577	3.78	1653	5	ND	1	57	5.0	1447	3	31	.29	.033	29	20	.07	552	.01	4	.46	.01	.07	2	760	2500
026641 DR	4	18	22	277	.7	33	11	605	3.57	3238	5	2	1	62	4.3	1936	2	30	.22	.032	35	13	.03	912	.01	2	.38	.01	.06	2	2120	1800
026642 DR	3	22	26	191	1.9	23	8	1009	4.05	4447	5	7	1	170	3.4	2055	2	49	2.39	.023	32	21	.83	840	.01	2	.36	.01	.04	2	9040	2200
026643 DR	3	18	36	184	1.9	26	9	758	3.10	2222	5	2	1	104	2.4	1540	2	36	2.32	.024	34	17	.62	509	.01	2	.38	.01	.06	3	2460	2300
026644 DR	7	24	21	250	1.8	39	11	497	3.81	2608	5	2	1	54	3.2	3437	2	36	.36	.024	26	12	.09	342	.01	2	.34	.01	.05	2	3140	1900
026645 DR	5	23	37	243	.7	35	11	674	3.46	2795	5	2	1	77	2.6	2037	2	27	.29	.026	30	14	.08	679	.01	2	.34	.01	.07	2	1790	2800
026646 DR	6	26	51	287	1.8	34	12	649	3.43	2093	5	ND	1	140	2.1	10404	2	32	.73	.026	23	19	.27	331	.01	2	.32	.01	.06	2	1560	3200
026647 DR	4	32	47	580	1.9	30	10	780	3.25	1838	5	2	1	209	6.2	13998	2	36	1.40	.026	20	17	.66	304	.01	2	.35	.01	.06	2	2340	2400
026648 DR	5	26	26	392	2.2	44	8	623	2.54	1012	5	ND	1	231	6.1	2270	2	97	.83	.082	13	20	.39	475	.01	2	.39	.01	.04	2	850	4500
026649 DR	17	36	14	264	2.6	49	6	188	1.86	466	5	ND	1	254	4.2	1033	2	229	.35	.146	10	26	.09	2925	.01	4	.44	.01	.06	1	310	6500
026650 DR	10	33	6	105	2.0	36	4	70	.75	206	5	ND	1	420	2.9	287	2	243	.47	.321	8	64	.04	4440	.01	7	.59	.01	.06	2	130	6100
026651 DR	6	37	16	136	1.7	28	4	328	1.42	1419	5	ND	1	386	5.1	217	2	143	1.10	.196	10	21	.39	495	.01	4	.44	.01	.05	1	2120	4200
026652 DR	15	61	10	249	2.4	46	6	170	1.46	498	5	ND	1	370	5.3	370	2	400	1.06	.478	15	47	.08	2584	.01	14	.64	.01	.11	2	450	8100
026653 DR	15	104	4	358	1.7	58	5	79	1.26	258	5	ND	1	481	8.9	210	3	413	1.81	.869	16	80	.10	2352	.01	12	.67	.01	.10	1	100	3800
026654 DR	3	25	21	235	.1	46	15	703	7.60	41	5	ND	1	91	3.3	14	10	111	.37	.469	24	50	1.07	224	.17	4	5.70	.05	.25	1	85	2500
026655 DR	3	84	33	341	1.5	55	7	412	2.65	133	5	ND	1	304	5.3	106	2	60	1.89	.292	16	28	.68	113	.01	2	.54	.01	.08	1	70	1700
026656 DR	2	16	23	164	.1	16	9	691	3.20	81	5	ND	1	251	4.2	71	2	36	2.39	.044	22	9	1.22	603	.01	2	.38	.01	.08	2	69	1100
026657 DR	3	19	25	225	.1	21	11	668	3.08	113	5	ND	1	231	4.2	81	2	39	2.29	.068	17	12	1.00	613	.01	2	.41	.01	.07	1	78	1300
026658 DR	4	20	19	266	.2	24	9	644	2.76	72	5	ND	1	189	3.1	54	2	52	1.95	.130	20	29	.75	889	.01	2	.51	.01	.07	2	47	2000
026659 DR	3	18	20	242	.2	21	10	690	2.88	76	5	ND	1	166	2.4	80	2	55	1.68	.101	18	20	.70	980	.01	2	.50	.01	.07	1	60	1900
026660 DR	3	12	23	199	.1	14	9	747	3.01	58	5	ND	1	212	1.6	59	2	39	2.31	.056	18	9	1.04	691	.01	2	.38	.01	.08	1	40	1300
026661 DR	3	14	17	179	.1	18	10	709	3.01	61	5	ND	1	239	1.8	68	2	32	2.17	.042	23	9	1.12	667	.01	2	.36	.01	.08	2	48	1100
026662 DR	6	65	20	460	1.3	70	5	352	1.94	70	5	ND	1	299	3.1	61	4	61	1.91	.389	15	59	.55	83	.01	3	.50	.01	.08	1	25	1700
026663 DR	8	46	21	516	.5	94	14	1288	3.33	1648	5	ND	1	100	5.7	149	2	76	.75	.086	16	19	.31	310	.01	2	.77	.01	.09	1	200	2400
026664 DR	12	29	29	350	.3	49	10	366	3.27	1525	5	ND	1	68	6.1	127	2	54	.17	.056	36	10	.04	1033	.01	3	.47	.01	.08	2	600	2000
026665 DR	6	43	27	438	.1	60	22	956	4.63	994	5	ND	1	110	3.6	197	2	56	2.00	.046	37	65	.55	1252	.01	2	.47	.01	.06	3	91	1600
026666 DR	5	24	31	323	.2	52	15	823	3.88	1458	5	ND	1	85	3.0	270	4	41	1.43	.029	29	32	.35	642	.01	2	.49	.01	.06	2	1280	2200
026667 DR	4	21	24	273	.4	38	12	786	3.53	1973	5	2	1	84	3.0	299	2	37	1.44	.025	28	17	.21	704	.01	2	.44	.01	.07	2	2160	2400
STANDARD C/AU-R	19	59	40	132	6.7	67	32	1055	3.97	42	18	7	38	53	19.2	15	18	56	.49	.096	37	57	.91	181	.07	35	1.89	.06	.14	13	500	1300

BCRC 90-204

BCRC 90-205

BCRC 90-205

BCRC 90-206

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	Hg ppb
026668 DR	5	26	44	362	.9	53	13	708	3.62	1947	5	ND	12	80	3.6	1306	2	45	.66	.039	36	23	.11	751	.01	2	.62	.01	.08	2	1470	4400
026669 DR	7	25	39	399	.6	54	16	758	4.14	1617	5	ND	12	62	3.2	1091	5	33	.23	.044	43	16	.06	676	.01	4	.63	.01	.11	2	730	2300
026670 DR	20	46	19	372	1.4	61	9	474	2.96	1007	5	ND	5	112	4.7	1009	2	86	.26	.049	18	21	.08	934	.01	5	.53	.01	.09	3	220	3800
026671 DR	6	22	28	285	1.0	35	11	679	3.55	1709	5	ND	7	277	3.1	949	3	29	1.87	.035	24	13	.84	296	.01	4	.50	.01	.10	1	1140	3200
026672 DR	5	21	27	366	1.8	35	10	563	3.21	1751	5	2	6	271	3.2	3234	3	43	1.77	.026	17	19	.99	185	.01	2	.46	.01	.06	1	2450	2500
026673 DR	4	25	21	509	2.2	37	8	599	2.32	1557	5	2	3	195	3.9	7729	2	47	1.24	.024	13	16	.68	181	.01	4	.31	.01	.04	1	2480	2300
026674 DR	13	42	14	282	2.8	41	7	501	1.47	767	5	ND	2	449	2.8	1535	2	201	.51	.204	11	38	.19	2823	.01	8	.59	.01	.05	2	880	6500
026675 DR	11	33	12	174	2.5	34	5	94	.88	225	5	ND	1	616	1.9	375	2	321	.28	.343	9	48	.06	5813	.01	8	.77	.01	.06	2	120	8600
026676 DR	16	82	16	308	4.4	58	5	119	1.34	234	7	ND	1	587	1.4	307	2	462	1.03	.592	16	105	.13	2758	.01	10	.84	.01	.10	3	18	13000
026677 DR	8	143	9	401	3.5	92	5	117	1.27	114	7	ND	2	452	2.0	161	2	154	2.16	1.001	15	119	.16	118	.01	11	.75	.01	.09	2	12	7000
026678 DR	8	218	41	505	3.6	92	8	254	2.15	178	5	ND	2	363	7.3	129	2	179	1.21	.526	16	103	.23	80	.01	9	.80	.01	.08	1	58	6800
026679 DR	5	74	42	388	1.0	49	13	807	3.64	101	5	ND	7	344	5.8	68	6	86	3.03	.205	23	54	1.33	130	.01	5	.75	.01	.09	1	56	3100
026680 DR	3	30	38	235	.2	30	11	807	3.46	89	5	ND	7	336	5.0	68	2	50	2.52	.071	23	21	1.19	367	.01	4	.50	.01	.10	1	17	1600
026681 DR	3	28	25	219	.4	22	10	742	3.39	67	5	ND	7	264	2.4	77	2	45	2.33	.098	23	15	1.11	612	.01	4	.56	.01	.11	1	30	1100
026682 DR	2	12	28	280	.2	18	11	811	3.61	74	5	ND	9	262	1.2	46	2	39	2.41	.049	25	13	1.19	369	.01	3	.56	.01	.11	1	34	780
026683 DR	4	23	36	262	.4	25	13	826	3.82	121	5	ND	9	265	1.8	145	2	48	2.53	.084	24	19	1.21	686	.01	4	.58	.01	.09	1	56	900
026684 DR	3	17	25	322	.2	22	13	802	3.71	56	5	ND	10	238	1.8	71	2	43	2.55	.112	25	15	1.12	581	.01	3	.67	.01	.11	1	26	1050
026685 DR	3	16	23	555	.5	22	12	801	3.46	67	5	ND	10	267	2.2	112	2	35	2.53	.126	31	11	1.03	291	.01	2	.52	.01	.13	1	47	1200
026686 DR	2	8	23	229	.1	16	11	787	3.56	34	5	ND	10	273	1.2	60	2	31	2.62	.101	32	10	1.29	350	.01	5	.50	.01	.13	1	41	200
026687 DR	13	98	13	149	2.7	39	3	146	1.45	63	5	ND	2	324	4.6	35	2	365	1.46	.713	15	75	.09	2967	.01	9	.75	.01	.10	1	9	1300
026688 DR	15	101	11	184	3.1	42	4	117	1.25	68	15	ND	3	311	6.4	29	2	424	1.19	.617	19	62	.07	2801	.01	13	.74	.01	.11	1	13	2500
026689 DR	11	64	28	717	1.3	73	9	519	3.32	80	5	ND	11	143	9.5	27	6	158	.42	.241	43	31	.05	1353	.01	7	.72	.01	.10	1	3	1500
026690 DR	8	29	31	660	.5	72	13	876	3.92	68	5	ND	13	68	10.3	25	2	76	.25	.143	54	23	.05	580	.01	8	.57	.01	.10	1	12	1300
026691 DR	9	34	28	702	.6	75	15	907	3.96	80	5	ND	13	103	9.4	22	3	77	.31	.200	49	26	.03	761	.01	7	.73	.01	.09	1	14	1700
026692 DR	10	33	37	917	.5	84	17	905	4.35	68	5	ND	14	103	9.0	18	3	74	.25	.189	52	27	.04	823	.01	6	.75	.01	.09	1	3	1200
026693 DR	23	106	37	491	2.4	80	6	289	2.18	61	5	ND	4	289	8.9	23	2	353	.92	.448	25	56	.05	2086	.01	11	.80	.01	.12	2	3	2600
026694 DR	16	63	30	716	1.0	94	7	173	4.16	118	5	ND	7	112	4.8	25	2	110	.19	.167	30	19	.04	1062	.01	11	.74	.01	.14	2	9	2300
026695 DR	23	46	27	683	.5	88	16	614	3.81	198	5	ND	9	186	4.5	23	2	417	.60	.362	45	86	.05	1233	.01	9	.93	.01	.16	1	33	1300
026696 DR	13	85	52	1012	.4	142	31	1568	7.12	139	5	ND	24	159	10.6	27	4	134	.19	.247	80	127	.05	2058	.01	4	.80	.01	.06	2	3	1200
026697 DR	7	27	36	460	.3	47	13	404	4.69	112	5	ND	13	91	4.4	26	2	65	.12	.134	51	23	.04	937	.01	4	.67	.01	.10	1	4	1500
026698 DR	5	20	28	379	.2	35	13	926	4.44	31	5	ND	13	81	4.2	18	2	49	.72	.101	43	14	.06	952	.01	4	.72	.01	.14	1	1	650
026699 DR	4	14	36	273	.1	26	11	925	3.65	30	5	ND	11	123	2.7	16	2	50	1.40	.072	30	15	.48	939	.01	5	.85	.01	.12	1	1	630
026700 DR	5	17	32	358	.3	44	14	1190	3.91	38	5	ND	12	122	3.5	32	2	53	1.41	.083	34	14	.45	872	.01	4	.65	.01	.11	1	3	1200
026701 DR	6	15	32	306	.1	30	12	1449	4.40	35	5	ND	12	104	3.2	22	5	48	1.82	.110	35	14	.35	649	.01	4	.79	.01	.13	1	2	1300
026702 DR	4	15	35	209	.2	20	11	1025	3.87	21	5	ND	11	138	2.0	19	2	44	2.20	.078	30	12	.65	776	.01	3	.67	.01	.11	1	1	820
026703 DR	4	14	27	194	.2	22	11	880	3.86	76	5	ND	9	297	2.1	17	2	37	2.38	.081	28	12	.91	470	.01	7	.65	.01	.11	1	3	1600
STANDARD C/AU-R	18	57	38	131	6.5	70	31	1052	3.96	44	20	7	36	52	18.0	15	19	52	.46	.092	37	55	.89	179	.08	33	1.89	.06	.14	11	490	1500

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	Hg ppb
026704 DR	4	16	34	198	.4	24	9	856	3.48	43	5	ND	8	266	1.5	16	2	42	2.47	.083	26	16	.91	503	.01	8	.62	.01	.12	1	3	1100
026705 DR	4	11	37	209	.4	22	9	948	3.74	38	5	ND	7	278	2.0	17	2	34	2.76	.051	21	14	1.04	264	.01	7	.53	.01	.12	1	36	900
026706 DR	5	16	30	298	.6	27	8	818	3.23	38	5	ND	6	190	2.6	16	2	45	2.69	.050	19	15	.99	292	.01	8	.48	.01	.11	1	6	820
026707 DR	10	35	61	237	2.7	33	6	550	3.08	92	5	ND	4	276	1.8	24	2	70	1.81	.085	16	17	.66	166	.01	10	.46	.01	.11	1	13	1100
026708 DR	3	8	27	201	.4	18	8	835	3.71	102	5	ND	7	361	1.1	54	2	27	3.02	.025	20	12	1.14	234	.01	9	.44	.01	.13	1	3	930
026709 DR	4	10	66	271	.6	24	8	1052	3.34	268	5	ND	6	319	2.3	32	2	37	2.82	.035	20	15	1.04	298	.01	8	.46	.01	.13	1	12	1200
026710 DR	4	9	25	276	.5	28	9	1081	3.62	75	5	ND	6	352	2.2	23	2	37	3.17	.031	19	13	1.21	183	.01	8	.46	.01	.13	1	2	1100
026711 DR	4	13	28	288	.7	31	10	1098	3.66	101	5	ND	5	335	2.6	30	2	43	2.87	.032	16	15	1.15	83	.01	8	.48	.01	.12	1	4	1600
026712 DR	8	28	48	343	.7	37	11	1194	4.35	387	5	ND	11	150	4.1	443	2	56	.88	.054	34	20	.30	749	.01	11	.86	.01	.15	1	210	2400
026713 DR	6	21	39	278	.5	27	9	440	4.07	182	5	ND	11	86	1.2	142	2	42	.28	.043	39	14	.11	787	.01	13	.78	.01	.13	1	66	2800
026714 DR	4	21	34	271	.4	22	8	280	4.12	126	8	ND	11	60	.9	85	2	37	.17	.034	36	11	.07	583	.01	11	.64	.01	.11	1	14	1800
026715 DR	3	17	36	247	.2	20	7	258	4.04	91	8	ND	10	52	.9	26	2	38	.07	.030	34	7	.04	541	.01	11	.59	.01	.09	1	6	1600
026716 DR	4	15	36	234	.2	27	15	1419	3.95	41	5	ND	10	47	2.9	20	2	36	.08	.025	32	9	.04	600	.01	9	.56	.01	.09	2	5	1100
026717 DR	3	15	32	246	.2	22	13	1261	3.84	104	5	ND	10	57	3.1	20	2	35	.16	.027	34	11	.06	644	.01	10	.53	.01	.09	1	12	1300
026718 DR	4	18	32	275	.3	31	18	1320	3.68	79	5	ND	9	80	2.8	22	2	45	.06	.046	33	12	.04	1020	.01	11	.63	.01	.08	1	11	1800
026719 DR	3	14	25	201	.1	20	11	912	3.78	54	5	ND	9	50	1.5	24	2	35	.06	.028	29	8	.03	598	.01	8	.55	.01	.08	1	11	2100
026720 DR	3	14	30	209	.3	21	13	867	4.11	79	5	ND	10	50	1.4	18	2	34	.06	.029	35	10	.03	619	.01	10	.53	.01	.09	1	12	1600
026721 DR	3	10	31	188	.2	21	12	1146	3.84	43	5	ND	10	52	1.5	16	2	37	.05	.031	37	11	.03	787	.01	10	.53	.01	.09	1	6	920
026722 DR	3	16	30	134	.1	18	10	936	3.85	41	5	ND	9	59	1.2	21	3	31	.20	.035	35	9	.04	764	.01	9	.55	.01	.11	1	3	600
026723 DR	3	19	29	194	.1	21	10	1048	3.63	124	5	ND	8	83	1.2	23	2	36	.69	.049	32	12	.08	859	.01	11	.57	.01	.10	1	9	680
026724 DR	3	20	29	220	.2	15	9	792	4.05	149	5	ND	10	63	1.5	25	2	26	.09	.044	40	7	.04	854	.01	11	.56	.01	.12	2	21	700
026725 DR	6	16	37	375	.3	33	9	384	4.33	101	9	ND	11	57	1.7	33	2	31	.07	.041	44	6	.04	723	.01	9	.53	.01	.11	1	12	1050
026726 DR	4	10	33	225	.1	18	8	354	4.07	84	8	ND	10	50	.5	30	2	26	.05	.032	41	4	.04	657	.01	10	.60	.01	.11	1	17	950
026727 DR	2	8	25	174	.3	16	8	845	3.92	67	5	ND	9	151	.7	24	2	24	.76	.023	30	8	.28	175	.01	14	.60	.01	.13	1	7	850
026728 DR	2	9	34	137	.3	11	8	788	3.75	98	5	ND	8	241	.6	34	2	22	1.16	.023	25	9	.52	133	.01	11	.48	.01	.12	1	12	910
026729 DR	3	11	36	232	.3	24	12	1402	4.21	129	5	ND	7	140	1.1	43	2	26	.54	.021	26	10	.21	139	.01	11	.44	.01	.10	1	15	1300
026730 DR	5	12	30	257	.2	23	7	344	4.21	119	9	ND	7	79	.4	38	3	30	.21	.031	25	9	.09	449	.01	11	.51	.01	.10	1	9	760
026731 DR	7	15	39	300	.2	28	8	422	4.11	127	6	ND	6	103	1.3	43	2	27	.33	.026	23	8	.16	272	.01	11	.59	.01	.11	1	8	600
026732 DR	4	14	33	216	.2	22	9	633	3.97	125	5	ND	7	135	1.2	27	2	27	.50	.025	24	11	.22	192	.01	12	.51	.01	.11	1	4	900
026733 DR	4	12	32	226	.3	23	8	717	3.46	95	5	ND	7	202	1.5	36	2	22	.94	.024	24	9	.41	120	.01	12	.49	.01	.12	1	11	780
026734 DR	10	14	29	467	.2	37	7	454	3.47	129	8	ND	9	76	2.1	76	2	24	.27	.034	35	6	.11	534	.01	11	.56	.01	.11	1	20	700
026735 DR	8	19	24	411	.2	37	8	691	3.28	109	5	ND	6	215	1.7	29	3	36	1.53	.035	23	13	.65	149	.01	12	.50	.01	.11	1	9	730
026736 DR	6	16	30	316	.2	28	8	596	3.03	158	6	ND	5	310	.8	33	2	27	2.05	.028	15	17	.88	125	.01	11	.41	.01	.10	1	3	1500
026737 DR	8	16	27	367	.3	30	9	618	3.40	311	6	ND	4	440	1.1	62	2	25	2.21	.037	16	16	.99	87	.01	10	.41	.01	.10	1	13	1300
026738 DR	10	18	35	435	.2	36	8	585	3.08	398	8	ND	4	304	1.2	35	2	41	2.23	.035	15	16	.93	149	.01	10	.47	.01	.11	1	4	1200
026739 DR	6	15	33	329	.3	22	7	637	3.08	168	5	ND	5	245	.9	33	2	29	1.79	.027	17	12	.79	125	.01	12	.46	.01	.12	1	18	1050
STANDARD C/AU-R	18	59	39	131	7.0	72	31	1057	3.97	41	16	8	36	53	18.6	16	22	56	.50	.097	37	57	.91	180	.07	36	1.90	.06	.13	11	540	1400

BEC 90-207

BCRC 90-208

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	Hg ppb
026740 DR	6	13	40	334	.1	23	7	810	3.21	475	5	ND	6	257	2.0	33	2	29	2.11	.028	21	7	.86	172	.01	10	.57	.01	.13	1	36	650
026741 DR	29	60	25	418	1.0	89	6	617	2.10	147	5	ND	3	101	1.7	81	2	313	.23	.063	18	33	.09	1404	.01	10	.59	.01	.11	1	39	1300
026742 DR	18	25	36	425	.5	61	12	865	4.08	95	5	ND	10	77	2.5	59	2	73	.16	.049	36	17	.08	1004	.01	7	.78	.01	.11	1	24	680
026743 DR	16	27	34	553	.2	70	15	1344	4.36	140	5	ND	11	87	2.7	37	2	88	.52	.058	44	32	.07	1216	.01	2	.79	.01	.10	2	14	1200
026744 DR	9	58	31	296	.1	66	23	1490	5.08	91	5	ND	15	124	2.4	37	2	101	4.58	.067	43	105	.26	1349	.01	2	.64	.01	.03	1	12	2400
026745 DR	6	60	32	233	.1	53	22	1371	5.02	106	5	ND	16	189	1.5	34	2	102	5.26	.079	46	118	.92	1474	.01	2	.76	.01	.02	1	13	2200
026746 DR	16	17	45	725	.3	85	17	1092	4.61	136	5	ND	15	75	2.0	56	2	38	.36	.052	44	18	.09	1028	.01	2	.63	.01	.10	1	5	1600
026747 DR	11	15	107	759	.6	76	15	978	4.39	128	5	ND	14	76	2.8	64	2	35	.49	.052	44	11	.08	1119	.01	6	.65	.01	.10	1	9	1200
026748 DR	10	13	42	735	.3	67	17	803	4.38	163	5	ND	13	60	2.6	60	2	41	.18	.040	42	14	.07	827	.01	5	.59	.01	.09	1	5	3200
026749 DR	8	17	31	533	.5	48	11	682	4.26	117	5	ND	11	55	2.2	33	2	48	.39	.029	36	26	.06	619	.01	5	.57	.01	.08	1	10	2500
026750 DR	17	15	40	545	.3	52	11	1017	4.72	129	5	ND	12	56	2.7	55	2	56	.08	.046	38	24	.05	708	.01	8	.53	.01	.08	1	13	1800
026751 DR	12	20	35	497	.2	57	13	1657	4.00	80	5	ND	10	68	3.0	38	2	49	.85	.030	34	19	.20	625	.01	7	.57	.01	.09	1	7	1800
026752 DR	16	25	41	395	.7	35	9	295	4.69	126	5	ND	13	57	2.9	31	6	39	.09	.031	42	13	.05	587	.01	7	.52	.01	.09	1	11	2000
026753 DR	14	14	43	562	.3	44	12	921	4.41	95	5	ND	14	86	4.7	23	5	36	.39	.041	47	7	.19	727	.01	7	.53	.01	.10	1	4	3300
026754 DR	7	10	94	356	.4	22	9	825	3.64	117	5	ND	10	138	4.0	23	2	34	1.47	.031	34	8	.61	643	.01	8	.58	.01	.10	1	3	2600
026755 DR	10	11	86	435	.5	32	9	835	3.53	108	5	ND	9	162	4.1	22	2	42	1.37	.030	31	8	.57	546	.01	2	.48	.01	.10	1	4	3400
026756 DR	12	7	45	437	.2	34	11	839	3.51	57	5	ND	9	206	3.3	17	2	33	1.94	.021	29	9	.73	397	.01	8	.42	.01	.11	1	3	2300
026757 DR	12	11	50	377	.3	37	11	868	3.45	114	5	ND	7	275	3.3	30	2	35	1.74	.025	24	10	.73	327	.01	7	.52	.01	.10	1	9	3100
026758 DR	12	23	50	309	.4	39	9	848	3.34	97	5	ND	6	332	2.3	25	3	69	2.23	.035	22	11	.94	111	.01	7	.55	.01	.11	1	13	1900
026759 DR	7	14	42	232	.2	21	9	818	3.53	60	5	ND	8	371	2.1	23	2	30	2.40	.040	22	7	1.01	55	.01	10	.61	.01	.12	1	9	2000
026760 DR	9	7	34	272	.2	18	10	865	3.82	86	5	ND	7	410	2.0	24	2	28	2.09	.018	17	5	1.02	52	.01	10	.54	.01	.10	1	7	1900
026761 DR	10	11	125	263	.5	16	10	803	3.74	91	5	ND	7	462	2.3	26	2	22	2.11	.026	18	5	1.03	51	.01	8	.55	.01	.12	1	15	1400
026762 DR	11	10	35	346	.1	28	9	817	3.58	92	5	ND	8	345	2.8	38	2	29	2.55	.046	28	9	1.04	324	.01	6	.52	.01	.10	1	26	1300
STANDARD C/AU-R	18	57	38	131	6.3	69	31	1054	3.97	45	20	7	36	52	19.2	15	20	55	.48	.089	37	56	.90	179	.07	33	1.89	.06	.14	13	540	1500

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9010-011 File # 90-4978 Page 1

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5

BCRC 90-209

BCRC 90-210

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	Hg ppb
026763 DR	1	92	29	486	1.3	80	15	386	3.26	206	7	ND	5	241	1.1	122	2	221	.07	.167	34	110	.02	3292	.01	6	.57	.01	.03	4	29	6400
026764 DR	2	160	48	819	1.2	139	30	927	5.63	290	18	ND	12	175	3.3	64	6	222	.05	.121	58	178	.01	2315	.01	5	.65	.01	.02	2	10	5600
026765 DR	9	111	38	739	1.4	97	15	439	3.70	177	6	ND	7	147	1.5	51	2	434	.08	.095	32	63	.03	1892	.01	7	.59	.01	.09	1	24	4700
026766 DR	4	49	27	710	.5	75	13	402	3.54	288	6	ND	8	135	1.8	60	2	175	.13	.081	37	30	.04	1799	.01	7	.59	.01	.09	3	63	1500
026767 DR	2	35	43	775	.4	67	11	441	3.90	226	13	ND	11	90	3.3	66	2	59	.07	.063	46	17	.04	1028	.01	4	.52	.01	.08	2	43	1300
026768 DR	2	19	52	728	.2	65	13	770	4.04	70	7	ND	12	79	4.9	63	2	44	.06	.059	44	15	.05	1066	.01	7	.53	.01	.10	2	12	500
026769 DR	0	15	35	621	.2	50	10	745	4.09	49	11	ND	13	76	3.4	51	2	46	.25	.056	41	12	.05	894	.01	7	.50	.01	.10	1	24	460
026770 DR	8	14	26	557	.2	50	11	815	3.57	60	8	ND	12	83	3.5	65	2	41	.98	.047	39	12	.11	821	.01	4	.54	.01	.11	1	13	480
026771 DR	9	10	27	544	.1	48	10	864	3.59	33	5	ND	11	93	2.6	37	2	37	.75	.054	40	8	.14	817	.01	4	.50	.01	.10	1	15	520
026772 DR	8	14	34	625	.3	50	15	1201	4.17	62	9	ND	12	82	2.9	67	2	38	.19	.051	42	10	.07	997	.01	5	.48	.01	.09	1	3	380
026773 DR	5	15	33	271	.2	27	11	1077	3.38	27	5	ND	11	129	2.3	34	2	41	1.85	.037	32	10	.45	763	.01	4	.52	.01	.10	1	14	640
026774 DR	1	27	41	614	.3	64	13	2152	3.73	70	7	ND	11	102	3.3	61	2	37	.67	.046	37	15	.16	894	.01	3	.49	.01	.10	2	25	540
026775 DR	5	13	26	646	.1	68	12	1523	3.89	44	5	ND	12	79	3.4	23	2	35	.49	.047	40	20	.18	801	.01	3	.49	.01	.08	1	10	660
026776 DR	9	51	30	511	.2	75	23	1648	4.86	195	5	ND	14	215	2.6	33	2	76	3.15	.071	38	97	1.20	1167	.01	4	.49	.01	.04	2	13	1300
026777 DR	2	24	28	880	.1	87	13	583	4.41	321	5	ND	11	105	4.0	32	2	36	.59	.062	41	30	.23	902	.01	2	.50	.01	.07	1	6	1100
026778 DR	2	19	29	778	.2	77	11	477	3.93	209	5	ND	11	111	3.3	24	2	36	.60	.059	41	35	.24	902	.01	4	.54	.01	.08	2	7	1400
026779 DR	3	62	163	319	2.2	25	9	465	2.37	682	5	ND	8	92	5.2	4207	4	52	.86	.034	19	19	.02	593	.01	3	1.17	.01	.05	2	779	5800
026780 DR	2	38	149	773	1.5	24	13	1389	3.22	770	5	ND	9	115	9.3	7822	2	57	.08	.036	23	21	.03	649	.01	5	.99	.01	.05	1	884	4700
026781 DR	3	21	142	999	2.6	29	15	2238	3.54	2938	14	3	12	116	6.6	1769	4	34	.08	.033	31	13	.02	657	.01	6	.92	.01	.07	3	3924	3600
026782 DR	2	42	83	679	6.1	19	12	930	3.13	3541	5	8	1	137	3.4	20705	2	32	.12	.020	19	17	.02	155	.01	3	.56	.01	.06	2	8579	5200
026783 DR	2	29	78	329	3.8	15	11	934	2.78	4090	5	7	1	138	1.4	19029	3	32	.12	.034	20	13	.02	74	.01	3	.58	.01	.04	3	7819	5400
026784 DR	2	18	50	203	.6	13	10	1204	3.71	713	5	ND	14	225	1.1	1042	2	57	1.21	.065	32	22	.27	900	.01	5	.61	.01	.05	2	532	4800
026785 DR	2	26	292	309	8.6	12	9	1016	3.08	2473	5	2	9	126	3.2	1846	3	38	.32	.029	21	14	.08	633	.01	5	.46	.01	.05	1	238	31000
026786 DR	2	23	135	277	2.0	15	10	1539	3.17	1246	11	ND	15	180	1.6	1579	2	50	1.17	.110	48	23	.29	278	.01	3	.56	.01	.07	1	1226	3800
026787 DR	2	20	107	206	1.3	19	11	1210	3.25	821	5	ND	14	142	1.4	1162	2	52	1.22	.097	50	20	.30	214	.01	3	.56	.01	.05	1	1083	2900
026788 DR	2	20	65	228	1.1	14	11	1069	3.96	420	19	ND	16	162	1.7	817	2	66	1.12	.099	61	25	.22	424	.01	2	.55	.01	.04	2	599	3400
026789 DR	2	17	158	273	1.8	12	8	1402	3.29	3663	5	2	11	187	2.0	444	2	39	1.75	.049	24	17	.53	149	.01	5	.45	.01	.06	1	3506	10800
026790 DR	2	18	202	474	3.1	13	9	1596	3.34	4437	5	3	9	289	5.1	193	2	19	2.42	.029	15	7	.63	39	.01	6	.36	.01	.09	2	3905	9300
026791 DR	1	13	88	302	1.6	9	8	1859	2.68	1365	5	2	9	400	2.6	4343	2	24	3.11	.053	21	9	.91	67	.01	5	.38	.01	.07	1	1093	4600
026792 DR	2	16	278	401	1.7	10	9	1342	2.70	1808	8	ND	10	380	3.0	1044	4	23	2.44	.083	23	9	.68	73	.01	3	.37	.01	.08	1	1511	6400
026793 DR	1	15	478	286	2.9	8	8	1626	3.52	1567	5	ND	9	390	2.8	224	4	10	2.79	.086	14	3	.75	72	.01	4	.32	.01	.11	1	874	3800
026794 DR	2	13	47	169	.8	8	7	946	3.10	2199	5	ND	8	377	1.2	67	2	13	2.70	.095	18	7	.81	60	.01	6	.34	.01	.11	1	808	3900
026795 DR	2	10	37	179	.6	7	7	833	2.95	1448	7	ND	8	359	1.1	102	3	10	2.98	.097	17	3	.85	62	.01	6	.34	.01	.13	1	485	4700
026796 DR	3	19	40	207	.9	24	8	510	2.72	711	5	ND	7	285	1.8	53	2	14	1.80	.059	21	4	.43	57	.01	5	.38	.01	.13	1	190	2700
026797 DR	2	15	63	276	1.1	17	8	1348	2.96	1146	5	ND	8	478	2.2	43	2	16	2.97	.084	18	6	.98	62	.01	5	.37	.01	.13	1	580	1800
026798 DR	7	35	28	258	.6	68	14	350	2.96	226	18	ND	7	253	1.7	29	3	43	1.05	.052	26	11	.43	75	.01	2	.42	.01	.14	1	43	1100
STANDARD C/AU-R	9	58	36	134	7.1	73	32	1054	3.96	44	22	7	38	56	19.4	17	20	58	.46	.096	39	60	.90	183	.08	33	1.89	.06	.14	12	500	1400

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: CUTTING AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: OCT 2 1990 DATE REPORT MAILED: Oct 5/90. SIGNED BY..... C. Leong ..D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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	Hg ppb
026799 DR	5	40	25	318	.5	62	14	387	2.99	116	5	ND	7	163	1.8	49	2	38	.45	.037	30	11	.28	137	.01	6	.46	.01	.15	1	24	760
026800 DR	5	36	117	155	1.1	57	13	679	3.15	641	5	ND	6	219	1.2	65	2	27	.90	.039	24	13	.55	60	.01	3	.44	.01	.16	1	599	2100
026801 DR	2	27	95	109	1.7	11	7	1818	2.93	1765	5	ND	6	387	.8	63	2	14	3.14	.050	11	10	1.15	97	.01	7	.33	.01	.12	1	703	3400
026802 DR	2	29	173	182	2.3	9	7	1962	2.82	325	5	ND	6	442	1.9	58	2	13	3.02	.068	11	10	1.09	86	.01	5	.34	.01	.12	1	83	1500
026803 DR	2	32	55	101	1.0	10	8	1634	3.06	177	5	ND	6	569	.5	37	2	16	3.29	.071	13	11	1.18	109	.01	5	.36	.01	.12	1	63	2300
026804 DR	3	12	155	222	1.3	11	8	2937	3.12	394	5	ND	5	495	2.1	62	2	18	3.41	.060	11	14	1.19	88	.01	9	.37	.01	.13	1	65	2500
026805 DR	12	45	82	147	1.3	87	11	760	2.41	917	5	ND	3	270	1.5	66	2	38	1.05	.067	14	10	.44	63	.01	3	.40	.01	.13	1	390	6100
026806 DR	16	60	24	370	1.2	96	9	464	2.83	813	5	ND	1	382	4.0	40	5	79	1.15	.135	10	13	.49	40	.01	4	.43	.01	.13	1	86	1700
026807 DR	2	14	49	248	1.3	15	10	973	3.49	3228	5	2	9	58	3.0	708	3	18	.13	.021	30	2	.02	439	.01	2	.32	.01	.09	1	2831	4500
026808 DR	2	13	40	253	.9	12	9	1213	3.68	3057	5	ND	9	69	2.0	229	2	17	.79	.031	28	7	.03	453	.01	2	.34	.01	.10	1	1520	5700
026809 DR	2	20	167	592	3.2	11	9	2246	3.92	1138	5	ND	9	91	6.6	1600	2	20	.68	.066	22	4	.04	488	.01	7	.41	.01	.12	1	1720	5100
026810 DR	2	16	171	476	3.6	15	7	1878	3.36	813	5	ND	8	98	4.2	3435	2	19	.30	.030	32	2	.05	416	.01	7	.37	.01	.15	1	2214	4800
026811 DR	4	22	48	190	1.9	28	9	531	2.89	1856	5	ND	8	137	1.0	436	2	28	.10	.029	30	9	.03	504	.01	5	.37	.01	.14	1	2309	3300
026812 DR	3	21	67	302	1.1	34	12	1842	3.67	1778	5	ND	11	111	2.7	278	2	31	.36	.055	32	14	.08	522	.01	3	.43	.01	.09	1	1169	7400
026813 DR	2	23	68	467	1.6	34	14	2392	3.55	2131	5	2	12	111	4.1	917	2	26	.36	.041	29	9	.09	446	.01	3	.41	.01	.08	1	2280	3800
026814 DR	2	50	340	1445	6.9	28	10	2631	3.43	2624	5	4	8	121	16.6	9654	2	32	.21	.027	23	8	.04	432	.01	3	.35	.01	.07	1	5311	7900
026815 DR	2	24	71	1366	2.1	21	11	1754	3.50	3010	5	4	9	98	8.8	2591	2	37	.31	.018	24	11	.07	454	.01	3	.40	.01	.07	1	5007	4800
026816 DR	1	87	75	407	6.9	15	8	1699	2.88	197	5	2	1	194	3.4	29054	2	27	1.06	.008	8	18	.36	70	.01	5	.30	.01	.06	1	1843	5400
026817 DR	2	22	136	377	2.2	13	10	1698	4.12	3161	5	ND	10	176	3.9	2081	2	48	1.34	.018	23	20	.54	334	.01	2	.42	.01	.06	1	1967	12000
026818 DR	2	24	78	263	1.1	14	11	1191	3.40	1680	5	ND	11	121	2.2	5136	2	53	1.01	.022	24	20	.38	424	.01	2	.46	.01	.03	1	1045	6700
026819 DR	2	22	53	238	.9	14	10	1291	3.60	1137	5	ND	10	165	1.6	3938	2	48	1.47	.021	21	21	.58	394	.01	2	.44	.01	.05	1	770	6200
026820 DR	3	19	58	350	1.6	17	9	1879	3.73	2650	5	3	9	233	4.4	1934	2	35	1.53	.017	24	21	.60	275	.01	3	.48	.01	.07	1	3696	5700
026821 DR	2	15	37	276	1.1	14	10	1855	4.09	2122	5	2	9	207	1.2	237	2	43	1.52	.018	19	18	.56	380	.01	5	.41	.01	.07	1	3183	8300
026822 DR	2	22	74	644	2.2	25	9	2203	4.28	2690	5	2	8	245	5.6	674	2	32	1.86	.020	19	12	.64	226	.01	3	.56	.01	.07	1	2869	5400
026823 DR	2	14	40	137	1.4	8	8	1727	3.39	1846	5	ND	8	281	.3	2425	2	33	2.45	.017	17	16	.93	241	.01	5	.33	.01	.07	1	2176	5100
026824 DR	2	40	545	1463	5.3	11	8	3202	4.98	1327	5	ND	6	247	18.3	890	2	43	3.36	.015	11	18	1.09	113	.01	3	.34	.01	.07	1	2309	6500
026825 DR	2	17	69	234	1.7	12	9	1732	3.50	3272	5	2	7	203	1.6	1037	2	39	1.88	.017	15	18	.79	274	.01	4	.39	.01	.06	1	3126	8800
026826 DR	2	15	42	184	2.1	13	9	1670	3.36	5596	5	6	6	253	.8	1598	2	30	2.02	.018	16	15	.76	192	.01	2	.36	.01	.06	1	7230	8100
026827 DR	2	16	37	142	.7	13	10	1138	3.32	1511	5	ND	7	160	.3	165	2	47	.88	.022	17	18	.50	413	.01	2	.44	.01	.04	1	1758	4800
026828 DR	3	17	42	174	.4	17	10	1114	3.37	525	5	ND	8	143	.5	84	2	53	.72	.027	20	25	.47	518	.01	2	.53	.01	.02	1	713	6600
026829 DR	2	14	29	253	.5	22	11	1141	3.37	209	5	ND	15	95	.7	64	2	60	1.30	.093	41	25	.60	315	.01	4	.56	.01	.05	1	190	3800
026830 DR	2	28	678	1321	4.6	11	9	1837	3.78	697	5	ND	8	215	15.1	269	2	33	2.61	.046	16	15	1.02	105	.01	5	.36	.01	.06	1	998	8200
026831 DR	2	24	266	824	2.5	13	7	2094	3.91	862	5	2	7	246	8.6	209	2	35	3.39	.056	19	15	1.24	122	.01	6	.37	.01	.08	1	2622	4600
026832 DR	2	16	32	418	.5	13	9	1047	3.33	888	5	ND	9	225	3.5	83	2	21	2.87	.084	20	15	1.04	196	.01	4	.40	.01	.11	1	428	5400
026833 DR	1	16	24	354	.4	21	9	924	3.46	605	5	ND	10	129	2.4	97	2	29	1.57	.098	23	12	.69	127	.01	3	.43	.01	.10	1	285	3200
026834 DR	2	20	36	173	.6	12	8	724	3.10	775	5	ND	8	148	1.1	268	2	23	1.60	.089	21	11	.65	140	.01	2	.47	.01	.11	1	551	2300
STANDARD C/AU-R	19	62	44	129	7.3	73	31	1055	3.95	40	17	7	38	52	19.0	15	22	57	.44	.099	39	61	.90	182	.08	34	1.90	.06	.13	13	510	1300

BQC 90-211

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	Hg ppb
026835 DR	2	17	91	176	.9	9	7	1666	3.32	1282	5	ND	6	352	2.1	42	2	18	2.86	.083	18	16	.99	98	.01	3	.49	.01	.14	1	1030	1800
026836 DR	2	17	83	169	.9	9	6	1057	3.20	1556	5	ND	5	293	1.6	41	2	15	2.61	.060	13	11	.93	46	.01	10	.52	.01	.14	1	1010	2200
026837 DR	3	15	41	95	1.1	21	8	1301	3.18	1653	5	ND	6	443	1.0	34	2	18	3.06	.066	17	17	1.10	76	.01	3	.53	.01	.16	1	1680	2300
026838 DR	3	15	32	118	.4	14	8	968	3.25	242	5	ND	9	469	.8	36	2	18	3.72	.101	24	17	1.24	165	.01	5	.48	.01	.17	1	180	1300
026839 DR	2	12	24	95	.1	13	8	747	3.14	140	5	ND	10	432	1.3	41	2	24	3.66	.108	27	18	1.20	200	.01	9	.75	.01	.25	1	86	1200
026840 DR	2	10	64	120	.5	10	7	2109	2.89	2771	5	ND	7	532	2.3	26	2	14	4.12	.105	15	13	1.24	141	.01	8	.48	.01	.20	1	800	1050
026841 DR	4	23	64	145	.5	32	10	1047	3.79	371	5	ND	5	458	2.1	41	2	19	2.74	.086	13	17	1.10	50	.01	2	.34	.01	.12	1	22	860
026842 DR	5	38	17	56	.4	78	12	540	3.18	101	5	ND	6	298	1.2	17	2	32	1.32	.052	20	12	.78	20	.01	7	.52	.01	.22	1	26	160
026843 DR	6	40	32	70	.5	91	14	286	3.03	79	5	ND	5	184	.8	13	2	42	.87	.054	23	12	.60	26	.01	4	.59	.01	.22	1	19	120
026844 DR	3	23	37	332	.4	28	12	967	3.77	676	5	ND	6	201	2.7	70	2	15	2.15	.036	19	17	.37	527	.01	4	.45	.01	.11	1	130	5600
026845 DR	2	16	48	154	.2	24	11	822	3.27	388	5	ND	6	187	1.1	26	2	33	1.99	.033	25	24	.42	571	.01	2	.77	.01	.13	3	28	4700
026846 DR	2	19	66	261	.5	23	11	808	3.43	467	5	ND	6	217	1.8	28	2	26	2.82	.047	21	18	.57	604	.01	2	.55	.01	.11	1	36	5200
026847 DR	2	25	38	202	.4	47	15	782	3.87	191	5	ND	8	171	.8	13	2	39	1.79	.079	34	18	.32	1022	.01	4	.76	.01	.15	1	14	3300
026848 DR	2	14	45	194	.3	29	12	762	4.07	143	5	ND	11	127	.8	17	2	43	2.04	.103	38	16	.38	512	.01	2	.71	.01	.13	1	25	1900
026849 DR	3	14	40	203	.3	36	14	794	4.25	166	5	ND	12	110	1.3	10	2	41	1.70	.111	37	9	.18	271	.01	2	.75	.01	.14	1	14	1400
026850 DR	2	10	25	138	.1	24	12	778	4.26	97	5	ND	11	129	.2	10	2	35	1.91	.101	27	10	.38	244	.01	2	.58	.01	.14	1	6	1100
026851 DR	4	22	40	246	.2	45	13	786	3.98	106	5	ND	10	115	3.2	14	2	60	1.18	.108	31	12	.24	519	.01	2	.64	.01	.12	1	16	1200
026852 DR	5	40	31	386	.3	126	24	513	4.30	136	5	ND	7	111	6.8	23	2	52	.35	.053	37	17	.13	985	.01	4	.82	.01	.20	1	12	750
026853 DR	7	34	29	326	1.3	83	15	860	4.59	3237	5	ND	9	233	4.9	58	2	99	.28	.105	25	22	.07	1048	.01	3	.65	.01	.13	2	3220	5400
026854 DR	2	31	70	212	3.0	41	15	1453	4.11	4408	5	9	1	139	2.8	12621	2	52	.41	.025	25	17	.11	332	.01	2	.49	.01	.05	2	9980	6800
026855 DR	3	20	47	212	1.0	34	14	787	3.93	1680	5	ND	12	152	2.8	321	2	60	.15	.051	28	22	.05	1104	.01	2	.78	.01	.05	2	1390	3700
026856 DR	3	20	68	252	.4	38	15	1331	5.69	1523	5	ND	12	129	1.9	486	2	73	.13	.043	28	25	.10	1001	.01	2	.72	.01	.04	1	820	8800
026857 DR	3	21	65	263	.5	36	15	1124	4.73	1391	5	ND	13	149	2.6	139	2	71	.17	.046	33	24	.14	1864	.01	2	.72	.01	.03	1	730	3800
026858 DR	3	20	57	187	.5	30	14	1060	3.89	723	5	ND	17	136	2.0	310	2	75	1.14	.103	47	31	.44	1026	.01	2	.83	.01	.04	1	330	4300
026859 DR	2	18	49	180	.5	29	13	1024	4.20	1177	5	ND	17	139	.8	65	2	71	1.49	.119	52	30	.52	618	.01	2	.92	.01	.08	1	620	2800
026860 DR	2	43	1535	2244	10.5	19	10	2435	4.11	2754	5	2	13	275	35.9	634	2	40	2.48	.074	30	20	.90	102	.01	4	.60	.01	.09	1	3150	7200
026861 DR	2	28	529	1123	4.5	20	9	2296	3.76	2509	5	5	10	233	13.9	853	2	44	1.65	.035	24	20	.66	141	.01	2	.55	.01	.07	1	3820	5200
026862 DR	3	20	126	298	1.0	25	13	1474	3.58	728	5	ND	11	158	2.7	231	2	60	.60	.041	27	24	.24	987	.01	2	.72	.01	.04	1	1030	3400
026863 DR	2	18	54	199	.6	27	13	1558	4.47	604	5	ND	11	124	1.0	67	2	58	.36	.038	26	23	.34	724	.01	2	.62	.01	.04	1	350	4400
026864 DR	2	20	81	191	1.0	23	12	1952	4.08	469	5	ND	10	305	1.1	41	2	32	1.89	.046	25	17	.72	59	.01	8	.59	.01	.11	1	200	2600
026865 DR	2	16	56	147	.7	17	11	1655	3.72	609	5	ND	10	354	.8	96	2	35	2.72	.060	25	18	.99	73	.01	2	.55	.01	.10	1	250	1800
026866 DR	2	18	48	129	.7	21	11	1131	3.61	459	5	ND	15	199	1.3	70	2	57	1.57	.132	72	25	.74	207	.01	3	.93	.01	.13	1	210	1100
026867 DR	2	17	31	152	.3	19	10	728	2.81	116	6	ND	17	74	1.8	61	2	66	.78	.138	63	29	.58	455	.02	2	1.29	.01	.16	1	70	480
026868 DR	2	17	20	119	.4	17	10	574	3.66	95	11	ND	14	108	1.3	67	2	78	1.61	.113	43	39	1.11	513	.12	2	1.95	.03	.36	1	73	340
026869 DR	2	16	26	110	.4	13	9	616	3.38	79	6	ND	12	133	1.6	54	2	89	2.06	.111	39	46	1.28	664	.16	2	1.73	.05	.45	1	31	300
026870 DR	2	14	16	101	.2	15	9	603	3.55	64	8	ND	13	175	1.1	55	2	73	2.58	.116	43	42	1.15	566	.03	2	1.89	.01	.21	1	24	280
STANDARD C/AU-R	19	62	41	133	7.6	73	32	1057	3.98	41	22	8	36	52	18.4	16	19	58	.45	.094	39	59	.89	182	.07	32	1.90	.06	.13	12	490	1500

BORC 90-212

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	Hg ppb
026871 DR	2	13	16	109	.4	10	8	646	3.27	52	9	ND	11	115	.8	44	2	57	1.99	.097	33	23	.87	317	.04	5	1.13	.01	.19	1	15	1800
026872 DR	2	17	28	315	.4	11	9	955	3.57	406	5	ND	7	99	2.8	34	2	32	1.51	.041	16	11	.71	109	.01	5	.55	.01	.10	1	100	3100
026873 DR	1	21	202	655	3.1	11	10	1180	3.70	1702	5	ND	7	69	6.0	177	2	16	.65	.052	17	5	.28	36	.01	6	.37	.01	.10	1	1280	2800
026874 DR	2	16	22	90	.5	12	11	1026	3.48	335	5	ND	10	133	.8	26	3	12	1.13	.102	26	4	.47	77	.01	8	.39	.01	.11	1	72	1500
026875 DR	2	19	28	102	.6	9	9	671	2.92	549	5	ND	8	258	1.5	37	2	17	2.21	.089	24	7	.81	94	.01	8	.50	.01	.12	1	240	860
026876 DR	2	17	25	80	.4	17	10	780	3.14	601	5	ND	8	150	.2	22	3	40	1.81	.059	18	15	.80	225	.01	5	.50	.01	.08	1	230	3700
026877 DR	2	16	22	90	.6	13	10	833	3.26	2160	5	ND	6	198	.5	25	11	23	2.11	.024	11	9	.87	112	.01	2	.42	.01	.09	1	1480	5400
026878 DR	2	13	41	86	.8	10	8	924	2.87	2626	5	2	5	190	.6	28	2	13	1.88	.040	11	5	.71	92	.01	6	.38	.01	.11	1	1790	1600
026879 DR	2	21	29	57	.5	12	8	499	2.79	2869	5	ND	4	215	.2	28	2	8	1.79	.044	10	2	.67	67	.01	6	.43	.01	.13	1	1000	1100
026880 DR	3	18	18	66	.3	21	9	543	2.72	470	5	ND	7	355	.3	19	2	16	2.49	.083	15	6	.88	104	.01	7	.38	.01	.15	1	240	1400
026881 DR	5	33	36	194	.3	37	11	404	2.91	218	5	ND	6	105	1.2	39	5	27	1.08	.062	28	11	.12	551	.01	7	.41	.01	.13	1	69	2000
026882 DR	3	33	28	276	.2	65	20	375	3.62	112	11	ND	7	79	1.0	26	4	19	.33	.061	36	9	.08	1356	.01	6	.52	.01	.16	1	24	850
026883 DR	7	37	22	213	.3	52	11	130	3.12	66	5	ND	6	168	.8	14	2	27	.17	.046	29	10	.05	863	.01	6	.41	.01	.16	1	9	330
026884 DR	7	42	18	262	.2	76	17	144	3.18	57	5	ND	5	121	.5	6	2	33	.17	.049	31	7	.05	879	.01	6	.52	.01	.17	1	7	150
026885 DR	9	32	18	192	.2	53	8	82	2.46	44	5	ND	4	138	.5	6	2	44	.16	.040	22	7	.03	699	.01	8	.39	.01	.16	1	13	180
026886 DR	7	33	18	159	.3	38	10	71	3.16	44	5	ND	6	118	.3	9	7	33	.15	.041	31	6	.04	715	.01	10	.42	.01	.17	1	5	220
026887 DR	8	41	23	271	.3	57	14	112	4.35	43	6	ND	6	95	.2	9	2	50	.14	.056	29	10	.04	749	.01	13	.48	.01	.17	1	6	330
026888 DR	8	38	32	254	.4	64	16	373	3.24	222	5	ND	6	72	1.5	24	5	37	.08	.037	22	8	.03	645	.01	5	.43	.01	.11	1	3	800
026889 DR	5	30	33	490	.1	64	18	360	4.84	281	8	ND	9	62	3.0	28	7	31	.11	.077	30	22	.04	562	.01	6	.58	.01	.12	1	10	1500
026890 DR	3	26	35	221	.1	43	12	297	3.63	181	10	ND	9	67	1.7	19	4	64	.26	.112	29	43	.79	538	.08	6	1.52	.02	.38	1	12	160
026891 DR	3	23	40	192	.2	39	14	219	3.57	519	10	ND	10	81	1.3	23	2	46	.28	.121	29	31	.47	274	.01	5	1.20	.01	.16	1	7	180
026892 DR	6	30	51	96	.3	20	6	67	3.79	1026	5	ND	6	94	.4	32	2	65	.09	.097	24	16	.04	326	.01	7	.47	.01	.22	1	12	400
026893 DR	6	39	22	237	.1	64	18	169	3.78	82	9	ND	6	65	.8	9	2	36	.13	.050	32	9	.10	148	.01	7	.53	.01	.19	1	2	320
026894 DR	4	31	28	197	.1	48	14	461	3.39	89	5	ND	8	230	1.2	22	2	29	1.73	.080	23	11	.58	115	.01	7	.49	.01	.17	1	8	1300
026895 DR	5	22	48	122	.1	37	10	751	2.96	85	5	ND	7	274	.9	59	2	23	2.49	.092	16	13	.82	66	.01	4	.54	.01	.14	1	7	1200
026896 DR	4	27	32	156	.1	29	10	846	3.20	94	5	ND	6	269	1.4	27	2	16	2.55	.081	12	12	.86	52	.01	7	.50	.01	.15	1	13	1300
026897 DR	3	19	27	201	.5	14	12	1048	3.51	1444	5	ND	8	206	2.0	29	4	11	3.14	.089	10	3	1.02	102	.01	7	.40	.01	.12	1	320	3200
026898 DR	3	20	21	122	.2	24	10	616	3.32	3777	5	ND	6	164	1.4	34	2	22	1.70	.078	12	14	.53	81	.01	8	.52	.01	.10	1	1320	3400
026899 DR	2	15	33	124	.2	15	10	1141	3.46	631	5	ND	9	147	.7	71	2	35	1.75	.053	13	15	.71	463	.01	5	.44	.01	.06	1	720	2900
026900 DR	3	16	36	123	.1	16	12	1142	4.13	405	5	ND	8	104	.7	19	3	53	.52	.030	20	25	.46	497	.01	5	.56	.01	.03	2	250	2800
026901 DR	2	22	44	175	.1	21	16	1015	4.15	82	5	ND	9	112	.5	25	2	56	.27	.029	22	21	.28	810	.01	3	.55	.01	.03	1	66	3500
026902 DR	3	15	41	146	.1	19	13	1073	3.78	86	5	ND	9	108	.8	21	3	60	.80	.031	21	25	.48	1250	.01	3	.64	.01	.01	1	14	2800
026903 DR	1	14	44	162	.1	25	15	1271	4.49	170	5	ND	12	110	.9	22	2	63	1.77	.040	26	25	.77	1134	.01	3	.64	.01	.02	1	13	2100
026904 DR	3	18	46	293	.1	34	17	1299	3.27	147	6	ND	11	130	1.3	57	2	56	.27	.045	30	25	.15	957	.01	5	.64	.01	.01	2	6	3500
026905 DR	2	18	36	177	.1	14	13	950	2.87	70	5	ND	11	134	1.0	19	8	61	1.77	.042	27	25	.75	982	.01	3	.57	.01	.01	1	6	5400
026906 DR	2	19	37	155	.1	16	13	725	3.08	52	5	ND	13	147	.3	19	6	65	1.39	.048	35	27	.74	1094	.01	6	.75	.01	.01	1	11	3200
026907 DR	2	18	40	118	.2	14	11	825	2.65	63	5	ND	12	130	.2	16	4	60	2.33	.044	25	24	.94	868	.01	2	.70	.01	.01	1	7	3800
STANDARD C/AU-R	19	62	43	135	7.0	71	32	1055	3.97	44	20	7	38	52	19.5	15	18	58	.46	.094	39	61	.90	187	.08	34	1.89	.06	.14	12	520	1500

HERC 90-213

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	Hg ppb
026908 DR	4	40	49	261	1.0	42	10	561	3.37	1605	5	ND	11	108	2.0	139	2	65	.39	.101	28	18	.19	756	.01	6	.76	.01	.12	1	1020	6600
026909 DR	4	30	62	299	1.9	32	10	861	3.28	1442	5	ND	17	111	1.5	6373	3	67	.20	.082	35	18	.03	761	.01	3	.60	.01	.09	2	1080	6800
026910 DR	4	23	58	190	1.4	18	10	891	3.25	1289	5	ND	17	103	.6	5470	2	29	.22	.043	24	15	.08	682	.01	2	.56	.01	.10	2	1190	3800
026911 DR	4	22	111	342	1.0	29	12	1032	3.58	737	5	ND	18	149	2.6	454	4	41	.38	.087	29	16	.11	936	.01	4	.67	.01	.09	1	300	5400
026912 DR	4	22	142	248	1.0	24	11	1026	3.63	874	5	ND	16	141	.8	382	3	42	.56	.085	30	15	.16	777	.01	3	.64	.01	.08	1	330	7800
026913 DR	4	19	44	165	.7	21	10	1008	3.39	2126	5	2	15	113	.2	204	2	48	.37	.054	26	22	.04	764	.01	3	.56	.01	.06	2	1410	7500
026914 DR	3	18	39	175	.3	24	12	860	3.31	979	5	ND	14	106	.2	138	3	55	.42	.036	24	20	.12	615	.01	6	.64	.01	.04	2	680	6800
026915 DR	3	18	35	128	.6	15	10	1297	3.36	1653	5	ND	13	125	.2	125	7	47	.85	.028	24	17	.29	478	.01	3	.53	.01	.06	2	1790	9600
026916 DR	3	14	30	128	.7	16	9	1272	3.54	1697	5	2	12	170	.4	92	4	40	1.04	.036	24	15	.41	517	.01	4	.54	.01	.06	2	2300	6300
026917 DR	3	20	37	168	.1	22	12	715	3.71	389	5	ND	18	118	.2	81	2	67	.41	.097	41	23	.18	650	.01	2	.54	.01	.04	1	240	4600
026918 DR	3	20	29	132	.1	18	10	626	3.36	168	5	ND	20	68	.2	80	2	64	1.38	.113	52	23	.31	342	.01	2	.72	.01	.09	1	44	3400
026919 DR	3	17	35	177	.1	24	12	751	4.15	530	5	ND	19	87	.2	114	2	67	1.03	.099	53	23	.28	1025	.01	4	.77	.01	.07	1	500	3800
026920 DR	3	26	103	223	1.5	26	11	1116	4.06	1519	5	ND	14	150	.2	10215	2	51	1.15	.066	36	17	.30	354	.01	2	.54	.01	.05	3	2310	4900
026921 DR	3	24	50	271	1.0	22	11	1005	4.42	1617	5	3	17	140	.2	6959	2	52	1.18	.080	38	16	.37	354	.01	5	.55	.01	.07	2	3190	2800
026922 DR	3	20	38	202	.8	18	12	1035	4.27	2043	5	4	16	145	.2	1033	2	55	1.03	.043	29	19	.47	384	.01	2	.51	.01	.05	1	3790	3100
026923 DR	2	16	32	124	1.4	15	10	960	3.13	2477	5	5	13	126	.2	690	4	51	1.25	.031	21	19	.59	491	.01	2	.57	.01	.05	2	4010	4800
026924 DR	2	19	44	128	1.0	18	10	1063	3.14	1630	5	3	12	111	.2	2124	2	49	1.19	.029	18	18	.50	483	.01	2	.54	.01	.05	2	1710	4600
026925 DR	3	17	45	140	.3	13	10	989	3.58	311	5	ND	13	109	.2	279	2	54	.47	.031	21	20	.11	798	.01	2	.67	.01	.02	2	210	5900
026926 DR	3	20	46	141	.3	15	10	620	2.46	167	5	ND	16	118	.2	133	2	50	.10	.036	23	17	.04	697	.01	2	.62	.01	.01	2	49	7300
026927 DR	3	16	46	139	.6	14	11	726	3.16	741	5	ND	14	109	.2	93	2	54	.40	.034	23	20	.15	651	.01	2	.58	.01	.03	2	570	6800
026928 DR	3	16	50	144	.4	14	9	811	3.53	544	5	ND	14	97	.2	89	2	58	.63	.033	22	20	.23	542	.01	2	.46	.01	.02	2	360	5200
026929 DR	3	17	58	189	.3	18	11	560	3.27	154	5	ND	22	66	.2	100	7	72	1.17	.119	57	27	.25	291	.01	2	.72	.01	.06	1	47	4300
026930 DR	3	18	28	149	.4	21	10	708	2.87	301	5	ND	21	127	.4	347	5	64	1.38	.100	46	26	.37	628	.01	2	.74	.01	.06	1	260	3500
026931 DR	3	20	44	157	.5	13	9	1104	3.60	754	5	ND	9	148	.2	4124	2	56	1.25	.030	20	20	.56	498	.01	2	.53	.01	.03	1	860	3900
026932 DR	2	16	27	97	.9	14	9	1272	3.14	3427	5	5	7	175	.3	352	2	36	1.95	.024	16	14	.90	289	.01	2	.50	.01	.06	1	5400	3200
026933 DR	2	9	43	135	.8	9	8	999	2.76	1090	5	ND	5	179	.6	353	2	21	1.82	.043	13	6	.74	295	.01	2	.45	.01	.08	1	1770	2400
026934 DR	3	20	26	121	.1	26	9	410	2.98	159	5	ND	7	89	.3	38	3	37	1.19	.064	22	9	.65	230	.01	2	.52	.01	.13	1	54	950
026935 DR	5	31	19	217	.3	58	14	369	3.45	69	5	ND	7	90	.8	25	2	52	1.21	.067	25	21	.59	110	.01	4	.72	.01	.22	1	24	520
R 140903	3	4	7	11	.2	3	4	15	1.51	23	5	ND	1	247	.2	24	5	35	.13	.133	16	11	.08	1473	.01	14	.84	.01	.28	3	5	1200
R 140904	8	11	4	10	.4	2	4	11	2.75	54	5	ND	2	298	.2	39	2	39	.14	.163	16	8	.08	748	.01	17	1.01	.01	.32	3	12	1800
R 140905	3	6	15	7	.4	5	3	13	1.88	34	5	ND	2	393	.2	37	3	28	.17	.211	23	17	.09	1676	.01	19	.95	.01	.29	4	6	2000
R 140906	3	46	14	123	.2	29	22	217	5.11	38	5	ND	2	232	.2	15	2	60	.13	.139	21	18	.10	3580	.01	9	1.00	.01	.18	2	5	1300
R 140907	4	79	10	215	.3	79	46	1203	8.50	105	5	ND	3	191	.2	18	2	99	.73	.118	21	30	.11	2867	.02	7	.91	.01	.13	2	17	1100
STANDARD C/AU-R	19	57	41	134	6.9	73	32	1050	3.95	41	21	7	40	55	19.6	15	20	56	.45	.094	39	56	.91	183	.08	38	1.88	.06	.14	13	540	1300

BCRC 90-314

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	Hg ppb
026936 DR	13	94	12	161	4.2	66	4	143	1.46	88	5	ND	2	202	15.9	27	2	549	1.91	.760	16	133	.09	1173	.01	11	.64	.01	.13	2	24	4800
026937 DR	8	125	23	158	1.9	39	4	106	1.78	66	5	ND	2	103	4.7	13	2	170	.46	.210	7	25	.04	998	.01	9	.53	.01	.12	1	12	1500
026938 DR	2	83	13	314	.2	56	9	790	2.89	49	5	ND	2	59	46.1	7	2	31	1.05	.038	5	20	.65	505	.01	10	.53	.01	.16	1	9	500
026939 DR	3	51	24	274	.5	43	7	273	2.11	37	5	ND	2	46	9.6	7	2	24	.20	.028	4	10	.12	386	.01	10	.39	.01	.17	1	13	850
026940 DR	2	50	18	199	.7	39	8	260	1.89	129	5	ND	1	62	3.4	8	2	22	.48	.029	4	11	.30	735	.01	10	.35	.01	.14	1	150	1700
026941 DR	1	40	13	133	.4	26	9	745	2.12	216	5	ND	1	116	2.3	13	2	14	1.70	.016	4	11	.96	242	.01	9	.32	.01	.14	1	390	950
026942 DR	1	44	5	151	.1	20	7	354	1.74	1143	5	ND	1	54	.2	7	2	10	.46	.010	3	6	.26	206	.01	10	.32	.01	.16	2	290	660
026943 DR	1	49	7	146	.1	28	9	433	2.02	768	5	ND	1	86	.2	10	2	10	.68	.007	3	7	.34	177	.01	9	.29	.01	.14	1	220	820
026944 DR	1	40	14	128	.3	25	8	467	1.73	501	5	ND	1	163	.4	12	2	8	1.18	.011	3	10	.58	670	.01	10	.29	.01	.15	1	290	750
026945 DR	1	34	10	140	.1	22	8	683	2.15	106	5	ND	1	140	2.8	7	2	7	2.87	.009	3	10	1.18	326	.01	7	.29	.01	.17	1	32	200
026946 DR	62	48	25	437	.3	123	7	352	1.65	164	5	ND	2	211	5.8	14	2	117	3.29	.041	4	14	1.67	345	.01	9	.26	.01	.12	1	20	2800
026947 DR	76	35	15	281	.1	119	7	251	1.52	38	5	ND	2	143	.7	13	2	63	4.49	.045	4	14	2.27	231	.01	8	.25	.01	.12	1	7	1100
026948 DR	44	60	10	347	.5	81	6	286	1.65	52	5	ND	2	185	5.2	20	2	112	4.99	.050	4	16	1.90	75	.01	9	.32	.01	.13	1	39	2600
026949 DR	62	172	14	2075	1.6	82	3	203	1.27	94	6	ND	2	184	27.1	44	2	388	6.80	.033	4	20	3.32	244	.01	10	.30	.01	.13	1	21	6300
026950 DR	35	55	7	526	.4	87	6	133	1.12	41	5	ND	2	133	2.6	15	2	73	1.66	.039	2	14	.96	241	.01	9	.31	.01	.16	2	6	1700
026951 DR	7	54	24	165	.6	45	11	454	5.09	94	5	ND	1	216	.7	23	2	15	2.60	.054	2	14	1.12	22	.01	7	.31	.01	.14	1	24	1900
026952 DR	3	30	15	106	.2	23	5	538	2.12	58	5	ND	1	314	1.4	4	2	19	10.13	.028	4	7	4.32	70	.01	8	.25	.01	.14	1	67	700
026953 DR	1	38	12	60	.2	27	7	602	2.23	16	5	ND	1	343	.9	4	2	11	10.50	.025	5	6	4.43	70	.01	7	.34	.01	.17	1	7	380
026954 DR	1	42	9	61	.3	25	7	479	1.76	14	5	ND	1	213	.3	9	2	8	7.79	.024	4	9	3.33	99	.01	11	.31	.01	.17	1	7	250
026955 DR	4	20	35	367	.2	38	11	715	3.46	92	5	ND	7	47	3.9	57	2	45	.21	.045	24	10	.11	497	.01	6	.46	.01	.09	1	46	800
026956 DR	4	17	21	407	.1	39	10	813	3.80	64	5	ND	7	47	3.5	48	2	50	.25	.041	32	12	.07	525	.01	5	.44	.01	.10	1	51	680
026957 DR	17	75	19	419	.6	88	7	343	2.04	66	5	ND	4	267	8.4	35	2	408	1.11	.535	25	53	.07	1980	.01	13	.70	.01	.15	2	37	1100
026958 DR	4	21	34	500	.1	61	10	1121	3.46	78	5	ND	9	90	5.3	20	2	51	.14	.089	44	6	.04	1049	.01	8	.54	.01	.12	1	9	480
026959 DR	4	14	28	270	.2	31	8	593	3.60	52	5	ND	9	58	3.3	19	2	30	.13	.061	39	4	.03	774	.01	5	.49	.01	.11	1	14	1200
026960 DR	4	12	34	279	.1	31	10	729	3.63	113	5	ND	8	42	3.4	22	3	26	.07	.032	39	4	.03	815	.01	7	.52	.01	.11	1	15	800
026961 DR	3	16	37	204	.2	25	8	661	3.76	157	5	ND	8	58	1.9	18	2	27	.07	.039	38	6	.03	721	.01	6	.52	.01	.11	1	19	1400
026962 DR	2	15	37	231	.2	31	11	910	3.95	70	5	ND	8	67	3.9	19	2	28	.10	.051	39	7	.03	805	.01	6	.52	.01	.12	1	12	1200
026963 DR	2	18	24	218	.2	23	9	525	4.53	103	5	ND	7	62	1.7	21	2	29	.11	.040	35	6	.03	958	.01	8	.50	.01	.11	1	14	1100
026964 DR	2	18	29	135	.3	10	4	109	3.52	73	5	ND	7	69	.2	22	2	26	.06	.042	34	3	.02	1103	.01	7	.52	.01	.11	1	10	1050
026965 DR	3	25	36	217	.1	28	11	596	4.86	137	5	ND	8	65	1.8	31	2	33	.16	.046	42	12	.03	823	.01	7	.57	.01	.11	1	38	800
026966 DR	2	16	21	145	.1	19	11	1289	3.90	416	5	ND	5	59	1.3	23	2	30	.61	.020	29	6	.05	644	.01	4	.43	.01	.11	1	83	680
026967 DR	2	17	21	196	.1	21	13	1200	3.69	249	5	ND	7	59	.7	20	2	25	.77	.035	36	7	.07	518	.01	7	.44	.01	.12	1	41	820
026968 DR	3	11	25	237	.1	29	10	842	3.55	108	5	ND	9	48	2.5	31	2	28	.26	.037	45	5	.04	626	.01	8	.47	.01	.13	2	12	420
026969 DR	3	13	30	249	.1	28	9	668	3.60	44	5	ND	9	61	.7	28	2	29	.79	.038	41	4	.07	605	.01	8	.51	.01	.13	2	2	440
026970 DR	3	22	26	261	.1	30	8	693	3.35	57	5	ND	6	53	2.7	26	2	42	.76	.047	32	12	.05	503	.01	6	.44	.01	.11	1	4	730
026971 DR	4	15	26	247	.1	37	12	697	3.47	84	5	ND	8	60	1.6	21	2	31	.48	.090	35	14	.05	594	.01	8	.42	.01	.11	1	13	860
STANDARD C/AU-R	19	62	40	133	7.3	73	32	1059	3.98	42	15	8	36	52	18.6	16	20	59	.46	.095	37	61	.90	182	.08	34	1.90	.06	.13	13	530	1600

RE RC 90-215

BRE RC 90-216

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	Hg ppb
026972 DR	6	19	44	531	.3	58	14	746	4.03	165	5	ND	8	81	3.0	36	2	41	.40	.075	39	23	.08	728	.01	9	.46	.01	.11	1	49	750
026973 DR	3	18	34	178	.1	22	10	738	3.40	201	5	ND	5	356	1.5	21	2	28	2.67	.047	21	20	.93	343	.01	6	.39	.01	.11	1	27	960
026974 DR	8	27	42	350	.6	50	10	750	3.30	159	5	ND	5	196	3.2	34	2	45	1.31	.039	22	21	.54	447	.01	7	.38	.01	.10	1	19	800
026975 DR	9	14	34	603	.2	63	10	1099	3.19	295	5	ND	6	75	2.5	42	2	38	.20	.043	28	12	.08	623	.01	4	.44	.01	.10	1	26	480
026976 DR	8	8	45	879	.2	66	15	1126	3.44	186	5	ND	7	98	2.5	43	2	28	.33	.049	26	10	.13	447	.01	7	.36	.01	.09	1	25	360
026977 DR	7	7	40	671	.1	45	9	526	3.25	296	5	ND	6	145	1.8	35	2	29	.95	.040	17	5	.39	323	.01	5	.36	.01	.09	1	31	500
026978 DR	7	28	36	1158	.2	85	17	590	3.55	434	6	ND	7	156	5.7	66	2	41	.85	.077	31	27	.34	446	.01	6	.47	.01	.08	1	47	780
026979 DR	12	54	74	1662	.4	131	26	836	4.80	369	5	ND	8	184	5.5	128	6	62	.76	.113	36	50	.32	682	.01	5	.61	.01	.09	1	48	1300
026980 DR	6	48	49	922	.3	61	11	659	4.07	226	5	ND	7	402	3.8	81	2	36	2.05	.059	25	22	.97	121	.01	2	.42	.01	.10	1	18	880
026981 DR	6	47	24	653	.8	61	9	125	2.08	103	5	ND	4	186	2.4	89	2	30	.22	.070	20	15	.11	774	.01	12	.39	.01	.15	1	17	540
026982 DR	6	49	16	682	.7	66	10	342	2.99	72	5	ND	3	150	3.4	79	2	26	3.45	.052	11	25	1.83	118	.01	12	.34	.01	.15	1	7	920
STANDARD C/AU-R	19	62	40	129	7.4	73	32	1058	3.98	42	18	7	37	52	18.5	15	18	58	.45	.099	38	61	.89	182	.07	34	1.90	.06	.13	11	480	1400

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	Hg ppb
026983 DR	3	34	11	113	.1	33	7	88	1.96	243	5	ND	3	28	.2	16	4	19	.07	.011	3	9	.03	490	.01	5	.31	.01	.10	1	22	420
026984 DR	4	52	21	138	.1	35	9	71	2.59	89	5	ND	3	46	.2	12	2	17	.06	.022	4	12	.04	772	.01	4	.52	.01	.16	1	16	480
026985 DR	4	46	31	94	.2	22	9	62	2.76	31	6	ND	5	27	.2	8	5	12	.02	.028	4	6	.03	776	.01	4	.46	.01	.17	1	3	820
026986 DR	5	47	31	140	.3	24	8	47	3.71	23	5	ND	6	25	.2	20	6	11	.02	.037	4	6	.03	505	.01	5	.50	.01	.19	1	3	1700
026987 DR	5	53	21	128	.1	23	8	90	3.17	513	5	ND	4	34	.2	14	7	13	.02	.026	4	6	.03	561	.01	3	.48	.01	.18	1	15	1400
026988 DR	7	87	28	174	.1	55	15	132	3.51	510	5	ND	1	32	5.7	15	3	12	.07	.029	2	9	.06	77	.01	3	.47	.01	.17	1	55	1200
026989 DR	7	56	21	167	.1	58	18	335	3.24	141	5	ND	3	57	.7	11	2	12	.44	.027	4	5	.41	185	.01	4	.38	.01	.17	1	9	1100
026990 DR	12	62	22	143	.1	60	15	308	3.02	125	5	ND	1	69	.8	9	2	13	.43	.018	2	4	.37	52	.01	5	.34	.01	.15	1	4	2300
026991 DR	8	58	18	173	.1	51	13	617	3.35	30	5	ND	1	122	2.8	8	2	14	2.11	.032	2	7	.94	51	.01	4	.40	.01	.18	1	4	1600
026992 DR	7	56	19	119	.1	47	13	256	2.96	2981	5	ND	1	177	.2	35	2	11	.82	.008	2	13	.46	45	.01	4	.35	.01	.16	1	2930	2900
026993 DR	8	59	24	180	.1	50	14	318	3.12	155	5	ND	1	119	1.1	14	2	13	.70	.023	4	4	.63	86	.01	9	.40	.01	.20	1	51	1500
026994 DR	7	59	15	173	.1	47	13	318	2.91	192	5	ND	2	118	1.3	13	2	13	.78	.025	3	4	.65	108	.01	8	.37	.01	.18	1	28	1300
026995 DR	4	55	26	162	.1	37	11	294	2.84	179	5	ND	2	117	1.1	11	7	13	.77	.039	3	5	.63	124	.01	6	.40	.01	.20	1	9	1100
026996 DR	6	51	17	189	.4	36	12	337	2.92	1442	5	ND	4	157	2.0	19	2	13	.92	.031	3	12	.64	83	.01	7	.40	.01	.19	1	490	1400
026997 DR	5	56	13	179	.2	44	12	297	3.07	2720	5	ND	2	186	1.5	22	2	13	.83	.017	2	5	.59	58	.01	7	.38	.01	.19	1	1000	1700
026998 DR	5	55	22	126	.2	44	13	294	3.17	1865	5	ND	3	121	.5	19	2	10	.64	.028	3	7	.51	57	.01	8	.38	.01	.18	1	680	1600
026999 DR	5	46	15	147	.5	39	12	393	3.18	3090	5	ND	1	280	1.0	22	2	14	1.59	.023	2	7	.82	43	.01	8	.32	.01	.15	1	1750	1800
027000 DR	5	17	19	101	.5	29	8	519	2.74	2779	5	ND	5	434	.7	24	3	19	3.52	.019	11	15	1.54	56	.01	7	.32	.01	.09	1	890	1900
027001 DR	3	18	17	102	.3	17	8	516	2.82	2421	6	ND	5	344	.2	18	2	19	2.56	.024	11	7	1.12	54	.01	6	.32	.01	.10	1	610	1400
027002 DR	2	14	17	76	.6	14	6	574	2.79	2924	5	ND	6	353	.3	21	2	19	2.87	.031	12	7	1.20	58	.01	7	.31	.01	.08	1	910	1800
027003 DR	7	37	19	108	.5	46	11	303	2.80	1015	5	ND	4	249	.4	29	3	16	1.39	.017	15	6	.69	42	.01	6	.35	.01	.14	1	450	1900
027004 DR	6	38	13	99	.3	37	8	465	2.17	664	5	ND	4	315	.2	21	3	22	4.92	.015	13	18	2.13	79	.01	7	.32	.01	.12	1	260	1700
027005 DR	3	20	8	55	.1	32	6	569	2.01	987	5	ND	4	478	.2	16	3	23	5.32	.011	12	9	2.27	119	.01	8	.30	.01	.11	1	1380	1300
027006 DR	1	19	11	53	.1	19	6	863	2.33	614	6	ND	4	484	.2	488	4	20	6.83	.020	13	11	2.73	169	.01	6	.31	.01	.10	1	280	1400
027007 DR	2	6	21	68	.1	10	6	620	2.60	1099	7	ND	6	494	.2	25	2	16	3.41	.061	18	5	1.30	93	.01	9	.32	.01	.10	1	510	1200
027008 DR	3	9	16	80	.2	15	8	578	2.67	489	5	ND	7	489	.2	14	2	20	2.77	.070	21	15	1.10	91	.01	8	.38	.01	.09	1	210	1300
027009 DR	2	6	19	80	.1	10	7	586	2.78	95	5	ND	7	532	.2	6	2	21	3.01	.070	24	6	1.15	145	.01	9	.41	.01	.10	1	41	640
027010 DR	1	14	16	80	.1	7	8	607	2.85	84	5	ND	6	414	.2	7	2	25	2.30	.073	25	8	1.07	560	.01	4	.41	.01	.09	1	43	460
027011 DR	1	26	10	77	.1	20	8	481	2.23	147	5	ND	5	252	.2	8	2	15	3.38	.028	18	8	1.66	257	.01	8	.35	.01	.12	1	42	550
027012 DR	2	42	9	103	.1	18	4	564	1.58	100	5	ND	1	260	.2	5	2	7	4.75	.014	10	20	2.12	237	.01	6	.24	.01	.10	1	56	380
027013 DR	1	28	22	98	.2	19	8	250	2.85	4895	5	ND	10	142	1.6	30	5	22	.29	.051	32	8	.07	716	.01	7	.46	.01	.09	1	1660	1800
027014 DR	2	65	22	140	.2	32	12	409	3.00	4083	5	ND	9	141	3.9	33	3	23	.15	.036	31	7	.03	890	.01	5	.51	.01	.09	1	1740	1600
027015 DR	2	28	23	88	.2	18	9	495	2.83	4827	6	ND	7	190	1.1	24	3	20	.87	.030	24	8	.33	297	.01	5	.40	.01	.07	1	1840	1400
027016 DR	2	25	25	115	.2	23	11	578	3.37	6006	5	ND	8	267	.2	29	2	20	1.32	.059	25	12	.52	146	.01	5	.53	.01	.09	2	1650	1500
027017 DR	2	16	30	118	.2	29	13	461	3.20	4373	5	2	10	128	.8	29	2	23	.48	.039	31	7	.15	501	.01	6	.43	.01	.08	1	1410	1800
027018 DR	6	41	29	169	.1	58	16	529	3.06	2311	5	ND	9	87	.2	30	4	24	.14	.029	30	8	.04	582	.01	6	.43	.01	.12	1	430	1400
STANDARD C/AU-R	18	60	41	133	7.1	73	32	1055	3.97	41	23	7	37	56	19.4	15	18	56	.46	.094	38	60	.90	183	.07	34	1.89	.06	.14	13	530	1500

BERC 90-212

BERC 90-218

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	Hg ppb
027019 DR	4	28	40	152	1.4	35	10	407	2.64	2041	5	ND	7	118	.7	32	2	20	1.03	.056	18	9	.50	565	.01	5	.41	.01	.11	1	640	1800
027020 DR	3	32	11	103	.8	35	9	255	1.88	239	5	ND	3	102	.4	10	2	10	2.39	.018	14	13	1.28	446	.01	4	.34	.01	.12	1	40	480
027021 DR	6	33	17	110	1.0	44	11	344	2.30	204	5	ND	5	237	.3	16	2	27	5.21	.118	14	13	2.37	1463	.01	9	.51	.01	.15	2	1	720
027022 DR	2	4	13	13	.4	12	2	30	.86	75	5	ND	1	58	.3	14	2	27	.10	.025	5	19	.03	747	.01	10	.19	.01	.09	1	1	800
027023 DR	5	7	17	16	.5	13	3	25	1.11	42	5	ND	2	40	.2	16	2	24	.11	.020	4	25	.04	479	.01	7	.21	.01	.11	2	1	820
027024 DR	7	5	9	4	.2	12	2	20	.73	18	5	ND	1	46	.2	11	2	15	.09	.024	4	59	.02	582	.01	6	.20	.01	.08	2	1	860
027025 DR	3	9	13	4	.2	4	2	44	1.42	43	5	ND	1	101	.2	14	2	16	.13	.051	6	14	.04	460	.01	10	.21	.01	.14	2	1	1050
027026 DR	6	68	18	173	.4	47	15	263	3.68	61	5	ND	5	57	.2	5	3	18	.08	.028	3	7	.04	1681	.01	5	.54	.01	.16	1	8	280
027027 DR	4	66	20	190	.6	48	16	246	3.54	19	6	ND	5	53	.2	4	2	16	.02	.028	3	7	.03	1421	.01	4	.56	.01	.17	1	1	270
027028 DR	7	54	25	202	.4	52	15	218	3.20	14	5	ND	5	46	.2	3	2	17	.01	.026	3	8	.04	1288	.01	5	.58	.01	.19	1	1	280
027029 DR	7	56	19	167	.4	57	19	251	3.28	12	5	ND	5	28	.5	5	2	16	.01	.022	3	6	.03	919	.01	3	.50	.01	.16	1	1	270
027030 DR	4	57	21	153	.4	55	20	415	3.54	8	5	ND	6	30	2.0	6	2	14	.02	.038	4	6	.04	926	.01	7	.51	.01	.19	1	4	350
027031 DR	3	46	18	148	.3	50	18	644	3.49	9	8	ND	4	37	2.2	2	3	15	.02	.036	4	7	.05	1184	.01	12	.44	.01	.16	2	2	370
027032 DR	3	49	24	137	.6	54	18	512	3.66	16	5	ND	7	34	2.3	6	2	18	.03	.041	6	11	.06	893	.01	6	.47	.01	.17	1	3	440
027033 DR	3	55	24	139	.2	47	17	419	3.46	16	5	ND	5	45	.9	5	2	14	.04	.038	4	7	.07	1172	.01	5	.50	.01	.18	1	1	400
027034 DR	3	49	19	139	.2	53	18	487	3.50	62	5	ND	4	39	1.3	6	4	16	.05	.028	4	6	.07	848	.01	16	.54	.07	.17	1	1	380
027035 DR	7	60	18	170	.1	71	19	271	3.36	92	5	ND	2	37	.7	10	2	19	.05	.015	3	6	.05	1298	.01	5	.44	.01	.15	1	3	620
027036 DR	19	62	23	140	.3	50	12	91	2.48	29	5	ND	3	29	.2	6	2	22	.03	.021	3	7	.04	984	.01	8	.44	.01	.18	1	37	680
027037 DR	6	63	14	162	.1	53	15	152	2.46	17	5	ND	3	36	2.0	2	2	12	.06	.033	4	5	.07	274	.01	7	.50	.01	.19	1	2	520
027038 DR	11	59	24	150	.2	62	15	368	3.03	24	5	ND	1	82	1.6	5	2	15	.87	.026	3	4	.50	54	.01	5	.37	.01	.17	1	2	600
027039 DR	8	57	23	145	.2	58	16	406	3.17	25	5	ND	2	98	.9	6	2	14	.72	.025	3	5	.61	48	.01	9	.44	.01	.19	1	5	430
027040 DR	14	61	25	160	.4	72	16	314	2.85	49	5	ND	2	100	1.8	12	2	14	.71	.019	4	9	.53	29	.01	7	.43	.01	.17	1	9	400
027041 DR	5	55	24	127	.3	47	16	312	3.32	25	5	ND	3	105	.8	7	2	11	.65	.031	4	5	.68	63	.01	12	.42	.01	.18	1	10	320
027042 DR	4	51	13	129	.2	43	15	389	3.64	23	5	ND	2	98	.2	8	2	8	.69	.022	3	4	.73	66	.01	8	.39	.01	.18	1	6	350
027043 DR	8	45	19	112	.3	48	13	368	3.02	40	5	ND	2	91	.3	9	2	9	.94	.018	3	5	.71	52	.01	4	.34	.01	.16	1	9	440
027044 DR	4	38	11	93	.2	33	11	436	2.82	31	5	ND	2	122	.6	7	2	10	1.22	.020	3	15	.75	90	.01	6	.36	.01	.17	1	3	340
027045 DR	10	49	20	106	.4	60	16	325	3.13	60	7	ND	3	114	.2	15	3	8	.81	.022	3	4	.65	45	.01	6	.32	.01	.16	1	6	500
027046 DR	5	51	20	143	.4	43	16	330	3.31	49	5	ND	3	92	.5	10	2	11	.62	.023	3	5	.63	98	.01	8	.39	.01	.18	1	1	560
027047 DR	11	61	16	134	.6	54	15	290	2.89	129	5	ND	2	86	.9	12	2	10	1.06	.013	3	5	.66	43	.01	8	.36	.01	.19	1	1	830
027048 DR	8	53	17	149	.9	52	14	330	3.13	533	5	ND	4	157	.4	22	2	11	1.14	.009	5	12	.65	30	.01	5	.33	.01	.16	1	320	1200
027049 DR	7	44	21	145	1.2	47	13	343	3.04	1812	5	ND	3	282	.5	30	2	14	1.47	.008	10	4	.75	28	.01	7	.29	.01	.14	1	1350	2000
027050 DR	6	44	27	113	1.0	40	13	409	3.24	3400	7	ND	5	223	.6	27	2	17	1.82	.015	11	8	.91	38	.01	10	.33	.01	.14	1	1500	1500
027051 DR	2	14	20	73	.7	9	9	587	3.09	4101	5	ND	7	500	.2	27	2	21	3.75	.022	15	7	1.41	53	.01	6	.34	.01	.10	1	930	1200
027052 DR	2	11	14	69	.3	12	8	572	2.88	3264	5	ND	6	506	.2	19	2	20	3.56	.033	17	10	1.39	66	.01	5	.34	.01	.09	1	1090	1300
027053 DR	4	30	29	67	.8	26	9	453	2.69	992	5	ND	6	314	.2	20	2	21	1.99	.045	18	7	.87	54	.01	9	.39	.01	.12	1	590	1700
027054 DR	3	23	27	56	.4	15	7	434	2.35	816	5	ND	4	300	.4	20	2	18	2.04	.102	16	6	.82	45	.01	9	.46	.01	.13	1	530	1800
STANDARD C/AU-R	18	62	42	132	7.2	73	32	1055	3.96	41	20	7	36	53	19.7	15	19	56	.46	.097	38	61	.90	183	.07	33	1.89	.06	.14	13	530	1400

218

Bacc 90-219

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	Ng ppb
027055 DR	3	18	17	67	.5	17	7	540	2.97	3838	5	ND	5	250	.8	15	2	23	2.87	.057	13	15	1.24	21	.01	6	.36	.01	.10	7	1760	1600
027056 DR	3	18	28	81	.4	19	8	605	3.04	5430	5	ND	6	284	.7	17	2	28	3.41	.025	15	21	1.34	22	.01	4	.40	.01	.11	8	1670	1700
027057 DR	2	13	18	75	.3	13	8	623	3.10	4832	5	ND	5	313	.5	18	2	28	3.45	.026	14	14	1.36	25	.01	5	.35	.01	.10	7	1610	1600
027058 DR	1	10	29	78	.4	13	6	604	2.63	3938	5	ND	6	260	.4	15	2	31	3.40	.024	15	16	1.33	40	.01	5	.41	.01	.09	7	1660	1900
027059 DR	2	14	23	72	.6	13	7	611	3.00	7726	5	5	6	262	1.2	24	2	26	3.58	.021	14	14	1.48	28	.01	2	.35	.01	.07	7	4280	2108
027060 DR	5	53	91	143	1.1	36	7	444	2.85	2949	5	ND	3	250	.8	24	2	27	2.48	.041	10	33	1.21	21	.01	4	.40	.01	.12	7	1690	2580
027061 DR	8	59	40	148	.4	54	11	168	2.92	1367	5	ND	1	116	1.2	15	2	24	1.41	.014	8	8	.81	11	.01	5	.42	.01	.19	7	180	2400
027062 DR	3	47	9	150	1.1	36	7	409	3.00	1306	6	ND	1	350	.6	18	3	22	7.17	.053	5	14	3.21	21	.01	5	.35	.01	.18	7	1120	2000
STANDARD C/AU-R	18	62	43	133	7.3	72	31	1057	3.97	42	19	8	36	53	19.0	15	22	55	.45	.097	39	61	.89	181	.08	34	1.90	.06	.13	33	530	1300

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9010-054 File # 90-5326 Page 1

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5

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	Hg ppb
027063 DR	1	13	23	109	.3	16	9	716	3.27	3913	5	ND	12	124	.2	19	2	25	1.40	.063	34	9	.15	529	.01	2	.49	.01	.09	1	740	1100
027064 DR	1	14	33	108	.6	15	8	693	3.39	5684	5	2	10	137	.2	30	2	24	1.27	.028	32	8	.13	637	.01	2	.36	.01	.08	1	2350	1500
027065 DR	1	8	27	100	.3	15	8	696	3.16	4985	5	ND	10	86	.2	24	2	27	.36	.031	35	6	.02	664	.01	2	.36	.01	.08	1	1620	1300
027066 DR	5	30	31	232	1.2	49	12	646	3.76	3658	5	ND	8	116	1.1	26	2	41	.26	.060	27	22	.03	1603	.01	3	.51	.01	.09	1	1320	2200
027067 DR	3	46	15	163	1.3	48	10	464	2.48	594	5	ND	4	150	1.3	25	2	24	2.65	.039	18	16	1.29	726	.01	2	.41	.01	.12	1	83	870
027068 DR	3	44	6	132	1.0	41	8	405	2.29	276	5	ND	3	289	.5	11	2	19	6.24	.124	18	16	2.81	1255	.01	6	.50	.01	.20	1	25	780
027069 DR	3	29	11	102	.6	29	8	605	2.45	324	5	ND	2	214	1.4	8	2	11	8.66	.050	12	9	3.86	482	.01	3	.32	.01	.16	1	15	520
027070 DR	2	18	47	126	.7	15	7	563	3.03	6200	5	ND	5	214	1.0	35	2	21	2.26	.054	14	18	.87	139	.01	5	.44	.01	.13	1	1620	1200
027071 DR	1	14	39	132	.5	11	6	539	2.81	4255	5	ND	6	131	.2	30	2	21	1.73	.044	15	10	.57	264	.01	4	.43	.01	.12	1	1470	1800
027072 DR	2	38	24	335	.5	42	11	594	3.28	768	5	ND	5	299	1.9	17	2	29	3.87	.106	17	20	1.55	965	.01	5	.55	.01	.18	1	45	730
027073 DR	1	37	13	237	.4	32	8	573	3.01	401	5	ND	2	137	.4	12	2	10	4.87	.027	12	13	1.93	338	.01	4	.42	.01	.20	1	38	400
027074 DR	2	51	31	404	.5	44	15	1054	4.29	314	5	ND	1	147	4.2	15	2	27	4.71	.052	11	25	1.69	854	.01	4	.51	.01	.19	1	26	620
027075 DR	1	75	10	201	.4	50	31	1539	8.81	180	5	ND	1	164	.3	18	2	94	4.93	.091	13	40	1.68	113	.01	2	.67	.01	.14	1	11	650
027076 DR	1	76	12	159	.4	59	35	1477	9.06	184	5	ND	1	204	.2	18	2	109	5.07	.117	17	41	1.81	578	.01	3	.73	.01	.13	1	3	960
027077 DR	1	77	7	137	.3	74	35	1235	9.03	129	5	ND	1	187	.2	15	2	94	4.02	.105	16	77	1.85	159	.01	6	.68	.01	.15	1	3	700
027078 DR	1	76	5	129	.4	51	37	966	8.36	74	5	ND	1	126	.2	14	2	61	3.65	.096	13	29	1.45	39	.01	5	.71	.01	.21	1	2	730
027079 DR	1	82	8	135	.2	57	39	950	7.77	126	5	ND	1	164	.2	14	2	104	3.08	.164	17	37	1.26	56	.01	7	.96	.01	.19	1	9	1800
027080 DR	1	61	2	123	.2	47	31	1102	7.90	145	5	ND	1	168	.2	9	2	87	11.55	.112	14	32	.73	90	.01	3	.71	.01	.13	1	4	1200
027081 DR	1	48	12	83	.5	34	24	999	5.98	154	5	ND	1	155	.2	8	2	69	18.24	.126	15	21	.44	73	.01	3	.61	.01	.13	1	1	510
027082 DR	1	48	6	108	.3	35	23	1031	5.78	209	5	ND	1	191	.7	9	2	80	15.12	.132	15	31	.96	131	.01	4	.69	.01	.14	1	24	700
027083 DR	1	47	15	82	.3	38	24	1125	5.78	179	5	ND	1	199	.2	10	2	86	17.46	.116	15	25	.80	167	.01	2	.65	.01	.09	1	5	620
027084 DR	1	44	3	105	.3	37	22	1178	6.77	295	5	ND	1	165	.2	10	2	83	16.14	.108	15	28	1.16	682	.01	2	.65	.01	.08	1	5	500
027085 DR	1	48	7	107	.3	34	22	1225	6.44	239	5	ND	1	145	.2	11	2	82	17.06	.133	15	28	1.24	660	.01	3	.64	.01	.11	1	41	390
027086 DR	1	49	26	84	.4	31	22	997	5.31	88	5	ND	1	146	.2	9	2	71	17.95	.136	15	27	1.23	65	.01	3	.70	.01	.15	1	11	380
027087 DR	4	34	23	73	.8	25	7	127	2.16	328	5	ND	2	50	.2	15	2	22	.36	.021	4	10	.09	889	.01	6	.52	.01	.16	1	70	460
027088 DR	3	36	25	63	.3	14	5	62	2.46	56	5	ND	3	48	.2	10	2	20	.13	.032	3	7	.04	1060	.01	6	.52	.01	.17	1	27	370
027089 DR	3	58	17	150	.2	35	12	270	3.50	63	5	ND	3	67	.2	10	2	29	1.44	.053	5	11	.16	1255	.01	5	.61	.01	.18	1	26	430
027090 DR	3	54	24	146	.2	47	11	203	2.85	72	5	ND	2	42	.2	6	2	19	.80	.034	5	19	.09	1061	.01	4	.45	.01	.11	1	24	220
027091 DR	4	73	37	186	.2	44	9	108	2.45	81	5	ND	4	41	.2	5	2	19	.05	.022	12	7	.03	884	.01	4	.50	.01	.14	1	14	200
027092 DR	9	90	54	203	.3	48	12	151	2.60	44	5	ND	7	60	.2	4	2	20	.06	.033	25	6	.04	1548	.01	6	.60	.01	.17	1	9	250
027093 DR	8	71	35	198	.3	50	13	218	3.98	49	5	ND	8	49	.2	3	2	16	.09	.039	26	6	.04	1220	.01	6	.57	.01	.18	1	8	280
027094 DR	12	60	23	154	.3	44	13	190	3.35	22	5	ND	9	51	.2	3	2	18	.03	.030	34	10	.03	1174	.01	5	.58	.01	.21	1	5	300
027095 DR	5	59	25	205	.3	64	17	256	4.40	73	5	ND	6	49	.2	2	2	14	.02	.031	20	5	.03	1072	.01	4	.58	.01	.18	1	7	230
027096 DR	3	54	25	194	.2	62	17	225	3.88	64	5	ND	7	40	.3	2	2	14	.02	.039	30	6	.03	801	.01	3	.56	.01	.18	1	3	130
027097 DR	3	60	45	208	.3	59	16	223	3.44	126	5	ND	8	52	.5	2	2	16	.03	.045	32	6	.03	982	.01	4	.66	.01	.20	1	12	200
027098 DR	4	54	17	182	.2	75	21	435	3.95	78	5	ND	8	50	2.8	2	2	18	.06	.042	35	16	.10	767	.01	6	.65	.01	.24	1	4	250
STANDARD C/AU-R	19	62	40	131	7.5	72	31	1059	3.98	42	20	7	36	52	18.3	15	19	57	.46	.095	38	61	.90	182	.07	31	1.90	.06	.13	12	510	1500

BCRC 90-220

BCRC 90-221

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: CUTTING AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: OCT 16 1990 DATE REPORT MAILED: Oct 19/90. SIGNED BY..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

BCRC 90-221

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	Hg ppb
027099 DR	6	53	51	204	.4	72	18	363	3.96	261	5	ND	8	54	2.0	5	2	15	.09	.039	36	7	.10	621	.01	4	.59	.01	.20	1	3	350
027100 DR	7	62	51	200	.4	79	21	393	4.17	507	5	ND	9	59	1.9	6	2	13	.11	.038	42	7	.25	132	.01	2	.63	.01	.24	1	2	330
027101 DR	10	58	73	203	.5	71	20	533	3.72	1620	5	ND	8	139	3.0	6	2	21	.66	.046	35	11	.35	98	.01	2	.61	.01	.20	1	390	880
027102 DR	17	88	37	196	.4	82	17	548	3.41	1436	5	ND	5	152	3.2	11	4	32	.96	.051	23	14	.49	42	.01	2	.49	.01	.20	1	240	1200
027103 DR	17	77	32	205	.7	79	15	403	3.06	111	5	ND	5	174	2.5	7	2	22	1.02	.036	23	10	.54	36	.01	4	.41	.01	.18	1	11	600
027104 DR	8	47	24	156	.4	41	11	448	3.22	2837	5	ND	6	323	1.3	13	2	24	2.29	.074	21	11	.97	38	.01	2	.40	.01	.20	1	470	2000
027105 DR	3	19	23	101	.2	16	8	545	3.17	2546	5	ND	8	436	.4	14	2	22	3.41	.102	20	10	1.17	60	.01	2	.46	.01	.17	1	270	1500
027106 DR	4	13	23	92	.2	14	7	567	3.14	1121	5	ND	10	425	.2	6	3	28	3.05	.109	28	19	1.13	102	.01	2	.45	.01	.18	1	120	900
027107 DR	1	9	26	80	.1	10	6	606	3.12	176	5	ND	11	305	.8	4	2	23	2.94	.106	38	12	1.18	253	.01	2	.49	.01	.14	1	25	680
027108 DR	2	10	31	83	.1	10	7	610	3.12	1160	5	ND	10	351	1.3	5	2	26	3.22	.103	34	12	1.08	354	.01	2	.56	.01	.13	1	230	750
027109 DR	2	17	24	89	.2	12	8	586	3.23	851	5	ND	11	367	1.3	9	2	43	2.63	.116	38	21	1.08	218	.01	2	.91	.02	.20	1	270	600
027110 DR	2	21	36	114	.6	14	8	702	3.11	832	5	ND	10	341	.8	10	2	27	3.19	.111	32	17	1.03	180	.01	2	.57	.01	.13	1	220	2700
027111 DR	2	5	36	85	.2	10	6	682	3.22	3063	5	ND	10	383	.2	13	2	17	3.89	.097	26	9	1.31	156	.01	2	.51	.01	.16	1	580	1800
027112 DR	2	3	27	93	.1	8	7	730	3.26	81	5	ND	12	335	1.3	8	2	15	3.64	.108	36	10	1.24	258	.01	2	.51	.01	.17	1	11	1100
027113 DR	2	8	27	82	.3	10	7	720	3.38	5499	5	ND	7	218	.6	18	2	19	4.09	.084	14	10	1.30	137	.01	2	.48	.01	.14	1	1120	2500
027114 DR	2	49	34	97	2.3	14	8	741	3.35	493	5	ND	11	229	1.2	23	2	29	2.65	.090	33	18	1.10	494	.01	2	.62	.01	.12	1	44	1800
027115 DR	2	12	30	92	.1	12	8	688	3.17	881	5	ND	11	286	.7	10	2	29	2.52	.090	34	14	1.02	571	.01	2	.61	.01	.12	1	120	820
027116 DR	2	11	30	116	.1	13	8	669	2.87	1433	5	ND	11	230	.3	12	2	29	2.42	.087	30	12	.89	350	.01	2	.54	.01	.12	1	210	1300
027117 DR	2	17	30	78	.3	10	7	639	3.28	4101	5	ND	9	323	.2	18	2	26	3.83	.091	21	13	1.26	149	.01	2	.48	.01	.13	1	540	1400
027118 DR	2	29	23	84	.4	12	7	588	3.36	5279	5	ND	8	409	.2	26	2	24	3.50	.092	23	13	1.18	52	.01	2	.50	.01	.14	1	1010	1900
027119 DR	8	59	25	165	1.3	54	13	307	3.07	4716	5	ND	3	210	1.8	32	2	18	1.39	.011	12	9	.64	36	.01	2	.38	.01	.19	1	2030	2300
027120 DR	3	54	38	117	.2	35	26	474	3.57	172	6	ND	25	47	1.0	7	2	102	.31	.173	82	64	.04	1140	.01	2	.64	.01	.08	1	11	1400
027121 DR	3	65	24	120	.1	28	6	142	3.85	441	5	ND	10	88	1.8	8	3	29	.09	.081	46	16	.05	1156	.01	2	.76	.01	.21	1	31	6600
027122 DR	5	39	31	40	.1	12	3	54	1.39	244	5	ND	7	97	.2	5	2	17	.10	.059	21	14	.06	1026	.01	2	.63	.01	.21	1	13	1200
027123 DR	11	55	34	92	.2	24	6	88	1.88	78	5	ND	5	69	.2	6	2	18	.07	.037	11	8	.05	904	.01	2	.59	.01	.20	1	13	720
027124 DR	5	65	29	121	.2	40	11	231	2.92	63	5	ND	7	82	.2	10	2	16	.06	.049	23	8	.05	1048	.01	2	.58	.01	.18	1	3	520
027125 DR	8	72	20	207	.1	66	15	416	3.98	80	5	ND	8	56	.8	7	2	19	.07	.037	36	7	.05	1065	.01	2	.60	.01	.19	1	4	530
027126 DR	5	61	36	161	.2	48	14	159	3.01	112	5	ND	7	64	.2	7	2	17	.05	.040	32	13	.05	901	.01	2	.58	.01	.20	1	5	490
027127 DR	9	60	40	213	.2	98	25	333	3.66	228	5	ND	7	71	1.4	7	2	21	.05	.032	29	9	.05	1073	.01	2	.62	.01	.19	1	14	470
027128 DR	7	56	30	189	.1	62	19	248	3.53	284	5	ND	8	67	.9	8	2	20	.03	.034	30	6	.04	1194	.01	2	.60	.01	.21	1	21	320
027129 DR	4	44	18	177	.2	37	14	158	3.20	727	5	ND	7	76	1.6	10	2	21	.04	.039	26	6	.05	829	.01	2	.55	.01	.21	1	470	330
027130 DR	9	72	29	223	.3	56	14	193	3.20	388	5	ND	8	88	2.1	10	2	28	.06	.059	36	18	.06	1067	.01	6	.55	.01	.20	1	33	830
027131 DR	17	102	36	624	2.1	90	13	840	4.00	1660	5	ND	6	584	15.5	41	2	368	3.92	.385	33	58	1.49	96	.01	7	.77	.01	.19	1	560	6800
027132 DR	1	12	23	147	.2	12	7	628	2.98	3517	5	ND	8	476	.4	17	2	24	3.33	.109	21	13	1.21	73	.01	2	.43	.01	.13	1	530	860
027133 DR	2	16	34	131	.2	19	9	628	3.15	2211	5	ND	9	397	1.1	12	2	24	2.60	.093	23	12	1.05	91	.01	2	.51	.01	.15	1	400	1100
027134 DR	2	12	21	109	.2	10	8	621	2.96	893	5	ND	12	333	.7	9	2	30	2.26	.102	37	17	1.10	240	.01	2	.55	.01	.14	1	250	950
STANDARD C/AU-R	19	63	42	133	7.5	73	32	1060	3.98	43	17	8	37	52	18.4	15	22	58	.46	.095	39	59	.90	182	.07	37	1.90	.06	.14	11	540	1300

BCRC 90-222

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	Hg ppb
027135 DR	2	12	24	104	.2	12	8	718	3.26	1025	5	ND	13	359	1.1	9	2	28	2.58	.108	44	15	1.16	199	.01	6	.57	.01	.14	1	230	900
027136 DR	1	15	26	130	.4	13	7	765	3.48	3607	5	ND	11	354	.4	14	2	24	3.31	.107	34	13	1.25	251	.01	3	.62	.01	.15	1	720	1300
027137 DR	2	11	26	91	.3	13	7	711	3.35	6124	5	ND	8	509	1.0	21	2	25	3.81	.085	24	12	1.36	185	.01	2	.51	.01	.13	1	1400	1500
027138 DR	1	12	30	99	.2	16	10	798	3.43	1639	5	ND	11	391	.2	12	2	32	2.97	.111	35	16	1.19	323	.01	5	.62	.01	.14	1	340	1100
027139 DR	2	15	21	167	.4	15	7	720	3.55	2122	5	ND	11	387	1.4	13	2	32	3.01	.110	34	13	1.18	87	.01	4	.74	.01	.15	1	420	1400
027140 DR	2	13	20	162	.4	10	8	748	3.49	4388	5	ND	9	436	.3	15	2	30	3.21	.100	27	15	1.23	103	.01	4	.68	.01	.14	1	930	1500
027141 DR	2	13	26	121	.3	11	8	733	3.22	1822	5	ND	11	371	.2	10	2	32	2.75	.106	34	16	1.12	128	.01	4	.77	.01	.15	1	310	1400
027142 DR	2	10	32	115	.1	9	7	701	3.28	2098	5	ND	11	472	.9	8	2	31	3.03	.096	34	14	1.22	115	.01	3	.67	.01	.15	1	360	860
027143 DR	1	20	33	115	.3	11	8	685	3.16	1038	5	ND	10	406	1.0	12	2	29	2.49	.096	39	14	1.04	263	.01	6	.77	.01	.16	1	250	1200
027144 DR	9	43	36	180	.5	38	9	480	2.99	135	5	ND	7	226	1.2	9	2	41	1.58	.062	29	15	.78	188	.01	5	.69	.01	.18	1	12	1300
027145 DR	2	63	21	140	.3	41	12	192	3.07	125	7	ND	9	76	.5	5	2	22	.15	.063	44	12	.08	1402	.01	7	.74	.01	.28	1	36	440
027146 DR	2	61	36	136	.2	45	14	268	3.53	89	5	ND	9	73	1.3	2	2	22	.15	.063	41	11	.08	1307	.01	8	.83	.01	.30	1	26	380
027147 DR	3	55	25	120	.2	36	13	453	3.56	62	5	ND	9	62	.2	4	2	28	.13	.062	43	11	.08	935	.01	5	.84	.01	.28	1	16	560
027148 DR	1	8	40	84	.3	8	7	665	3.67	45	5	ND	10	259	.2	4	2	30	2.92	.112	45	12	.70	300	.01	2	.80	.01	.21	1	10	520
027149 DR	1	7	27	90	.2	5	7	743	3.86	14	5	ND	11	219	.2	4	2	28	3.70	.107	47	10	.66	604	.01	2	.80	.01	.21	1	7	280
027150 DR	2	7	29	88	.2	8	8	814	3.90	21	5	ND	11	79	.2	2	2	29	2.87	.108	48	8	.13	620	.01	2	.76	.01	.18	1	9	540
027151 DR	1	6	33	97	.1	5	9	1068	4.16	20	5	ND	11	88	.3	3	2	34	.90	.066	44	6	.09	811	.01	2	.69	.01	.17	1	3	730
027152 DR	3	35	21	110	.1	26	11	527	3.47	41	5	ND	7	85	.7	3	2	27	.99	.046	35	9	.09	1049	.01	4	.68	.01	.22	1	8	560
027153 DR	2	53	19	126	.3	43	12	363	3.39	74	5	ND	7	55	.2	2	3	18	.18	.054	27	7	.08	454	.01	7	.64	.01	.25	1	10	450
027154 DR	2	50	7	115	.2	39	12	427	3.38	82	5	ND	8	56	.2	2	3	20	.17	.054	34	7	.07	563	.01	10	.64	.01	.25	1	9	440
027155 DR	11	71	28	174	.3	71	17	299	3.64	26	5	ND	6	63	1.2	2	2	21	.11	.035	24	8	.06	1378	.01	4	.66	.01	.26	1	5	890
027156 DR	9	69	22	167	.3	64	17	312	3.65	29	5	ND	8	68	2.2	4	3	21	.08	.044	36	9	.07	1276	.01	7	.67	.01	.26	1	5	760
027157 DR	11	58	31	145	.4	61	16	487	3.80	82	5	ND	10	140	.9	3	2	21	.67	.036	48	14	.32	710	.01	4	.64	.01	.23	1	4	1300
027158 DR	2	47	27	119	.3	33	14	939	4.34	437	5	ND	13	289	.2	5	2	47	4.17	.150	48	43	1.64	620	.01	3	.79	.01	.16	1	3	1800
027159 DR	3	42	30	164	.4	31	12	796	3.40	1333	5	ND	10	276	1.8	11	2	57	3.11	.092	38	41	1.15	532	.01	2	.78	.01	.12	1	200	4200
027160 DR	1	17	24	118	.4	11	8	787	3.42	2863	5	ND	9	620	.2	15	2	27	3.52	.094	28	14	1.25	62	.01	8	.69	.01	.19	1	440	1500
027161 DR	1	9	44	118	.6	8	7	792	3.21	4957	5	ND	7	618	.2	21	5	27	3.37	.056	19	13	1.31	46	.01	5	.55	.01	.16	1	980	2400
027162 DR	2	10	31	118	.4	10	8	781	3.28	3810	5	ND	8	493	.2	19	3	28	3.17	.039	21	14	1.24	76	.01	2	.56	.01	.13	1	920	2200
027163 DR	1	11	17	112	.4	9	7	615	2.85	3560	5	ND	9	327	.2	20	2	27	2.31	.039	26	13	.93	376	.01	2	.62	.01	.13	1	1350	2300
027164 DR	1	13	35	114	.3	13	8	612	2.71	2519	5	ND	9	310	.7	18	2	27	2.04	.037	25	13	.83	391	.01	2	.58	.01	.13	1	600	2500
027165 DR	1	12	30	156	.4	11	8	621	3.07	3449	5	ND	9	300	.2	31	2	27	1.86	.028	28	13	.77	385	.01	2	.58	.01	.11	1	1250	3300
027166 DR	1	13	64	158	.6	9	7	748	2.98	4064	5	ND	9	316	.5	30	2	25	1.83	.029	27	11	.76	369	.01	2	.56	.01	.12	1	1120	2800
027167 DR	1	15	72	115	.7	7	7	755	2.87	4608	5	ND	8	345	.2	30	2	25	1.85	.030	23	12	.80	271	.01	2	.48	.01	.10	1	1540	3200
027168 DR	1	10	19	127	.6	10	7	547	3.04	5971	5	ND	7	408	.2	38	4	23	2.00	.029	22	11	.89	129	.01	2	.48	.01	.10	1	1920	2900
027169 DR	1	10	20	146	.7	9	7	547	2.95	5499	5	ND	8	378	.5	26	2	21	1.83	.025	26	10	.82	103	.01	2	.47	.01	.10	1	2040	2800
027170 DR	5	41	14	541	1.0	53	8	261	3.19	4158	5	ND	6	246	4.1	36	5	109	.78	.059	23	17	.34	283	.01	2	.78	.01	.09	1	1930	4500
STANDARD C/AU-R	18	61	41	131	7.2	71	31	1056	3.97	43	20	7	37	52	18.6	18	21	57	.44	.094	39	60	.89	182	.07	33	1.90	.06	.13	11	540	1500

BCRC 90-223

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	Hg ppb
027171 DR	1	19	23	101	.6	12	7	536	2.86	7305	5	ND	4	318	1.1	22	2	21	2.50	.026	12	12	1.04	70	.01	2	.49	.01	.09	1	3480	1300
027172 DR	1	23	24	94	.8	8	7	522	2.91	8571	5	2	5	343	.2	28	2	21	3.03	.024	14	12	1.22	67	.01	4	.47	.01	.12	1	3610	1800
027173 DR	1	19	29	113	.4	7	7	589	3.02	7870	5	ND	5	374	.2	30	2	23	3.41	.025	14	14	1.28	90	.01	2	.41	.01	.13	1	2320	1200
027174 DR	1	13	26	101	.4	7	7	594	3.04	6267	5	ND	5	422	.2	28	2	22	3.40	.027	12	12	1.27	97	.01	2	.45	.01	.13	1	1700	1100
027175 DR	1	18	42	159	.3	32	9	393	3.27	4186	5	ND	11	141	.2	28	2	38	.40	.033	33	9	.11	579	.01	2	.57	.01	.12	1	1160	2000
027176 DR	1	19	38	136	.8	26	6	409	3.24	6052	5	2	7	221	.2	29	2	26	.73	.030	28	10	.24	413	.01	3	.46	.01	.08	1	2640	1800
027177 DR	1	14	33	121	.4	9	8	779	3.52	6906	5	ND	9	231	.2	24	2	25	1.40	.026	30	11	.38	321	.01	3	.41	.01	.10	1	1870	1500
027178 DR	1	12	40	128	.4	8	9	838	3.47	4969	5	ND	9	218	.3	23	2	23	1.70	.026	28	7	.35	314	.01	3	.43	.01	.11	1	920	1200
027179 DR	1	13	52	149	.4	10	9	841	3.50	4720	5	ND	9	286	.2	24	2	27	2.19	.028	25	12	.53	160	.01	3	.46	.01	.11	1	770	1400
027180 DR	1	9	29	152	.3	8	8	711	3.49	4524	5	ND	7	446	.4	24	2	25	2.72	.037	23	13	.98	123	.01	2	.41	.01	.10	1	1120	1300
027181 DR	1	13	30	92	.2	5	7	634	3.27	5658	5	ND	7	396	.2	21	2	24	2.51	.028	19	12	.88	101	.01	2	.42	.01	.10	1	780	1200
027182 DR	4	33	40	138	.7	19	3	68	1.86	768	5	ND	8	98	.5	17	2	59	.26	.026	37	9	.10	1150	.01	10	.59	.01	.21	1	210	3300
027183 DR	10	22	32	60	.3	18	3	23	1.46	223	5	ND	6	71	.2	18	2	32	.16	.023	35	6	.06	812	.01	12	.49	.01	.23	1	36	1600
027184 DR	9	33	75	74	.5	20	3	68	2.03	389	5	ND	4	155	.2	36	2	47	.17	.044	20	10	.07	876	.01	13	.59	.01	.25	1	100	1800
027185 DR	1	17	34	110	.4	10	6	483	2.80	2419	5	ND	4	243	.2	25	2	21	1.78	.068	10	9	.66	85	.01	6	.47	.01	.14	1	1130	1500
027186 DR	1	17	46	116	.7	5	8	520	2.90	4528	5	ND	4	289	.4	36	2	21	2.25	.072	9	11	.81	78	.01	8	.43	.01	.15	1	1840	1400
027187 DR	1	11	39	78	.6	4	6	521	2.74	6046	5	2	3	265	.2	44	2	18	2.37	.052	7	10	.85	98	.01	6	.40	.01	.13	1	2920	1300
027188 DR	3	54	40	176	1.0	26	7	504	3.13	3389	5	ND	4	349	1.2	33	2	52	3.27	.435	13	41	1.05	87	.01	11	.82	.01	.18	1	1320	3400
027189 DR	2	48	8	301	1.3	39	11	608	3.11	900	5	ND	1	232	1.2	23	2	18	5.71	.062	8	17	2.72	227	.01	2	.44	.01	.19	1	690	1500
027190 DR	1	22	30	138	.4	14	7	440	3.95	7187	5	ND	10	91	.2	29	2	24	.19	.030	36	6	.01	624	.01	2	.41	.01	.11	1	1510	1600
027191 DR	1	16	30	165	.4	17	9	436	3.93	5760	5	ND	10	104	.2	59	2	30	.20	.038	39	6	.04	1069	.01	2	.43	.01	.10	1	1570	1400
027192 DR	2	15	31	108	.4	18	7	386	3.15	3036	5	ND	8	94	.2	37	2	30	.14	.039	31	7	.04	796	.01	2	.43	.01	.07	1	1720	1600
027193 DR	1	17	21	107	.5	16	6	408	3.87	3539	5	ND	7	205	.2	39	2	33	.21	.049	27	11	.06	571	.01	2	.41	.01	.12	1	1740	1700
027194 DR	1	11	27	100	.4	12	8	602	3.37	4338	5	ND	6	492	.2	22	2	28	2.40	.075	17	14	1.03	103	.01	2	.46	.01	.11	1	1270	1400
027195 DR	1	16	34	128	.2	15	8	689	3.82	5174	5	ND	7	277	.2	33	2	25	1.81	.072	18	14	.71	79	.01	2	.53	.01	.12	1	940	1200
027196 DR	1	13	31	107	.2	7	7	691	3.38	2753	5	ND	8	244	.2	14	2	22	2.62	.088	23	14	1.10	113	.01	2	.49	.01	.11	1	530	1300
027197 DR	1	14	30	121	.2	10	9	891	3.44	1790	5	ND	10	290	.2	13	2	31	2.37	.071	30	16	.94	346	.01	2	.54	.01	.11	1	380	1100
027198 DR	1	13	24	96	.2	5	7	805	3.48	4638	5	ND	7	391	.2	18	2	28	3.61	.062	21	12	1.38	179	.01	2	.48	.01	.13	1	1140	1400
027199 DR	1	11	25	72	.3	6	7	803	3.46	6132	5	2	6	437	.2	21	2	26	3.80	.059	20	14	1.42	118	.01	2	.43	.01	.11	1	2160	1600
027200 DR	1	13	24	113	.2	7	8	767	3.54	3342	5	ND	6	340	.2	18	2	26	3.06	.053	20	16	1.23	189	.01	2	.47	.01	.11	1	900	1300
027201 DR	1	10	31	134	.1	7	8	845	3.52	1807	5	ND	7	374	.2	17	2	30	2.90	.036	20	16	1.22	342	.01	2	.49	.01	.10	1	410	1200
027202 DR	1	9	45	118	.4	7	7	1029	3.22	2351	5	ND	5	487	.5	18	2	28	3.59	.031	15	15	1.45	94	.01	2	.35	.01	.09	1	630	1300
027203 DR	2	27	45	143	.4	24	10	616	3.41	2755	5	ND	4	246	.2	26	2	19	2.22	.026	19	11	.92	75	.01	2	.42	.01	.15	1	820	1600
027204 DR	1	38	34	85	.1	12	12	650	4.80	669	5	ND	11	83	.2	19	2	41	.26	.086	42	6	.08	770	.01	2	.61	.01	.09	1	110	1200
027205 DR	1	30	21	131	.1	11	12	899	3.82	242	5	ND	15	36	.2	9	7	52	.33	.137	53	9	.04	332	.01	2	.57	.01	.10	1	40	1100
027206 DR	1	15	13	103	.1	8	11	604	3.33	161	5	ND	15	53	.2	7	2	60	.55	.140	50	14	.13	273	.01	2	.63	.01	.10	1	47	2200
STANDARD C/AU-R	18	59	44	130	7.1	73	32	1053	3.95	41	18	7	36	53	18.5	15	19	56	.46	.094	36	56	.92	180	.07	33	1.89	.06	.13	12	520	1300

BCRC 90-224

BCRC 90-225

BCRC 90-226

BC RC 90-226

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	Hg ppb
027207 DR	2	10	43	96	.1	4	11	821	4.12	104	5	ND	13	83	.6	6	2	47	.38	.107	45	11	.05	730	.01	2	.81	.01	.10	1	10	1500
027208 DR	1	30	30	78	.1	5	10	693	4.22	619	5	ND	10	202	.4	25	2	35	1.32	.097	35	13	.52	188	.01	7	.83	.01	.17	1	27	1100
027209 DR	1	21	52	191	.3	10	12	528	4.10	605	5	ND	10	100	.2	23	2	39	.15	.062	37	10	.08	489	.01	9	.92	.01	.16	1	51	850
027210 DR	2	60	38	130	.1	27	15	1148	3.42	346	5	ND	16	122	.8	19	2	71	.09	.073	48	57	.05	1624	.01	2	1.01	.01	.08	1	16	2000
027211 DR	3	58	26	145	.3	39	14	301	3.66	208	5	ND	6	84	1.8	17	2	28	.27	.037	27	15	.23	119	.01	6	.61	.01	.21	1	26	680
027212 DR	4	55	29	147	.3	40	11	312	3.16	85	5	ND	5	92	.2	15	2	16	.59	.027	23	10	.43	94	.01	6	.50	.01	.23	1	12	520
027213 DR	8	126	21	502	2.0	51	6	233	2.16	88	5	ND	2	252	9.0	22	2	150	1.94	.308	13	28	.77	98	.01	9	.68	.01	.20	1	16	1100
027214 DR	11	113	97	590	2.6	49	4	476	1.95	67	5	ND	2	218	12.7	42	2	228	3.06	.282	13	32	1.24	129	.01	8	.62	.01	.16	1	11	1050
027215 DR	5	53	89	601	1.0	30	5	649	2.70	76	5	ND	4	254	9.0	34	2	185	2.45	.223	25	28	.87	390	.01	7	.65	.01	.17	1	12	900
027216 DR	3	25	36	238	.1	17	7	532	2.35	92	5	ND	9	237	.5	25	3	30	2.22	.081	29	11	.74	606	.01	16	.66	.01	.25	1	8	560
027217 DR	2	19	35	91	.1	5	5	414	1.62	65	5	ND	10	137	.2	19	2	21	1.29	.051	29	10	.49	869	.01	13	.67	.01	.23	1	8	470
027218 DR	2	9	28	73	.1	6	4	502	1.91	57	5	ND	10	113	.2	20	2	16	1.43	.041	31	11	.55	760	.01	20	.65	.01	.26	1	11	380
027219 DR	2	3	31	149	.1	10	6	697	2.83	52	5	ND	9	109	.4	20	2	32	.89	.030	30	11	.56	639	.01	9	.59	.01	.16	1	3	560
027220 DR	2	6	41	197	.1	13	7	824	3.51	193	5	ND	9	182	.6	31	2	33	1.49	.037	28	12	.80	738	.01	5	.56	.01	.15	1	19	580
027221 DR	2	7	36	146	.1	11	7	817	3.44	573	5	ND	7	301	.2	29	2	29	2.33	.044	24	21	.94	648	.01	8	.60	.01	.17	1	120	660
027222 DR	2	8	76	181	.3	11	7	761	3.57	218	5	ND	11	365	.2	30	2	32	2.25	.069	36	15	1.06	842	.01	6	.70	.01	.17	1	36	720
027223 DR	3	29	118	288	.6	30	12	835	4.10	156	5	ND	19	756	1.4	45	2	29	3.02	.105	61	23	1.46	1463	.01	4	.70	.01	.18	1	15	1100
STANDARD C/AU-R	19	63	38	133	7.4	72	32	1059	3.98	43	20	7	38	52	18.5	15	18	59	.45	.096	40	59	.90	187	.08	34	1.90	.07	.14	11	530	1600

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJ. 9010-063 File # 90-5417 Page 1

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5

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	Hg ppb
027224 DR	1	51	27	143	.2	36	20	963	4.41	305	5	ND	16	136	1.0	13	2	73	3.46	.179	61	64	.06	1137	.01	4	.68	.01	.05	2	35	1050
027225 DR	1	15	45	93	.2	11	7	585	2.95	177	5	ND	9	70	.2	21	2	20	1.13	.082	37	10	.05	582	.01	9	.54	.01	.14	1	37	480
027226 DR	1	9	41	81	.2	4	5	474	2.48	36	5	ND	10	63	.2	17	2	19	2.04	.071	31	7	.05	395	.01	12	.51	.01	.15	1	14	300
027227 DR	1	7	42	86	.2	6	6	539	2.49	19	5	ND	9	66	.2	13	2	19	2.48	.072	28	6	.07	368	.01	11	.52	.01	.13	1	4	280
027228 DR	2	7	39	78	.2	6	6	507	2.45	14	5	ND	10	77	.2	13	2	20	2.11	.068	27	7	.08	534	.01	10	.49	.01	.12	1	6	310
027229 DR	2	7	38	76	.3	4	5	565	2.42	16	5	ND	10	154	.2	12	2	25	2.23	.068	28	8	.31	478	.01	8	.52	.01	.13	2	3	370
027230 DR	1	6	36	95	.2	8	7	659	2.65	29	5	ND	7	155	.2	11	2	18	1.81	.056	23	8	.40	479	.01	12	.52	.01	.14	1	5	540
027231 DR	2	4	40	99	.1	8	5	608	2.43	18	5	ND	9	67	.2	10	2	21	2.05	.075	28	5	.07	303	.01	9	.38	.01	.10	2	3	360
027232 DR	1	5	71	188	.3	7	6	520	2.35	31	5	ND	9	236	.4	6	2	17	2.50	.068	29	5	.61	234	.01	10	.49	.01	.14	1	9	510
027233 DR	1	4	25	87	.2	6	5	451	2.22	12	5	ND	8	196	.2	5	2	14	1.86	.061	28	4	.40	160	.01	9	.44	.01	.15	1	2	880
027234 DR	2	3	32	72	.1	9	6	601	2.33	19	5	ND	9	111	.2	7	8	16	1.76	.072	32	5	.20	186	.01	7	.47	.01	.16	2	5	900
027235 DR	1	13	21	49	.2	8	5	455	2.35	23	5	ND	9	218	.2	6	2	12	1.95	.073	27	3	.43	172	.01	11	.37	.01	.12	1	5	1200
027236 DR	2	8	43	86	.2	9	6	543	2.66	35	8	ND	10	143	.3	9	3	18	1.75	.077	30	8	.28	338	.01	10	.56	.01	.14	3	3	630
027237 DR	3	40	45	154	.2	38	19	1051	5.35	215	6	ND	10	183	1.9	18	2	64	1.20	.149	53	50	.09	1182	.01	9	.70	.01	.10	2	13	1100
027238 DR	1	5	40	73	.1	6	5	467	2.24	8	5	ND	10	130	.2	7	2	26	2.14	.071	30	7	.25	289	.01	10	.54	.01	.13	1	1	290
027239 DR	2	7	47	97	.1	5	6	794	2.76	78	5	ND	7	198	.2	11	2	19	2.07	.067	22	8	.52	453	.01	12	.38	.01	.12	1	5	420
027240 DR	2	13	89	135	.4	11	7	777	2.82	378	5	ND	9	209	.2	20	2	17	1.74	.070	29	11	.34	778	.01	10	.57	.01	.16	1	14	660
027241 DR	2	16	70	165	.5	12	7	512	2.88	2820	5	ND	9	141	.2	25	2	22	.94	.071	33	7	.22	589	.01	10	.54	.01	.13	1	1040	1100
027242 DR	1	8	35	76	.3	9	5	455	2.38	4203	5	ND	4	168	.2	26	2	15	1.61	.044	14	9	.51	157	.01	7	.46	.01	.12	1	1150	1200
027243 DR	1	7	38	81	.2	6	6	546	2.33	3069	5	ND	6	238	.2	21	2	18	2.52	.051	14	4	.76	157	.01	9	.45	.01	.13	1	790	1100
027244 DR	2	5	37	78	.7	9	5	514	2.44	4107	5	3	6	224	.2	26	2	16	2.53	.061	13	14	.81	120	.01	11	.47	.01	.12	1	1870	1050
027245 DR	2	4	33	407	.2	16	5	440	2.38	1929	5	ND	6	118	.2	30	2	20	1.21	.056	19	5	.20	473	.01	7	.45	.01	.12	1	600	1200
027246 DR	4	10	34	259	.2	13	5	476	2.36	1757	5	ND	6	177	.2	25	2	20	1.57	.063	19	21	.41	356	.01	8	.47	.01	.13	1	480	920
027247 DR	3	7	38	656	.3	19	6	479	2.53	2430	5	ND	8	116	.2	102	2	21	.70	.071	22	5	.17	464	.01	9	.45	.01	.13	1	720	1100
027248 DR	3	8	39	468	.2	18	6	528	2.42	2668	5	ND	7	177	.2	394	2	21	1.44	.068	17	20	.38	275	.01	10	.47	.01	.14	1	950	1400
027249 DR	1	7	47	264	.4	11	5	625	2.43	3490	5	ND	6	200	.2	296	2	17	1.66	.044	17	5	.51	122	.01	7	.40	.01	.12	1	1460	1200
027250 DR	3	9	39	183	.1	10	4	506	2.12	589	5	ND	6	218	.2	79	2	21	1.68	.028	17	19	.54	531	.01	5	.41	.01	.12	1	200	760
027251 DR	2	6	41	209	.3	10	5	432	2.14	1062	5	ND	7	169	.2	43	2	18	1.25	.030	21	6	.38	582	.01	10	.42	.01	.12	1	470	730
027252 DR	3	5	35	116	.2	4	6	657	2.41	225	5	ND	7	196	.2	29	3	19	1.97	.025	21	19	.65	542	.01	8	.47	.01	.12	1	66	620
027253 DR	2	5	32	156	.2	11	6	581	2.20	469	5	ND	8	209	.2	38	2	21	1.48	.041	18	5	.42	440	.01	10	.42	.01	.11	2	16	750
027254 DR	2	4	35	86	.1	8	5	554	1.84	131	5	ND	7	231	.2	15	3	19	2.21	.021	19	17	.68	410	.01	7	.41	.01	.12	1	33	660
027255 DR	1	5	34	92	.1	7	6	571	2.20	111	5	ND	7	266	.2	19	2	20	2.31	.022	20	5	.73	391	.01	6	.44	.01	.13	1	24	480
027256 DR	2	4	24	104	.1	7	4	497	2.10	176	5	ND	6	231	.2	20	2	20	1.69	.019	16	19	.58	316	.01	6	.39	.01	.12	1	12	450
027257 DR	2	4	34	122	.1	9	5	511	2.14	1620	5	ND	5	227	.2	31	2	20	1.97	.020	15	6	.59	342	.01	5	.41	.01	.11	1	350	700
027258 DR	1	5	26	88	.2	6	5	573	2.30	206	5	ND	8	304	.2	15	2	22	2.33	.054	23	5	.72	318	.01	6	.41	.01	.11	1	43	680
027259 DR	1	6	30	70	.1	1	4	535	2.20	30	5	ND	7	299	.2	6	2	21	2.55	.060	23	5	.77	182	.01	6	.40	.01	.14	1	4	630
STANDARD C/AU-R	19	58	37	134	7.2	72	32	1057	3.97	43	21	7	36	53	18.9	15	22	57	.45	.094	38	60	.90	182	.07	33	1.90	.06	.14	13	540	1400

Boec 90-227

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: CUTTING AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: OCT 19 1990 DATE REPORT MAILED: Oct 24/90 SIGNED BY. . . . . D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

BCRC 90-228

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	Hg ppb
027260 DR	1	8	26	69	.1	3	4	457	2.01	37	5	ND	8	298	.2	5	2	21	2.27	.062	23	6	.68	131	.01	6	.38	.01	.16	1	15	820
027261 DR	2	17	38	91	.1	7	7	591	2.96	240	5	ND	12	139	.3	12	6	29	3.11	.108	40	10	.17	229	.01	6	.43	.01	.15	1	35	310
027262 DR	2	13	37	94	.1	6	8	563	3.01	432	5	ND	12	340	.8	13	2	37	3.12	.099	36	13	.52	446	.01	7	.54	.01	.12	1	92	900
027263 DR	1	13	18	99	.1	10	8	741	3.36	36	5	ND	13	386	.5	4	2	42	2.96	.112	46	14	.66	556	.01	5	.57	.01	.11	1	5	780
027264 DR	1	15	35	91	.1	7	8	631	3.13	24	5	ND	13	350	.5	6	2	33	3.02	.108	45	11	1.07	481	.01	2	.44	.01	.09	1	3	620
027265 DR	2	19	37	120	.2	7	8	693	3.26	45	5	ND	15	356	1.2	10	2	38	2.83	.114	48	12	1.08	669	.01	9	.61	.01	.10	1	4	410
027266 DR	1	22	76	137	.2	8	7	715	3.30	495	5	ND	12	350	.9	14	2	35	2.96	.105	38	11	1.15	702	.01	5	.42	.01	.08	1	6	400
027267 DR	3	55	35	164	.1	35	18	667	4.77	200	5	ND	17	297	2.2	13	3	100	2.17	.165	65	84	.11	2729	.01	6	.84	.01	.04	1	9	1100
027268 DR	2	13	35	137	.1	13	10	963	3.80	181	5	ND	12	165	1.5	11	2	44	1.61	.110	47	16	.09	1385	.01	6	.72	.01	.10	1	7	460
027269 DR	5	68	74	785	.5	48	6	338	2.58	178	5	ND	7	119	13.5	9	2	493	.63	.090	42	27	.09	1107	.01	13	.73	.01	.22	1	14	4200
027270 DR	2	30	32	224	.1	23	12	737	3.81	71	5	ND	23	357	2.5	6	2	54	3.24	.114	65	25	.80	521	.01	6	.38	.01	.10	1	3	1600
027271 DR	3	38	76	271	.3	25	9	612	3.33	55	5	ND	17	260	3.0	5	2	115	2.29	.102	55	24	.63	567	.01	6	.64	.01	.17	1	7	1800
027272 DR	1	24	42	229	.1	19	10	489	2.99	61	5	ND	10	123	1.1	8	2	41	1.55	.091	41	20	.17	981	.01	3	.56	.01	.12	1	2	1100
027273 DR	2	52	34	214	.2	36	18	816	4.37	91	5	ND	15	200	1.4	10	2	94	2.79	.150	55	75	.62	1364	.01	2	.69	.01	.04	1	2	1400
027274 DR	1	37	26	118	.3	20	12	652	2.96	179	5	ND	11	150	.7	14	6	54	2.65	.112	37	36	.64	624	.01	7	.41	.01	.11	1	10	1600
027275 DR	2	15	63	160	.1	8	6	484	2.25	201	5	ND	8	115	.7	20	2	17	1.55	.069	34	8	.47	395	.01	7	.46	.01	.22	1	9	1200
027276 DR	1	14	34	86	.2	3	5	518	2.27	1954	5	ND	7	187	.8	21	5	19	2.25	.025	29	5	.71	308	.01	13	.46	.01	.18	1	390	1300
027277 DR	2	10	45	77	.1	6	5	611	2.36	1485	5	ND	7	196	.2	19	5	13	2.73	.018	26	13	.81	194	.01	8	.43	.01	.17	1	280	1100
027278 DR	1	13	70	105	.2	7	7	558	2.31	1600	5	ND	8	195	.2	22	2	16	2.33	.024	28	6	.69	309	.01	10	.41	.01	.16	1	240	1400
027279 DR	2	12	32	93	.1	9	8	735	2.88	1805	5	ND	8	247	.2	19	2	31	2.37	.019	28	18	.76	270	.01	5	.43	.01	.12	1	180	1100
027280 DR	1	16	34	132	.2	10	8	739	2.98	1129	5	ND	9	384	1.0	17	2	46	3.08	.033	26	13	1.00	480	.01	6	.47	.01	.12	1	170	1100
027281 DR	2	17	26	116	.1	10	8	720	2.84	691	5	ND	8	271	.3	15	2	37	2.73	.051	25	20	.95	572	.01	3	.48	.01	.12	1	110	1050
027282 DR	1	13	22	98	.1	7	8	576	2.54	1947	5	ND	7	189	.2	16	2	27	2.69	.026	20	8	.89	253	.01	6	.43	.01	.10	1	270	2200
027283 DR	2	12	26	122	.1	11	7	674	2.43	1579	5	ND	9	200	.2	20	2	28	2.82	.041	24	17	.90	414	.01	6	.44	.01	.10	1	290	1600
027284 DR	1	8	21	106	.2	9	8	621	2.19	1040	5	ND	11	194	.2	20	2	27	2.71	.084	30	8	.87	712	.01	3	.52	.01	.11	1	220	1300
027285 DR	2	9	17	115	.1	10	7	611	2.27	1073	5	ND	9	228	1.0	13	2	27	2.57	.037	28	16	.88	555	.01	4	.47	.01	.10	1	200	1100
027286 DR	2	19	22	184	.1	19	10	504	2.70	1313	5	ND	7	224	.8	17	2	31	1.95	.031	29	10	.69	529	.01	4	.54	.01	.12	1	230	1200
027287 DR	6	38	29	104	.2	26	12	523	3.33	260	5	ND	7	255	.8	6	2	28	1.46	.051	34	28	.84	782	.01	6	.59	.01	.17	1	22	660
027288 DR	2	18	31	95	.1	11	10	660	3.28	313	6	ND	10	351	.6	7	2	31	2.68	.082	31	10	1.12	660	.01	10	.49	.01	.14	1	19	820
027289 DR	2	10	32	89	.1	8	8	655	3.13	382	5	ND	10	400	.6	7	2	31	3.08	.094	33	18	1.20	669	.01	8	.50	.01	.14	1	53	800
027290 DR	1	6	19	89	.1	8	7	620	2.88	588	5	ND	9	385	.3	5	2	30	3.05	.090	31	8	1.05	416	.01	11	.44	.01	.13	1	66	840
027291 DR	3	13	33	101	.1	14	9	644	2.92	644	5	ND	10	134	.2	10	2	31	.87	.091	39	22	.24	1209	.01	10	.59	.01	.16	1	100	730
027292 DR	1	9	30	80	.1	7	6	566	2.52	884	5	ND	9	54	.2	9	2	19	1.17	.078	34	6	.08	355	.01	7	.43	.01	.17	1	190	550
027293 DR	2	6	35	77	.1	4	4	500	2.37	147	5	ND	9	217	.2	5	2	18	2.28	.072	27	15	.49	174	.01	7	.44	.02	.18	1	41	300
027294 DR	1	6	26	84	.1	8	6	508	2.50	85	5	ND	8	281	.2	2	4	19	2.43	.074	25	8	.54	199	.01	10	.43	.01	.17	1	16	460
027295 DR	2	9	37	103	.1	6	6	506	2.56	236	5	ND	7	190	.2	5	2	24	1.41	.075	26	7	.40	427	.01	8	.43	.01	.15	1	14	1300
STANDARD C/AU-R	19	59	42	133	7.4	73	32	1058	3.97	43	22	7	36	56	19.5	15	23	58	.45	.093	39	60	.90	186	.07	35	1.90	.06	.14	12	490	1400

BCRC 90-229

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	ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	ppb	Hg ppb
027296 DR	7	73	36	652	.9	75	12	286	4.24	1853	5	ND	6	270	7.5	20	2	49	.35	.147	26	17	.10	2256	.01	13	.68	.01	.17	1	69	1100
027297 DR	6	16	18	170	.7	30	4	93	.99	301	5	ND	3	183	3.1	12	2	114	.11	.053	9	11	.03	1041	.01	10	.32	.01	.11	1	30	1200
027298 DR	6	72	17	517	2.3	52	5	101	2.62	714	5	ND	3	306	21.5	31	2	355	.13	.145	14	32	.04	1583	.01	9	.61	.01	.11	1	55	3300
027299 DR	3	38	12	362	1.0	64	11	726	2.59	610	5	ND	5	273	7.1	15	4	29	3.25	.057	23	12	1.21	82	.01	10	.54	.01	.18	1	97	480
027300 DR	1	20	58	265	.7	11	8	738	3.03	1661	5	ND	11	580	1.9	22	2	35	3.00	.105	30	12	.99	54	.01	10	.35	.01	.10	1	240	1200
027301 DR	2	23	46	260	.5	9	7	934	3.01	3306	5	ND	8	507	1.9	27	4	33	3.26	.092	21	9	1.08	30	.01	14	.47	.01	.14	1	470	1100
027302 DR	2	13	19	135	.6	11	7	627	2.97	3948	5	ND	9	418	.9	22	2	22	3.10	.090	22	7	1.07	40	.01	5	.35	.01	.10	1	1010	880
027303 DR	2	13	25	101	.1	9	7	654	2.91	671	5	ND	11	298	.2	12	2	27	3.02	.087	34	9	1.14	204	.01	2	.55	.01	.11	1	120	480
027304 DR	2	21	116	224	.5	10	8	897	3.09	301	5	ND	12	329	1.4	12	8	37	2.88	.088	38	10	1.16	308	.01	3	.49	.01	.09	1	34	630
027305 DR	1	34	96	326	.3	7	9	795	3.43	348	5	ND	13	290	2.6	16	2	35	2.99	.093	39	11	1.15	244	.01	4	.63	.01	.09	1	40	620
027306 DR	2	10	27	101	.2	10	8	697	2.92	117	5	ND	15	299	.2	18	3	34	2.85	.087	45	12	1.08	1537	.01	3	.49	.01	.07	1	6	420
027307 DR	1	8	42	105	.2	6	7	697	2.79	126	5	ND	11	336	.2	14	2	31	2.72	.081	35	10	1.06	1416	.01	6	.65	.01	.12	1	33	650
027308 DR	2	25	64	138	.4	14	6	531	2.65	1575	5	ND	5	212	.3	27	2	23	1.97	.044	20	9	.78	78	.01	9	.57	.01	.13	1	350	1050
027309 DR	2	24	27	87	1.1	16	9	697	3.01	1045	5	ND	8	320	.5	20	3	34	2.58	.040	25	14	1.05	138	.01	8	.50	.01	.13	1	250	1200
027310 DR	2	22	35	95	.3	18	9	822	3.37	167	5	ND	13	509	.4	15	2	31	3.32	.036	36	20	1.34	118	.01	5	.48	.01	.11	1	35	920
027311 DR	2	26	24	97	.6	17	10	776	3.61	653	5	ND	16	764	.9	18	3	25	3.99	.071	34	18	1.49	58	.01	7	.51	.01	.11	1	220	1400
027312 DR	6	51	23	306	.3	43	13	705	3.03	415	5	ND	10	317	2.4	13	2	78	2.88	.040	29	44	1.08	266	.01	2	.59	.01	.08	1	48	4800
027313 DR	2	37	27	103	.4	22	11	700	2.17	211	5	ND	12	262	.3	11	3	54	2.76	.044	32	49	.95	420	.01	6	.58	.01	.06	1	30	6500
027314 DR	3	53	25	197	.4	20	11	1219	1.97	686	10	ND	10	170	3.2	11	2	60	2.05	.046	30	54	.74	956	.01	6	.60	.01	.05	2	53	8600
027315 DR	6	20	21	307	.8	32	9	734	2.32	803	5	ND	1	216	2.5	15	2	61	3.15	.029	9	16	1.38	564	.01	5	.41	.01	.08	1	660	1400
027316 DR	3	29	22	176	.6	20	9	699	2.86	333	5	ND	10	551	1.3	11	2	64	3.09	.062	31	25	1.22	310	.01	10	.56	.01	.09	1	110	2300
027317 DR	2	30	112	245	.7	10	8	1266	3.25	330	5	ND	11	742	1.1	10	3	38	3.61	.070	33	12	1.39	335	.01	5	.60	.01	.10	1	36	1300
027318 DR	2	32	89	358	.5	12	9	896	3.28	376	5	ND	10	673	3.0	11	2	32	3.63	.091	23	13	1.28	128	.01	6	.55	.01	.14	1	36	1400
027319 DR	1	16	29	130	.2	10	9	687	3.10	329	5	ND	10	538	.7	6	2	43	3.07	.097	27	13	1.21	266	.01	6	.54	.01	.13	1	66	1600
027320 DR	2	12	27	109	.2	8	8	672	3.01	83	6	ND	11	467	.7	5	3	37	2.96	.101	33	16	1.24	272	.01	7	.57	.01	.15	1	22	1500
027321 DR	1	12	24	106	.3	10	7	706	2.92	105	5	ND	12	428	.7	7	2	42	2.94	.098	36	12	1.26	356	.01	7	.61	.01	.12	1	26	1100
027322 DR	2	34	54	160	.3	32	14	1033	4.45	691	5	ND	20	115	1.9	60	5	40	1.33	.046	58	30	.08	1098	.01	5	.56	.01	.10	2	58	1400
027323 DR	2	32	49	117	.5	19	12	722	4.01	365	5	ND	19	174	.6	27	2	37	2.51	.045	53	25	.19	642	.01	5	.50	.01	.11	1	38	1500
027324 DR	1	37	42	125	.4	24	15	875	4.15	1826	5	ND	16	211	1.3	48	2	53	3.19	.083	48	43	.41	955	.01	3	.59	.01	.10	1	1180	2300
027325 DR	1	36	37	179	.9	29	13	671	4.04	3986	5	2	14	136	.7	151	3	40	1.46	.047	47	28	.26	853	.01	6	.49	.01	.12	1	3160	2000
027326 DR	2	15	62	301	.9	24	9	658	3.02	4480	5	3	9	115	.6	148	2	31	.64	.046	36	17	.21	529	.01	5	.52	.01	.17	1	2750	1500
027327 DR	3	76	61	803	3.8	62	9	585	3.46	6208	10	5	7	173	4.9	218	2	110	.45	.146	29	34	.06	1723	.01	8	.51	.01	.08	1	6620	4800
027328 DR	18	120	12	859	4.9	128	6	300	1.45	1088	6	ND	1	190	17.4	122	4	399	.51	.192	15	81	.06	2236	.01	5	.45	.01	.11	1	570	16000
027329 DR	9	151	10	568	2.6	72	4	85	1.04	471	6	ND	1	333	14.5	74	3	416	3.02	1.167	20	97	.07	1729	.01	26	.71	.01	.18	1	130	8700
027330 DR	13	161	14	504	3.0	88	3	73	1.29	653	8	ND	1	258	11.0	68	4	369	1.35	.553	21	132	.09	1308	.01	24	.62	.01	.19	1	190	9200
027331 DR	3	40	28	545	1.1	99	14	1735	4.34	7990	11	3	14	312	1.4	392	2	56	1.34	.072	44	26	.49	140	.01	2	.46	.01	.11	1	4880	2100
STANDARD C/AU-R	19	58	44	133	7.4	73	32	1058	3.98	42	23	7	36	56	19.2	15	19	58	.46	.094	39	60	.90	182	.08	34	1.89	.06	.14	11	490	1500

BCRC 90-229

BCRC 90-230

BCEC 90-230

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	Hg ppb	Hg ppb
027332 DR	3	36	50	174	.7	36	12	742	3.72	8394	5	2	13	572	.5	262	3	38	3.38	.031	31	23	1.17	76	.01	6	.40	.01	.10	2	2300	2000
027333 DR	6	67	28	247	2.0	66	13	406	3.63	2364	5	ND	5	411	2.5	68	2	116	1.89	.071	24	26	.74	238	.01	9	.49	.01	.16	1	730	2800
027334 DR	15	98	13	687	1.6	150	19	482	4.12	1780	5	ND	2	355	5.4	371	2	283	3.23	.084	13	48	1.19	158	.01	12	.56	.01	.17	1	89	3600
027335 DR	3	17	20	152	.2	18	6	479	2.48	830	5	ND	6	278	.7	82	3	45	2.32	.069	19	11	.76	371	.01	14	.46	.01	.15	1	96	1200
027336 DR	2	12	36	85	.1	5	6	489	2.30	1268	5	ND	4	327	.2	30	2	24	2.43	.038	15	7	.79	425	.01	9	.42	.01	.15	2	270	1100
027337 DR	2	12	34	113	.1	8	6	430	2.43	538	5	ND	7	339	.2	238	2	25	2.28	.072	19	7	.66	513	.01	15	.50	.01	.17	1	23	1400
027338 DR	2	17	40	90	.1	7	5	408	2.19	490	5	ND	6	246	.2	150	2	19	2.23	.073	15	6	.62	494	.01	15	.48	.01	.18	1	12	1100
027339 DR	1	14	36	82	.5	5	6	415	2.19	2332	5	ND	5	348	.2	3093	2	17	2.41	.069	12	6	.71	95	.01	13	.44	.01	.15	1	780	1600
027340 DR	2	10	31	73	.3	5	5	447	2.21	3267	5	ND	5	264	.2	2681	3	20	2.28	.064	12	7	.74	113	.01	13	.46	.01	.15	1	300	1300
027341 DR	2	9	32	74	.1	5	5	426	2.04	2975	5	ND	5	253	.2	768	5	21	2.11	.030	13	7	.68	174	.01	9	.42	.01	.12	1	810	1500
027342 DR	2	10	34	72	.2	8	5	432	2.25	2003	5	ND	7	306	.2	228	2	21	2.17	.059	17	8	.65	218	.01	10	.43	.01	.15	1	220	2200
027343 DR	2	16	36	102	.5	12	6	447	2.34	2321	5	ND	8	269	.4	480	4	28	1.96	.075	24	9	.57	362	.01	10	.43	.01	.16	2	670	2500
027344 DR	3	21	36	134	.3	18	6	479	2.41	2196	5	ND	7	299	.4	452	2	43	2.21	.083	23	13	.64	238	.01	10	.45	.01	.16	1	690	2100
027345 DR	2	9	32	70	.1	4	4	428	2.09	2719	5	ND	6	291	.2	666	3	22	2.22	.068	20	7	.64	194	.01	10	.38	.01	.17	2	890	2500
027346 DR	2	15	27	97	.3	11	6	436	2.19	3118	5	ND	7	302	.5	367	2	29	2.17	.076	22	9	.63	221	.01	11	.40	.01	.17	1	910	2300
027347 DR	2	12	21	104	.2	11	5	442	2.25	1672	5	ND	9	275	.2	306	2	27	2.27	.079	27	9	.58	288	.01	9	.41	.01	.17	1	450	1400
027348 DR	3	8	20	81	.1	7	5	465	2.12	343	5	ND	8	243	.2	70	2	21	2.44	.074	23	19	.67	147	.01	10	.48	.01	.19	1	99	1100
027349 DR	1	11	26	89	.2	7	5	492	2.20	1002	5	ND	7	254	.2	49	2	21	2.44	.076	20	6	.67	173	.01	12	.48	.01	.17	1	230	2400
027350 DR	3	11	35	88	.1	8	5	493	2.23	193	5	ND	8	276	.2	34	2	21	2.43	.068	22	13	.70	272	.01	8	.48	.01	.17	1	53	1700
027351 DR	1	9	29	77	.1	2	4	470	2.16	205	5	ND	6	286	.2	40	2	18	2.47	.067	16	5	.70	205	.01	9	.41	.01	.16	1	41	2200
027352 DR	2	9	33	72	.2	5	6	462	2.14	3390	5	ND	6	298	.3	34	2	19	2.42	.061	13	12	.69	246	.01	10	.42	.01	.17	1	570	2700

BCEC 90-231

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	Hg ppb	Hg ppb
027353 DR	1	8	26	63	.1	4	6	424	2.36	2708	5	ND	10	63	.2	31	4	15	.13	.033	26	5	.03	702	.01	9	.45	.01	.12	1	760	1200
027354 DR	2	8	41	73	.1	7	7	566	2.64	3359	5	ND	9	54	.2	37	2	18	.19	.021	22	13	.04	404	.01	11	.42	.01	.12	1	650	1300
027355 DR	2	5	44	82	.1	4	7	600	2.32	1262	5	ND	8	66	.2	33	2	20	.60	.025	23	5	.06	547	.01	8	.43	.01	.12	1	290	1200
027356 DR	2	4	33	83	.2	5	8	754	2.90	1223	5	ND	8	74	.2	45	2	26	.73	.032	25	9	.04	625	.01	6	.37	.01	.09	1	250	1100
027357 DR	1	6	27	73	.1	3	6	546	2.62	1466	5	ND	7	81	.2	69	2	27	1.13	.037	27	8	.05	642	.01	9	.51	.01	.11	3	380	1200
027358 DR	2	6	40	76	.1	3	7	499	2.64	2407	5	ND	10	61	.2	128	2	24	.15	.026	27	11	.03	489	.01	8	.49	.01	.11	1	590	1400
027359 DR	2	4	30	75	.5	4	7	526	2.67	4600	7	2	8	70	.2	140	3	25	.35	.024	23	5	.09	420	.01	9	.38	.01	.10	2	1240	2100
027360 DR	2	6	34	34	.3	3	2	75	.75	735	5	ND	9	145	.2	220	2	27	.07	.066	19	16	.03	1310	.01	10	.56	.01	.11	2	1120	2600
027361 DR	2	3	28	53	.4	1	4	272	1.53	3222	5	ND	5	109	.2	57	2	22	.52	.028	17	3	.20	351	.01	9	.39	.01	.09	1	1180	1600
027362 DR	3	5	36	67	.1	6	5	254	1.65	2901	5	ND	9	73	.2	57	2	23	.20	.021	22	11	.06	444	.01	9	.47	.01	.12	1	1320	1800
027363 DR	2	6	27	36	.5	4	3	81	1.22	1800	5	4	9	83	.2	103	2	20	.10	.027	20	3	.03	551	.01	8	.43	.01	.10	2	2760	2800
027364 DR	2	8	27	57	.6	9	7	354	2.17	5761	5	3	4	105	.3	143	2	27	1.05	.022	15	5	.42	270	.01	10	.38	.01	.08	1	2830	2500
027365 DR	2	22	22	78	1.1	8	6	434	2.51	4706	5	2	4	148	.5	401	2	24	1.35	.021	11	10	.52	232	.01	6	.34	.01	.09	1	2230	2700
027366 DR	2	25	47	122	.8	16	7	151	2.35	3354	5	2	6	86	2.4	1134	2	26	.35	.031	17	7	.11	508	.01	9	.45	.01	.11	1	1760	2000
027367 DR	2	12	35	74	.2	8	6	312	2.42	2700	5	ND	5	98	.6	217	2	19	.87	.035	15	6	.32	371	.01	11	.46	.01	.13	2	630	1200
STANDARD C/AU-R	19	60	39	133	7.4	72	32	1057	3.97	40	19	7	37	56	19.2	19	19	58	.44	.094	39	60	.90	178	.07	38	1.89	.06	.14	12	530	1600

BCRC 90-231

BCRC 90-232

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	W 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	Hg ppb
027368 DR	2	10	45	111	.3	7	6	447	2.53	2630	5	ND	5	155	1.7	97	5	20	1.71	.058	15	7	.53	328	.01	11	.48	.01	.13	1	770	1100
027369 DR	3	13	42	191	.1	12	6	495	2.57	348	7	ND	7	253	1.5	138	3	27	2.08	.073	24	9	.57	288	.01	11	.61	.01	.17	1	140	500
027370 DR	1	14	31	160	.2	10	7	501	2.43	89	5	ND	8	429	1.7	31	4	23	2.96	.069	19	8	.69	249	.01	11	.46	.01	.17	2	39	250
027371 DR	2	8	31	141	.1	8	4	451	2.21	246	5	ND	6	370	.7	62	2	19	2.60	.062	16	9	.54	300	.01	8	.44	.01	.16	1	120	300
027372 DR	2	11	32	155	.3	7	6	500	2.45	132	5	ND	7	297	4.1	29	7	18	2.69	.063	16	7	.66	248	.01	12	.48	.01	.14	1	56	360
027373 DR	3	14	44	251	.3	14	6	444	2.47	185	5	ND	7	212	3.6	27	10	21	1.81	.062	17	7	.49	329	.01	9	.47	.01	.14	1	46	450
027374 DR	2	11	33	268	.2	15	7	537	2.66	94	5	ND	6	189	2.8	16	3	23	1.65	.055	17	8	.55	524	.01	10	.52	.01	.14	1	25	400
027375 DR	3	8	35	226	.1	19	8	431	2.57	135	5	ND	7	137	1.6	27	2	21	.87	.040	20	8	.32	541	.01	8	.49	.01	.13	1	28	510
027376 DR	3	8	54	237	.1	24	10	327	2.69	92	5	ND	7	114	1.4	14	8	24	.55	.035	27	12	.22	625	.01	8	.56	.01	.12	1	6	540
027377 DR	3	4	42	160	.1	17	8	192	1.89	88	5	ND	9	69	.2	15	2	23	.14	.031	20	6	.06	658	.01	9	.50	.01	.13	1	8	520
027378 DR	4	22	17	126	.1	93	23	1168	4.87	152	6	ND	2	100	.7	21	2	50	.60	.031	14	65	.64	654	.01	5	.53	.01	.14	3	11	1600
027379 DR	4	32	8	217	.1	167	41	2418	8.53	166	6	ND	1	169	2.5	35	2	92	1.43	.046	9	143	2.32	1033	.01	6	.80	.01	.08	2	3	1900
027380 DR	4	63	21	206	.1	137	35	1797	7.11	158	5	ND	1	262	2.7	27	2	60	3.17	.053	11	102	2.21	496	.01	5	.69	.01	.11	1	9	3300
027381 DR	1	4	32	90	.1	10	8	672	2.58	27	5	ND	5	202	.2	7	2	23	2.32	.042	15	9	.73	579	.01	7	.50	.01	.11	1	5	540
027382 DR	2	3	37	86	.3	10	7	689	2.77	37	5	ND	6	176	.2	11	2	27	2.08	.053	16	11	.74	581	.01	10	.49	.01	.11	1	9	600
027383 DR	2	2	37	80	.1	6	6	426	1.90	23	5	ND	5	110	.2	8	2	20	1.21	.031	18	6	.48	531	.01	8	.45	.01	.11	1	2	890
027384 DR	3	1	39	104	.2	10	6	415	2.00	59	5	ND	6	121	.2	13	2	20	.99	.026	21	6	.41	520	.01	7	.44	.01	.11	1	11	830
027385 DR	5	2	27	104	.1	10	7	617	2.57	62	5	ND	6	177	.6	8	2	25	1.77	.036	22	14	.64	675	.01	4	.54	.01	.09	1	17	750
027386 DR	6	5	35	168	.1	20	10	446	2.74	86	5	ND	6	114	.4	9	7	25	1.00	.038	22	10	.34	679	.01	5	.55	.01	.09	1	14	920
027387 DR	7	10	43	202	.3	29	11	444	2.79	82	5	ND	7	174	1.0	11	2	25	1.25	.064	22	13	.39	380	.01	7	.60	.01	.11	1	7	700
027388 DR	5	6	30	135	.1	15	9	618	2.87	59	5	ND	7	231	.7	6	2	28	1.96	.048	21	6	.56	530	.01	9	.52	.01	.11	1	2	680
027389 DR	3	3	26	100	.2	11	7	628	2.48	72	5	ND	5	171	.2	9	2	25	2.21	.032	16	13	.63	484	.01	9	.44	.01	.13	1	19	1200
027390 DR	1	41	38	129	.3	30	18	844	4.41	834	7	ND	13	125	.4	25	7	68	2.93	.154	61	55	.08	986	.01	4	.72	.01	.11	4	47	2400
027391 DR	2	22	57	106	.2	15	9	681	3.21	128	5	ND	16	121	.2	20	4	30	3.94	.077	50	24	.10	693	.01	10	.65	.01	.15	1	10	960
027392 DR	1	8	96	128	.4	2	6	746	2.45	147	6	ND	12	84	.2	21	2	22	2.62	.059	37	10	.07	540	.01	11	.55	.01	.15	2	6	1100
027393 DR	1	19	54	120	.3	11	9	836	3.13	319	7	ND	12	212	.3	20	5	21	3.07	.046	45	15	.69	512	.01	8	.50	.01	.12	2	9	1200
027394 DR	2	11	34	87	.4	9	6	569	2.64	2412	6	ND	7	100	.2	35	2	17	.87	.056	34	6	.10	578	.01	8	.54	.01	.14	2	1380	1400
027395 DR	1	15	20	41	.1	3	5	406	1.93	249	5	ND	8	293	.2	20	2	11	2.65	.079	31	4	.45	491	.01	12	.44	.01	.17	1	65	1500
027396 DR	2	14	34	94	.3	4	7	625	2.63	267	5	ND	10	494	.2	37	6	27	3.17	.088	34	10	.69	470	.01	10	.50	.01	.16	2	14	1300
027397 DR	2	17	45	94	.6	6	6	564	2.46	2641	6	ND	8	398	.2	32	9	22	3.09	.084	28	10	.90	214	.01	11	.47	.01	.16	1	1010	2300
027398 DR	1	17	45	132	.6	7	9	695	3.19	3550	5	ND	7	320	.6	77	2	23	3.07	.094	22	7	.74	165	.01	10	.47	.01	.11	1	1170	1600
027399 DR	2	14	25	97	.3	4	7	576	3.07	1238	5	ND	9	388	.2	38	2	27	3.32	.096	26	11	.96	294	.01	11	.52	.01	.14	1	220	2000
027400 DR	2	11	29	86	.4	6	8	559	3.03	4032	5	ND	9	461	.2	32	2	24	4.01	.101	23	7	1.10	99	.01	10	.44	.01	.16	1	840	540
027401 DR	2	13	14	86	.2	7	8	599	2.98	115	5	ND	11	299	.4	12	2	31	3.29	.106	41	14	1.06	149	.01	4	.57	.01	.17	1	28	250
027402 DR	2	6	11	90	.2	7	8	629	3.28	60	5	ND	12	243	.2	22	2	31	2.87	.107	46	11	.81	206	.01	4	.62	.01	.16	2	11	680
027403 DR	2	4	8	86	.1	6	8	635	2.78	63	5	ND	11	191	.2	17	2	35	2.92	.105	44	13	.74	174	.01	8	.52	.01	.12	1	8	1500
STANDARD C/AU-R	18	57	41	130	6.9	71	32	1051	3.93	44	21	7	36	52	18.8	19	18	55	.45	.094	37	60	.91	181	.07	35	1.89	.06	.14	12	540	1500

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	Hg ppb
027404 DR	2	4	31	89	.2	10	8	652	3.24	98	5	ND	12	147	1.0	25	2	36	2.62	.107	43	14	.65	228	.01	4	.46	.01	.09	2	21	2600
027405 DR	1	1	26	105	.3	9	8	669	3.27	143	5	ND	15	251	.5	19	2	36	3.45	.106	46	10	.86	476	.01	8	.65	.01	.13	2	8	2400
027406 DR	1	1	24	93	.1	10	10	686	3.33	198	5	ND	15	242	.4	16	2	37	3.14	.104	48	12	.75	714	.01	6	.69	.01	.12	3	6	1200
027407 DR	1	1	26	86	.1	5	8	647	3.08	153	5	ND	13	287	.2	12	2	32	3.21	.085	39	10	1.02	909	.01	5	.57	.01	.12	1	3	1300
027408 DR	1	7	22	92	.1	11	8	708	3.11	157	5	ND	13	281	.2	25	2	30	3.62	.094	41	12	1.12	787	.01	4	.63	.01	.11	2	2	1200
027409 DR	1	5	25	88	.1	7	8	723	3.22	119	5	ND	12	320	.2	32	2	36	2.99	.101	42	11	1.15	589	.01	6	.64	.01	.12	2	6	870
027410 DR	2	6	23	96	.2	11	8	712	3.27	340	5	ND	12	329	.2	106	2	34	2.69	.082	37	10	1.02	1010	.01	5	.46	.01	.10	2	5	830
027411 DR	1	3	28	79	.1	7	7	630	3.01	2523	5	ND	8	283	.2	58	2	37	2.57	.058	29	9	.96	560	.01	5	.56	.01	.12	2	1280	1200
027412 DR	1	5	21	90	.4	8	8	645	3.14	1091	5	ND	11	339	.4	35	2	31	2.76	.088	32	11	1.00	575	.01	9	.57	.01	.11	2	280	700
027413 DR	1	5	22	74	.4	9	7	627	3.16	5550	5	2	9	582	.3	37	2	27	3.44	.081	22	7	1.15	280	.01	11	.47	.01	.11	1	1610	1300
027414 DR	1	9	30	82	.4	11	9	614	3.33	5661	5	ND	7	571	.2	35	2	36	3.29	.073	18	8	1.09	203	.01	9	.44	.01	.09	1	1520	1900
027415 DR	1	6	28	94	.1	7	7	600	2.90	1710	5	ND	9	42	.2	38	7	23	.40	.084	27	10	.05	363	.01	8	.51	.01	.15	2	650	1500
027416 DR	1	5	19	86	.4	8	8	565	2.85	1378	5	ND	10	45	.5	19	3	28	1.38	.087	33	10	.08	292	.01	10	.60	.01	.17	1	340	540
027417 DR	1	1	26	89	.2	4	8	621	3.10	2356	5	ND	10	40	.2	40	2	27	.61	.092	36	9	.06	352	.01	4	.63	.01	.16	1	670	1100
027418 DR	1	5	25	83	.2	4	6	452	2.69	1170	5	ND	7	143	.2	49	2	24	1.63	.082	23	8	.22	441	.01	9	.49	.01	.16	1	610	1500
027419 DR	1	5	27	81	.1	5	6	465	2.44	260	5	ND	8	67	.2	17	2	21	1.35	.078	23	9	.08	578	.01	10	.57	.01	.17	1	41	390
027420 DR	2	3	35	102	.1	7	5	513	2.23	590	5	ND	7	81	.2	32	2	21	2.05	.072	21	11	.10	858	.01	15	.48	.01	.19	1	26	280
027421 DR	2	3	24	246	.2	14	6	558	2.44	495	5	ND	9	86	.2	23	2	20	3.20	.076	23	5	.10	427	.01	9	.53	.01	.18	1	24	330
027422 DR	11	53	20	668	.5	52	6	650	2.26	1211	5	ND	5	164	7.7	24	2	241	1.60	.224	23	38	.12	335	.01	13	.60	.01	.20	1	370	2500
027423 DR	14	142	14	492	2.6	123	19	271	4.49	354	5	ND	1	248	7.1	31	2	163	.52	.223	19	28	.06	981	.01	15	.57	.01	.20	2	17	2400
027424 DR	13	82	10	469	2.4	100	24	332	5.15	126	5	ND	1	315	5.5	23	2	87	.52	.278	24	33	.10	2029	.01	20	.82	.01	.27	1	17	1700
027425 DR	8	93	13	407	1.4	90	13	252	3.29	78	5	ND	1	244	3.9	16	2	80	1.20	.394	20	23	.25	1523	.01	17	.77	.01	.25	1	19	1500
027426 DR	8	86	27	212	.5	114	21	444	3.66	43	5	ND	3	131	.9	9	2	36	.89	.084	23	59	.25	1404	.01	12	.57	.01	.19	1	11	1050
027427 DR	1	150	2	143	.1	320	44	954	5.08	134	5	ND	1	142	.5	14	2	87	4.67	.038	7	243	.88	566	.01	2	.62	.01	.07	1	8	1000
027428 DR	1	184	8	112	.3	76	30	1295	6.62	61	5	ND	3	220	1.3	7	2	48	4.49	.066	14	43	1.28	94	.01	2	.57	.01	.11	1	9	2300
027429 DR	2	19	27	97	.2	18	10	667	3.35	73	5	ND	13	399	.2	5	2	33	3.62	.080	37	21	.76	1025	.01	4	.57	.01	.13	2	5	740
027430 DR	2	27	33	96	.2	19	11	734	3.42	39	5	ND	15	459	.2	6	2	34	3.43	.083	41	25	1.06	832	.01	6	.55	.01	.13	2	7	1100
027431 DR	2	17	23	95	.2	9	8	627	3.20	22	5	ND	12	271	.7	7	2	29	2.59	.088	39	10	.88	565	.01	6	.51	.01	.13	2	5	880
027432 DR	2	10	15	94	.1	8	8	611	3.11	7	5	ND	12	221	.2	2	2	34	2.41	.109	46	15	.82	164	.01	7	.59	.01	.15	1	1	750
027433 DR	2	13	16	99	.3	11	9	596	3.46	20	5	ND	15	172	.3	5	2	33	2.49	.111	50	13	.50	192	.01	9	.74	.01	.17	1	3	560
027434 DR	1	29	31	166	.2	18	10	662	3.53	26	5	ND	16	288	1.1	4	2	32	2.77	.101	53	24	.84	258	.01	6	.59	.01	.17	2	4	1600
027435 DR	2	7	18	97	.2	9	8	611	3.12	9	5	ND	13	257	.2	4	2	36	2.40	.105	42	12	.80	207	.01	11	.66	.02	.19	1	1	680
027436 DR	2	8	13	92	.2	11	8	561	3.12	2	5	ND	13	365	.3	2	2	33	2.87	.108	42	17	.91	363	.01	10	.74	.02	.16	1	1	320
027437 DR	1	10	17	91	.2	9	10	626	3.26	12	5	ND	14	325	.7	3	2	34	2.91	.108	45	11	.82	169	.01	9	.68	.01	.17	3	3	500
027438 DR	1	8	10	92	.2	8	9	566	3.28	2	5	ND	13	287	.2	2	4	37	2.61	.105	45	12	.90	887	.01	5	1.00	.02	.20	1	4	260
027439 DR	1	7	13	79	.2	6	8	600	2.63	3	5	ND	12	307	.2	3	2	33	3.40	.096	41	11	.96	457	.02	6	.81	.02	.19	1	5	200
STANDARD C/AU-R	18	59	37	135	7.1	72	32	1056	3.98	42	22	7	36	55	19.5	19	18	57	.46	.098	38	61	.90	182	.07	33	1.90	.06	.14	13	510	1500

90832

BERC 90-233

BARC 90-234

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	Hg ppb
027440 DR	28	47	51	101	.7	40	5	144	.99	203	5	ND	1	79	.3	27	2	233	.12	.031	4	57	.03	970	.01	15	.31	.01	.07	1	47	5400
027441 DR	10	64	97	51	.8	21	2	41	.57	85	5	ND	1	84	.2	19	2	238	.10	.029	4	22	.02	2065	.01	14	.29	.01	.07	1	41	11000
027442 DR	33	160	49	615	1.2	113	8	47	2.93	403	6	ND	2	105	1.2	94	2	444	.13	.061	8	31	.03	1229	.01	8	.58	.01	.08	1	26	14000
027443 DR	25	155	26	469	1.6	118	10	46	2.79	354	5	ND	4	179	.6	76	2	222	.19	.056	16	20	.05	722	.01	15	.64	.01	.14	1	88	11000
027444 DR	8	97	25	124	2.0	42	3	32	1.09	151	5	ND	3	64	.3	42	2	123	.15	.027	12	24	.03	583	.01	12	.41	.01	.13	1	260	6600
027445 DR	22	106	27	352	2.5	95	10	59	3.01	405	5	ND	5	86	.8	86	4	129	.16	.043	16	12	.03	654	.01	14	.48	.01	.13	1	99	11000
027446 DR	7	41	34	76	1.3	34	3	33	.99	135	5	ND	3	47	.4	42	3	84	.13	.016	13	6	.02	514	.01	13	.34	.01	.12	1	72	7200
027447 DR	8	56	32	215	1.7	62	7	49	2.02	302	5	ND	3	99	.6	69	2	133	.17	.031	14	12	.04	661	.01	16	.43	.01	.14	1	110	5100
027448 DR	3	33	21	32	2.4	21	2	19	.73	97	5	ND	3	88	.3	88	2	131	.13	.034	12	21	.03	919	.01	13	.38	.01	.11	1	480	11000
027449 DR	6	34	28	45	1.9	25	4	36	1.10	208	5	ND	1	87	.2	149	2	174	.11	.035	7	14	.02	715	.01	10	.31	.01	.08	1	99	10400
027450 DR	22	33	41	115	1.3	53	4	51	1.28	203	5	ND	1	109	.2	157	2	180	.15	.034	5	38	.03	879	.01	10	.27	.01	.07	1	47	9600
027451 DR	18	62	43	341	2.4	86	5	71	1.93	346	5	ND	1	177	1.6	383	2	264	.18	.060	6	19	.03	1517	.01	13	.35	.01	.07	2	6	11000
027452 DR	8	30	15	81	2.1	29	4	57	1.37	349	5	ND	1	283	.7	291	2	209	.14	.129	5	22	.02	1790	.01	10	.33	.01	.06	1	9	6500
027453 DR	9	38	9	120	3.2	37	4	55	1.43	342	5	ND	1	438	1.7	324	2	299	.31	.218	7	35	.03	2044	.01	12	.47	.01	.10	1	39	12000
027454 DR	7	35	8	135	3.5	32	4	67	1.46	323	5	ND	1	474	1.0	375	2	194	.24	.191	11	58	.03	1675	.01	8	.35	.01	.07	2	22	13000
027455 DR	16	106	7	231	4.1	75	4	64	1.79	375	6	ND	1	818	2.2	423	6	374	2.08	.960	18	148	.05	1530	.01	17	.63	.01	.12	1	26	12000
027456 DR	19	159	11	232	4.2	87	3	58	1.30	227	9	ND	1	561	2.2	298	2	405	2.55	1.089	22	139	.04	1606	.01	17	.57	.01	.12	4	11	9600
027457 DR	23	123	5	200	4.2	64	4	63	1.50	309	5	ND	1	586	3.8	355	2	392	.58	.337	12	101	.03	1324	.01	12	.44	.01	.09	1	14	17000
027458 DR	17	43	26	78	2.5	30	3	33	.94	120	5	ND	2	198	1.1	145	2	184	.17	.067	10	23	.05	932	.01	11	.39	.01	.15	1	120	7600
027459 DR	25	60	16	99	3.1	37	4	64	1.86	318	5	ND	1	566	2.0	320	2	256	.19	.165	8	34	.04	1516	.01	15	.46	.01	.14	1	100	10600
027460 DR	46	56	18	138	3.1	35	4	48	1.83	259	5	ND	1	260	1.3	253	2	352	.21	.067	7	35	.04	639	.01	11	.31	.01	.15	1	93	16000
027461 DR	14	40	19	61	2.4	23	2	24	.89	84	5	ND	2	167	.6	74	2	193	.11	.047	6	22	.03	810	.01	15	.31	.01	.12	1	18	12000
027462 DR	25	52	24	40	1.1	17	2	15	1.13	63	5	ND	2	124	.2	63	2	121	.06	.034	5	23	.02	1350	.01	13	.37	.01	.12	1	8	6700
027463 DR	43	100	26	204	1.1	43	4	17	1.72	158	5	ND	2	269	1.2	229	2	169	.12	.084	5	30	.03	720	.01	13	.50	.01	.13	1	4	6900
027464 DR	26	84	17	67	2.3	21	2	13	.95	96	5	ND	2	186	.8	169	2	159	.09	.052	4	24	.02	708	.01	8	.38	.01	.11	1	22	12000

BC RC 90-235

027465 DR	4	31	26	426	.5	30	8	119	3.43	1033	5	ND	10	85	1.1	31	2	42	.09	.054	34	14	.03	867	.01	6	.54	.01	.10	1	62	2100
027466 DR	9	107	209	215	3.4	43	3	42	1.84	666	6	ND	2	267	.2	43	2	358	.23	.218	32	62	.03	2081	.01	13	.60	.01	.11	1	22	12000
027467 DR	12	93	137	341	2.4	52	6	45	3.15	1085	5	ND	4	420	5.7	79	2	274	.48	.397	39	52	.06	3046	.01	17	1.09	.01	.19	1	56	4600
027468 DR	27	257	62	851	4.5	159	6	49	2.33	351	5	ND	1	274	23.9	114	2	666	1.17	.596	26	68	.06	1930	.01	15	.75	.01	.18	1	10	8200
027469 DR	20	167	69	717	4.7	139	4	43	1.42	205	5	ND	1	394	18.5	109	2	565	.73	.394	22	70	.04	2006	.01	15	.64	.01	.11	2	19	7600
027470 DR	18	167	39	508	5.0	76	3	48	1.35	186	5	ND	1	297	14.5	65	2	751	1.13	.602	24	103	.05	1765	.01	19	.63	.01	.16	4	1	6300
027471 DR	29	188	12	646	3.7	98	3	44	1.24	173	5	ND	1	186	11.9	56	4	931	.50	.302	25	82	.05	1484	.01	13	.53	.01	.15	2	1	12000
027472 DR	37	117	8	2237	2.0	146	6	95	1.23	125	5	ND	1	137	42.6	51	2	426	1.03	.162	15	38	.55	1232	.01	9	.36	.01	.10	1	1	11000
027473 DR	15	124	2	1038	2.9	87	3	58	1.28	115	5	ND	1	237	14.0	39	2	589	1.48	.719	18	84	.09	1259	.01	19	.52	.01	.16	1	1	7300
027474 DR	37	167	11	1943	2.4	141	6	92	1.27	163	5	ND	1	177	24.6	66	2	602	1.18	.311	18	56	.45	1507	.01	14	.52	.01	.16	1	6	12000
027475 DR	34	117	5	1105	2.6	144	4	93	1.20	164	5	ND	1	204	14.9	57	2	353	1.77	.384	14	49	.61	1566	.01	15	.47	.01	.13	1	5	6300
STANDARD C/AU-R	20	63	44	133	7.4	72	32	1059	3.99	44	21	7	36	52	18.9	20	24	59	.46	.095	40	60	.90	177	.08	35	1.89	.06	.14	12	510	1300

BCRC 90-236

SA	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	Hg ppb
027490 DR	4	40	92	148	.2	43	12	934	4.32	1429	5	ND	8	138	.7	58	2	59	.82	.067	29	33	.35	884	.01	6	.84	.01	.17	1	590	1200
027491 DR	3	121	8	137	.1	78	37	887	10.94	86	5	ND	1	114	1.6	20	5	185	.06	.072	18	52	.03	1572	.01	2	.87	.01	.07	2	13	1100
027492 DR	7	88	14	227	.6	88	32	637	8.62	76	5	ND	1	152	2.1	29	2	193	.09	.109	23	60	.03	1833	.01	4	.90	.01	.09	1	1	1600
027493 DR	17	112	8	425	1.7	64	12	146	6.32	43	5	ND	1	131	2.6	30	2	300	.15	.100	18	46	.04	421	.01	2	.95	.06	.17	1	1	1700
027494 DR	12	131	10	545	1.4	98	24	318	7.48	49	5	ND	1	107	4.7	27	2	203	.23	.136	21	39	.37	710	.01	3	1.34	.03	.15	1	15	830
027495 DR	15	113	32	584	1.9	90	15	140	6.64	55	5	ND	1	122	4.5	50	2	390	.27	.146	18	77	.31	558	.01	2	1.32	.05	.15	1	1	650
027496 DR	8	117	15	445	1.1	128	26	280	8.36	28	5	ND	1	81	8.6	26	2	295	.38	.179	20	112	.97	613	.01	4	2.20	.04	.13	1	10	600
027497 DR	13	98	37	447	1.5	103	24	266	7.23	40	5	ND	1	109	9.9	29	2	211	.22	.141	19	51	.19	1007	.01	5	1.08	.02	.19	1	2	1100
027498 DR	26	82	32	470	1.1	97	9	71	3.20	52	5	ND	1	133	6.5	28	2	218	.28	.075	17	21	.07	1097	.01	7	.63	.01	.21	1	3	1400
027499 DR	23	104	31	603	2.1	112	9	81	3.47	73	5	ND	1	179	4.8	30	2	245	.29	.089	19	35	.08	1098	.01	8	.72	.01	.23	1	4	1800
027500 DR	21	122	20	813	1.8	170	18	168	4.93	149	5	ND	1	146	13.2	39	2	229	.25	.096	19	62	.05	1185	.01	5	.65	.01	.13	1	2	3200
027501 DR	12	81	37	660	1.3	114	15	595	4.37	412	5	ND	10	162	11.2	32	2	165	.84	.093	35	49	.19	1355	.01	5	.63	.01	.15	1	2	2600
027502 DR	4	40	40	220	.3	38	11	676	4.01	76	5	ND	13	280	2.5	15	2	66	2.29	.089	35	33	.77	807	.01	5	.54	.01	.13	1	9	1200
027503 DR	7	50	43	282	.5	57	13	653	4.27	113	5	ND	14	230	3.6	17	2	90	1.74	.098	40	47	.68	1047	.01	3	.63	.01	.14	1	36	1400
027504 DR	15	87	35	520	1.6	127	12	314	3.85	126	5	ND	5	201	9.6	16	2	198	.80	.080	28	29	.22	774	.01	4	.52	.01	.16	1	19	2300
027505 DR	19	102	23	725	2.0	154	20	251	4.91	136	5	ND	2	181	11.6	24	2	259	.41	.125	27	66	.12	1072	.01	5	.76	.01	.22	1	1	1300
027506 DR	4	40	19	227	.3	37	11	409	3.69	39	5	ND	9	199	3.5	12	2	63	1.62	.112	32	18	.34	405	.01	6	.53	.01	.15	1	18	1100
027507 DR	4	20	34	150	.3	22	8	434	2.99	20	5	ND	10	268	1.5	7	2	43	3.07	.106	34	21	.38	258	.01	9	.69	.01	.22	1	8	460
027508 DR	2	13	28	116	.1	16	8	618	3.16	43	5	ND	12	146	.6	6	2	41	2.07	.114	39	14	.19	473	.01	7	.74	.01	.20	1	7	650
027509 DR	3	18	21	138	.1	22	8	823	2.86	138	5	ND	13	64	.8	8	2	49	.49	.109	42	24	.11	351	.01	5	.59	.01	.15	1	5	600
027510 DR	2	18	17	121	.1	18	8	975	3.68	78	5	ND	15	62	.7	8	2	50	.61	.124	54	18	.15	310	.01	2	.76	.01	.15	1	7	490
027511 DR	2	16	13	123	.2	17	9	1141	3.33	71	5	ND	15	56	.5	9	2	48	.79	.124	54	23	.17	311	.01	4	.89	.01	.18	1	1	640
027512 DR	2	15	15	110	.1	14	7	718	3.31	25	5	ND	13	116	.2	6	2	37	1.57	.111	46	15	.34	350	.01	3	.90	.01	.17	1	10	460
027513 DR	2	13	23	100	.1	12	7	379	3.22	13	5	ND	14	90	1.0	4	2	39	.95	.113	48	20	.26	870	.01	6	1.07	.02	.19	1	7	330
027514 DR	1	14	17	95	.1	11	7	474	2.91	11	5	ND	12	182	.2	5	2	32	2.14	.105	43	15	.70	351	.01	2	.89	.02	.21	2	1	260
027515 DR	3	15	13	101	.1	14	7	496	2.87	15	5	ND	11	219	.7	6	2	36	2.20	.095	38	31	.83	330	.01	4	.78	.02	.18	1	3	280
027516 DR	3	13	20	83	.4	14	7	474	2.67	12	5	ND	12	197	1.1	5	2	34	1.94	.093	35	18	.75	308	.01	3	.56	.02	.17	1	3	380
027517 DR	4	10	17	86	.1	16	6	476	2.77	15	5	ND	11	263	.2	4	2	31	2.25	.087	37	30	.80	183	.01	2	.51	.03	.17	1	3	280
027518 DR	3	16	15	133	.1	20	8	530	2.98	25	5	ND	11	186	1.5	6	2	44	2.07	.097	38	17	.88	401	.01	4	.52	.03	.19	1	4	300
027720 DR	10	20	55	90	.9	22	2	52	1.43	804	5	ND	5	137	.2	127	2	72	.14	.046	22	36	.05	900	.01	7	.56	.01	.13	1	1690	1600
027721 DR	10	20	20	37	.7	15	2	27	1.25	273	5	ND	1	63	.2	106	2	178	.08	.033	4	13	.01	2006	.01	6	.32	.01	.08	3	71	1800
027722 DR	9	20	22	25	.8	23	2	19	.86	176	5	ND	1	102	.2	68	3	158	.10	.050	4	51	.02	2354	.01	7	.36	.01	.08	2	11	2100
027723 DR	12	17	15	25	.8	19	2	36	.63	71	5	ND	1	117	.2	53	2	86	.12	.057	3	15	.03	1873	.01	11	.38	.01	.09	2	8	2600
027724 DR	23	28	30	79	.8	33	2	27	1.28	415	5	ND	3	107	.2	96	2	109	.05	.055	9	50	.01	823	.01	10	.48	.01	.11	1	228	2200
027725 DR	22	30	26	121	2.8	38	3	55	1.69	515	5	ND	4	275	.2	101	2	241	.05	.077	11	38	.02	2398	.01	10	.67	.01	.14	2	251	5400
027726 DR	17	25	17	51	2.1	41	4	18	.66	209	10	ND	2	460	.2	94	2	395	.04	.319	9	97	.02	5509	.01	13	.83	.01	.10	4	57	7800
STANDARD C/AU-R	18	62	40	132	7.3	75	31	1060	3.99	44	18	7	36	53	18.5	15	19	55	.47	.095	37	61	.90	181	.07	33	1.90	.06	.14	11	530	1400

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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	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	Hg ppb
027476 DR	36	124	3	1446	2.1	145	5	211	1.57	218	5	ND	2	210	25.0	58	5	387	4.26	.179	13	37	2.00	1703	.01	10	.55	.01	.14	1	40	6500
027477 DR	37	182	13	873	3.7	167	8	37	2.57	455	7	ND	1	378	10.0	79	3	410	.52	.257	16	55	.16	1978	.01	9	.80	.01	.13	2	330	11000
027478 DR	16	85	68	870	1.8	121	27	500	3.68	830	5	ND	2	68	6.5	65	3	57	.78	.040	16	15	.34	66	.01	13	.54	.01	.17	1	780	4600
027479 DR	15	61	71	368	1.3	88	20	422	4.41	285	5	ND	2	112	3.0	50	2	25	3.40	.009	6	10	1.20	21	.01	9	.40	.01	.16	1	240	5100
027480 DR	10	56	12	213	.8	66	15	418	3.45	250	5	ND	2	118	.9	34	3	24	4.39	.010	4	9	1.45	43	.01	10	.36	.01	.16	1	480	4500
027481 DR	9	60	6	174	.5	58	16	386	2.96	94	5	ND	3	106	1.4	32	4	19	4.37	.010	4	9	1.29	66	.01	13	.38	.01	.18	1	52	4100
027482 DR	6	54	12	125	.4	56	15	446	3.19	55	5	ND	4	122	1.3	23	5	17	5.19	.011	5	10	1.52	50	.01	12	.48	.01	.22	1	58	5200
027483 DR	9	58	13	130	.3	57	17	404	3.38	64	5	ND	3	108	.2	20	2	16	4.06	.008	5	8	1.24	33	.01	16	.43	.01	.20	1	20	5800
027484 DR	14	63	20	208	.4	68	16	351	3.22	73	5	ND	2	93	1.1	19	2	21	3.19	.009	5	10	1.06	29	.01	14	.41	.01	.19	1	14	4900
027485 DR	6	47	16	111	.1	45	16	454	3.12	38	5	ND	3	117	.2	16	6	16	5.34	.009	5	10	1.63	43	.01	12	.38	.01	.18	3	16	3500
027486 DR	6	44	8	121	.4	52	15	409	3.12	69	5	ND	4	122	.6	16	2	18	5.04	.010	5	10	1.60	34	.01	12	.36	.01	.17	2	34	4300
027487 DR	17	59	21	168	.4	78	16	245	3.48	111	9	ND	1	70	.5	28	6	17	2.03	.009	3	9	.79	31	.01	11	.37	.01	.16	1	280	5900
027488 DR	12	45	12	160	.5	67	15	366	3.51	119	5	ND	1	97	1.1	28	2	24	3.69	.010	4	12	1.39	29	.01	12	.38	.01	.16	1	170	5200
027489 DR	10	40	11	164	1.2	65	15	357	3.08	136	5	ND	1	98	.7	35	3	28	3.24	.010	3	11	1.26	36	.01	12	.37	.01	.16	1	240	4900
027519 DR	2	107	13	200	.5	201	51	1411	8.80	33	12	ND	1	46	3.3	61	2	68	3.30	.160	22	103	.17	1394	.01	15	.86	.01	.23	2	39	1200
027520 DR	2	85	6	133	.4	157	38	1190	6.03	18	5	ND	2	210	2.6	15	2	44	8.63	.093	12	65	2.23	332	.01	14	.57	.01	.19	1	13	1300
027521 DR	3	83	2	217	.7	132	35	500	7.46	28	5	ND	1	56	2.3	20	2	78	.80	.139	17	64	.46	727	.01	13	1.10	.01	.24	1	15	3200
027522 DR	1	76	2	116	.1	115	36	903	7.69	38	5	ND	1	89	2.4	21	2	69	4.75	.152	19	73	.76	722	.01	12	1.23	.01	.22	1	13	460
027523 DR	2	85	13	111	.7	118	32	779	5.56	151	5	ND	1	56	.2	20	2	36	.60	.089	9	28	.09	795	.01	13	.52	.01	.15	1	23	380
027524 DR	2	126	11	200	1.2	124	39	919	7.74	547	5	ND	1	212	.8	40	2	65	1.77	.145	8	45	.32	1473	.01	18	.82	.01	.22	1	290	1500
027525 DR	3	179	9	49	.7	119	29	1092	2.50	86	5	ND	1	143	.5	30	2	39	4.26	.257	10	63	.73	1040	.01	20	.82	.01	.27	1	110	460
027526 DR	2	151	8	115	.5	131	37	1108	7.40	39	5	ND	1	137	.3	18	3	71	2.78	.149	13	66	.91	931	.01	14	.76	.01	.19	1	22	480
027527 DR	1	106	2	125	.2	69	39	1152	8.06	12	5	ND	1	69	1.1	13	2	143	2.77	.124	28	26	1.33	427	.01	6	1.83	.01	.10	1	16	290
027528 DR	1	106	2	103	.6	67	29	943	6.21	59	6	ND	1	210	1.0	12	2	66	3.69	.086	10	53	1.91	1166	.01	13	.61	.01	.13	1	21	270
027529 DR	1	104	2	81	.3	211	37	1093	6.38	109	5	ND	1	317	1.9	35	2	61	5.51	.052	8	148	3.86	1090	.01	13	.61	.01	.13	1	8	380
027530 DR	1	87	2	84	.5	136	32	1046	5.50	115	5	ND	1	388	2.3	18	2	59	6.65	.036	6	84	3.36	1016	.01	13	.53	.01	.12	1	15	460
027531 DR	5	74	20	298	1.9	75	16	549	3.06	56	7	ND	3	365	3.3	19	4	119	4.55	.606	12	67	1.45	1732	.01	32	.96	.01	.24	1	16	1050
027532 DR	4	43	14	229	.5	62	11	519	2.46	22	5	ND	4	175	.2	9	5	15	6.01	.101	7	14	2.53	732	.01	15	.48	.01	.19	1	12	400
027533 DR	6	65	20	124	.8	44	9	195	2.72	25	5	ND	1	142	1.2	7	2	42	.54	.209	9	25	.11	1044	.01	19	.60	.01	.22	1	9	330
027534 DR	7	77	18	312	1.0	70	19	418	4.04	19	11	ND	3	54	1.4	11	8	64	.46	.111	6	18	.17	1560	.01	17	.75	.01	.25	1	8	380
027535 DR	3	68	27	142	.6	51	17	357	3.84	14	5	ND	4	57	.6	6	2	21	.46	.052	5	12	.30	774	.01	11	.68	.01	.23	1	8	220
027536 DR	3	69	18	209	.6	47	16	298	3.75	11	5	ND	5	38	1.7	4	2	22	.27	.051	5	10	.39	161	.01	13	.63	.01	.24	1	7	240
027537 DR	9	67	18	252	.6	60	17	249	3.38	13	5	ND	2	63	2.0	3	2	22	.42	.027	4	8	.54	112	.01	10	.53	.01	.22	1	8	260
027538 DR	4	59	12	142	.4	47	14	359	3.50	10	5	ND	1	150	.5	2	2	22	.92	.031	7	27	.85	170	.01	13	.57	.01	.23	1	2	200
027539 DR	3	55	17	114	.4	37	13	324	3.35	9	5	ND	2	108	.2	3	2	17	.60	.035	12	14	.79	177	.01	14	.56	.01	.23	1	4	140
027540 DR	2	55	22	95	.4	44	16	452	3.32	12	7	ND	6	194	.6	2	2	54	1.95	.097	30	100	1.49	108	.06	12	.94	.01	.49	1	4	130
STANDARD C/AU-R	17	57	38	130	7.1	72	32	1050	3.95	45	22	7	36	53	19.7	14	21	55	.45	.096	37	57	.91	180	.07	34	1.89	.06	.14	12	540	1600

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	Hg ppb
027541 DR	15	184	18	519	12.0	106	18	312	4.77	4041	5	3	1	123	13.8	3989	2	188	.30	.051	10	46	.07	1124	.01	6	.61	.01	.14	1	3840	10000
027542 DR	46	229	19	1062	4.1	178	11	310	1.74	157	5	ND	1	269	25.2	439	2	666	.85	.365	19	60	.10	2444	.01	16	.83	.01	.21	2	95	22000
027543 DR	6	189	45	726	3.8	117	8	614	1.52	84	5	ND	1	473	6.1	114	2	139	3.09	.460	14	55	1.23	2852	.01	20	.63	.01	.13	1	56	5200
027544 DR	6	126	32	708	5.0	149	7	125	1.85	87	5	ND	1	462	5.1	123	2	156	1.57	.818	20	115	.08	3898	.01	23	.84	.01	.18	2	45	6400
027545 DR	10	109	69	648	5.6	113	9	236	1.66	94	5	ND	1	291	4.6	145	2	123	.61	.216	11	55	.28	3237	.01	14	.54	.01	.09	3	78	5000
027546 DR	39	197	13	1542	3.5	168	8	419	1.58	120	5	ND	2	480	18.8	66	2	472	3.74	.518	19	66	1.47	3521	.01	24	.85	.01	.21	1	36	13000
027547 DR	35	177	9	1084	3.0	150	5	239	1.04	98	5	ND	3	443	13.6	60	2	468	5.56	.861	17	76	1.92	3812	.01	24	.85	.01	.19	1	25	11000
027548 DR	15	171	3	595	3.1	153	6	193	1.46	90	5	ND	3	436	2.5	49	2	198	4.58	1.226	21	93	.96	3020	.01	31	1.08	.01	.30	1	14	5100
027549 DR	7	72	2	377	1.4	68	9	225	2.05	45	5	ND	2	301	2.3	29	2	70	1.93	.554	21	37	.51	2073	.01	22	.86	.01	.25	1	15	1300
027550 DR	48	88	13	447	1.5	72	4	139	1.15	47	5	ND	1	141	10.4	32	2	421	1.76	.089	14	31	.92	913	.01	11	.38	.01	.10	1	6	4400
027551 DR	51	118	12	542	2.1	75	4	126	1.30	77	5	ND	1	116	27.9	39	2	605	.93	.048	10	37	.52	890	.01	9	.35	.01	.09	1	8	6800
027552 DR	35	51	21	615	1.2	62	7	397	2.00	144	5	ND	2	251	13.9	27	2	80	2.93	.022	11	11	1.53	532	.01	8	.29	.01	.09	1	11	1600
027553 DR	30	131	10	705	1.3	90	15	575	3.96	50	5	ND	1	210	10.1	25	2	158	2.50	.069	17	24	1.21	951	.01	17	.49	.01	.15	1	15	1200
027554 DR	3	106	7	212	.5	43	19	745	4.47	39	5	ND	1	187	.6	13	2	54	1.93	.040	12	14	.94	709	.01	13	.46	.01	.11	1	10	210
027555 DR	2	70	18	220	.4	59	18	1112	3.75	39	5	ND	1	264	11.2	15	2	32	4.24	.031	11	26	1.55	1001	.01	15	.44	.01	.13	1	12	420
027556 DR	3	35	27	165	.4	56	15	741	4.10	23	5	ND	1	154	.9	11	2	39	2.90	.031	16	25	1.11	840	.01	11	.45	.01	.11	1	5	280
027557 DR	4	50	7	155	.5	69	24	743	5.99	35	5	ND	4	152	1.5	22	4	46	2.56	.065	28	32	.98	1170	.01	12	.67	.01	.17	1	28	600
027558 DR	3	75	16	145	.5	83	26	1142	6.88	30	8	ND	2	200	1.5	25	2	96	4.00	.094	17	73	1.41	1085	.01	10	.72	.01	.13	1	6	460
027559 DR	2	106	48	172	.6	64	29	1031	5.96	43	5	ND	1	303	2.7	15	3	89	4.59	.100	13	47	1.96	639	.01	8	.64	.01	.14	1	4	380
027560 DR	4	98	153	601	3.5	74	27	1018	6.10	69	5	ND	1	265	8.7	31	2	67	3.37	.128	14	27	1.47	887	.01	13	.64	.01	.16	1	11	1300
027561 DR	2	72	36	141	.5	70	28	1101	6.33	36	5	ND	2	252	2.7	22	2	52	6.90	.143	14	37	2.00	127	.01	18	.62	.01	.20	1	1	430
027562 DR	1	54	7	97	.3	62	27	1015	5.41	23	5	ND	2	191	.7	22	4	34	5.38	.145	12	27	1.35	117	.01	19	.60	.01	.23	1	2	280
027563 DR	2	60	10	119	.3	61	28	633	5.30	19	5	ND	1	136	.8	16	3	37	2.37	.162	9	30	.92	73	.01	23	.67	.01	.27	1	3	600
027564 DR	8	64	14	147	1.2	39	9	497	2.35	38	5	ND	2	259	1.2	14	2	30	3.10	.206	8	14	1.23	276	.01	18	.61	.01	.24	1	5	1100
027565 DR	15	50	37	158	3.1	49	7	75	1.80	848	5	ND	3	547	4.6	430	2	469	.24	.379	17	54	.04	6307	.01	10	.97	.01	.09	3	130	7300
027566 DR	14	180	40	442	7.9	118	11	70	3.43	2083	5	ND	1	371	8.3	517	4	265	.23	.263	10	72	.04	4127	.01	10	.87	.01	.10	3	1700	8500
027567 DR	25	177	118	411	7.8	133	8	76	1.88	842	11	ND	1	404	10.4	373	3	535	.42	.371	15	64	.08	4398	.01	15	1.12	.01	.15	4	380	17000
027568 DR	23	125	30	408	4.3	87	3	72	1.25	206	8	ND	1	357	28.7	105	4	469	2.48	1.183	16	74	.08	1878	.01	29	.95	.01	.25	1	24	7200
027569 DR	37	123	28	313	4.0	103	3	41	1.80	91	5	ND	1	238	5.4	88	2	795	1.14	.748	14	75	.06	1289	.01	24	.79	.01	.21	1	21	8300
027570 DR	21	144	91	542	3.0	133	6	113	1.30	90	12	ND	1	377	18.0	81	5	530	1.73	.888	16	64	.06	2594	.01	26	.82	.01	.20	3	22	3300
027571 DR	53	197	21	1841	2.6	165	12	463	2.02	144	5	ND	2	138	29.3	79	2	590	3.76	.083	21	33	1.86	1013	.01	16	.56	.01	.19	1	18	11000
027572 DR	57	162	15	1756	1.9	153	5	342	1.16	84	5	ND	4	148	28.0	97	4	459	5.19	.089	20	20	2.44	591	.01	13	.43	.01	.15	1	7	7000
027573 DR	16	227	13	745	3.8	185	2	114	1.03	61	5	ND	4	455	4.2	56	2	298	9.02	2.959	25	145	.47	1172	.01	63	1.07	.01	.34	1	1	3700
027574 DR	13	200	7	664	4.4	190	7	208	1.29	75	6	ND	5	432	3.4	52	2	147	8.54	2.098	25	157	1.40	1603	.01	44	1.09	.01	.34	2	3	3400
027575 DR	9	116	13	584	3.6	143	6	1081	1.44	57	12	ND	1	321	3.0	31	2	106	3.48	.936	19	91	.62	1572	.01	32	.74	.01	.22	1	4	2200
027576 DR	33	100	18	645	1.6	95	13	985	2.63	69	10	ND	1	166	5.3	58	2	123	1.28	.159	17	23	.64	1424	.01	14	.62	.01	.15	1	15	2300
STANDARD C/AU-R	20	62	42	133	7.7	72	32	1060	3.98	43	20	7	36	52	19.7	14	19	59	.46	.096	40	61	.91	183	.08	35	1.90	.06	.13	11	550	1300

BCRC 90-238

BCRC 90-239

BCRC 90-238

BCRC 90-240

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	Hg ppb
027577 DR	33	157	16	853	2.5	134	6	359	1.48	62	5	ND	3	464	9.8	78	2	305	5.12	.699	19	65	1.62	2672	.01	27	.82	.01	.21	1	14
027578 DR	32	81	73	872	1.2	84	5	336	1.23	66	5	ND	1	200	14.7	38	3	345	1.83	.055	13	28	.87	817	.01	10	.32	.01	.10	1	7
027579 DR	25	89	28	774	1.4	78	6	454	1.67	53	5	ND	2	363	9.0	38	2	139	4.01	.102	13	17	1.81	1150	.01	14	.41	.01	.13	1	6
027580 DR	16	62	21	463	1.4	75	7	443	1.82	44	5	ND	5	284	2.3	28	2	68	6.16	.323	16	33	2.51	942	.01	19	.61	.01	.19	1	8
027581 DR	11	49	8	288	.9	57	9	319	2.17	28	5	ND	3	122	2.3	19	3	35	2.08	.035	16	15	1.15	391	.01	11	.37	.01	.14	1	4
027582 DR	2	37	19	137	.1	32	8	353	1.63	20	5	ND	2	118	.6	13	3	11	3.67	.015	16	11	1.82	293	.01	13	.32	.01	.14	1	5
027583 DR	4	37	22	202	.4	43	9	449	1.90	29	5	ND	3	173	2.1	15	2	17	4.52	.016	14	12	2.15	381	.01	11	.30	.01	.12	1	4
027584 DR	6	58	11	295	.8	85	20	550	4.41	43	5	ND	2	167	2.2	22	2	46	2.96	.111	21	20	1.14	524	.01	13	.53	.01	.17	1	9
027585 DR	1	90	35	183	.2	77	25	1146	6.66	23	8	ND	1	202	1.4	13	3	89	5.37	.105	18	64	1.46	318	.01	7	.60	.01	.12	1	5
027586 DR	1	128	7	126	.2	98	31	1439	6.15	56	5	ND	1	190	2.2	24	2	72	7.38	.087	16	77	1.89	366	.01	10	.73	.01	.17	1	3
027587 DR	1	89	79	154	.8	70	27	1120	6.03	61	5	ND	1	271	1.9	24	8	91	6.53	.082	14	73	2.36	894	.01	8	1.27	.01	.16	1	3
027588 DR	3	70	49	218	1.1	55	22	792	5.10	33	5	ND	1	141	2.1	20	6	56	3.00	.103	19	26	.99	462	.01	10	.63	.01	.17	1	4
027589 DR	2	46	29	99	1.0	32	11	508	2.45	41	5	ND	1	139	1.1	15	2	9	2.40	.022	13	6	1.06	208	.01	9	.40	.01	.18	1	4
027590 DR	2	47	9	86	.1	27	8	456	2.28	34	5	ND	1	98	.5	11	2	8	1.39	.021	12	5	.69	110	.01	6	.34	.01	.16	1	3
027591 DR	3	44	18	74	.1	23	7	376	2.23	35	5	ND	1	93	.2	10	3	6	1.12	.014	9	5	.60	164	.01	8	.37	.01	.17	1	6
027592 DR	7	42	32	105	.9	32	8	462	2.15	52	5	ND	1	258	.6	18	2	8	2.45	.018	8	5	1.12	209	.01	10	.34	.01	.17	1	4
027593 DR	8	87	19	137	1.3	75	18	564	4.00	339	5	ND	1	86	1.5	191	2	81	.22	.076	11	38	.10	1667	.01	12	.65	.01	.12	1	140
027594 DR	8	77	35	107	2.3	56	10	235	2.44	324	5	ND	3	204	1.6	149	2	158	.24	.130	17	43	.07	3297	.01	9	.72	.01	.09	1	420
027595 DR	2	53	65	236	1.0	27	9	140	3.96	2583	5	ND	9	81	2.9	52	6	47	.14	.050	29	14	.04	1339	.01	15	.64	.01	.13	1	710
027596 DR	4	71	53	240	1.4	34	7	80	3.06	1500	5	ND	7	127	1.4	60	3	79	.13	.081	23	20	.04	1979	.01	13	.66	.01	.12	1	510
027597 DR	1	103	40	443	1.1	121	29	924	7.08	177	9	ND	1	90	12.3	39	3	68	.82	.049	20	49	.10	1168	.01	16	.83	.01	.18	1	52
027598 DR	8	108	26	509	2.7	115	28	1134	5.04	486	11	ND	1	299	11.8	38	3	92	4.33	.232	14	49	.84	1923	.01	14	.91	.01	.18	1	130
027599 DR	28	128	8	944	1.8	121	8	337	1.97	159	5	ND	1	307	14.0	42	2	223	2.22	.251	17	24	.90	1513	.01	15	.61	.01	.14	1	98
027600 DR	45	103	11	888	1.4	128	8	298	2.00	101	7	ND	1	226	12.5	29	2	247	2.47	.100	16	20	1.13	989	.01	15	.43	.01	.13	1	33
027601 DR	37	94	13	881	1.2	113	7	179	1.64	49	5	ND	1	217	13.1	30	2	244	2.15	.099	10	20	1.06	1378	.01	9	.44	.01	.11	1	11
027602 DR	45	134	12	1741	1.3	90	4	328	1.09	51	6	ND	2	144	30.5	38	3	331	5.91	.035	14	17	2.81	724	.01	10	.35	.01	.11	1	8
027603 DR	44	121	8	1384	1.5	83	4	262	1.15	57	5	ND	4	149	31.4	45	2	321	6.38	.050	11	16	2.98	755	.01	11	.36	.01	.12	1	6
027604 DR	28	104	11	1035	2.2	82	10	301	2.63	66	5	ND	1	253	15.3	26	6	138	2.53	.107	8	24	1.26	1249	.01	10	.54	.01	.14	1	14
027605 DR	17	105	13	473	3.0	73	15	167	2.80	92	5	ND	1	175	2.5	25	6	66	.64	.069	5	24	.36	1055	.01	17	.59	.01	.14	1	16
027606 DR	6	77	34	258	.8	81	22	740	4.49	81	5	ND	1	175	2.8	16	3	60	2.57	.037	7	51	1.27	960	.01	17	.60	.01	.14	1	10
027607 DR	1	59	18	215	.2	92	32	1474	6.68	135	5	ND	1	215	2.8	11	2	96	8.22	.056	13	86	2.77	985	.01	9	.78	.01	.11	2	6
027608 DR	5	66	8	649	.5	155	50	887	7.23	113	7	ND	1	81	6.2	13	4	134	2.78	.150	28	99	1.70	855	.01	8	2.45	.01	.13	1	2
027609 DR	2	67	2	251	.5	87	32	1022	5.97	36	5	ND	1	171	3.7	20	2	99	5.68	.095	16	100	2.78	1515	.01	12	2.30	.02	.16	1	4
027610 DR	3	67	14	337	.2	78	32	1214	6.41	43	11	ND	2	159	2.9	30	4	68	7.23	.134	25	53	2.27	1043	.01	6	1.00	.01	.14	1	2
027611 DR	5	66	11	392	.8	76	27	1096	6.70	67	11	ND	1	221	4.9	19	2	100	4.71	.081	15	37	1.73	1040	.01	11	.72	.01	.13	1	7
027612 DR	4	48	14	183	.7	51	14	484	3.02	53	5	ND	1	176	1.6	13	2	47	3.22	.040	6	26	1.51	416	.01	10	.63	.01	.14	1	8
STANDARD C/AU-R	18	58	39	133	7.2	73	32	1050	3.97	42	21	7	36	53	19.3	15	19	56	.45	.099	38	59	.91	183	.07	34	1.88	.06	.14	11	500

90-240

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	Hg ppb
027613 DR	3	38	12	62	.4	27	9	306	1.57	14	5	ND	1	119	.2	8	2	15	1.47	.047	4	10	.65	409	.01	13	.31	.01	.13	1	18	280
027614 DR	3	62	11	76	.4	22	7	162	1.43	16	5	ND	1	119	.3	7	4	20	.74	.059	4	10	.33	505	.01	14	.35	.01	.14	1	25	300
027615 DR	2	96	5	134	.5	72	25	477	4.43	18	5	ND	1	117	.8	14	3	66	2.74	.073	9	44	1.57	111	.01	9	.51	.01	.12	1	15	720
027616 DR	1	76	10	97	.1	44	29	599	5.97	5	5	ND	1	122	2.0	.2	2	125	3.51	.103	17	29	2.99	287	.01	7	1.52	.02	.11	1	5	320
027617 DR	2	75	15	154	.5	52	21	379	4.12	11	5	ND	1	86	.7	11	2	57	1.59	.065	8	37	1.41	262	.01	14	.92	.01	.23	1	4	420
027618 DR	13	48	20	84	1.4	35	8	162	1.73	153	5	ND	1	127	1.1	63	2	99	.14	.078	9	25	.06	2182	.01	12	.50	.01	.09	2	110	3000
027619 DR	23	35	24	45	2.0	28	4	60	1.47	103	5	ND	1	179	.2	631	3	115	.21	.085	7	23	.06	590	.01	16	.44	.01	.15	1	83	4800
027620 DR	29	31	33	152	2.4	50	5	26	2.56	616	5	ND	4	265	.5	398	2	205	.21	.114	19	30	.05	1247	.01	12	.51	.01	.16	2	500	5200
027621 DR	22	77	25	156	6.0	76	8	20	2.93	807	8	ND	2	336	1.7	296	2	343	.18	.302	7	64	.02	3217	.01	9	.92	.01	.06	2	5	5800
027622 DR	11	77	50	386	1.5	58	11	90	3.29	1458	5	ND	7	187	6.0	157	3	96	.17	.128	30	18	.04	1542	.01	11	.71	.01	.17	2	440	1600
027623 DR	4	31	46	347	.6	34	12	320	3.94	3758	5	ND	10	66	5.3	63	2	45	.15	.093	33	14	.03	762	.01	11	.45	.01	.14	3	1450	1500
027624 DR	4	38	24	247	.6	39	13	318	3.19	1879	5	ND	7	49	1.6	66	2	40	.17	.084	27	17	.03	544	.01	15	.44	.01	.13	1	510	1400
027625 DR	4	109	11	415	.5	202	39	1380	5.28	416	5	ND	1	89	4.1	59	2	44	3.64	.070	14	94	.55	1821	.01	15	.63	.01	.21	1	84	620
027626 DR	23	83	11	635	1.3	100	8	473	1.89	205	5	ND	1	224	9.2	38	2	177	3.76	.164	10	25	1.62	1607	.01	18	.49	.01	.12	1	12	3100
027627 DR	32	81	10	612	1.5	104	8	254	1.86	132	5	ND	1	240	5.1	39	2	138	2.30	.145	7	18	1.01	1261	.01	13	.39	.01	.11	1	20	1800
027628 DR	26	135	22	742	2.8	70	5	275	1.58	101	5	ND	3	299	7.1	49	3	219	4.64	.614	16	51	1.54	1890	.01	31	.74	.01	.24	1	32	3800
027629 DR	17	76	26	708	1.9	61	10	386	2.72	71	5	ND	4	178	1.9	32	3	48	2.99	.251	23	23	1.14	660	.01	22	.71	.01	.29	1	1	1300
027630 DR	10	54	12	309	.7	34	7	321	1.88	40	5	ND	3	159	.6	23	2	23	3.15	.082	10	8	1.40	447	.01	14	.41	.01	.18	1	4	1100
027631 DR	10	57	16	330	1.8	43	10	649	2.54	37	5	ND	1	142	3.2	20	2	56	2.73	.127	11	20	1.06	597	.01	16	.40	.01	.16	1	12	720
027632 DR	12	90	16	385	1.1	46	7	290	2.69	61	5	ND	1	294	2.5	111	3	89	2.91	.341	14	35	1.13	1340	.01	27	.74	.01	.24	1	8	1600
027633 DR	14	68	22	355	1.9	41	5	54	1.25	84	5	ND	1	190	.5	36	2	99	1.00	.427	11	45	.15	1964	.01	16	.35	.01	.09	1	8	1500
027634 DR	52	128	23	820	1.1	85	5	224	1.15	127	5	ND	3	106	13.5	49	2	299	4.77	.044	13	15	2.29	468	.01	9	.29	.01	.11	1	6	6300
027635 DR	50	84	23	1012	1.2	101	5	387	1.23	75	5	ND	3	138	15.6	53	2	246	5.27	.027	10	14	2.50	521	.01	12	.31	.01	.09	1	1	3300
027636 DR	36	52	18	544	1.3	80	7	214	1.73	38	5	ND	1	183	6.7	27	2	80	2.73	.082	6	18	1.37	168	.01	14	.38	.01	.13	1	1	1400
027637 DR	8	19	19	43	.8	30	2	52	.43	51	5	ND	1	52	.6	60	2	71	.20	.027	3	15	.04	1527	.01	11	.25	.01	.08	1	1	2400
027638 DR	12	15	16	25	.6	21	2	25	.51	47	5	ND	1	77	.8	51	2	122	.10	.021	2	13	.03	1445	.01	9	.26	.01	.09	1	1	2800
027639 DR	22	37	21	28	1.4	17	2	16	1.06	88	5	ND	2	133	.5	80	2	261	.08	.053	4	28	.03	1193	.01	12	.43	.01	.14	1	100	4300
027640 DR	48	112	15	267	6.4	70	9	35	2.82	192	5	ND	3	260	3.1	512	2	357	.09	.195	10	63	.02	3632	.01	9	.60	.01	.08	2	620	10000
027641 DR	22	194	14	358	4.8	93	8	47	2.07	100	5	ND	2	160	4.3	94	2	186	.07	.117	9	35	.02	2108	.01	5	.63	.01	.08	2	170	6200
027642 DR	19	134	28	622	5.7	97	14	527	2.59	119	6	ND	1	158	29.9	105	2	154	.12	.111	6	30	.03	1997	.01	12	.51	.01	.10	1	240	7600
027643 DR	34	132	47	661	3.2	124	5	105	1.58	89	5	ND	1	225	23.6	66	4	929	.42	.214	21	52	.05	1813	.01	17	.62	.01	.15	1	70	19000
027644 DR	34	126	16	901	2.1	113	4	363	1.19	54	5	ND	4	188	15.7	45	4	342	6.49	.123	18	33	2.77	986	.01	16	.40	.01	.14	1	10	6300
027645 DR	34	112	17	771	1.4	95	5	179	1.36	44	5	ND	1	150	16.8	48	3	287	2.62	.084	10	21	1.25	892	.01	14	.39	.01	.15	1	11	6100
027646 DR	18	47	25	583	.3	51	10	297	2.44	28	5	ND	1	128	.9	25	2	19	1.47	.041	12	7	.71	476	.01	12	.36	.01	.14	1	86	2100
027647 DR	5	48	12	248	.6	43	7	618	1.93	23	5	ND	4	218	.7	19	2	45	5.70	.052	7	8	2.34	349	.01	10	.30	.01	.13	1	7	1300
027648 DR	6	52	7	274	2.2	45	4	295	.96	17	5	ND	3	385	1.8	42	4	97	6.06	.372	9	39	2.39	1385	.01	21	.33	.01	.09	1	4	1900
STANDARD C/AU-R	19	59	40	133	7.2	73	32	1056	3.97	45	21	7	36	53	19.3	14	17	57	.46	.099	38	60	.90	182	.07	33	1.89	.06	.14	13	480	1500

BCRC 90-241

BCRC 90-242

BCRC 90-255

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	Hg ppb
027907 DR	2	20	41	140	.6	19	11	922	3.31	2197	5	7	14	73	.2	72	2	63	.08	.034	31	24	.02	752	.01	5	.61	.01	.04	3	6980	3600
027908 DR	2	23	50	160	.4	22	12	1068	3.99	2266	5	5	13	77	.2	100	4	68	.13	.036	30	27	.02	821	.01	5	.64	.01	.04	3	5440	3200
027909 DR	3	23	46	210	.5	28	13	1051	4.34	1938	5	5	13	66	.4	114	2	64	.10	.034	28	25	.03	723	.01	2	.61	.01	.04	3	5220	3500
027910 DR	3	21	30	147	.7	23	12	1157	4.61	2130	5	6	14	66	.2	203	2	64	.28	.030	32	24	.03	669	.01	6	.60	.01	.06	3	5300	3300
027911 DR	4	23	25	138	1.6	28	9	1223	3.45	3693	5	15	9	119	.2	138	5	95	.25	.097	30	19	.02	1401	.01	7	.59	.01	.06	4	14180	3000
027912 DR	14	66	24	337	1.6	75	6	273	1.81	627	5	ND	1	426	3.4	128	4	436	.70	.448	10	54	.03	3720	.01	18	.79	.01	.10	1	480	4800
027913 DR	15	66	39	364	1.1	72	11	402	3.43	444	5	ND	12	187	3.3	105	2	176	.23	.157	40	32	.04	1972	.01	9	.77	.01	.12	1	200	2900
027914 DR	5	39	45	248	.2	41	15	901	4.35	176	5	ND	23	94	1.5	40	2	30	1.64	.119	70	20	.05	837	.01	5	.72	.01	.12	2	150	1700
027915 DR	4	37	46	197	.4	38	15	1031	4.82	126	5	ND	23	98	.7	82	4	26	1.25	.114	70	17	.05	858	.01	10	.69	.01	.12	3	150	1300
027916 DR	3	37	25	140	.1	29	10	792	4.00	84	5	ND	18	170	1.8	16	3	25	3.79	.097	44	15	.23	992	.01	10	.65	.01	.12	1	27	1400
027917 DR	5	36	36	220	.2	40	12	763	3.81	99	5	ND	23	84	.9	27	2	24	2.38	.121	67	17	.08	532	.01	8	.59	.01	.13	1	28	1800
027918 DR	5	34	28	237	.1	38	12	768	3.69	110	5	ND	22	119	1.5	26	2	23	2.10	.119	63	17	.21	318	.01	4	.49	.01	.16	1	78	2500
027919 DR	8	41	33	266	.2	48	16	954	4.58	147	5	ND	23	78	1.0	38	2	25	.97	.128	71	19	.06	1039	.01	9	.55	.01	.16	3	21	1600
027920 DR	3	23	40	170	.3	18	11	545	3.37	62	5	ND	15	96	.8	48	3	35	2.16	.114	48	22	.34	2065	.01	6	1.35	.01	.18	2	21	590
027921 DR	2	17	38	112	.2	12	9	581	3.06	48	5	ND	14	87	.4	24	2	48	2.76	.108	40	20	.28	818	.02	4	1.04	.01	.15	2	1	470
027922 DR	2	15	14	111	.1	11	9	595	2.62	45	5	ND	15	67	.2	20	2	52	1.39	.104	43	21	.15	438	.01	3	.84	.01	.14	1	19	780
027923 DR	4	17	23	142	.1	20	11	663	3.40	56	5	ND	17	75	.2	21	3	59	1.33	.107	49	25	.16	545	.01	5	.71	.01	.09	1	1	1800
027924 DR	4	21	33	151	.2	18	11	738	3.42	68	5	ND	18	72	.4	33	2	52	1.57	.123	48	26	.20	605	.01	5	.94	.01	.14	2	24	1100
027925 DR	3	16	27	143	.2	21	9	607	3.26	38	5	ND	15	65	.2	27	2	45	1.45	.113	49	21	.19	382	.01	3	.87	.01	.12	1	10	460
BCRC 90-242 027926 DR	3	40	4	134	.7	26	6	295	1.79	12	5	ND	1	337	.5	24	2	15	5.75	.018	3	7	2.75	143	.01	10	.32	.01	.14	1	6	480
027927 DR	10	51	43	746	.7	80	17	2546	3.19	211	12	ND	8	82	12.4	64	2	127	.80	.070	24	30	.53	2064	.08	3	1.46	.01	.12	2	13	2100
027928 DR	1	18	12	121	.2	21	11	689	3.46	234	5	ND	15	57	1.2	46	2	91	.53	.109	45	43	1.08	2464	.12	2	2.41	.02	.25	2	26	130
027929 DR	3	21	21	157	.1	23	12	1056	3.40	406	5	ND	17	42	.2	88	2	79	.43	.113	51	37	.91	2033	.04	5	1.28	.01	.10	2	33	720
027930 DR	3	18	22	113	.1	12	9	487	2.20	393	5	ND	18	41	.7	45	2	65	.42	.130	34	24	.10	1627	.01	2	.72	.01	.08	3	41	1100
027931 DR	9	46	14	125	.7	33	6	249	2.66	340	5	ND	7	262	.3	47	2	139	.21	.118	22	25	.09	1967	.01	10	.85	.01	.17	1	440	1800
027932 DR	11	21	17	18	.3	8	2	84	2.19	101	5	ND	7	75	.2	20	2	134	.08	.034	22	22	.04	449	.01	12	.51	.01	.22	1	7	1400
027933 DR	9	32	21	53	.3	13	2	92	1.68	168	5	ND	6	114	.2	22	3	108	.08	.025	27	18	.04	455	.01	8	.67	.01	.18	1	13	1050
027934 DR	5	27	31	361	.1	63	14	594	4.06	571	5	ND	12	151	3.0	58	2	52	.09	.073	29	18	.03	1565	.01	4	.76	.01	.09	1	220	3300
027935 DR	7	17	24	312	.1	44	13	883	3.76	530	5	ND	14	58	.2	53	2	43	.10	.034	32	19	.03	1739	.01	6	.61	.01	.08	1	39	2200
027936 DR	4	18	21	192	.3	29	12	923	3.42	589	5	ND	18	56	.2	61	2	47	.90	.092	44	21	.05	1595	.01	5	.64	.01	.09	2	52	1700
027937 DR	4	17	20	234	.2	52	15	1112	3.98	728	5	ND	18	40	.2	79	2	56	.41	.125	52	22	.19	1506	.02	5	1.06	.01	.15	2	47	1200
027938 DR	6	15	30	291	.1	52	12	799	3.19	691	5	ND	20	39	.2	128	3	63	.33	.126	58	26	.04	1429	.01	2	.71	.01	.07	1	80	1300
027939 DR	8	28	38	357	.6	77	18	795	3.25	866	5	ND	12	123	.6	252	4	56	.30	.056	52	22	.04	1550	.01	4	.77	.01	.07	3	1070	2800
027940 DR	7	26	36	492	.7	66	15	1303	3.75	989	5	ND	10	92	1.3	181	2	34	.10	.060	29	17	.04	1802	.01	6	.62	.01	.08	2	520	4500
027941 DR	7	28	33	365	1.0	69	13	985	4.24	1299	5	ND	8	80	.3	156	2	35	.09	.058	28	12	.04	1663	.01	5	.63	.01	.09	2	930	3000
027942 DR	5	56	21	426	1.2	88	12	742	4.33	1718	5	ND	9	121	2.2	95	2	47	.12	.074	26	15	.04	1262	.01	7	.73	.01	.10	1	1220	3200
STANDARD C/AU-R	18	61	39	132	7.2	69	32	1057	3.98	43	22	7	36	52	19.4	14	22	55	.44	.097	37	60	.90	181	.07	35	1.89	.06	.14	12	510	1400

BCRC 90-256

BCRC 90-255

BERC 90-242

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	Hg ppb	Hg ppb
027649 DR	6	49	8	263	.5	46	9	410	2.26	16	5	ND	3	182	.8	16	2	32	4.53	.028	9	14	2.23	429	.01	10	.37	.01	.15	1	13	600
027650 DR	4	33	14	204	.4	41	10	351	2.51	16	5	ND	5	230	.8	13	2	18	7.28	.022	13	11	3.32	443	.01	15	.39	.01	.18	1	7	720
027651 DR	1	28	11	101	.2	28	9	334	2.16	12	5	ND	4	208	.5	13	2	13	8.56	.023	5	11	3.75	314	.01	18	.39	.01	.19	1	2	630
027652 DR	5	35	9	185	.1	40	11	286	2.10	16	5	ND	4	166	.2	12	2	15	5.98	.019	9	12	2.86	298	.01	18	.41	.01	.21	1	5	610
027653 DR	2	44	5	114	.4	27	7	380	2.14	8	5	ND	3	173	.3	19	2	12	5.97	.031	3	10	2.70	173	.01	17	.38	.01	.18	1	9	510
027654 DR	1	39	2	123	.4	28	9	327	2.19	13	5	ND	2	336	.2	21	2	9	5.82	.034	3	6	2.25	153	.01	11	.34	.01	.16	1	5	730
027655 DR	12	12	21	14	.7	14	1	15	1.05	87	5	ND	1	49	.2	58	2	75	.21	.024	4	11	.06	382	.01	13	.37	.01	.22	1	27	5600
027656 DR	15	22	20	27	2.3	21	1	29	.95	91	5	ND	1	142	.5	114	2	113	.28	.093	6	21	.08	1004	.01	12	.45	.01	.17	2	66	5200
027657 DR	11	19	22	14	2.5	18	1	19	.63	72	5	ND	1	133	.7	104	2	100	.15	.082	6	19	.03	984	.01	7	.33	.01	.08	1	150	4400
027658 DR	26	33	27	59	4.8	28	3	37	1.42	442	5	ND	3	395	1.8	410	2	318	.21	.259	14	48	.05	2912	.01	9	.72	.01	.11	2	380	10000
027659 DR	53	224	25	899	3.1	194	9	292	2.03	256	7	ND	2	418	21.9	204	2	488	.25	.313	14	56	.04	6057	.01	16	.98	.01	.13	2	81	16000
027660 DR	23	128	53	848	2.1	147	6	283	1.31	118	5	ND	1	642	22.4	95	2	441	1.73	.830	14	64	.09	5359	.01	23	.97	.01	.18	2	55	8800
027661 DR	28	190	30	636	7.4	200	7	207	1.31	125	5	ND	1	773	26.6	227	2	815	2.57	1.068	21	110	.09	4511	.01	27	1.23	.01	.24	3	64	19000
027662 DR	34	123	24	824	3.1	162	11	306	2.40	161	5	ND	1	627	18.2	184	2	261	.74	.394	18	45	.12	3256	.01	16	.96	.01	.17	1	110	7600
027663 DR	10	56	26	540	1.2	73	7	203	2.26	68	5	ND	2	202	1.5	42	2	61	.85	.369	25	25	.09	1044	.01	22	.70	.01	.27	1	20	2100
027664 DR	12	52	7	475	.5	46	8	171	2.13	42	5	ND	5	45	1.1	45	2	20	.13	.044	22	9	.07	425	.01	12	.43	.01	.18	1	11	780
027665 DR	10	50	13	542	.7	60	10	312	2.57	35	5	ND	2	90	3.8	40	2	17	.70	.025	25	8	.39	396	.01	17	.39	.01	.16	1	13	800
027666 DR	10	39	5	541	.7	53	8	509	2.24	33	5	ND	2	134	4.1	39	3	20	1.02	.043	21	8	.54	427	.01	11	.38	.01	.15	1	28	1100
027667 DR	3	50	24	226	.5	30	6	692	2.21	25	5	ND	3	302	1.5	26	2	13	3.60	.021	15	5	1.57	299	.01	9	.31	.01	.14	1	10	400
027668 DR	5	55	19	270	.8	44	8	449	2.13	30	5	ND	4	184	.6	22	2	14	2.55	.019	16	9	1.20	370	.01	13	.36	.01	.16	1	10	630
027669 DR	14	82	48	458	1.4	72	7	544	1.92	106	5	ND	3	406	4.0	38	2	83	3.16	.224	19	25	1.28	738	.01	19	.61	.01	.18	1	26	1500
027670 DR	3	84	25	230	2.6	30	3	165	1.39	135	5	ND	1	539	1.8	22	2	117	2.56	.895	21	88	.38	930	.01	26	.69	.01	.15	1	19	1300
027671 DR	12	65	16	260	.9	36	4	447	1.88	30	5	ND	4	245	2.4	22	2	82	6.17	.115	14	21	2.65	288	.01	18	.46	.01	.17	1	4	1200
027672 DR	2	47	40	283	.6	34	7	439	2.04	17	5	ND	5	218	.3	21	2	16	4.83	.031	16	12	2.22	181	.01	14	.36	.01	.15	1	8	350
027673 DR	1	41	20	183	.3	25	6	352	1.75	12	5	ND	5	243	1.3	17	2	11	4.57	.021	15	12	2.20	181	.01	12	.36	.01	.15	1	3	220
027674 DR	3	43	50	197	.7	35	9	332	2.17	19	5	ND	4	251	.2	17	2	16	4.46	.024	12	12	2.14	106	.01	11	.33	.01	.14	1	5	160
027675 DR	1	38	72	117	.8	30	8	327	1.85	15	5	ND	4	269	.2	16	2	10	3.46	.016	10	11	1.70	112	.01	14	.36	.01	.16	1	2	180
027676 DR	2	50	29	144	.7	29	8	444	2.13	27	5	ND	3	228	.8	18	2	12	3.63	.013	12	11	1.77	158	.01	10	.31	.01	.14	1	8	210
027677 DR	6	73	24	319	1.3	51	15	443	3.89	68	5	ND	1	210	3.3	28	4	53	2.72	.071	12	16	1.57	109	.01	14	.49	.01	.16	1	14	430
027678 DR	3	65	10	456	1.1	45	20	676	5.64	16	5	ND	1	135	6.6	13	2	117	2.33	.107	19	36	1.99	140	.01	6	1.06	.02	.12	1	6	380
027679 DR	13	124	41	497	4.6	88	9	124	3.63	2832	5	ND	11	344	16.9	105	2	167	.33	.188	43	37	.11	2433	.01	8	.87	.01	.10	2	1470	5500
027680 DR	10	272	15	441	22.9	93	8	196	2.05	636	5	ND	1	166	20.7	265	2	125	.16	.120	10	28	.03	1606	.01	9	.71	.01	.09	1	240	10000
027681 DR	41	188	12	784	4.2	149	6	201	1.46	111	5	ND	1	203	43.3	127	2	1357	.64	.249	20	80	.07	1734	.01	21	.73	.01	.18	1	73	34000
027682 DR	36	148	17	1749	2.8	167	10	461	2.27	85	5	ND	4	90	50.9	88	3	1562	.45	.142	24	56	.15	858	.01	21	.66	.01	.21	1	30	19000
027683 DR	4	49	12	642	.8	53	9	366	2.29	68	5	ND	3	102	5.8	33	2	63	3.04	.035	18	10	1.43	553	.01	17	.46	.01	.19	1	41	1050
027684 DR	10	46	13	559	1.0	58	9	350	1.89	30	5	ND	4	100	3.0	24	2	39	2.84	.028	19	11	1.44	399	.01	12	.37	.01	.15	1	25	740
STANDARD C/AU-R	18	58	42	131	7.0	72	32	1055	3.96	42	17	7	36	53	18.9	15	19	56	.46	.097	38	59	.90	182	.07	35	1.89	.06	.14	13	480	1500

BERC 90-243

BERC 90-244

BCRC 90-244

BCRC 90-245

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	Hg ppb
027685 DR	18	125	21	689	2.1	117	6	274	1.35	49	5	ND	2	265	7.0	38	3	205	3.83	.779	19	46	.94	1556	.01	28	.80	.01	.27	1	13	1800
027686 DR	8	56	11	323	2.2	48	7	437	1.52	20	5	ND	1	174	3.2	23	2	98	2.58	.334	15	29	.75	1048	.01	20	.57	.01	.22	1	17	2100
027687 DR	40	195	27	874	2.5	98	3	217	1.49	50	5	ND	3	187	19.0	42	2	543	5.01	.412	15	51	2.01	609	.01	20	.56	.01	.20	1	11	4600
027688 DR	53	147	11	1685	1.3	91	4	238	1.20	64	5	ND	5	127	29.2	48	2	389	7.27	.049	9	18	3.33	346	.01	14	.33	.01	.14	1	7	4100
027689 DR	27	80	9	1495	.7	88	7	299	1.99	26	5	ND	1	65	8.1	23	2	103	2.61	.034	4	15	1.39	366	.01	15	.36	.01	.16	1	10	1100
027690 DR	9	49	8	867	.3	50	9	587	2.42	15	5	ND	2	136	3.5	12	2	17	5.09	.018	4	12	2.38	444	.01	13	.36	.01	.17	1	12	400
027691 DR	12	50	7	564	.6	66	9	370	2.35	20	5	ND	2	338	4.5	15	2	43	4.64	.027	4	8	2.15	492	.01	12	.28	.01	.13	1	11	810
027692 DR	3	99	3	335	.4	96	26	802	4.32	28	5	ND	1	238	1.6	23	4	73	4.06	.058	9	73	2.32	8083	.01	13	1.02	.02	.23	1	5	430
027693 DR	1	102	4	249	.4	90	27	900	5.06	32	5	ND	1	183	1.5	20	2	71	4.60	.070	11	84	2.26	5415	.01	9	.89	.02	.21	1	9	480
027694 DR	2	52	2	164	.3	71	22	750	5.21	23	5	ND	1	155	.5	22	2	70	4.58	.105	17	45	1.45	1055	.01	7	.54	.01	.12	1	11	320
027695 DR	2	55	17	135	.5	78	25	783	6.20	18	5	ND	2	150	1.1	20	2	88	4.18	.125	24	51	.95	711	.01	7	.63	.01	.11	1	10	580
027696 DR	6	64	15	161	1.2	58	13	209	2.46	29	5	ND	1	359	.3	19	2	52	1.91	.619	15	25	.39	1786	.01	27	.72	.01	.22	1	9	540
027697 DR	5	33	19	65	.9	32	3	74	1.14	10	5	ND	1	113	.3	14	5	32	.68	.172	7	18	.09	636	.01	14	.26	.01	.12	1	8	560
027698 DR	4	19	23	30	.6	17	2	59	.91	7	5	ND	1	80	.2	10	2	24	.32	.119	5	13	.06	478	.01	9	.17	.01	.08	1	2	250
027699 DR	3	42	7	71	.5	29	6	331	1.78	14	5	ND	1	184	.3	10	2	18	3.76	.043	4	12	1.68	344	.01	11	.31	.01	.13	1	7	300
027700 DR	9	48	16	108	1.0	31	6	255	2.06	20	5	ND	1	160	.4	14	6	20	2.67	.054	4	14	1.26	157	.01	14	.34	.01	.14	1	7	540
027701 DR	59	219	23	590	2.9	162	4	53	1.43	73	8	ND	1	79	28.5	40	2	699	.51	.180	25	43	.08	702	.01	14	.54	.01	.18	2	18	7700
027702 DR	4	52	16	408	.6	67	9	233	2.38	23	5	ND	7	20	15.4	14	2	91	.09	.087	23	11	.05	302	.01	15	.38	.01	.17	1	6	720
027703 DR	31	73	10	419	1.3	117	6	283	1.64	33	5	ND	1	125	5.7	28	2	171	1.44	.223	15	20	.52	870	.01	17	.40	.01	.14	2	7	2900
027704 DR	44	151	13	764	2.4	107	4	234	1.16	46	5	ND	2	191	20.8	36	2	437	4.05	.331	21	32	1.56	699	.01	20	.49	.01	.18	2	7	6100
027705 DR	25	68	8	557	1.9	64	3	176	1.08	23	9	ND	1	185	6.7	17	2	163	3.73	.367	12	31	1.41	630	.01	16	.37	.01	.13	2	3	1600
027706 DR	15	55	11	525	2.5	84	4	263	1.33	19	5	ND	2	313	2.3	18	2	71	5.17	.417	9	33	2.04	1288	.01	14	.43	.01	.13	1	1	1200
027707 DR	19	90	18	605	1.2	112	13	377	3.36	46	5	ND	1	142	2.6	17	2	84	1.72	.114	8	29	.71	846	.01	16	.44	.01	.15	1	17	760
027708 DR	5	78	10	194	.6	40	7	221	2.66	36	5	ND	1	33	.3	11	2	31	.19	.037	3	17	.08	400	.01	11	.28	.01	.09	1	12	250
027709 DR	2	103	12	246	.6	131	28	771	4.67	21	5	ND	1	111	.6	23	2	57	3.17	.062	11	88	1.07	1719	.01	10	1.07	.01	.16	1	7	200
027710 DR	3	100	11	167	.6	99	25	717	5.10	18	5	ND	1	189	1.7	14	2	96	3.13	.069	11	124	2.42	1813	.01	16	1.64	.01	.16	1	3	280
027711 DR	13	99	13	546	3.0	92	9	239	2.15	54	6	ND	1	280	6.8	25	5	183	2.15	.778	12	52	.33	2105	.01	28	.92	.01	.30	2	6	830
027712 DR	4	42	11	247	.5	57	12	689	1.97	27	5	ND	1	119	1.0	10	2	18	3.01	.127	7	12	1.43	869	.01	15	.48	.01	.21	1	9	260
027713 DR	15	61	11	257	.4	79	14	359	2.59	30	5	ND	1	87	1.7	12	2	47	1.33	.100	5	12	.65	618	.01	12	.39	.01	.17	1	6	480
027714 DR	9	79	25	468	.9	96	18	384	4.37	22	5	ND	2	110	2.3	28	2	51	.75	.174	7	15	.26	1116	.01	15	.58	.01	.23	1	7	420
027715 DR	19	90	21	367	1.0	75	12	247	2.92	75	5	ND	1	95	7.0	34	2	105	.90	.034	4	10	.52	1432	.01	10	.43	.01	.19	1	9	660
027716 DR	7	60	16	259	.7	51	9	327	1.94	24	5	ND	1	120	2.2	9	2	32	3.08	.021	4	9	1.50	208	.01	12	.37	.01	.19	1	4	290
027717 DR	2	36	3	85	.4	28	6	286	1.75	8	5	ND	1	138	.6	4	2	11	3.17	.030	3	8	1.41	335	.01	9	.32	.01	.16	1	6	100
027718 DR	6	65	19	271	.6	48	12	300	3.06	7	5	ND	1	99	3.0	9	2	36	1.37	.066	4	10	.62	268	.01	13	.48	.01	.22	1	5	180
027719 DR	5	63	18	169	.3	46	12	273	3.05	9	5	ND	1	86	.7	14	2	26	.62	.041	4	9	.54	499	.01	11	.49	.01	.23	1	6	230
STANDARD C/AU-R	19	62	43	133	7.5	73	32	1057	3.99	43	22	7	36	52	19.5	14	21	59	.45	.095	39	61	.90	183	.08	35	1.90	.06	.13	13	510	1500

SAMPLE	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	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	Hg ppb	Hg ppb
027490 DR		40	92	148	.2	43	12	934	4.32	1429	5	ND	8	138	.7	58	2	59	.82	.067	29	33	.35	884	.01	6	.84	.01	.17	1	590	1200
027491 DR		121	8	137	.1	78	37	887	10.94	86	5	ND	1	114	1.6	20	5	185	.06	.072	18	52	.03	1572	.01	2	.87	.01	.07	2	13	1100
027492 DR		88	14	227	.6	88	32	637	8.[illegible]	76	5	ND	1	152	2.1	29	2	193	.09	.109	23	60	.03	1833	.01	4	.90	.01	.09	1	1	1600
027493 DR		112	8	425	1.7	64	12	146	.32	43	5	ND	1	131	2.6	30	2	300	.15	.100	18	46	.04	421	.01	2	.95	.06	.17	1	1	1700
027494 DR		131	10	545	1.4	98	24	318	7.48	49	5	ND	1	107	4.7	27	2	203	.23	.136	21	39	.37	710	.01	3	1.34	.03	.15	1	15	830
027495 DR		113	32	584	1.9	90	15	440	6.64	55	5	ND	1	122	4.5	50	2	390	.[illegible]	.1[illegible]	18	77	.31	558	.01	2	1.3[illegible]	.05	.[illegible]	1	1	650
027496 DR		117	15	445	1.1	128	26	1280	8.36	28	5	ND	1	81	8.6	26	2	295	.[illegible]	.38	.1[illegible]	20	112	.97	613	.01	4	2.[illegible]	.04	.[illegible]	1	10	600
027497 DR		98	37	447	1.5	103	24	1266	7.23	40	5	ND	1	109	9.9	29	2	211	.[illegible]	.22	.1[illegible]	19	51	.19	1007	.01	5	1.[illegible]8	.02	.[illegible]	1	2	1100
027498 DR		82	32	470	1.1	97	[illegible]	71	3.20	52	5	ND	1	133	6.5	28	2	210	.28	.0[illegible]	17	21	.07	1097	.01	7	.63	.01	.[illegible]	1	3	1400
027499 DR		104	31	603	2.1	112	[illegible]9	81	3.47	73	5	ND	1	179	4.8	30	2	[illegible]45	.29	.0[illegible]	19	35	.08	1098	.01	8	.72	.01	.[illegible]	1	4	1800
027500 DR		122	20	813	1.8	170	18	168	4.93	49	5	ND	1	146	13.2	39	2	229	.25	.09[illegible]	19	62	.05	1185	.01	[illegible]	.65	.01	.[illegible]	1	2	3200
027501 DR		81	37	660	1.3	11[illegible]	15	595	4.37	12	5	ND	10	162	11.2	32	2	165	.84	.09[illegible]	35	49	.19	1355	.01	[illegible]5	.63	.01	.[illegible]	1	2	2600
027502 DR		40	40	220	.3	[illegible]8	11	676	4.01	76	5	ND	13	280	2.5	15	2	66	2.29	.08[illegible]	35	33	.77	807	.01	5	.54	.01	.[illegible]	1	9	1200
027503 DR		50	43	282	.5	[illegible]7	13	653	4.27	13	5	ND	14	230	3.6	17	2	90	1.74	.09[illegible]	40	47	.68	1047	.01	3	.63	.01	.[illegible]	1	36	1400
027504 DR		87	35	520	1.6	[illegible]27	12	314	3.85	26	5	ND	5	201	9.6	16	2	198	.80	.08[illegible]	28	29	.22	774	.01	4	.52	.01	.[illegible]	1	19	2300
027505 DR		102	23	725	2.[illegible]	154	20	251	4.91	36	5	ND	2	181	11.6	[illegible]4	2	259	.41	.12[illegible]	27	66	.12	1072	.01	5	.76	.01	.22	1	1	1300
027506 DR		40	19	227	[illegible]3	37	11	409	3.69	39	5	ND	9	199	3.5	[illegible]2	2	63	1.62	.11[illegible]	32	18	.34	405	.01	6	.53	.01	.15	1	18	1100
027507 DR		20	34	150	[illegible]3	22	8	434	2.99	20	5	ND	10	268	1.5	7	2	43	3.07	.106	34	21	.38	258	.01	9	.69	.01	.22	1	8	460
027508 DR		13	28	116	[illegible]1	16	8	618	3.16	43	5	ND	12	146	.6[illegible]	6	2	41	2.07	.114	39	14	.19	473	.01	7	.74	.01	.20	1	7	660
027509 DR		18	21	138	.1	22	8	823	2.86	138	5	ND	13	64	.[illegible]	8	2	49	.49	.109	42	24	.11	351	.01	5	.59	.01	.15	1	5	600
027510 DR		18	17	121	.1	18	8	975	3.68	[illegible]3	5	ND	15	62	[illegible]7	8	2	50	.61	.124	54	18	.15	31[illegible]	.01	2	.76	.01	.15	1	7	[illegible]90
027511 DR		16	13	123	.2	17	9	1141	3.33	7[illegible]	5	ND	15	56	.5	9	2	48	.79	.124	64	23	.17	3[illegible]	.01	4	.89	.01	.18	1	1	[illegible]40
027512 DR		15	15	11[illegible]	.1	14	7	718	3.31	25	5	ND	13	116	.2	6	2	37	1.57	.111	46	15	.34	3[illegible]0	.01	3	.90	.01	.17	1	10	[illegible]60
027513 DR		[illegible]	23	16[illegible]	.1	12	7	379	3.22	13	5	ND	14	90	1.0	4	2	39	.95	.113	[illegible]8	20	.26	8[illegible]0	.01	6	1.07	.02	.19	1		330
027514 DR	1	[illegible]	17	[illegible]5	.1	11	7	474	2.91	11	5	ND	12	182	.2	5	2	32	2.14	.105	4[illegible]	15	.70	[illegible]51	.01	2	.89	.02	.21	2	1	260
027515 DR	3	15	[illegible]7	101	.1	14	7	496	2.87	15	5	ND	11	[illegible]9	.7	6	2	36	2.20	.095	38	[illegible]1	.83	[illegible]30	.01	4	.78	.02	.18	1	3	280
027516 DR	3	13	20	83	.4	14	7	474	2.67	12	5	ND	12	197	1.1	5	2	34	1.94	.093	35	[illegible]8	.75	[illegible]08	.01	3	.56	.02	.17	1	3	380
027517 DR	4	10	17	86	.1	16	6	476	2.77	15	5	ND	[illegible]1	263	.2	4	2	31	2.25	.087	37	[illegible]0	.80	183	.01	2	.51	.03	.17	1	3	280
027518 DR	3	16	15	133	.1	20	8	530	2.98	25	5	ND	11	186	1.5	6	2	44	2.07	.097	38	17	.[illegible]8	401	.01	4	.52	.03	.19	1	4	300
027720 DR	10	20	55	90	.9	22	2	52	1.43	804	5	ND	5	137	.2	127	2	72	.14	.046	22	36	.05	900	.01	7	.56	.01	.13	1	1690	1600
027721 DR	20	20	20	37	.7	15	2	27	1.25	273	5	ND	1	63	.2	106	2	178	.08	.033	4	13	.01	2006	.01	6	.32	.01	.08	3	71	1800
027722 DR	19	20	22	25	.6	23	2	19	.88	176	5	ND	1	102	.2	89	3	158	.10	.050	4	51	.02	2354	.01	7	.36	.01	.08	2	13	2100
027723 DR	12	17	15	25	.8	19	2	36	.63	71	5	ND	1	117	.2	53	2	136	.12	.057	3	15	.03	1873	.01	11	.38	.01	.09	2	6	2600
027724 DR	23	28	30	79	.8	33	2	27	1.28	415	5	ND	3	107	.2	96	2	189	.05	.055	9	50	.01	827	.01	10	.48	.01	.11	1	220	2200
027725 DR	22	28	26	121	2.8	38	3	35	1.69	515	5	ND	4	275	.2	101	2	247	.05	.217	11	38	.02	2398	.01	10	.67	.01	.14	2	250	5400
027726 DR	17	25	17	51	2.6	41	4	18	.66	209	10	ND	2	460	.2	94	2	395	.04	.319	9	97	.02	5509	.01	13	.83	.01	.10	4	57	7800
STANDARD C/AU-R	18	62	40	132	7.3	73	31	1060	3.99	44	18	7	36	53	18.5	15	19	55	.47	.095	37	61	.90	181	.07	33	1.90	.06	.14	11	530	1400

BCRC 90-236

BCRC 90-246

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	... 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	Hg ppb
027727 DR	26	156	24	200	3.4	88	6	35	1.90	234	6	ND	2	314	.2	160	5	292	.04	.248	7	78	.02	3935	.01	6	.83	.01	.08	2	150	7600
027728 DR	17	406	27	661	3.6	104	10	73	3.36	139	5	ND	3	136	7.5	124	2	152	.06	.108	7	29	.02	1986	.01	6	.73	.01	.10	2	120	21000
027729 DR	28	152	14	975	2.8	112	7	254	1.87	102	5	ND	1	345	14.6	82	2	253	1.68	.227	9	42	.79	3170	.01	8	.65	.01	.11	2	96	12000
027730 DR	49	120	25	1141	4.6	130	8	417	1.77	159	5	ND	1	355	16.9	78	2	257	2.61	.111	9	53	1.39	1926	.01	7	.42	.01	.09	1	130	11000
027731 DR	34	143	22	1260	6.3	140	8	443	1.48	100	5	ND	1	519	21.4	91	2	370	3.21	.321	12	56	1.57	3788	.01	8	.66	.01	.09	1	80	15000
027732 DR	30	64	138	1377	1.5	89	7	450	2.74	79	5	ND	1	159	17.6	56	2	132	1.25	.047	12	12	.70	451	.01	13	.39	.01	.11	1	43	5800
027733 DR	46	102	30	1235	1.4	132	8	313	2.37	58	5	ND	1	185	18.9	54	2	230	1.75	.071	15	17	.95	1076	.01	11	.39	.01	.12	2	11	5700
027734 DR	45	76	18	559	1.3	103	6	188	1.29	44	5	ND	1	260	8.7	46	2	169	1.30	.221	12	66	.60	2010	.01	12	.42	.01	.11	1	5	4400
027735 DR	6	63	12	353	1.9	40	2	49	.88	18	5	ND	1	525	3.2	38	2	121	7.13	2.722	15	91	.12	1386	.01	37	.56	.01	.17	1	1	2600
027736 DR	5	81	5	559	2.7	62	3	229	1.16	26	5	ND	4	610	2.9	17	4	109	13.58	3.342	24	101	2.64	1862	.01	51	1.04	.01	.28	1	1	3400
027737 DR	4	46	5	311	2.5	45	2	318	1.09	15	5	ND	3	288	.7	8	2	54	8.86	.403	10	43	3.93	248	.01	16	.36	.01	.11	1	1	1050
027738 DR	6	23	6	190	1.6	37	2	237	.90	13	5	ND	1	232	.3	14	2	37	4.88	.253	6	53	2.46	789	.01	15	.26	.01	.07	1	1	360
027739 DR	3	26	19	23	2.4	14	2	52	1.31	750	5	ND	3	47	.2	3354	2	28	.07	.011	10	12	.02	395	.01	6	.32	.01	.14	1	1570	1300
027740 DR	1	42	20	25	3.3	12	1	45	.81	413	5	ND	4	47	.2	7100	2	25	.16	.019	13	8	.03	456	.01	4	.33	.01	.12	1	1080	1200
027741 DR	4	35	27	46	6.0	23	4	41	1.78	1028	5	3	6	102	.2	6182	3	31	.12	.020	12	25	.04	606	.01	8	.46	.01	.22	1	3380	1500
027742 DR	5	44	56	77	4.2	25	5	40	2.32	1504	5	ND	7	92	.2	11849	2	26	.13	.021	27	25	.03	580	.01	7	.47	.01	.18	1	760	1600
027743 DR	5	33	72	117	3.7	17	6	49	3.56	2970	5	2	18	87	.2	5335	2	31	.04	.030	51	19	.02	533	.01	6	.48	.01	.14	1	2390	1800
027744 DR	3	25	69	83	5.4	13	5	36	2.79	2186	7	ND	16	99	.2	6860	2	23	.03	.029	48	18	.01	507	.01	5	.40	.01	.14	1	1350	3100
027745 DR	3	17	19	19	3.7	9	2	15	1.21	798	5	ND	9	27	.2	1685	2	25	.01	.007	23	13	.02	250	.01	9	.34	.01	.18	1	470	1050
027746 DR	4	75	25	40	5.1	17	5	17	3.62	6049	5	ND	6	45	.2	7839	3	52	.01	.009	10	29	.02	216	.01	7	.36	.01	.21	1	790	1300
027747 DR	2	62	19	8	6.9	9	1	14	1.51	522	5	ND	1	18	.2	27583	5	28	.01	.005	3	10	.02	96	.01	9	.32	.01	.25	1	1050	2200
027748 DR	1	92	2	137	4.9	103	30	489	4.81	8459	5	15	1	417	1.3	22711	2	34	1.69	.004	5	25	.83	27	.01	4	.57	.01	.14	1	15620	2800
027749 DR	2	26	22	18	3.5	18	4	24	1.96	2993	5	6	1	55	.2	10793	2	22	.11	.007	8	16	.06	82	.01	15	.49	.01	.22	1	7680	2600
027750 DR	2	17	28	19	2.9	22	6	25	2.08	1433	5	ND	3	28	.2	749	2	13	.08	.007	8	15	.05	96	.01	10	.42	.01	.19	1	3920	1800
027751 DR	3	60	27	130	.4	28	12	133	3.32	1503	5	ND	5	73	.2	1252	2	14	.10	.017	8	13	.05	196	.01	9	.38	.01	.21	1	230	1100
027752 DR	3	41	24	147	.7	29	12	172	3.29	1549	5	ND	5	79	.2	1599	2	17	.10	.018	7	12	.05	206	.01	9	.39	.01	.24	1	360	1200
027753 DR	2	29	23	227	.3	34	17	306	4.06	1718	5	ND	2	64	.3	511	2	19	.11	.016	5	10	.05	341	.01	10	.42	.01	.25	1	180	720
027754 DR	3	67	31	205	.3	41	19	343	3.85	1748	5	ND	5	80	.2	207	2	30	.11	.020	7	22	.05	228	.01	9	.47	.01	.25	1	140	540
027755 DR	4	93	26	188	.3	41	17	277	3.62	1770	5	ND	4	143	.2	476	2	41	.09	.017	6	10	.05	305	.01	5	.63	.01	.27	1	48	680
027756 DR	2	57	23	153	.5	27	12	114	3.16	2305	5	ND	2	123	.3	680	2	20	.09	.012	4	6	.04	138	.01	9	.54	.01	.22	1	530	1200
027757 DR	4	31	19	21	1.6	18	3	36	1.09	399	5	ND	2	23	1.6	4988	2	14	.03	.005	4	14	.01	133	.01	5	.23	.01	.08	3	630	1050
027758 DR	7	53	42	144	.6	32	10	221	2.84	854	5	ND	6	52	.2	1081	2	32	.08	.023	14	44	.07	481	.01	9	.58	.01	.15	1	340	1100
027759 DR	3	42	35	119	.4	25	8	123	2.35	1035	5	ND	6	51	.9	293	2	12	.07	.013	14	9	.03	487	.01	8	.36	.01	.14	1	300	560
027760 DR	3	41	45	155	.3	27	8	164	2.64	1311	5	ND	6	45	1.0	344	2	11	.09	.013	16	7	.03	434	.01	7	.35	.01	.13	1	220	730
027761 DR	6	44	52	266	.9	53	18	406	4.51	2191	5	ND	19	68	.9	2200	2	24	.11	.042	61	17	.03	862	.01	8	.44	.01	.13	1	1590	1800
027762 DR	5	42	49	242	1.0	47	17	621	4.75	5263	5	2	17	113	.9	562	2	23	.32	.038	50	29	.12	605	.01	4	.48	.01	.14	1	2500	1600
STANDARD C/AU-R	19	62	38	134	7.3	72	32	1055	3.98	42	20	7	36	55	18.9	19	23	57	.46	.094	38	61	.89	183	.07	35	1.89	.06	.14	13	510	1600

BCRC 90-246

BCRC 90-247

BCRC 90-248

Avg

BCRC 90-248

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	Hg ppb
027763 DR	4	48	55	268	1.5	34	13	556	4.21	7268	5	2	16	150	2.2	144	2	21	.16	.045	48	15	.06	514	.01	2	.51	.01	.16	3	3790	1300
027764 DR	4	42	58	307	.2	65	22	873	4.77	1116	5	ND	19	102	.4	248	2	30	.77	.053	49	23	.25	702	.01	3	.55	.01	.14	1	210	1100
027765 DR	4	49	47	292	.3	50	19	659	5.02	2484	5	ND	16	99	1.1	257	2	25	.11	.027	47	18	.03	490	.01	3	.55	.01	.14	3	310	1200
027766 DR	3	49	71	507	.2	43	11	110	3.85	1018	5	ND	9	43	.6	196	2	23	.04	.021	30	13	.01	767	.01	3	.42	.01	.12	2	140	580
027767 DR	4	73	32	480	.2	95	24	340	5.68	174	5	ND	4	41	.2	62	2	27	.03	.022	20	35	.03	744	.01	5	.56	.01	.16	2	50	480
027768 DR	3	51	28	205	.2	75	20	256	3.85	69	5	ND	3	34	.2	52	2	19	.02	.018	10	17	.02	637	.01	6	.46	.01	.17	2	38	380
027769 DR	3	42	31	128	.2	43	14	239	2.97	53	5	ND	2	31	.2	51	2	14	.03	.020	5	10	.03	643	.01	5	.42	.01	.15	3	39	400
027770 DR	2	45	20	139	.2	37	13	292	3.19	94	5	ND	3	35	.2	61	2	16	.08	.029	5	5	.05	499	.01	5	.37	.01	.17	1	29	430
027771 DR	3	44	22	121	.2	39	11	246	2.89	68	5	ND	3	38	.2	104	2	13	.07	.018	4	9	.06	503	.01	6	.38	.01	.17	3	29	330
027772 DR	2	45	24	143	.1	53	15	443	3.63	411	5	ND	1	39	.2	81	2	24	.07	.015	4	8	.05	350	.01	6	.35	.01	.16	1	19	380
027773 DR	3	37	29	86	3.4	49	12	304	2.58	772	5	ND	1	178	.2	23609	2	21	.44	.007	3	20	.24	45	.01	4	.33	.01	.10	1	870	630
027774 DR	3	19	26	20	1.4	16	3	33	1.30	135	5	ND	3	29	.2	3398	2	20	.04	.013	6	9	.01	140	.01	9	.24	.01	.12	3	120	500
027775 DR	5	20	16	1	1.3	19	3	41	1.11	371	5	ND	1	21	.2	3697	2	9	.02	.004	3	16	.01	124	.01	7	.18	.01	.09	4	220	480
027776 DR	3	14	12	14	.8	18	3	55	.92	150	5	ND	1	27	.2	2451	3	11	.03	.006	3	12	.01	195	.01	8	.22	.01	.09	2	100	420
027777 DR	14	89	52	496	1.2	74	9	407	2.31	249	5	ND	9	108	4.7	621	2	347	.39	.158	31	37	.09	1102	.01	7	.69	.01	.13	3	280	2000

BCRC 90-249

027778 DR	9	118	28	412	2.3	76	7	202	1.57	135	7	ND	8	277	4.3	238	2	471	1.13	.489	36	72	.03	1324	.01	7	.74	.01	.13	2	220	2300
027779 DR	13	201	10	350	4.4	77	3	84	1.35	99	11	ND	2	276	5.3	167	2	906	2.43	.898	22	111	.06	1019	.01	18	.68	.01	.19	5	52	2600
027780 DR	9	79	40	567	2.5	98	6	249	3.17	110	8	ND	6	195	5.5	260	2	259	1.06	.488	31	41	.02	736	.01	8	.83	.01	.12	1	51	1600
027781 DR	6	14	37	564	.2	62	10	453	3.75	49	5	ND	11	53	3.0	105	2	67	.20	.151	44	12	.01	348	.01	5	.48	.01	.10	1	30	520
027782 DR	8	15	34	676	.2	72	11	542	3.72	105	5	ND	12	56	5.2	192	2	58	.21	.144	43	8	.01	210	.01	2	.56	.01	.11	1	35	430
027783 DR	9	21	40	962	.2	97	11	293	4.70	176	5	ND	13	33	7.1	289	2	80	.33	.193	49	14	.02	139	.01	3	.62	.01	.11	2	62	600
027784 DR	6	20	34	784	.4	64	11	511	4.11	54	5	ND	14	56	1.0	126	2	48	.26	.170	49	9	.02	259	.01	6	.51	.01	.11	1	62	460
027785 DR	5	19	31	688	.2	61	11	694	3.97	42	5	ND	13	49	2.6	114	2	54	.29	.159	48	10	.03	390	.01	3	.54	.01	.11	1	61	500
027786 DR	3	17	37	536	.1	46	9	706	3.63	24	5	ND	13	85	2.0	80	2	46	1.56	.125	41	12	.15	346	.01	3	.61	.01	.12	2	22	900
027787 DR	5	14	28	925	.1	67	12	921	3.94	17	5	ND	11	65	2.2	72	2	48	1.26	.131	42	16	.09	334	.01	2	.56	.01	.12	2	31	780

BCRC 90-250

027788 DR	3	17	32	526	.1	32	9	630	3.40	11	5	ND	10	143	.8	34	2	38	1.53	.114	39	13	.50	257	.01	2	.56	.01	.13	2	10	380
027789 DR	4	24	37	425	.1	33	10	670	3.53	24	5	ND	8	194	1.2	49	2	35	2.17	.109	34	16	.70	297	.01	6	.53	.01	.13	1	19	300
027790 DR	4	31	44	204	.9	25	9	591	2.94	19	5	ND	7	233	1.9	15	2	70	2.36	.171	28	21	.90	333	.01	8	.58	.01	.10	4	6	700
027791 DR	40	183	14	442	3.4	70	1	60	1.16	63	8	ND	2	171	3.8	34	2	1430	1.04	.443	20	113	.09	686	.01	11	.61	.01	.15	4	6	3500
027792 DR	13	167	9	312	4.4	42	3	47	.90	49	10	ND	2	372	7.0	20	2	529	2.29	1.063	21	157	.06	2807	.01	10	.69	.01	.11	1	10	3300
027793 DR	8	111	16	780	3.8	130	8	137	1.84	43	5	ND	3	369	3.5	27	2	121	2.26	.630	19	119	.81	4333	.01	9	.75	.01	.09	2	7	3200
027794 DR	7	82	6	407	2.9	85	7	91	1.07	21	7	ND	2	598	.9	17	2	121	3.81	1.713	18	117	.37	5368	.01	14	.87	.01	.11	2	2	2500
027795 DR	7	90	11	462	2.5	95	8	301	1.77	26	5	ND	1	499	2.8	18	2	118	2.80	1.100	15	95	.37	1072	.01	16	.90	.01	.14	4	2	2200
027796 DR	6	52	39	718	1.4	91	11	436	2.81	855	5	ND	5	128	7.2	1927	4	86	.11	.087	17	17	.01	839	.01	6	.60	.01	.09	1	2620	2600
027797 DR	15	181	13	552	5.1	118	16	141	1.33	89	8	ND	2	1095	12.9	226	2	439	.48	.792	15	133	.01	10147	.01	6	1.43	.01	.05	5	100	7800
027798 DR	10	50	34	983	1.3	108	15	821	3.30	57	5	ND	8	242	5.2	80	3	166	.10	.152	32	27	.03	2555	.01	7	.70	.01	.10	1	50	4200
STANDARD C/AU-R	18	63	38	130	7.4	73	32	1062	4.00	40	19	7	36	53	18.9	14	20	56	.48	.094	37	60	.90	180	.07	33	1.90	.06	.14	12	510	1300

BERC 90-250

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	Hg ppb
027799 DR	5	19	45	585	.3	36	16	1257	4.67	24	5	ND	14	93	.3	39	6	52	.14	.060	44	18	.05	1098	.01	7	.63	.01	.10	1	21	1100
027800 DR	9	13	33	387	.3	34	14	1062	3.96	24	5	ND	12	87	.4	35	2	76	.08	.061	33	23	.04	965	.01	9	.60	.01	.11	2	15	760
027801 DR	12	33	38	498	.5	43	12	469	3.38	62	5	ND	9	164	2.7	38	2	179	.08	.120	25	19	.03	1741	.01	11	.63	.01	.10	1	11	1300
027802 DR	17	88	17	350	3.5	78	9	120	1.50	63	5	ND	5	676	9.9	33	2	506	.26	.506	20	168	.02	7813	.01	11	1.03	.01	.06	1	12	3700
027803 DR	6	55	16	129	3.5	60	7	50	.59	12	5	ND	2	764	6.1	14	2	499	.41	.608	13	85	.03	8824	.01	11	1.06	.01	.08	2	8	4000
027804 DR	20	82	9	163	3.6	64	4	25	.98	23	5	ND	2	566	6.2	21	2	556	.69	.520	15	139	.04	4946	.01	15	.81	.01	.11	2	4	4300
027805 DR	23	99	14	248	3.5	55	4	36	1.38	64	5	ND	2	475	2.7	41	2	639	.70	.517	15	78	.04	4208	.01	21	.84	.01	.15	1	12	2800
027806 DR	19	81	29	469	1.8	78	7	85	2.42	83	5	ND	6	372	5.5	33	2	345	.10	.305	22	95	.02	4336	.01	11	.81	.01	.10	2	7	1700
027807 DR	18	99	14	500	2.5	96	8	67	2.33	37	5	ND	4	344	2.4	31	2	294	.07	.224	12	62	.03	3261	.01	15	.75	.01	.12	1	9	2200
027808 DR	1	46	12	193	.2	38	9	493	2.07	21	5	ND	1	187	6.7	23	2	23	4.71	.020	4	26	2.30	138	.01	15	.42	.01	.14	1	10	300
027809 DR	1	44	5	212	.1	41	8	451	2.25	17	5	ND	2	257	3.8	22	2	20	4.65	.022	5	18	2.29	182	.01	14	.39	.01	.12	1	9	520
027810 DR	5	88	13	483	.4	74	12	318	2.72	21	5	ND	3	78	19.5	23	2	55	1.90	.040	6	30	1.06	393	.01	13	.59	.01	.15	1	7	480
027811 DR	2	61	10	357	.7	54	11	205	2.33	19	5	ND	3	78	2.1	19	4	21	.97	.013	6	23	.62	299	.01	10	.43	.01	.11	1	8	570
027812 DR	1	17	7	174	.1	25	5	664	2.33	14	5	ND	2	223	.9	18	2	16	9.81	.013	4	18	4.10	219	.01	15	.36	.01	.12	1	8	180
027813 DR	1	30	6	168	.1	21	4	652	2.01	13	5	ND	1	208	.9	12	2	12	9.01	.010	4	17	3.80	265	.01	13	.33	.01	.12	1	6	190
027814 DR	6	89	13	404	1.6	73	5	354	1.53	29	5	ND	3	442	2.2	21	2	96	6.99	.946	12	85	2.23	456	.01	30	.98	.01	.21	1	7	2200

BERC 90-251

027815 DR	5	46	39	76	.5	23	6	78	3.39	439	5	ND	5	33	.2	45	2	21	.17	.013	5	9	.06	418	.01	10	.39	.01	.15	1	54	1100
027816 DR	10	38	27	64	.5	19	5	42	2.31	334	5	ND	5	40	.2	56	2	21	.15	.015	5	29	.05	436	.01	10	.47	.01	.19	1	66	1400
027817 DR	5	35	25	37	.8	13	3	33	1.93	366	5	ND	4	46	.2	65	2	24	.12	.010	5	16	.04	770	.01	12	.47	.01	.21	1	490	2200
027818 DR	6	35	32	27	.4	14	3	23	1.67	241	5	ND	3	27	.2	44	2	23	.07	.009	4	36	.04	606	.01	9	.39	.01	.15	1	200	1600
027819 DR	3	20	16	27	.3	7	3	21	1.28	212	5	ND	4	30	.2	46	2	18	.03	.008	5	9	.03	453	.01	10	.47	.01	.19	1	31	1800
027820 DR	6	22	22	43	.2	13	3	14	1.59	202	5	ND	5	22	.2	34	2	14	.02	.006	5	28	.02	258	.01	12	.47	.01	.19	1	13	2000
027821 DR	2	25	29	19	.3	3	2	18	1.06	128	5	ND	6	35	.2	21	3	14	.09	.008	6	7	.05	276	.01	11	.44	.01	.20	2	14	1900
027822 DR	5	33	20	78	.1	19	5	61	2.43	280	5	ND	5	49	.2	23	2	16	.09	.011	6	31	.05	342	.01	12	.46	.01	.28	1	27	1300
027823 DR	3	81	33	65	.3	17	7	71	2.51	273	5	ND	6	34	.2	28	2	13	.10	.008	6	9	.05	274	.01	11	.46	.01	.19	1	10	1500
027824 DR	6	34	21	60	.2	17	6	110	2.49	177	5	ND	5	34	.2	38	2	11	.11	.007	6	22	.05	315	.01	12	.36	.01	.16	1	7	1200
027825 DR	4	26	25	58	.1	14	4	56	1.80	137	5	ND	5	33	.2	18	2	12	.10	.009	6	8	.04	274	.01	10	.32	.01	.15	1	4	1600
027826 DR	3	48	13	49	.3	17	5	52	1.85	154	5	ND	4	23	.2	16	2	11	.07	.007	5	8	.03	169	.01	7	.33	.01	.13	2	65	1300
027827 DR	7	51	18	84	.3	30	7	76	2.14	171	5	ND	4	39	.2	22	2	17	.13	.013	6	45	.06	297	.01	12	.45	.01	.18	1	12	1100
027828 DR	6	45	17	63	.2	29	6	51	2.33	222	5	ND	4	30	.2	16	2	15	.08	.008	4	45	.04	139	.01	9	.41	.01	.17	1	45	1200
027829 DR	6	38	17	96	.2	29	9	89	2.52	174	5	ND	3	30	.2	27	2	13	.12	.006	4	33	.06	113	.01	9	.43	.01	.17	1	47	1800
027830 DR	5	38	27	80	.3	24	8	148	2.80	157	5	ND	5	47	.2	37	3	16	.31	.010	6	13	.13	173	.01	7	.44	.01	.19	1	15	2300
027831 DR	5	35	12	76	.1	23	7	105	2.31	137	5	ND	4	33	.2	26	2	14	.16	.009	5	9	.07	188	.01	9	.45	.01	.18	1	15	1600
027832 DR	8	30	18	58	.1	23	6	70	1.77	167	5	ND	5	36	.2	39	5	12	.13	.009	8	33	.06	218	.01	11	.45	.01	.21	1	36	1700
027833 DR	6	70	26	159	.6	48	20	835	4.13	334	5	ND	10	243	1.5	46	4	65	3.73	.039	24	84	1.34	286	.01	10	.65	.01	.12	2	63	4600

BERC 90-252

027834 DR	12	65	43	440	1.6	80	14	869	3.86	816	5	ND	9	238	6.3	524	2	161	.38	.175	30	53	.15	1642	.01	10	1.03	.01	.14	1	930	2800
STANDARD C/AU-R	18	63	38	131	7.1	73	31	1057	3.98	40	21	7	36	53	19.8	18	19	55	.44	.096	37	59	.90	181	.07	34	1.89	.06	.14	11	510	1400

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	Hg ppb
027835 DR	7	38	54	358	.9	60	14	1188	4.24	749	5	ND	13	64	8.2	262	2	54	.33	.143	45	23	.06	919	.01	12	.63	.01	.15	1	240	1700
027836 DR	5	24	39	330	.6	46	14	1103	4.19	244	5	ND	13	40	4.8	102	2	58	.29	.130	41	31	.10	616	.01	10	.75	.01	.13	1	71	1300
027837 DR	7	22	26	419	.3	40	13	1081	4.22	79	5	ND	12	40	3.0	77	2	61	.25	.129	41	33	.04	569	.01	6	.66	.01	.11	1	38	960
027838 DR	5	20	37	291	.1	30	13	911	4.50	660	5	ND	12	67	1.3	111	2	53	.15	.072	32	32	.03	1180	.01	4	.67	.01	.07	1	240	830
027839 DR	4	21	30	185	.5	24	13	824	4.51	1052	5	ND	12	77	.2	78	2	39	.63	.081	41	24	.04	1149	.01	7	.76	.01	.10	1	380	1300
027840 DR	5	17	40	206	.4	37	12	967	4.08	140	5	ND	12	68	1.6	88	2	47	.20	.114	43	27	.04	931	.01	9	.78	.01	.12	1	51	1100
027841 DR	6	18	31	240	.3	38	12	1004	3.95	141	5	ND	11	59	1.6	111	2	41	.28	.131	44	21	.04	752	.01	6	.71	.01	.13	1	48	1600
027842 DR	12	37	29	219	.7	43	8	645	2.55	108	5	ND	7	159	.8	63	3	154	.57	.239	31	31	.05	1282	.01	14	.87	.01	.15	1	6	2500
027843 DR	14	110	21	208	2.9	47	5	196	1.38	98	5	ND	2	375	2.0	47	2	335	.72	.397	13	67	.05	3221	.01	21	.78	.01	.15	2	22	5200
027844 DR	11	78	7	301	3.0	83	5	428	1.35	81	5	ND	1	418	5.3	51	2	344	1.35	.658	14	96	.04	3202	.01	19	.65	.01	.12	1	10	3300
027845 DR	15	107	50	751	1.9	107	8	270	3.02	393	5	ND	5	251	6.9	77	2	425	.46	.292	24	58	.04	2452	.01	16	.76	.01	.14	3	27	5500
027846 DR	13	29	556	483	9.8	39	8	818	3.28	241	5	ND	9	59	2.5	62	2	51	.12	.077	32	11	.03	600	.01	16	.66	.01	.14	1	27	1800
027847 DR	4	24	59	277	.8	27	9	965	3.64	359	5	ND	10	43	1.2	32	4	38	.09	.037	34	13	.04	684	.01	13	.67	.01	.15	2	20	1600
027848 DR	3	26	66	262	.5	18	9	913	3.95	1053	5	ND	8	44	3.4	47	2	35	.09	.030	32	9	.04	528	.01	14	.64	.01	.13	1	49	1500
027849 DR	15	73	40	558	1.3	82	8	499	3.46	252	5	ND	5	171	2.3	126	2	189	.35	.201	22	31	.04	1883	.01	15	.80	.01	.13	1	8	4300
027850 DR	12	81	13	550	.9	113	10	329	2.70	96	5	ND	5	100	5.0	94	2	144	.20	.089	18	34	.04	1149	.01	16	.53	.01	.13	1	9	2400
027851 DR	11	59	14	650	1.2	118	14	705	4.59	79	5	ND	6	72	6.0	84	2	143	.12	.065	16	39	.06	823	.01	18	.60	.01	.15	1	18	2100
027852 DR	6	50	16	634	.6	95	14	574	3.68	68	5	ND	6	41	5.0	66	2	106	.08	.047	20	35	.06	533	.01	16	.61	.01	.16	1	13	1300
027853 DR	5	63	30	838	.3	101	25	1294	6.87	125	5	ND	20	141	7.7	63	2	216	.16	.164	63	90	.06	2031	.01	6	.93	.01	.04	2	6	2400
027854 DR	4	61	43	609	.4	89	25	1238	7.25	71	5	ND	20	124	4.7	32	2	188	1.05	.168	63	98	.11	1640	.01	10	.99	.01	.04	1	8	2700
027855 DR	5	55	12	759	.4	93	18	1161	5.15	44	5	ND	15	97	3.3	31	3	119	2.12	.140	49	68	.99	555	.02	12	.72	.01	.17	1	3	1800
027856 DR	3	30	18	508	.3	51	9	979	2.49	71	5	ND	8	163	1.0	23	2	33	3.61	.033	26	25	1.72	590	.01	14	.54	.01	.14	1	4	1100
027857 DR	3	23	22	512	.1	38	13	956	3.44	256	5	ND	7	88	1.5	26	2	32	3.15	.028	29	19	.67	496	.01	13	.65	.01	.14	1	17	1200
027858 DR	4	31	13	582	.4	60	10	605	2.60	115	5	ND	5	219	.5	44	2	25	4.33	.017	18	25	2.30	353	.01	18	.47	.01	.16	1	13	1800
027859 DR	7	27	115	604	.9	62	14	1173	4.82	357	5	ND	15	58	5.4	160	2	47	.18	.105	46	19	.04	715	.01	9	.65	.01	.11	1	67	2700
027860 DR	7	20	119	400	1.0	38	13	1197	4.56	192	5	ND	14	59	3.7	111	2	44	.24	.077	43	19	.04	964	.01	13	.72	.01	.12	2	27	3300
027861 DR	6	22	71	327	.7	28	12	1279	4.29	174	5	ND	16	60	3.5	86	2	49	.28	.080	48	20	.04	811	.01	11	.68	.01	.11	3	5	3100
027862 DR	5	19	67	294	.6	29	12	1196	4.13	141	5	ND	14	76	2.3	65	2	57	.83	.091	45	22	.04	966	.01	8	.75	.01	.11	2	8	2800
027863 DR	7	17	56	328	.5	42	14	1271	4.79	243	5	ND	9	49	2.5	114	2	35	.10	.050	34	17	.05	667	.01	14	.68	.01	.13	1	30	3300
027864 DR	7	18	38	350	.3	53	15	1928	4.98	208	5	ND	10	55	2.3	94	2	60	.07	.051	29	29	.04	794	.01	8	.80	.01	.10	1	15	3200
027865 DR	7	23	41	453	.3	57	16	1041	4.46	102	5	ND	14	63	1.3	59	2	60	.11	.084	38	33	.04	865	.01	9	.81	.01	.07	3	3	2000
027866 DR	6	21	42	376	.2	48	14	1720	5.07	114	5	ND	11	51	1.0	57	2	70	.07	.056	31	33	.03	749	.01	4	.72	.01	.06	1	2	2300
027867 DR	5	18	34	201	.2	32	13	1164	4.46	53	5	ND	13	64	.2	37	2	59	.21	.060	37	35	.04	992	.01	8	.82	.01	.08	2	7	1900
027868 DR	5	15	53	293	.4	36	13	1344	4.50	90	5	ND	12	53	1.4	39	2	41	.28	.080	41	23	.04	712	.01	11	.80	.01	.14	1	15	1400
027869 DR	4	15	69	349	.7	37	13	1296	4.31	106	5	ND	10	54	2.0	38	3	39	.33	.056	35	22	.04	692	.01	9	.75	.01	.14	1	23	2000
027870 DR	5	22	89	394	.9	34	12	1193	4.23	187	5	ND	7	50	1.8	36	2	30	.08	.033	26	13	.04	642	.01	11	.78	.01	.15	1	17	2800
STANDARD C/AU-R	18	62	40	134	7.1	73	32	1058	3.97	44	20	7	37	53	19.4	15	18	56	.45	.094	37	60	.90	181	.07	35	1.89	.06	.14	11	540	1500

BCRC 90-252

BCRC 90-253

BERC 90-253

BERC 90-254

BERC 90-255

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	Hg ppb
027871 DR	3	15	45	222	.2	20	9	995	3.34	72	5	ND	10	54	.2	19	2	25	.85	.065	37	9	.06	687	.01	10	.79	.01	.15	2	2	1300
027872 DR	4	6	41	373	.2	43	11	935	3.29	43	5	ND	13	34	.7	144	2	26	.42	.096	42	10	.10	471	.01	7	.90	.01	.15	2	4	1100
027873 DR	2	11	47	213	.3	27	9	786	3.02	19	5	ND	12	37	.2	92	4	19	.89	.095	38	7	.10	507	.01	8	.84	.01	.18	2	2	1050
027874 DR	4	11	44	427	.1	38	10	1327	3.12	44	5	ND	12	33	.3	33	6	15	.32	.096	41	5	.07	378	.01	6	.76	.01	.16	1	2	880
027875 DR	3	24	59	296	.4	23	9	817	3.34	136	5	ND	12	27	.2	19	2	16	.25	.090	38	6	.05	272	.01	8	.62	.01	.15	1	14	700
027876 DR	3	18	41	522	.1	64	12	1034	3.72	136	5	ND	10	58	2.7	32	4	34	.21	.103	39	8	.05	677	.01	11	.80	.01	.15	1	2	860
027877 DR	11	104	32	779	2.2	201	39	874	8.88	482	6	ND	4	145	5.4	76	2	141	.16	.177	24	28	.06	1449	.01	15	.85	.01	.17	2	8	5000
027878 DR	6	77	39	439	3.9	107	13	214	3.23	232	5	ND	2	543	4.4	40	3	191	.96	.601	19	73	.05	3154	.01	18	.95	.01	.16	1	19	4900
027879 DR	5	107	66	692	6.3	115	7	83	2.44	179	5	ND	5	271	8.0	46	5	116	.35	.216	23	112	.02	2243	.01	8	.61	.01	.10	1	1	6200
027880 DR	19	138	17	708	4.4	139	11	96	1.65	92	5	ND	2	579	10.8	36	2	866	.93	.711	12	114	.04	5712	.01	16	.94	.01	.11	1	7	7400
027881 DR	39	95	12	813	1.7	125	5	113	1.48	101	5	ND	2	252	9.1	28	5	429	.73	.397	13	43	.04	1977	.01	16	.55	.01	.12	1	2	7000
027882 DR	11	46	227	670	3.2	69	13	930	4.54	237	5	ND	14	80	4.9	237	4	73	.34	.149	41	21	.07	854	.01	11	.72	.01	.15	2	3	2100
027883 DR	4	20	104	346	1.8	30	11	541	3.95	70	5	ND	14	39	2.5	85	3	20	.27	.113	43	7	.10	1855	.01	6	.75	.01	.16	1	1	930
027884 DR	6	29	128	523	2.1	46	13	798	4.00	117	5	ND	14	51	2.7	107	2	52	.28	.128	45	22	.16	846	.01	5	.92	.01	.15	2	20	1500
027885 DR	3	21	55	394	.8	23	12	757	3.99	62	5	ND	14	38	3.5	88	2	66	.45	.138	43	36	.60	1020	.03	6	1.67	.01	.20	1	1	420
027886 DR	4	22	66	373	1.2	27	10	838	3.44	30	5	ND	13	81	4.2	70	2	62	.47	.172	42	30	.47	1658	.02	6	1.31	.01	.18	1	1	1300
027887 DR	6	50	63	381	1.9	60	7	564	1.73	65	5	ND	3	104	4.6	59	5	58	.16	.112	12	22	.04	1387	.01	8	.43	.01	.09	2	5	580
027888 DR	6	76	43	471	1.6	55	6	467	2.05	94	5	ND	1	65	6.4	52	2	30	1.02	.034	7	14	.62	642	.01	4	.31	.01	.06	1	2	330
027889 DR	5	40	113	338	2.2	51	9	1755	2.74	82	9	ND	6	123	7.4	37	2	58	1.18	.108	24	19	.64	1182	.01	11	.59	.01	.12	2	4	960
027890 DR	2	14	76	432	.6	44	15	1057	3.35	23	5	ND	11	41	2.4	68	6	32	1.00	.115	45	22	.29	773	.01	5	1.07	.01	.18	1	8	730
027891 DR	1	21	40	174	.5	20	11	617	3.68	9	5	ND	12	45	1.3	54	2	59	.70	.111	37	44	.85	680	.01	3	1.83	.01	.18	1	4	200
027892 DR	3	22	64	308	.6	30	13	928	3.78	32	5	ND	11	62	1.6	20	3	55	1.97	.088	36	31	.16	667	.01	5	.77	.01	.10	2	25	1300
027893 DR	2	19	53	251	.4	21	10	779	3.16	40	5	ND	10	65	1.3	7	2	54	3.29	.096	31	29	.20	399	.01	4	.67	.01	.06	1	1	850
027894 DR	2	19	82	428	.6	36	12	1036	3.79	45	5	ND	8	62	3.2	21	2	62	2.11	.045	22	30	.16	529	.01	3	.63	.01	.06	1	1	1600
027895 DR	4	17	61	685	.1	53	16	1281	3.69	45	5	ND	11	67	2.5	25	2	55	.53	.081	41	29	.05	746	.01	4	.76	.01	.10	1	4	1100
027896 DR	3	17	30	341	.1	31	12	910	3.43	31	5	ND	8	96	.2	21	2	35	3.19	.082	40	23	.08	978	.01	6	.74	.01	.11	1	3	880
027897 DR	10	129	33	388	2.7	66	9	632	2.42	50	5	ND	5	357	6.4	22	6	373	2.37	.647	32	74	.10	2489	.01	22	1.13	.01	.21	1	35	2800
027898 DR	55	143	14	454	3.1	117	3	268	1.34	36	5	ND	2	218	12.7	29	5	975	1.08	.247	14	63	.35	2003	.01	27	.81	.01	.22	1	8	3600
027899 DR	35	339	11	553	8.4	193	5	228	1.28	40	9	ND	2	647	16.0	32	2	1130	3.05	1.344	23	229	.13	5512	.01	33	1.28	.01	.22	1	6	7400
027900 DR	21	305	13	318	7.8	142	2	118	1.04	29	7	ND	2	374	10.2	17	2	731	3.35	1.230	21	216	.11	1477	.01	32	.93	.01	.23	1	12	7700
027901 DR	3	24	47	185	.2	23	12	1023	4.04	1072	5	ND	13	76	.2	69	2	65	.07	.047	30	27	.04	1183	.01	3	.65	.01	.06	2	1550	4000
027902 DR	2	23	46	201	.3	25	12	1094	3.26	1339	5	2	13	90	.2	78	5	62	.06	.046	28	24	.02	1048	.01	4	.62	.01	.06	2	2560	4300
027903 DR	2	24	57	184	.6	22	12	1146	4.02	2167	5	4	14	98	.3	2401	2	67	.12	.052	32	23	.02	1178	.01	7	.62	.01	.07	2	4850	3400
027904 DR	2	23	44	160	1.1	20	11	1129	3.77	2933	5	8	15	89	.2	1415	2	53	.11	.044	38	20	.02	1066	.01	7	.59	.01	.08	2	7760	3500
027905 DR	1	27	56	213	1.9	27	13	1036	4.09	3875	5	11	15	80	.2	324	2	60	.13	.034	36	22	.02	954	.01	4	.60	.01	.07	1	11350	5600
027906 DR	1	18	49	134	.9	19	11	1082	3.58	3184	5	8	14	73	.2	85	3	60	.10	.033	34	25	.02	824	.01	6	.61	.01	.05	2	8120	4500
STANDARD C/AU-R	19	60	38	132	7.3	71	32	1058	3.98	42	23	7	37	53	19.5	14	21	55	.45	.100	37	60	.90	180	.07	35	1.89	.06	.14	13	510	1600

SAMPLE #	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	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	Hg ppb
027907 DR	2	20	41	140	.6	19	11	922	3.31	2197	5	7	14	73	.2	72	2	63	.08	.034	31	24	.02	752	.01	5	.61	.01	.04	3	6980	3600
027908 DR	2	23	50	160	.4	22	12	1068	3.99	2266	5	5	13	77	.2	100	4	68	.13	.036	30	27	.02	821	.01	5	.64	.01	.04	3	5440	3200
027909 DR	3	23	46	210	.5	28	13	1051	4.34	1938	5	5	13	66	.4	114	2	64	.10	.034	28	25	.03	723	.01	2	.61	.01	.04	3	5220	3500
027910 DR	3	21	30	147	.7	23	12	1157	4.61	2130	5	6	14	64	.2	203	2	64	.28	.030	32	24	.03	669	.01	6	.60	.01	.06	3	5300	3300
027911 DR	4	23	25	138	1.6	28	9	1223	3.45	3693	5	15	9	119	.2	138	5	95	.25	.097	30	19	.02	1401	.01	7	.59	.01	.06	2	14180	3000
027912 DR	14	66	24	337	1.6	75	6	273	1.81	627	5	ND	1	426	3.4	128	4	434	.70	.448	10	54	.03	3720	.01	18	.79	.01	.10	1	480	4800
027913 DR	15	66	39	364	1.1	72	11	402	3.43	444	5	ND	12	187	3.3	105	2	176	.23	.157	40	32	.04	1972	.01	9	.77	.01	.12	1	200	2900
027914 DR	5	39	45	248	.2	41	15	901	4.35	176	5	ND	23	94	1.5	40	2	30	1.64	.119	70	20	.05	837	.01	5	.72	.01	.12	2	150	1700
027915 DR	4	37	46	197	.4	38	15	1017	4.82	126	5	ND	23	98	.7	32	4	26	1.25	.114	70	17	.05	858	.01	10	.69	.01	.12	3	150	1300
027916 DR	3	37	25	140	.1	29	10	792	4.00	84	5	ND	18	170	1.0	16	3	25	3.79	.097	44	15	.23	992	.01	10	.65	.01	.12	1	27	1400
027917 DR	5	36	36	220	.2	40	12	763	3.81	99	5	ND	23	84	.9	27	2	24	2.38	.121	67	17	.08	532	.01	8	.59	.01	.13	1	28	1800
027918 DR	5	34	28	237	.1	38	12	768	3.69	110	5	ND	22	119	1.5	26	2	23	2.10	.119	63	17	.21	318	.01	4	.49	.01	.16	1	78	2500
027919 DR	8	41	33	264	.2	48	16	954	4.58	147	5	ND	23	78	1.0	38	2	25	.97	.128	71	19	.06	1039	.01	9	.55	.01	.16	3	21	1600
027920 DR	3	23	46	170	.3	18	11	545	3.37	62	5	ND	15	96	.8	48	3	35	2.16	.114	45	22	.34	2065	.01	6	1.35	.01	.18	2	21	590
027921 DR	2	17	38	112	.2	12	9	581	3.06	48	5	ND	14	87	.4	24	2	48	2.76	.103	40	20	.28	818	.02	4	1.04	.01	.15	2	1	470
027922 DR	2	15	14	111	.1	11	9	595	2.82	45	5	ND	15	67	.2	20	2	52	1.39	.104	43	21	.15	438	.01	3	.84	.01	.14	1	19	780
027923 DR	4	17	23	142	.1	20	11	663	3.40	56	5	ND	17	75	.2	21	3	59	1.33	.107	49	25	.16	545	.01	5	.71	.01	.09	1	1	1800
027924 DR	4	21	33	151	.2	18	11	738	3.42	68	5	ND	18	72	.4	33	2	52	1.57	.123	48	26	.20	605	.01	5	.94	.01	.14	2	24	1100
027925 DR	3	16	27	143	.2	21	9	607	3.26	38	5	ND	15	65	.2	27	2	45	1.45	.113	49	21	.19	382	.01	3	.87	.01	.12	1	10	460
027926 DR	3	40	4	134	.7	26	6	295	1.79	12	5	ND	1	337	.5	24	2	15	5.75	.018	3	7	2.75	143	.01	10	.32	.01	.14	1	6	480
027927 DR	10	51	43	746	.7	80	17	2546	3.19	211	12	ND	8	82	12.4	64	2	127	.80	.070	24	30	.53	2064	.08	3	1.46	.01	.12	2	13	2100
027928 DR	1	18	12	121	.2	21	11	689	3.46	234	5	ND	15	57	1.2	46	2	91	.53	.109	45	43	1.08	2464	.12	2	2.41	.02	.25	2	26	130
027929 DR	3	21	21	157	.1	23	12	1056	3.40	406	5	ND	17	42	.2	88	2	79	.43	.113	51	33	.41	2033	.04	5	1.28	.01	.10	2	33	720
027930 DR	3	18	22	113	.1	12	9	487	2.20	393	5	ND	18	41	.7	45	2	65	.42	.130	54	24	.10	1627	.01	2	.72	.01	.08	3	41	1100
027931 DR	9	46	14	125	.7	33	6	249	2.66	540	5	ND	7	262	.3	47	2	139	.21	.118	22	25	.09	1967	.01	10	.85	.01	.17	1	440	1800
027932 DR	11	21	17	18	.3	8	2	84	2.19	101	5	ND	7	75	.2	20	2	121	.08	.034	22	22	.04	449	.01	12	.51	.01	.22	1	7	1400
027933 DR	9	32	21	53	.3	13	2	92	1.68	168	5	ND	6	114	.2	22	3	108	.08	.025	27	18	.04	455	.01	8	.67	.01	.18	1	13	1050
027934 DR	5	27	31	361	.1	63	14	594	4.06	571	5	ND	12	151	3.0	50	2	52	.09	.073	29	18	.03	1565	.01	4	.76	.01	.09	1	220	3300
027935 DR	7	17	24	312	.1	46	13	883	3.76	530	5	ND	14	58	.2	53	2	43	.10	.034	32	19	.03	1739	.01	6	.61	.01	.08	1	39	2200
027936 DR	4	18	21	192	.3	29	12	923	3.42	589	5	ND	18	56	.2	61	2	47	.90	.092	44	21	.05	1593	.01	5	.64	.01	.09	2	52	1700
027937 DR	4	17	20	231	.2	52	15	1112	3.98	728	5	ND	18	40	.2	79	2	56	.41	.125	52	22	.19	1506	.02	5	1.06	.01	.15	2	47	1200
027938 DR	6	15	30	291	.1	52	12	799	3.19	691	5	ND	20	59	.2	128	3	63	.33	.126	58	26	.04	1429	.01	2	.71	.01	.07	1	80	1300
027939 DR	8	28	38	357	.6	77	18	795	3.25	866	5	ND	12	123	.6	252	4	56	.30	.054	32	22	.04	1550	.01	4	.77	.01	.07	3	1070	2800
027940 DR	7	26	36	492	.7	66	15	1303	3.75	999	5	ND	10	92	1.3	181	2	34	.10	.060	29	17	.04	1802	.01	6	.62	.01	.08	2	520	4500
027941 DR	7	28	33	365	1.0	69	13	985	4.24	1299	5	ND	8	80	.3	156	2	35	.09	.058	28	12	.04	1663	.01	5	.63	.01	.09	2	930	3000
027942 DR	5	56	21	426	1.2	88	12	442	4.33	1718	5	ND	9	121	2.2	93	2	47	.12	.074	26	15	.04	1262	.01	7	.73	.01	.10	1	1220	3200
STANDARD C/AU-R	18	61	39	132	7.2	72	32	1057	3.98	43	22	7	36	52	19.4	14	22	55	.44	.097	37	60	.90	181	.07	35	1.89	.06	.14	12	510	1400

BCRC 90-255

BCRC 90-242

BCRC 90-256

BCRC 90-256

BCRC 90-257

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		Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm		Hg ppb
027943 DR	7	55	29	491	1.7	87	15	818	4.28	1011	5	ND	11	278	1.8	57	2	66	.20	.139	35	18	.05	1361	.01	11	.79	.01	.15	2	320	3200
027944 DR	6	18	32	801	.6	96	13	1093	3.62	1492	5	ND	13	76	3.8	86	2	31	.21	.123	38	12	.04	1420	.01	7	.65	.01	.11	1	820	4200
027945 DR	4	21	30	509	.7	66	14	1554	4.04	1451	5	ND	13	79	3.0	23	2	24	.22	.125	39	11	.04	1404	.01	9	.66	.01	.11	2	1780	2700
027946 DR	8	32	29	200	1.5	41	4	155	2.94	355	5	ND	8	375	1.5	25	2	144	.18	.220	26	24	.06	1354	.01	9	.71	.01	.12	1	820	3600
027947 DR	11	72	21	165	3.0	32	3	152	1.95	446	5	ND	2	702	4.0	29	3	388	.66	.534	11	50	.05	3074	.01	12	.81	.01	.10	2	84	5700
027948 DR	3	18	43	292	.6	31	8	668	3.24	939	5	ND	10	152	2.0	22	2	23	1.70	.103	24	7	.37	334	.01	7	.58	.01	.12	2	380	2800
027949 DR	5	21	34	254	.5	28	8	951	3.02	995	5	ND	8	175	2.3	22	2	54	1.75	.105	25	9	.43	678	.01	12	.78	.01	.12	1	410	2900
027950 DR	5	37	822	885	3.2	21	8	685	3.86	1624	5	ND	11	126	8.7	114	2	29	.21	.116	32	7	.05	694	.01	8	.58	.01	.11	2	120	2800
027951 DR	8	56	88	248	2.4	19	5	158	2.96	319	5	ND	10	484	2.3	39	2	361	1.13	.613	35	46	.06	1564	.01	13	1.10	.01	.20	2	140	3000
027952 DR	9	56	60	299	.9	33	5	104	2.04	125	5	ND	5	255	2.4	36	2	279	.15	.154	19	20	.03	1941	.01	10	.60	.01	.10	2	120	2200
027953 DR	5	106	52	330	.9	54	8	178	.84	55	5	ND	1	667	3.6	29	3	585	1.86	.947	12	72	.05	4652	.01	21	1.00	.01	.15	3	59	3300
027954 DR	4	97	19	263	.7	51	6	160	.67	42	5	ND	1	876	4.4	25	2	407	3.26	1.418	11	69	.05	3827	.01	20	1.04	.01	.18	2	43	3900
027955 DR	8	252	37	615	3.6	48	6	469	1.11	57	12	ND	2	978	30.8	44	2	1447	5.11	1.969	19	144	.13	2627	.01	36	1.69	.01	.42	1	29	14000
027956 DR	2	28	28	130	.3	15	11	614	3.39	55	5	ND	14	120	1.1	20	2	112	.76	.157	36	45	1.24	2199	.24	6	1.89	.06	.53	1	67	400
027957 DR	3	23	29	119	.2	15	10	606	2.95	229	5	ND	17	86	.2	120	6	75	.40	.106	44	29	.42	1874	.08	5	1.21	.02	.20	2	21	2200
027958 DR	3	18	35	145	1.0	20	10	1266	4.11	1789	5	7	14	79	.3	923	3	57	.09	.041	40	23	.03	1361	.01	8	.54	.01	.06	3	6990	3400
027959 DR	3	22	60	175	.2	23	12	883	3.99	385	5	ND	21	57	.2	448	2	80	.28	.129	60	33	.03	981	.01	8	.65	.01	.05	2	250	5100
027960 DR	5	18	87	278	.4	29	11	948	3.20	600	5	ND	20	81	.2	294	2	55	.18	.099	53	23	.03	1290	.01	5	.65	.01	.07	1	390	4600
027961 DR	6	21	86	298	1.4	29	12	1648	5.75	2793	5	19	16	83	1.1	510	2	60	.15	.062	44	16	.04	1771	.01	7	.54	.01	.10	2	21100	5400
027962 DR	6	20	37	232	.5	35	12	1132	4.38	1298	5	5	14	128	.5	263	2	52	.11	.086	40	18	.04	1698	.01	8	.65	.01	.07	2	5070	3600
027963 DR	7	60	44	257	.8	42	9	541	2.68	396	5	ND	9	389	1.0	106	2	246	.22	.211	32	37	.04	2919	.01	16	.85	.01	.14	1	620	4000
027964 DR	8	55	27	531	.5	92	13	165	4.64	183	5	ND	14	159	1.4	55	4	81	.15	.104	55	25	.04	884	.01	9	.68	.01	.21	1	520	2900
027965 DR	10	12	18	17	.5	9	2	28	1.44	35	5	ND	6	47	.2	15	2	58	.07	.015	26	11	.03	580	.01	14	.45	.01	.20	1	53	1300
027966 DR	9	29	39	133	.5	18	3	26	2.50	95	5	ND	7	131	.2	22	2	65	.07	.039	29	11	.02	654	.01	11	.41	.01	.18	1	67	660
027967 DR	5	27	16	376	.2	57	11	301	3.53	182	5	ND	11	82	1.3	31	2	60	.25	.081	36	23	.37	1159	.01	11	1.27	.01	.21	1	61	460
027968 DR	2	20	23	184	.1	23	12	643	3.59	57	5	ND	16	61	1.1	20	2	63	.77	.127	45	38	.87	817	.01	6	1.64	.02	.15	2	29	150
027969 DR	1	15	23	132	.2	15	10	658	3.60	36	5	ND	16	59	1.6	31	2	69	.47	.130	45	39	.93	1874	.01	2	2.03	.02	.13	2	77	60
027970 DR	1	16	14	105	.2	12	11	557	3.50	30	5	ND	16	70	.9	22	2	77	.51	.119	46	38	.96	2639	.07	2	2.13	.02	.30	1	58	90
027971 DR	2	17	15	106	.1	12	9	452	2.89	58	5	ND	17	40	.2	22	2	68	1.28	.127	57	29	.44	891	.05	6	1.40	.01	.28	1	12	190
027972 DR	1	16	20	99	.1	11	10	719	3.54	32	5	ND	18	78	.6	22	2	73	2.36	.110	52	32	.68	1411	.12	2	1.67	.03	.44	1	68	200
027973 DR	2	18	23	137	.3	20	12	766	3.83	85	5	ND	20	71	.7	27	2	70	1.72	.131	59	26	.25	693	.02	3	1.13	.01	.14	2	81	1200
027974 DR	2	17	31	241	.4	35	13	651	3.75	83	5	ND	17	100	1.5	43	2	53	3.13	.116	40	25	.37	788	.01	2	1.40	.01	.11	1	67	500
027975 DR	2	21	21	295	.2	43	13	652	3.69	130	5	ND	17	50	.8	29	2	44	1.76	.124	45	24	.29	413	.01	5	1.18	.01	.13	2	64	800
027976 DR	3	20	23	187	.2	21	10	691	3.44	83	5	ND	15	125	.2	15	2	20	3.84	.108	35	11	.36	1289	.01	6	.61	.01	.15	1	140	1600
027977 DR	5	18	27	466	.2	46	12	671	3.94	257	5	ND	18	52	.8	41	2	24	1.30	.122	48	13	.06	463	.01	5	.61	.01	.13	1	18	3300
027978 DR	4	17	22	325	.2	31	10	792	3.49	126	5	ND	16	77	.2	23	2	41	2.47	.093	40	19	.06	644	.01	7	.68	.01	.09	1	45	1200
STANDARD C/AU-R	18	60	38	132	7.2	73	31	1057	3.98	41	18	7	36	53	20.0	15	19	55	.44	.096	37	60	.90	181	.07	33	1.89	.06	.14	11	530	1300

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	Hg ppb
027979 DR	5	23	30	316	.2	34	10	741	3.38	282	8	ND	14	95	.8	23	2	41	1.95	.069	32	18	.05	857	.01	7	.52	.01	.06	1	120	2400
027980 DR	5	19	46	430	.3	37	10	829	3.40	239	11	ND	17	87	.6	30	5	41	1.47	.107	40	20	.04	727	.01	10	.54	.01	.06	2	120	2300
027981 DR	2	16	14	258	.1	26	12	601	3.37	215	5	ND	16	97	.2	31	3	53	2.86	.116	45	27	.54	1235	.03	6	1.48	.01	.19	1	39	500
027982 DR	3	17	25	392	.1	40	12	706	3.46	245	5	ND	17	84	.4	31	2	57	2.04	.123	44	30	.47	978	.01	5	1.35	.01	.11	1	47	1100
027983 DR	5	18	24	306	.1	29	10	951	3.50	119	5	ND	16	80	.2	23	2	44	2.14	.110	40	23	.18	510	.01	6	.54	.01	.06	1	17	780

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GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJ: 9011-004 File # 90-5603 Page 1

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5

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	HG ppb
021501 DR	7	29	38	464	.8	73	5	964	1.37	98	5	ND	1	89	7.7	19	2	75	.11	.032	2	10	.02	2022	.01	2	.42	.02	.02	1	12	3200
021502 DR	16	49	107	1428	2.1	145	10	4529	2.97	175	5	ND	1	81	28.8	38	2	147	.43	.061	5	34	.83	2203	.01	2	.66	.01	.02	1	14	6500
027984 DR	2	29	30	160	.4	33	14	949	4.31	452	5	ND	22	76	.2	51	2	29	.93	.109	65	21	.06	1711	.01	3	.60	.01	.14	1	9	1400
027985 DR	2	22	41	152	.6	23	11	1058	3.83	1377	5	ND	16	95	.2	51	2	45	.73	.047	43	20	.04	1332	.01	2	.61	.01	.08	1	820	2800
027986 DR	2	20	30	142	.1	17	12	888	4.01	299	5	ND	17	88	.2	31	2	66	.30	.075	47	25	.03	2162	.01	2	.69	.01	.05	1	17	2600
027987 DR	2	18	40	146	.3	15	10	841	4.10	105	5	ND	16	53	.2	17	2	64	.74	.101	50	31	.12	1369	.01	4	.66	.01	.08	1	12	2500
027988 DR	2	22	40	164	.3	17	10	864	3.20	136	5	ND	16	55	.4	20	2	49	1.70	.114	54	19	.06	585	.01	2	.67	.01	.09	1	17	1700
027989 DR	1	18	30	141	.3	14	8	805	3.60	739	5	ND	14	69	.4	21	2	40	1.32	.096	48	14	.05	748	.01	2	.57	.01	.09	1	410	1500
027990 DR	3	28	35	211	.3	25	11	761	4.46	921	5	ND	14	84	.8	49	2	51	.18	.066	55	15	.05	985	.01	2	.68	.01	.12	1	41	2800
027991 DR	3	26	32	280	.4	38	12	509	4.11	1131	5	ND	13	68	1.5	95	2	29	.23	.087	54	13	.04	685	.01	6	.69	.01	.12	1	42	2500
027992 DR	8	54	27	343	.4	64	7	101	3.09	454	5	ND	6	352	2.3	75	2	167	.37	.215	30	22	.04	1589	.01	7	.81	.01	.15	1	38	2300
027993 DR	3	46	34	293	.4	66	15	533	4.60	321	5	ND	23	61	2.0	36	9	33	.34	.135	79	19	.05	539	.01	5	.61	.01	.15	1	23	2100
027994 DR	3	39	24	209	.2	42	13	517	4.65	154	5	ND	26	57	.9	28	2	37	.95	.134	77	25	.15	720	.01	3	.88	.01	.19	1	27	480
027995 DR	3	44	27	157	.3	33	12	693	3.93	64	5	ND	24	181	.7	16	2	30	3.13	.119	63	27	.59	778	.01	2	.59	.01	.17	1	5	300
027996 DR	3	35	32	110	.2	27	12	774	4.20	53	5	ND	25	109	.5	23	2	26	2.65	.125	67	19	.26	641	.01	2	.64	.01	.16	1	1	180
027997 DR	6	41	29	289	.3	62	15	728	4.19	182	5	ND	22	85	1.3	20	2	32	.35	.123	71	16	.06	619	.01	5	.57	.01	.16	1	4	1300
027998 DR	9	36	30	276	.5	62	10	433	3.15	111	5	ND	10	138	1.5	24	2	60	.62	.166	37	16	.09	2128	.01	5	.73	.01	.18	1	6	1100
027999 DR	12	40	21	165	.4	59	6	236	2.07	110	5	ND	6	175	1.0	17	2	75	.44	.246	22	32	.03	1438	.01	9	.56	.01	.14	1	2	650
028000 DR	3	22	21	160	.2	27	10	632	3.36	202	5	ND	15	65	.9	22	2	41	1.55	.129	45	17	.11	818	.01	2	.76	.01	.14	1	2	830
028001 DR	2	18	14	123	.3	20	9	585	2.94	59	5	ND	15	89	.5	23	2	57	2.36	.117	51	26	.37	942	.01	2	1.12	.01	.14	1	3	460
028002 DR	1	17	10	93	.2	16	9	548	3.27	32	5	ND	14	116	.2	16	2	75	1.96	.101	43	40	1.11	1142	.08	2	1.84	.03	.31	1	1	150
028003 DR	2	18	24	101	.3	15	10	549	3.16	26	5	ND	13	94	.8	13	2	89	1.51	.099	35	47	1.24	2075	.25	4	1.81	.06	.63	4	5	100
028004 DR	1	16	30	97	.3	14	9	572	3.12	25	5	ND	13	92	.7	21	2	89	1.79	.097	37	46	1.27	2442	.22	2	1.87	.05	.60	1	5	120
028005 DR	1	12	47	138	.2	11	8	609	3.07	31	5	ND	13	130	.6	26	2	77	2.81	.101	42	43	1.26	1723	.10	2	1.92	.03	.35	1	2	90
028006 DR	1	16	24	94	.3	13	9	549	3.20	28	5	ND	13	101	.8	23	2	89	1.60	.093	37	45	1.28	2380	.23	2	2.02	.05	.62	1	5	110
028007 DR	1	16	24	96	.2	12	9	600	3.07	23	5	ND	12	96	1.0	37	2	88	2.23	.097	36	47	1.25	2663	.26	3	1.99	.05	.60	1	5	90
028008 DR	2	17	26	204	.9	21	8	881	3.76	1450	5	ND	13	69	1.1	27	2	26	1.62	.038	35	12	.07	970	.01	7	.49	.01	.11	1	1550	3700
028009 DR	3	16	25	292	.5	27	10	1558	4.11	1265	5	ND	11	57	.4	35	2	22	1.27	.044	37	6	.04	915	.01	5	.41	.01	.10	1	950	2300
028010 DR	3	18	37	588	.2	37	11	1509	4.12	2232	5	2	13	63	.6	60	2	36	.28	.059	36	12	.03	949	.01	2	.49	.01	.08	1	2320	5400
028011 DR	8	53	19	498	1.5	47	7	349	1.78	1021	5	ND	6	347	5.2	48	2	226	.35	.215	20	42	.04	2325	.01	7	.74	.01	.09	1	1540	4800
028012 DR	20	80	11	193	1.4	24	2	63	.74	109	5	ND	1	393	4.0	21	2	501	.60	.285	11	42	.05	1135	.01	14	.67	.01	.14	1	29	8200
028013 DR	5	53	20	63	1.9	16	1	44	.68	55	5	ND	1	310	2.9	8	2	424	.84	.379	14	37	.04	986	.01	22	.66	.01	.17	1	12	9300
028014 DR	4	58	15	97	2.2	24	2	211	.62	67	5	ND	1	311	5.6	10	2	391	.88	.409	13	40	.05	1114	.01	24	.70	.01	.18	1	22	12400
028015 DR	13	78	19	216	2.5	54	3	942	.80	112	5	ND	1	362	9.2	21	2	350	.28	.192	12	53	.04	2050	.01	12	.65	.01	.13	1	67	9600
028016 DR	13	80	29	105	1.5	40	4	457	.61	109	5	ND	1	449	5.0	20	2	600	.21	.221	11	45	.03	3516	.02	11	.73	.01	.09	2	28	8700
028017 DR	16	70	16	70	1.0	28	3	232	.89	92	5	ND	1	102	2.8	19	2	623	.08	.046	8	38	.02	2151	.07	5	.35	.01	.04	1	42	8200
STANDARD C/AU-R	18	58	39	131	7.1	73	31	1051	3.95	42	15	7	38	52	18.4	15	22	57	.45	.098	39	60	.89	187	.07	31	1.89	.06	.13	11	510	1400

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: CUTTING AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: OCT 29 1990 DATE REPORT MAILED: Nov 5/90. SIGNED BY. D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

BCRC 90-259

BCRC 90-260

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	HG ppb
028018 DR	13	43	42	21	1.0	20	3	167	.91	52	5	ND	1	78	2.2	15	2	609	.06	.035	4	46	.01	2874	.10	4	.36	.01	.02	1	21	7300
028019 DR	9	19	42	19	.6	11	2	107	.67	46	5	ND	1	124	1.3	12	2	264	.02	.027	2	27	.01	2506	.05	2	.19	.01	.01	1	18	3500
028020 DR	14	44	42	137	.4	38	5	130	1.94	77	5	ND	1	131	2.3	33	2	300	.03	.042	4	30	.01	2352	.03	2	.28	.01	.02	1	16	4300
028021 DR	11	17	23	240	.5	42	4	82	1.57	79	5	ND	1	108	1.7	26	2	189	.02	.023	3	22	.01	2159	.01	2	.21	.01	.02	1	9	4700
028022 DR	2	4	5	13	.1	3	2	12	.23	30	5	ND	1	143	.2	8	2	40	.01	.005	2	4	.01	2259	.01	2	.02	.01	.01	1	6	880
028023 DR	8	52	23	368	.8	61	7	2647	1.26	78	5	ND	1	101	11.9	17	2	130	.04	.025	2	27	.01	2512	.01	2	.70	.01	.01	1	21	2600
028024 DR	12	45	26	328	.6	38	6	872	1.81	74	5	ND	4	63	5.2	15	2	115	.05	.028	24	22	.04	2501	.01	7	.62	.01	.15	1	24	3100
028025 DR	10	27	16	157	.5	20	5	683	1.21	25	5	ND	5	73	3.6	10	2	64	.09	.025	26	16	.04	2348	.01	10	.55	.01	.15	1	16	1500
028026 DR	12	72	46	1387	1.2	131	18	3794	2.08	80	5	ND	1	70	22.1	22	3	167	.17	.027	4	17	.02	2361	.01	2	1.44	.01	.02	1	32	4600
028027 DR	15	33	25	797	1.0	68	11	1632	2.63	223	5	ND	4	43	10.2	19	2	100	.10	.019	26	15	.04	1319	.01	12	.77	.01	.17	1	34	1800
028028 DR	16	44	33	793	.8	90	22	2896	2.32	205	5	ND	3	67	15.3	18	3	83	.44	.021	17	14	.12	2153	.01	6	.80	.01	.11	1	46	1500
028029 DR	9	22	23	181	.3	17	5	334	1.50	82	5	ND	1	148	1.8	9	3	106	.06	.012	8	15	.02	2294	.01	2	.29	.01	.04	1	19	550
028030 DR	4	18	20	336	.3	28	7	913	.94	32	5	ND	1	141	4.5	9	2	64	.94	.011	3	12	.29	2169	.01	2	.22	.01	.02	1	7	400
028031 DR	5	37	58	563	.4	38	13	1912	2.00	79	5	ND	5	277	4.1	15	3	86	5.64	.078	24	41	1.21	2087	.01	2	.62	.01	.03	1	13	1700
028032 DR	6	19	13	523	.5	28	5	3261	4.64	99	5	ND	1	213	4.8	13	2	83	15.08	.023	8	16	2.47	932	.01	2	.31	.01	.04	1	8	360
028033 DR	5	43	8	218	.5	46	8	340	1.32	53	5	ND	7	100	2.2	9	2	29	1.86	.029	18	18	.10	1966	.01	4	.61	.01	.12	1	13	1300
028034 DR	8	53	10	363	.6	80	17	411	2.45	32	5	ND	7	121	3.8	8	3	43	4.46	.020	20	24	.07	173	.01	4	.52	.01	.13	1	9	1100
028035 DR	11	58	13	224	.7	69	15	372	2.55	35	5	ND	6	68	2.2	9	2	49	2.71	.017	25	30	.33	63	.01	2	.46	.01	.12	1	11	300
028036 DR	11	47	31	717	.8	108	13	563	2.81	58	5	ND	14	67	9.4	12	2	128	.28	.100	45	48	.08	2316	.02	3	.65	.01	.10	1	12	610
028037 DR	15	34	76	132	1.4	23	4	84	1.29	55	5	ND	3	48	2.1	19	4	316	.03	.048	12	40	.01	2137	.08	2	.34	.01	.02	1	14	1800
028038 DR	17	53	38	333	2.1	36	9	382	2.59	75	5	ND	7	51	4.5	23	2	159	.07	.062	24	22	.02	1425	.02	4	.41	.01	.05	1	19	1200
028039 DR	15	58	41	612	1.7	83	15	1076	2.67	316	5	ND	13	87	14.1	22	2	115	.08	.079	43	20	.02	1227	.01	2	.50	.01	.07	2	40	1300
028040 DR	8	54	42	1332	.5	117	20	1444	4.25	217	5	ND	23	70	21.8	12	2	30	.59	.137	73	24	.04	1432	.01	6	.63	.01	.13	1	11	1400
028041 DR	7	68	45	1276	.6	140	16	1126	4.20	3316	5	ND	17	131	30.3	25	2	28	.46	.082	46	15	.07	1198	.01	3	.74	.01	.10	1	1860	1600
028042 DR	4	36	42	861	.4	82	15	1214	4.16	851	5	ND	19	256	10.0	15	2	20	2.75	.107	50	18	.47	637	.01	3	.53	.01	.12	1	110	1200
028043 DR	8	63	51	1606	.6	158	15	1031	4.40	968	5	ND	20	124	26.0	25	2	29	1.21	.126	60	19	.19	653	.01	5	.71	.01	.11	1	240	1400
028044 DR	11	73	32	1082	.5	134	11	527	2.92	381	5	ND	8	156	24.3	22	2	50	.56	.288	35	24	.04	728	.01	5	.90	.01	.14	1	110	1600
028045 DR	5	34	28	1119	.4	86	11	692	3.03	76	5	ND	9	67	23.0	12	3	15	.53	.103	27	5	.11	361	.01	3	.63	.01	.11	1	22	460
028046 DR	7	29	22	1795	.4	136	18	884	3.40	161	5	ND	9	49	24.9	13	2	13	.43	.116	27	5	.10	286	.01	3	.60	.01	.13	1	58	780
028047 DR	8	100	28	1280	.6	142	8	473	3.17	68	6	ND	10	81	21.3	19	3	19	.19	.133	35	5	.03	366	.01	6	.67	.01	.15	1	6	810
028048 DR	9	107	13	797	.5	127	4	132	2.26	111	5	ND	5	192	14.1	24	2	77	.45	.248	23	26	.03	458	.01	6	.60	.01	.13	1	22	930
028049 DR	18	202	12	1031	1.4	169	7	292	2.57	295	13	ND	5	465	24.0	51	2	884	2.27	1.124	24	71	.04	2150	.01	15	1.06	.01	.21	1	120	3000
028050 DR	13	92	4	358	1.0	49	3	50	1.05	147	7	ND	2	314	15.6	48	2	1142	1.92	.864	18	88	.05	1632	.02	11	.86	.01	.23	1	36	2800
028051 DR	20	195	7	1075	.6	174	5	245	1.79	247	11	ND	2	249	28.5	54	2	1177	.58	.350	17	61	.05	1819	.02	8	.77	.01	.19	3	47	2100
028052 DR	15	108	5	811	.9	132	4	83	1.50	212	6	ND	1	250	26.0	43	2	1329	.84	.479	14	85	.05	2343	.04	10	.80	.01	.20	1	29	1800
028053 DR	16	132	7	715	1.2	139	6	200	1.28	291	10	ND	2	599	28.6	32	2	1331	3.31	1.675	18	107	.05	3849	.05	12	1.19	.01	.21	2	52	1600
STANDARD C\AU-R	18	57	36	132	7.1	72	31	1054	3.97	42	18	7	37	52	18.4	16	20	57	.46	.098	38	60	.90	183	.07	33	1.90	.06	.13	13	520	1600

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	Hg ppb
028054 DR	30	138	17	607	2.2	133	6	186	1.40	304	5	ND	8	323	23.1	49	2	2216	.94	.558	15	112	.05	2777	.06	11	1.00	.01	.22	5	37	2900
028055 DR	13	121	27	532	3.1	147	6	533	1.61	192	5	ND	10	258	20.6	55	2	1545	.37	.270	14	81	.06	2686	.07	9	.92	.01	.18	4	66	1400
028056 DR	13	76	19	325	2.4	78	4	180	1.31	161	5	ND	9	297	15.8	36	2	1737	.74	.422	14	96	.06	2464	.06	10	.88	.01	.18	3	60	2300
028057 DR	17	83	36	348	2.6	59	4	144	1.24	240	9	ND	7	291	19.0	30	2	1131	.76	.445	15	98	.05	2503	.03	11	.77	.01	.16	4	110	5600
028058 DR	16	103	31	1299	2.1	169	9	383	2.08	378	6	ND	13	219	50.1	36	4	1306	1.16	.280	26	145	.57	956	.06	7	.96	.01	.21	5	88	3100
028059 DR	20	90	26	1472	1.9	212	13	1061	2.75	327	5	ND	14	304	53.3	39	2	818	3.45	.347	27	145	1.26	105	.04	8	1.09	.01	.20	1	48	1800
028060 DR	28	125	29	2904	2.7	303	13	1190	2.76	395	7	ND	12	261	65.6	63	3	1230	2.24	.324	28	139	1.03	129	.07	11	1.35	.01	.27	1	74	1600
028061 DR	4	14	22	56	.1	12	3	60	1.93	81	5	ND	7	70	.4	24	2	39	.14	.033	36	12	.05	407	.01	11	.66	.01	.33	2	53	740
028062 DR	6	12	26	19	.2	7	2	8	1.65	36	5	ND	5	128	.4	16	2	60	.08	.044	22	10	.04	428	.01	10	.62	.01	.36	1	19	1600
028063 DR	15	14	17	20	.6	6	1	24	1.52	26	5	ND	4	181	.2	14	2	99	.05	.051	18	13	.03	573	.01	11	.47	.01	.23	2	29	1700
028064 DR	15	19	21	29	.4	8	2	4	2.08	41	5	ND	3	199	.2	20	2	147	.05	.064	21	14	.03	464	.01	13	.57	.01	.26	2	12	2100
028065 DR	13	63	26	317	1.3	70	5	32	3.28	716	5	ND	8	402	4.8	97	2	294	.18	.351	24	50	.03	1346	.01	6	.89	.01	.14	2	490	3200
028066 DR	8	101	37	1079	1.0	134	16	751	3.59	979	5	2	15	141	15.4	178	2	92	.11	.153	38	22	.02	841	.01	3	1.07	.01	.08	3	2360	3800
028067 DR	18	120	19	528	2.6	73	7	164	2.34	316	5	ND	5	634	7.8	36	2	449	.65	.438	21	70	.05	3436	.01	11	1.19	.01	.15	1	110	5200
028068 DR	12	140	22	375	2.2	52	6	49	1.74	245	5	ND	2	655	6.6	24	2	461	.71	.514	12	106	.04	4320	.01	9	1.04	.01	.13	2	62	2100
028069 DR	21	102	13	636	1.3	136	9	71	2.60	302	5	ND	1	605	6.9	55	2	329	.20	.348	7	66	.03	4836	.01	6	.98	.01	.09	1	66	1400
028070 DR	14	66	14	316	2.7	65	4	35	1.71	153	5	ND	4	72	3.1	30	2	193	.03	.067	11	22	.01	678	.02	3	.53	.01	.03	1	49	1200
028071 DR	20	69	18	515	2.4	88	5	33	3.40	334	5	ND	6	139	8.3	48	5	165	.09	.128	22	26	.03	841	.01	3	.69	.01	.13	2	71	3600
028072 DR	20	103	8	433	.7	72	4	58	2.72	184	6	ND	4	158	11.2	32	4	161	.44	.281	16	29	.04	715	.01	3	.70	.01	.16	3	38	2500
028073 DR	15	140	22	712	.9	110	8	323	2.62	174	5	ND	10	423	31.5	20	2	300	1.40	.760	37	88	.05	2056	.01	13	1.22	.01	.17	2	36	1600
028074 DR	6	66	34	1373	1.3	154	17	927	3.88	57	5	ND	25	266	23.5	12	2	35	2.30	.132	63	23	.59	218	.01	4	.88	.01	.17	1	9	810
028075 DR	5	39	44	533	1.0	52	14	1057	3.91	36	5	ND	26	386	5.0	9	2	28	3.05	.126	56	19	1.01	237	.01	5	.55	.01	.18	1	5	410
028076 DR	5	43	40	484	.9	61	14	960	3.94	30	5	ND	26	363	4.6	9	2	26	2.61	.129	58	20	1.02	255	.01	3	.54	.01	.20	3	5	230
028077 DR	14	89	18	390	1.4	100	7	256	1.60	128	7	ND	8	372	8.5	20	2	356	3.16	1.228	21	73	.07	1235	.01	10	.98	.01	.19	2	8	540
028078 DR	13	60	17	381	1.5	72	5	160	1.91	104	5	ND	8	193	12.8	23	3	158	.71	.349	21	19	.05	455	.01	6	.71	.01	.15	1	25	930
028079 DR	4	63	24	706	1.1	84	10	386	2.95	144	5	ND	12	205	8.3	12	2	14	1.56	.091	22	3	.54	157	.01	2	.70	.01	.15	1	5	190
028080 DR	4	80	26	403	1.4	50	8	250	3.05	790	7	ND	12	211	5.0	24	2	13	1.74	.095	17	4	.54	69	.01	2	.51	.01	.17	1	120	80
028081 DR	3	51	24	314	1.0	33	7	238	2.67	220	5	ND	12	245	2.8	15	2	12	2.09	.089	17	9	.65	85	.01	4	.58	.01	.17	2	33	80
028082 DR	4	64	24	467	1.3	57	9	279	2.58	215	5	ND	12	188	4.1	18	5	11	1.66	.090	21	3	.59	147	.01	3	.63	.01	.17	1	51	120
028083 DR	7	107	20	752	1.0	105	9	260	2.76	58	5	ND	9	138	15.1	15	2	67	.70	.235	26	8	.14	264	.01	9	.70	.01	.19	1	4	180
028084 DR	19	90	12	273	1.4	67	3	54	1.60	157	8	ND	7	357	13.0	30	6	682	1.55	.739	23	51	.04	1091	.01	9	.83	.01	.18	3	13	1900
028085 DR	18	70	6	151	1.0	38	2	32	.88	108	8	ND	3	241	7.2	19	2	418	.60	.352	10	60	.03	1331	.01	6	.48	.01	.11	4	7	360
028086 DR	13	69	12	205	1.4	63	3	40	1.06	127	5	ND	3	326	6.9	25	2	622	.65	.394	10	55	.03	2011	.02	5	.59	.01	.10	3	21	4300
028087 DR	11	73	22	286	2.9	61	3	69	1.13	170	7	ND	3	423	11.3	28	5	888	2.53	1.041	12	77	.05	2219	.03	8	.89	.01	.14	4	470	22000
028088 DR	15	81	9	358	1.1	92	2	43	.82	160	5	ND	6	201	14.8	19	6	2234	.85	.427	17	134	.05	1907	.06	5	.71	.01	.15	6	44	3900
028089 DR	9	36	15	69	.2	25	2	33	1.29	70	5	ND	1	116	.3	15	2	141	.15	.042	12	22	.04	1199	.01	9	.50	.01	.16	1	16	520
STANDARD C/AU-R	19	59	45	130	7.6	72	31	1050	3.95	44	18	7	40	53	19.8	15	19	55	.45	.093	38	56	.89	182	.07	31	1.90	.06	.13	13	500	1400

BREC 90-262

BREC 90-263

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	HG ppb
028090 DR	9	56	19	67	.9	25	3	46	1.63	75	5	ND	4	213	.9	18	5	177	.19	.079	12	19	.04	880	.01	12	.42	.01	.17	1	20	580
028091 DR	8	75	25	246	.7	66	5	54	2.30	130	5	ND	8	395	3.2	30	2	130	.26	.159	30	22	.04	881	.01	7	.70	.01	.21	2	17	180
028092 DR	9	50	29	350	.5	81	9	392	3.11	167	5	ND	9	161	6.3	27	2	106	.22	.122	31	17	.04	1108	.01	7	.57	.01	.16	1	10	1100
028093 DR	8	29	31	354	.3	51	12	898	4.13	251	5	ND	17	132	5.6	30	2	48	.27	.142	51	8	.04	553	.01	9	.67	.01	.15	2	12	810
028094 DR	5	21	23	181	.5	23	11	814	3.75	72	5	ND	19	52	1.9	17	4	38	.44	.118	51	8	.04	400	.01	3	.54	.01	.14	1	4	780
028095 DR	3	15	23	112	1.2	12	9	669	3.37	24	5	ND	20	41	.4	11	2	37	1.35	.102	47	10	.05	499	.01	6	.50	.01	.14	2	6	830
028096 DR	3	17	25	113	1.1	14	10	836	3.77	60	5	ND	19	57	.3	16	2	34	1.47	.082	44	11	.05	821	.01	5	.57	.01	.14	1	7	550
028097 DR	4	14	24	111	1.1	16	10	748	3.59	58	5	ND	19	72	.4	16	2	22	2.26	.098	41	6	.10	542	.01	5	.53	.01	.16	1	6	700
028098 DR	6	15	26	123	1.0	20	10	872	3.85	149	5	ND	19	38	.8	23	2	15	.33	.110	50	3	.04	320	.01	5	.51	.01	.16	2	27	620
028099 DR	8	25	25	107	1.3	24	7	290	2.74	42	5	ND	12	95	.4	16	7	57	.19	.066	26	7	.04	618	.01	11	.45	.01	.23	2	8	540
028100 DR	12	26	25	38	1.7	18	3	52	1.32	41	10	ND	8	181	.6	12	4	120	.15	.069	10	29	.03	829	.01	11	.35	.01	.17	1	7	820
028101 DR	12	26	16	118	1.6	22	3	33	1.61	45	6	ND	8	179	.7	28	2	105	.15	.050	11	10	.03	831	.01	13	.44	.01	.18	1	9	1400
028102 DR	15	32	13	124	1.5	24	3	38	1.75	125	5	ND	7	202	.7	56	2	153	.10	.085	13	16	.03	1373	.01	10	.51	.01	.15	1	60	2400
028103 DR	18	47	19	257	2.9	48	8	130	2.24	736	8	ND	10	289	3.0	151	5	162	.61	.389	18	24	.02	1965	.01	7	.76	.01	.09	3	480	1900
028104 DR	7	46	38	721	2.3	66	13	410	3.86	2570	9	3	20	112	9.2	2359	2	100	.12	.143	31	22	.02	768	.01	4	.81	.01	.10	2	3320	3400
028105 DR	6	41	45	813	2.6	66	14	817	3.58	2721	5	4	19	90	5.8	5275	2	57	.15	.061	37	16	.02	688	.01	6	.71	.01	.08	3	4870	3800
028106 DR	5	35	33	586	1.4	74	12	745	3.26	1943	5	2	17	83	6.0	1489	2	39	.10	.057	36	10	.02	789	.01	3	1.05	.01	.09	3	2650	2300
028107 DR	3	38	26	526	1.5	90	13	928	3.38	2019	5	2	18	104	5.7	643	2	45	.51	.074	39	12	.04	878	.01	7	1.09	.01	.10	2	2460	1600
028108 DR	3	22	28	478	1.4	38	11	803	2.72	2042	5	3	16	205	1.3	1039	3	39	2.72	.082	37	16	.34	844	.01	4	.64	.01	.08	2	3560	2700
028109 DR	4	18	17	266	1.7	31	10	794	2.84	2344	5	4	13	338	.5	369	2	34	3.23	.067	28	8	.85	568	.01	5	.43	.01	.08	2	4670	2300
028110 DR	7	18	23	253	.5	32	10	619	2.36	912	5	ND	11	289	.4	111	2	37	2.27	.041	27	10	.59	573	.01	5	.45	.01	.08	2	580	2100
028111 DR	4	29	22	437	.8	49	13	754	3.43	1805	5	ND	11	599	4.4	167	2	80	3.34	.074	32	23	1.15	606	.01	4	.53	.01	.09	2	2150	3500
028112 DR	21	96	17	170	1.5	24	3	68	.89	365	5	ND	2	457	3.8	69	2	591	1.00	.397	14	47	.11	1691	.01	16	.78	.01	.17	1	98	5400
028113 DR	30	166	20	550	1.8	87	8	152	2.37	1060	5	ND	3	356	15.5	79	2	316	.29	.153	15	33	.12	2470	.01	8	.74	.01	.09	2	1580	7600
028114 DR	27	232	21	444	2.0	99	8	134	1.59	460	5	ND	2	581	9.4	49	2	446	.42	.325	10	47	.09	4486	.01	10	.98	.01	.09	2	290	3700
028115 DR	29	233	18	452	2.0	107	9	144	1.70	494	5	ND	2	589	9.7	57	2	438	.48	.338	10	50	.10	4445	.01	8	.99	.01	.09	2	320	3500
028116 DR	18	113	20	500	.9	118	20	673	3.44	228	5	ND	6	108	8.3	28	2	72	.36	.051	23	32	.16	781	.01	9	.51	.01	.13	1	71	1100
028117 DR	9	54	134	341	1.0	46	16	1473	3.84	666	5	ND	18	89	2.5	106	2	85	.30	.116	42	24	.14	2444	.01	5	.95	.01	.13	2	140	1900
028118 DR	15	113	40	380	.9	73	14	604	3.21	508	5	ND	9	226	5.7	72	2	183	.48	.158	32	36	.41	2882	.01	6	1.30	.01	.11	1	260	2600
028119 DR	12	83	49	308	.6	62	14	640	3.67	462	5	ND	12	181	3.8	88	2	145	.46	.150	40	39	.51	2862	.01	5	1.66	.01	.15	1	240	1600
028120 DR	10	66	34	568	.4	129	15	345	3.88	303	5	ND	10	212	2.5	49	2	79	.20	.090	34	24	.20	1018	.01	7	1.07	.01	.23	1	69	780
028121 DR	6	39	22	125	1.2	26	4	88	1.28	139	5	ND	9	155	1.3	23	5	91	.14	.036	19	13	.07	1058	.01	13	.51	.01	.17	1	43	1400
028122 DR	6	49	12	55	1.8	25	3	57	1.14	83	5	ND	8	322	1.4	17	3	255	.32	.127	13	27	.05	1323	.01	13	.52	.01	.17	1	28	2200
028123 DR	8	62	25	280	1.5	61	10	219	2.45	107	7	ND	11	456	7.0	24	3	212	.42	.247	25	25	.06	1989	.01	10	.80	.01	.15	3	20	2600
028124 DR	10	37	25	420	1.3	58	12	470	3.84	467	5	ND	15	91	12.2	36	2	49	.16	.098	39	13	.05	947	.01	4	.71	.01	.12	2	120	3100
028125 DR	7	28	29	307	.8	38	12	720	3.66	267	5	ND	12	54	4.6	26	11	26	.25	.114	43	6	.04	812	.01	4	.57	.01	.15	2	71	1500
STANDARD C/AU-R	19	63	38	131	7.0	73	32	1051	3.99	42	21	7	39	56	18.8	15	18	57	.45	.093	39	58	.89	184	.07	34	1.89	.06	.14	11	520	1500

BORE 90-263

BORE 90-264

BORE 90-265

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	HG ppb
028126 DR	8	64	35	185	1.6	55	6	235	1.77	74	5	ND	7	303	2.3	13	5	293	.64	.314	20	29	.03	1182	.01	14	.57	.01	.15	2	14	2100
028127 DR	12	49	22	89	1.0	46	3	44	2.42	95	5	ND	5	238	1.3	16	2	202	.26	.135	15	24	.04	836	.01	10	.51	.01	.21	1	14	1800
028128 DR	7	35	27	433	.3	76	17	735	4.18	114	5	ND	17	122	1.7	37	2	19	.26	.101	43	9	.06	681	.01	7	.92	.01	.19	2	16	470
028129 DR	4	19	23	410	.1	62	18	862	3.48	33	5	ND	17	72	1.6	51	4	14	.70	.106	43	5	.08	1613	.01	7	.82	.02	.17	1	9	160
028130 DR	3	13	28	139	.3	18	10	656	3.33	195	5	ND	16	178	.7	53	4	26	1.82	.105	37	9	.35	630	.01	5	.71	.02	.17	2	50	270
028131 DR	5	11	24	209	.4	26	12	629	3.79	235	5	ND	20	83	.8	39	4	20	.56	.112	48	9	.13	934	.01	2	.70	.01	.17	5	93	280
028132 DR	4	12	16	117	.6	15	9	637	3.43	35	5	ND	18	130	.4	20	5	24	1.70	.098	41	14	.32	588	.01	8	.77	.02	.18	2	18	80
028133 DR	3	16	23	176	.7	27	12	689	3.87	29	5	ND	21	65	.3	134	5	30	.55	.109	48	11	.34	517	.01	2	1.22	.02	.16	2	9	70
028134 DR	4	13	22	111	.7	9	9	661	3.65	27	5	ND	20	93	.3	40	2	17	1.50	.101	42	5	.16	254	.01	8	.68	.02	.17	2	8	100
028135 DR	7	28	25	71	1.2	16	5	82	2.48	48	5	ND	16	161	.3	28	6	39	.14	.054	26	9	.04	382	.01	8	.47	.02	.24	2	12	660
028136 DR	5	38	30	186	1.2	31	12	674	3.43	185	5	ND	23	112	2.4	38	11	158	.50	.155	45	50	.85	2428	.14	2	1.78	.03	.33	3	110	1600
028137 DR	2	26	25	159	1.1	23	12	639	3.54	148	5	ND	24	71	1.1	39	4	106	.47	.127	46	44	1.17	2516	.12	6	2.20	.02	.36	2	68	410
028138 DR	2	23	31	124	1.1	13	11	643	3.35	57	5	ND	22	56	.9	23	3	99	.52	.113	42	42	1.33	1440	.14	2	1.95	.03	.33	3	47	200
028139 DR	2	22	35	110	.9	15	9	580	3.19	27	5	ND	21	79	.3	19	2	78	.98	.106	42	41	1.32	890	.04	2	1.88	.02	.14	3	17	100
028140 DR	3	29	41	158	.8	22	11	658	3.19	44	5	ND	15	117	1.3	22	3	75	1.22	.108	35	55	1.14	1070	.02	2	1.63	.02	.13	1	18	120
028141 DR	13	60	39	182	1.4	35	5	146	1.61	51	5	ND	10	450	1.8	25	6	209	.39	.159	19	23	.14	1459	.01	10	.72	.01	.18	2	15	510
028142 DR	7	23	37	209	.6	29	14	1115	4.13	479	9	ND	26	75	.9	44	4	73	.17	.102	47	26	.03	1982	.01	4	.67	.01	.07	3	81	2000
028143 DR	8	26	36	302	.4	39	14	1715	3.72	304	5	ND	21	45	3.9	35	5	86	.36	.124	59	30	.05	2409	.01	5	.66	.01	.06	4	36	2800
028144 DR	5	20	25	163	.5	23	12	752	3.20	230	5	ND	21	34	1.5	33	5	76	.36	.116	57	32	.18	1960	.03	2	.89	.01	.15	3	100	1600
028145 DR	3	22	29	150	.5	21	13	635	3.56	85	5	ND	20	57	1.2	23	3	92	.50	.109	52	38	.76	2377	.16	2	1.78	.03	.34	2	8	610
028146 DR	6	22	31	188	.4	27	12	805	3.29	171	5	ND	22	30	1.5	30	2	81	.32	.126	54	31	.04	1863	.01	2	.57	.01	.04	2	6	2100
028147 DR	8	21	48	182	.4	22	14	955	3.48	399	5	ND	23	53	.8	75	2	74	.27	.113	56	29	.03	1888	.01	3	.64	.01	.06	2	21	2300
028148 DR	8	22	44	240	.5	24	14	774	3.84	792	5	ND	23	102	.2	162	2	69	.10	.072	46	28	.03	1970	.01	4	.65	.01	.05	3	470	1900
028149 DR	6	24	33	182	.4	20	12	1227	3.96	776	5	ND	17	102	1.2	78	4	55	.37	.083	41	19	.06	1997	.01	3	.62	.01	.06	1	1810	2600
028150 DR	9	19	49	269	.3	22	13	1260	4.55	854	5	ND	19	70	.8	57	3	49	.20	.083	43	12	.04	2034	.01	5	.71	.01	.10	2	230	2300
028151 DR	6	15	34	147	.3	15	12	1097	3.97	571	5	ND	16	98	.4	25	3	40	.63	.079	34	11	.05	2178	.01	6	.64	.01	.11	2	480	2100
028152 DR	6	24	34	162	.4	21	13	1041	3.64	862	5	ND	13	101	.9	28	4	35	1.62	.066	31	20	.08	2279	.01	6	.56	.01	.09	2	350	2500
028153 DR	4	13	26	124	.3	17	11	765	3.18	632	5	ND	14	29	.7	24	2	21	.33	.097	34	9	.04	1803	.01	6	.43	.01	.13	1	370	1200
028154 DR	5	18	31	213	.2	23	12	903	3.34	366	5	ND	16	42	.5	71	2	23	.32	.098	38	10	.15	1493	.01	7	.79	.01	.12	3	580	820
028155 DR	6	22	34	209	.5	28	13	966	3.39	220	5	ND	17	39	.5	18	4	41	.40	.116	40	22	.04	1794	.01	4	.53	.01	.10	2	34	2400
028156 DR	11	39	35	288	.7	49	15	818	3.98	506	5	ND	14	104	.4	32	2	42	.13	.075	35	24	.03	1496	.01	5	.60	.01	.09	2	130	3900
028157 DR	12	32	22	78	.9	18	3	69	1.97	107	5	ND	7	78	.2	20	3	81	.15	.038	21	11	.03	799	.01	10	.42	.01	.16	1	39	3700
028158 DR	10	24	16	32	1.6	15	3	104	1.36	33	5	ND	10	61	.3	16	4	85	.14	.032	17	11	.03	713	.01	9	.34	.01	.16	2	15	3800
028159 DR	14	34	15	97	1.9	29	4	71	1.80	69	7	ND	9	239	.6	20	4	332	.22	.304	11	41	.02	1403	.01	14	.56	.01	.13	3	23	5400
028160 DR	15	38	16	93	2.7	32	5	50	1.19	78	8	ND	9	470	1.8	22	6	339	.17	.270	11	62	.02	4005	.01	11	.78	.01	.11	2	90	5100
028161 DR	12	33	82	365	1.7	51	7	405	2.14	231	5	ND	11	121	8.1	25	5	106	.27	.145	30	17	.02	1313	.01	6	.48	.01	.10	2	150	1800
STANDARD C/AU-R	19	57	41	132	6.5	73	32	1050	3.97	37	17	6	39	55	19.9	15	19	56	.45	.092	38	57	.89	182	.07	33	1.88	.06	.14	11	530	1300

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9011-004 File # 90-5603 Page 1

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5

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	HG ppb
021501 DR	7	29	38	464	.8	73	5	964	1.37	98	5	ND	1	89	7.7	19	2	75	.11	.032	2	10	.02	2022	.01	2	.42	.02	.02	1	12	3200
021502 DR	16	49	107	1428	2.1	145	10	4529	2.97	175	5	ND	1	81	28.8	38	2	147	.43	.061	5	34	.03	2203	.01	2	.66	.01	.02	1	14	6500
027984 DR	2	29	30	160	.4	33	14	949	4.31	452	5	ND	22	76	.2	51	2	29	.93	.109	65	21	.06	1711	.01	3	.60	.01	.14	1	9	1400
027985 DR	2	22	41	152	.6	23	11	1058	3.83	1377	5	ND	16	95	.2	51	2	45	.73	.047	43	20	.06	1332	.01	2	.61	.01	.08	1	820	2800
027986 DR	2	20	30	142	.1	17	12	888	4.01	299	5	ND	17	88	.2	31	2	66	.30	.075	47	25	.03	2162	.01	2	.69	.01	.05	1	17	2600
027987 DR	2	18	40	146	.3	15	10	841	4.10	105	5	ND	16	53	.2	17	2	64	.74	.101	50	31	.12	1369	.01	4	.66	.01	.08	1	12	2500
027988 DR	2	22	40	164	.3	17	10	864	3.20	136	5	ND	16	55	.4	20	2	49	1.70	.114	54	19	.06	585	.01	2	.67	.01	.09	1	17	1700
027989 DR	1	18	30	141	.3	16	8	805	3.60	739	5	ND	14	69	.4	21	2	48	1.32	.096	48	14	.05	748	.01	2	.57	.01	.09	1	410	1500
027990 DR	3	28	35	211	.3	25	11	761	4.46	921	5	ND	14	84	.8	49	2	51	.18	.066	55	15	.05	985	.01	2	.68	.01	.12	1	41	2800
027991 DR	3	26	32	280	.4	38	12	509	4.11	1131	5	ND	13	68	1.5	95	2	29	.23	.087	54	13	.04	685	.01	6	.69	.01	.12	1	42	2500
027992 DR	8	54	27	343	.4	64	7	101	3.09	454	5	ND	6	352	2.3	75	2	167	.37	.215	30	22	.04	1589	.01	7	.81	.01	.15	1	38	2300
027993 DR	3	46	34	293	.4	66	15	533	4.60	321	5	ND	23	61	2.0	36	9	33	.34	.135	79	19	.05	539	.01	5	.61	.01	.15	1	23	2100
027994 DR	3	39	24	289	.2	62	13	517	4.65	154	5	ND	26	57	.9	28	2	37	.95	.134	77	25	.15	720	.01	3	.88	.01	.19	1	27	480
027995 DR	3	44	27	157	.8	33	12	693	3.93	64	5	ND	24	181	.7	16	2	30	3.13	.119	63	27	.59	778	.01	2	.59	.01	.17	1	5	300
027996 DR	3	35	32	110	.2	27	12	774	4.20	53	5	ND	25	109	.5	23	2	26	2.65	.125	67	19	.26	641	.01	2	.64	.01	.16	1	1	180
027997 DR	6	41	29	289	.3	62	15	728	4.19	182	5	ND	22	85	1.3	20	2	32	.35	.123	71	16	.06	619	.01	5	.57	.01	.16	1	4	1300
027998 DR	9	36	30	276	.5	62	10	433	3.15	111	5	ND	10	138	1.5	24	2	60	.62	.166	37	16	.09	2128	.01	5	.73	.01	.18	1	6	1100
027999 DR	12	40	21	165	.4	59	6	236	2.07	110	5	ND	6	175	1.0	17	2	75	.44	.246	22	32	.03	1438	.01	9	.56	.01	.14	1	2	650
028000 DR	3	22	21	160	.2	27	10	632	3.36	202	5	ND	15	65	.9	22	2	41	1.55	.129	45	17	.11	818	.01	2	.76	.01	.14	1	2	830
028001 DR	2	18	14	123	.3	20	9	585	2.94	59	5	ND	15	89	.5	25	2	57	2.36	.117	51	26	.37	942	.01	2	1.12	.01	.14	1	3	460
028002 DR	1	17	10	93	.2	16	9	548	3.27	32	5	ND	14	116	.2	16	2	76	1.96	.101	43	40	1.11	1142	.08	2	1.84	.03	.31	1	1	150
028003 DR	2	18	24	101	.3	15	10	549	3.16	26	5	ND	13	94	.8	13	2	89	1.51	.099	35	47	1.24	2075	.25	4	1.81	.06	.63	1	5	100
028004 DR	1	16	30	97	.3	14	9	572	3.12	25	5	ND	13	92	.7	21	2	89	1.79	.097	37	46	1.27	2442	.22	2	1.87	.05	.60	1	5	120
028005 DR	1	12	47	138	.2	11	8	609	3.07	31	5	ND	13	130	.6	26	2	77	2.81	.101	42	43	1.26	1723	.10	2	1.92	.03	.35	1	2	90
028006 DR	1	16	24	94	.3	13	9	349	3.20	28	5	ND	13	101	.8	23	2	89	1.60	.093	37	45	1.28	2380	.23	2	2.02	.05	.62	1	5	110
028007 DR	1	16	24	96	.2	12	9	600	3.07	23	5	ND	12	96	1.0	37	2	88	2.23	.097	36	47	1.25	2663	.26	3	1.99	.05	.60	1	5	90
028008 DR	2	17	26	204	.9	21	8	881	3.76	1450	5	ND	13	69	1.1	27	2	26	1.62	.038	35	12	.07	970	.01	7	.49	.01	.11	1	1550	3700
028009 DR	3	16	25	292	.5	27	10	1558	4.11	1265	5	ND	11	57	.4	35	2	22	1.27	.044	37	6	.04	915	.01	5	.41	.01	.10	1	950	2300
028010 DR	3	18	37	588	.7	37	11	1509	4.12	2232	5	2	13	63	.6	60	2	36	.28	.059	36	12	.03	949	.01	2	.49	.01	.08	1	2320	5400
028011 DR	8	53	19	498	1.5	47	7	349	1.78	1021	5	ND	6	347	5.2	48	2	226	.35	.215	20	42	.04	2325	.01	7	.74	.01	.09	1	1540	4800
028012 DR	20	80	11	193	1.4	24	2	63	.74	109	5	ND	1	393	4.0	21	2	501	.60	.285	11	42	.05	1135	.01	14	.67	.01	.14	1	29	8200
028013 DR	8	53	20	63	1.9	16	1	44	.68	55	5	ND	1	310	2.9	8	2	424	.86	.379	14	37	.04	986	.01	22	.66	.01	.17	1	12	9300
028014 DR	4	58	15	97	2.2	24	2	211	.62	67	5	ND	1	311	5.6	10	2	391	.88	.409	13	40	.05	1114	.01	24	.70	.01	.18	1	22	12400
028015 DR	13	78	19	216	2.3	54	3	942	.80	112	5	ND	1	362	9.2	21	2	350	.28	.192	12	53	.04	2050	.01	12	.65	.01	.13	1	67	9600
028016 DR	13	80	29	105	1.5	40	4	457	.61	109	5	ND	1	449	5.0	20	2	600	.21	.221	11	45	.03	3516	.02	11	.73	.01	.09	2	28	8700
028017 DR	16	70	16	70	1.0	28	3	232	.89	92	5	ND	1	102	2.8	19	2	623	.08	.046	8	38	.02	2151	.07	5	.35	.01	.04	1	42	8200
STANDARD C/AU-R	18	58	39	131	7.1	73	31	1051	3.95	42	15	7	38	52	18.4	15	22	57	.45	.098	39	60	.89	187	.07	31	1.89	.06	.13	11	510	1400

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: CUTTING AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: OCT 29 1990 DATE REPORT MAILED: Nov 5/90. SIGNED BY. . . . . D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

BERC 90-265

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	HG ppb
028162 DR	10	34	98	766	.9	85	13	485	3.53	230	5	ND	8	97	9.7	47	3	77	.23	.147	38	14	.01	1012	.01	2	.54	.01	.10	2	130	2900
028163 DR	15	42	41	663	1.0	95	14	1101	2.92	164	5	ND	2	86	7.9	51	2	182	.24	.160	22	27	.01	2636	.02	5	.47	.01	.07	4	44	2100
028164 DR	19	75	31	300	1.5	69	7	101	1.31	120	5	ND	1	326	2.4	35	2	668	.55	.417	12	89	.02	5077	.03	12	.82	.01	.09	2	42	3700
028165 DR	13	50	32	458	.1	61	10	716	2.70	148	5	ND	7	179	5.6	32	2	301	.42	.260	38	31	.03	2388	.01	7	.84	.01	.10	2	26	3300
028166 DR	8	27	31	576	.1	67	11	742	3.49	205	5	ND	13	33	4.3	37	2	55	.70	.127	47	19	.03	324	.01	2	.62	.01	.09	1	7	1400
028167 DR	5	18	19	362	.1	47	10	728	3.25	82	5	ND	10	97	2.2	30	2	55	1.61	.108	41	25	.52	652	.01	2	1.21	.01	.11	1	2	1000

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028168 DR	6	8	23	145	.1	23	10	691	3.74	743	5	ND	7	60	.2	161	2	39	.05	.044	33	18	.03	677	.01	2	.55	.01	.07	2	20	12600
028169 DR	5	10	20	123	.1	14	10	747	3.94	533	5	ND	7	65	.3	113	2	38	.14	.077	36	9	.03	670	.01	2	.60	.01	.09	3	18	13400
028170 DR	6	52	18	276	.1	50	7	524	2.66	486	5	ND	3	193	1.7	105	2	89	.69	.333	28	31	.03	1624	.01	6	.72	.01	.11	2	64	9400
028171 DR	8	62	17	445	.1	85	10	485	3.03	886	5	ND	3	242	3.9	103	2	85	.33	.214	23	40	.02	1894	.01	3	.68	.01	.06	3	49	3000
028172 DR	6	18	26	299	.1	40	11	815	3.66	854	5	ND	10	60	1.1	76	2	55	.08	.045	30	26	.03	618	.01	2	.52	.01	.06	2	54	4600
028173 DR	5	21	28	357	.1	45	11	749	3.70	884	5	ND	12	56	3.6	86	2	59	.49	.042	32	19	.14	588	.01	2	.56	.01	.07	2	130	3200
028174 DR	3	21	24	229	.1	27	10	719	3.42	164	5	ND	16	58	1.4	27	2	62	1.34	.091	40	20	.14	508	.01	2	.63	.01	.06	1	20	1800
028175 DR	2	21	30	177	.1	27	9	662	3.30	92	5	ND	14	53	.9	24	2	64	1.36	.105	41	53	.32	1058	.04	3	.96	.02	.15	1	3	1000
028176 DR	4	20	25	404	.3	45	11	634	3.24	246	5	ND	17	45	2.2	40	2	74	.85	.113	47	29	.44	875	.06	2	1.17	.02	.14	1	17	1600
028177 DR	8	21	27	614	.7	73	13	1003	4.18	578	5	ND	22	56	3.9	68	2	74	.56	.101	53	23	.03	639	.01	3	.63	.01	.05	2	37	2200
028178 DR	5	19	29	436	.7	47	12	949	3.75	692	5	ND	16	48	3.4	47	2	60	.26	.061	35	20	.03	548	.01	4	.49	.01	.06	3	150	2200
028179 DR	7	22	31	466	.7	45	11	1134	4.23	1507	5	2	16	51	2.7	205	2	44	.14	.042	40	15	.03	579	.01	2	.49	.01	.09	3	1510	2600
028180 DR	10	21	49	577	.7	64	14	1538	3.73	907	5	ND	16	55	2.7	77	2	61	.09	.041	32	24	.03	615	.01	4	.53	.01	.05	1	620	2700
028181 DR	11	24	32	942	.7	100	11	650	3.45	756	5	ND	12	96	4.2	100	2	66	.20	.113	38	20	.03	765	.01	4	.70	.01	.08	2	1390	5700
028182 DR	29	74	26	962	2.4	126	10	330	2.30	214	5	ND	4	519	4.6	69	2	286	.42	.310	13	36	.02	2937	.01	4	.85	.01	.07	1	160	6600
028183 DR	14	46	17	415	2.2	48	4	65	1.57	100	5	ND	4	485	9.3	27	2	230	.27	.226	15	37	.03	1828	.01	9	.56	.01	.09	1	70	6400
028184 DR	22	46	39	1296	.6	141	9	72	3.32	96	5	ND	21	165	11.8	38	2	78	.27	.178	72	24	.03	555	.01	3	.63	.01	.10	3	18	2300
028185 DR	18	181	21	410	4.0	67	4	63	1.40	145	6	ND	6	805	9.1	34	2	1145	4.08	1.504	28	135	.09	1796	.01	26	1.39	.01	.29	2	40	3700
028186 DR	16	103	9	257	1.3	60	3	32	.97	89	8	ND	1	452	4.0	25	6	874	2.48	.963	16	72	.06	1312	.01	14	.92	.01	.22	2	25	2400
028187 DR	30	105	57	329	2.2	54	5	23	1.32	108	9	ND	1	149	5.6	21	3	1029	.25	.164	7	60	.01	2242	.10	5	.47	.01	.04	2	22	9400
028188 DR	18	98	43	505	1.2	70	5	39	1.57	151	5	ND	1	138	6.8	26	3	1014	.10	.100	8	88	.01	3135	.11	2	.56	.01	.02	1	19	12800
028189 DR	16	69	33	296	.7	58	5	20	1.46	84	5	ND	1	155	3.4	20	2	321	.31	.154	11	39	.02	2616	.04	8	.58	.01	.06	1	32	2500
028190 DR	5	22	16	171	.1	20	3	24	.87	77	5	ND	1	139	1.8	15	2	69	.05	.028	2	7	.01	1813	.01	2	.11	.01	.01	1	18	2200
028191 DR	2	8	3	106	.1	15	2	87	.26	15	5	ND	1	72	1.3	2	2	21	.02	.009	2	3	.01	1979	.01	2	.03	.01	.01	1	2	380
028192 DR	4	17	16	290	.1	49	5	514	.80	47	5	ND	1	43	5.9	14	2	34	.04	.012	2	3	.01	1872	.01	4	.26	.01	.01	1	6	1200

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028193 DR	4	50	74	369	.8	103	10	537	1.77	124	5	ND	2	53	4.2	10	2	170	.27	.079	23	36	.65	2003	.01	2	.85	.01	.06	1	10	490
028194 DR	3	45	49	352	.8	110	7	493	1.50	82	5	ND	3	52	4.7	6	2	263	.60	.062	24	44	2.02	1919	.01	2	1.25	.01	.03	1	34	190
028195 DR	4	34	42	336	.4	97	7	642	1.41	35	5	ND	2	128	3.9	4	2	226	9.07	.046	20	37	4.57	1407	.01	2	2.32	.01	.01	1	13	100
028196 DR	4	32	27	315	.1	95	6	561	1.38	35	5	ND	3	131	4.4	6	2	223	8.65	.047	20	38	3.86	1800	.01	2	2.00	.01	.02	1	20	150
028197 DR	29	54	23	235	.7	156	6	281	1.21	65	5	ND	2	114	3.2	8	2	288	5.16	.055	18	31	1.70	529	.01	2	1.02	.01	.05	1	17	90
028198 DR	50	63	14	139	.5	164	6	246	1.03	123	5	ND	2	166	1.6	4	2	225	5.46	.058	17	22	2.07	954	.01	5	.38	.01	.06	1	14	80
STANDARD C/AU-R	18	58	39	131	7.2	72	31	1053	3.97	37	18	7	38	53	19.5	14	17	55	.46	.093	38	56	.90	182	.07	34	1.89	.05	.13	13	520	1500

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	HG ppb
028199 DR	30	78	24	368	1.4	210	6	281	1.35	104	5	ND	4	119	5.5	11	3	518	6.03	.053	18	41	1.66	804	.01	2	1.05	.01	.07	1	15	80
028200 DR	6	87	22	791	1.3	189	6	375	1.42	98	5	ND	3	126	21.1	12	2	707	5.69	.060	22	41	1.46	828	.01	2	1.11	.01	.07	1	10	130
028201 DR	4	87	29	536	1.3	221	6	427	1.38	79	5	ND	4	139	13.4	8	2	591	4.41	.053	25	43	1.77	297	.01	2	1.31	.01	.05	1	8	100
028202 DR	4	77	14	413	1.3	224	6	396	1.25	74	5	ND	5	120	10.4	10	2	520	4.64	.057	27	42	1.67	202	.01	4	1.29	.01	.07	1	1	80
028203 DR	5	105	23	435	1.6	249	6	756	1.36	81	5	ND	6	94	14.0	14	2	524	3.89	.061	27	45	1.81	231	.01	2	1.31	.01	.06	1	1	110
028204 DR	6	97	16	1020	1.0	203	6	776	1.49	94	8	ND	6	112	12.5	11	2	418	6.40	.059	23	38	2.36	388	.01	2	1.50	.01	.06	1	8	250
028205 DR	3	8	2	264	.7	70	3	660	.74	28	5	ND	5	137	5.5	3	2	184	13.06	.042	17	17	2.06	859	.03	2	1.15	.01	.04	1	25	10
028206 DR	3	67	15	444	.8	100	5	552	1.15	50	5	ND	7	108	6.7	8	2	230	8.76	.061	22	25	1.88	515	.03	5	1.33	.01	.12	1	1	20
028207 DR	7	87	58	1875	1.4	187	5	428	1.19	64	5	ND	5	75	25.9	9	2	1280	6.17	.057	28	53	2.05	384	.09	2	1.34	.01	.28	1	10	160
028208 DR	4	55	54	1909	1.0	160	3	782	.95	56	5	ND	4	107	64.0	6	3	746	12.22	.045	20	37	2.04	486	.08	2	1.11	.01	.06	1	20	150
028209 DR	8	84	39	1408	1.4	176	5	427	1.20	54	5	ND	4	112	24.7	4	2	1723	8.44	.071	23	79	2.81	263	.04	2	1.65	.01	.06	1	25	160
028210 DR	9	57	19	661	1.4	151	4	486	1.22	123	5	ND	5	157	17.1	7	2	1157	10.49	.116	20	75	2.67	305	.02	2	1.54	.01	.04	1	7	40
028211 DR	7	68	27	588	1.2	200	5	608	1.20	128	5	ND	4	160	12.1	7	2	988	10.36	.278	24	127	2.46	290	.01	2	1.45	.01	.04	1	1	30
028212 DR	1	7	25	147	.1	9	8	670	3.43	30	5	ND	13	54	.7	6	2	74	.49	.091	39	22	1.17	820	.10	2	1.75	.04	.17	1	5	30
028213 DR	2	25	20	78	.1	16	11	529	4.45	43	5	ND	12	36	.5	12	2	72	.41	.105	52	29	1.12	532	.03	2	1.83	.02	.16	1	1	40
028214 DR	2	15	15	84	.1	11	9	554	3.41	19	5	ND	10	49	.5	7	2	86	.57	.101	42	39	1.31	869	.07	3	1.86	.03	.19	1	1	10
028215 DR	2	14	16	88	.1	12	9	544	3.19	18	5	ND	13	57	.3	4	2	94	.92	.099	42	44	1.33	1613	.15	2	1.88	.04	.34	1	1	10
028216 DR	1	17	13	123	.1	11	9	598	3.03	27	5	ND	12	81	.5	7	2	78	1.76	.095	44	37	1.16	585	.04	5	1.73	.03	.16	1	1	20
028217 DR	1	17	23	127	.1	12	9	664	2.97	42	5	ND	14	106	.7	8	2	68	3.16	.105	49	31	.73	2315	.04	6	1.64	.02	.22	1	1	50
028218 DR	1	17	21	122	.1	13	10	763	3.38	89	5	ND	14	73	.6	17	2	90	1.94	.106	49	40	1.14	1250	.12	2	2.05	.03	.40	1	2	250
028219 DR	2	16	20	120	.1	12	10	595	3.18	75	5	ND	11	67	.8	19	2	72	1.21	.102	44	34	.95	1112	.13	3	1.65	.04	.41	1	1	30
028220 DR	3	17	37	111	.1	13	10	587	3.28	214	5	ND	15	83	.6	31	2	62	1.96	.110	51	27	.53	544	.03	4	1.13	.01	.18	1	1	1200
028221 DR	4	17	30	127	.1	17	10	683	3.71	854	5	ND	18	38	.3	64	2	51	1.09	.128	59	20	.06	451	.01	4	.59	.01	.12	1	1	1800
028222 DR	4	18	30	136	.1	21	9	490	3.29	788	5	ND	18	31	.4	79	2	62	.48	.130	65	25	.21	374	.04	4	.87	.01	.20	2	56	1400
028223 DR	5	17	40	155	.1	21	11	538	4.18	852	5	ND	19	35	.6	61	2	62	.48	.127	56	25	.25	396	.04	4	1.06	.01	.17	2	1	3600
028224 DR	4	18	37	145	.1	18	12	648	3.28	665	5	ND	17	32	.3	40	2	64	.47	.131	59	26	.13	998	.01	2	.98	.01	.12	2	1	2000
028225 DR	2	18	37	122	.3	17	11	592	3.39	132	5	ND	17	76	.7	9	2	89	.81	.103	43	37	1.08	1472	.25	2	1.96	.06	.45	1	1	340
028226 DR	1	17	28	116	.3	18	12	612	3.62	174	5	ND	16	54	.7	18	2	96	.52	.107	43	42	1.19	1339	.22	2	2.31	.04	.51	1	3	280
028227 DR	1	16	24	111	.1	17	10	467	3.26	217	5	ND	16	52	.7	17	2	83	.59	.108	46	34	.92	1071	.17	2	1.88	.03	.31	1	1	460
028228 DR	1	14	19	105	.1	13	10	578	3.37	137	5	ND	17	54	.5	7	3	88	.60	.108	46	41	1.18	839	.15	2	1.87	.04	.41	1	2	220
028229 DR	2	18	19	100	.4	15	10	762	2.99	101	5	ND	18	88	.4	16	2	58	2.01	.107	46	31	.63	317	.01	2	1.35	.01	.13	1	3	360
028230 DR	1	17	16	103	.4	15	11	705	3.47	118	5	ND	19	37	.4	11	2	76	.45	.108	49	41	1.11	385	.02	3	1.91	.02	.12	1	1	130
028231 DR	2	16	13	89	.6	12	8	555	3.01	97	5	ND	18	139	.3	20	2	59	2.88	.102	37	31	.76	244	.01	2	1.43	.01	.12	1	1	280
028232 DR	1	14	12	82	.8	12	9	567	2.80	40	5	ND	19	156	.3	7	2	78	2.47	.098	45	39	1.12	378	.04	2	1.58	.03	.18	2	1	80
028233 DR	2	17	24	109	.4	15	10	678	3.35	116	5	ND	19	133	.4	15	2	94	2.12	.108	45	51	1.37	629	.07	3	2.05	.03	.21	1	1	50
028234 DR	2	17	24	102	.5	15	10	533	3.29	128	5	ND	18	90	.8	15	2	91	1.36	.099	38	41	1.30	908	.20	2	1.92	.05	.40	1	1	30
STANDARD C/AU-R	19	61	37	134	7.0	72	32	1053	3.98	41	18	7	40	52	19.1	14	19	57	.46	.098	39	58	.90	187	.07	31	1.89	.06	.13	11	530	1400

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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	HG ppb
028235 DR	1	14	16	103	.4	14	9	590	3.52	119	5	ND	16	96	.8	12	2	94	1.47	.101	39	42	1.34	1065	.25	2	2.22	.06	.49	1	10	130
028236 DR	2	26	15	146	1.3	28	11	1707	2.96	2829	5	5	8	72	1.3	638	2	62	.09	.033	32	8	.03	915	.01	2	.50	.01	.07	1	5630	1200
028237 DR	2	31	41	135	2.5	27	11	896	2.67	3238	5	7	11	73	1.5	3705	3	38	.10	.029	28	16	.03	946	.01	2	.41	.01	.06	1	8750	3200
028238 DR	3	28	39	137	1.9	35	14	1264	3.98	3302	5	5	17	97	.4	601	2	39	.55	.040	39	24	.04	823	.01	3	.48	.01	.08	3	5150	5100
028239 DR	5	38	40	151	1.7	40	12	675	3.77	1333	5	ND	14	82	.8	281	7	44	.58	.036	36	20	.08	873	.01	7	.61	.01	.13	1	1130	2800
028240 DR	8	18	19	34	.9	16	3	113	1.52	171	5	ND	7	158	.2	107	2	64	.14	.039	21	10	.03	1049	.01	12	.40	.01	.16	2	150	830
028241 DR	13	36	33	147	1.0	43	6	209	2.49	172	5	ND	8	157	.4	74	3	73	.13	.073	22	14	.04	1104	.01	9	.47	.01	.16	1	100	650
028242 DR	4	32	43	170	1.0	25	12	1175	3.99	635	7	ND	12	126	1.0	71	2	27	1.55	.086	24	13	.36	520	.01	5	.72	.01	.13	2	310	2400
028243 DR	3	21	51	150	.9	18	10	974	3.77	155	5	ND	12	101	.4	54	2	34	1.62	.081	21	13	.44	347	.01	4	.75	.01	.11	1	76	2100
028244 DR	2	17	42	122	1.0	15	9	1009	2.87	301	5	ND	12	120	.5	47	2	26	1.91	.053	19	11	.57	345	.01	3	.58	.01	.09	2	46	5400
028245 DR	2	16	38	96	.7	11	9	999	3.13	705	5	ND	10	138	.6	39	2	32	2.37	.029	15	13	.75	458	.01	2	.49	.01	.09	1	130	5200
028246 DR	6	27	44	261	1.1	38	11	657	3.23	157	5	ND	9	107	1.8	41	4	58	.46	.065	21	24	.17	932	.01	5	.75	.01	.08	1	33	2800
028247 DR	5	28	39	336	.7	36	8	458	3.11	382	5	ND	7	69	3.2	23	3	23	.54	.103	29	4	.12	574	.01	4	.58	.01	.14	1	10	1900
028248 DR	3	28	18	130	.7	29	10	524	3.27	107	5	ND	10	72	.9	23	4	38	1.15	.115	38	13	.39	807	.03	6	1.17	.01	.22	2	4	2500
028249 DR	3	20	28	127	.4	17	11	573	3.62	32	5	ND	17	89	.8	11	7	77	2.33	.104	46	30	.80	969	.10	2	1.65	.02	.27	2	6	780
028250 DR	3	19	29	124	.2	20	11	674	3.45	59	5	ND	16	66	.6	16	2	65	2.00	.113	62	25	.34	311	.01	3	.77	.01	.05	2	10	3600
028251 DR	3	19	28	118	.5	16	10	468	2.31	70	5	ND	18	63	.4	38	2	62	1.71	.118	56	23	.37	429	.02	2	1.05	.01	.12	2	48	1050
028252 DR	2	18	54	117	.1	12	9	447	2.97	20	5	ND	13	84	.7	7	2	82	1.34	.103	36	32	1.09	919	.21	2	1.72	.05	.32	1	6	200
028253 DR	2	16	31	149	.2	12	9	575	3.29	12	5	ND	14	104	1.4	5	2	88	1.71	.103	37	37	1.16	1257	.22	2	1.88	.06	.44	1	3	230
028254 DR	2	29	137	504	.8	19	12	719	3.78	52	5	ND	15	232	4.6	19	2	30	3.02	.105	49	18	.87	318	.01	6	1.16	.01	.19	1	21	658
028255 DR	3	24	79	207	.3	17	11	660	3.59	49	5	ND	15	162	1.5	24	2	74	2.49	.106	46	34	.97	1077	.14	3	1.84	.04	.49	1	25	350
028256 DR	2	17	39	155	.1	13	10	638	3.48	30	5	ND	15	201	.8	23	2	82	2.88	.108	47	37	1.14	1530	.13	2	2.14	.04	.46	1	21	200
028257 DR	2	15	29	126	.1	14	10	569	2.92	43	5	ND	16	191	.5	32	2	72	2.70	.118	54	34	.85	1434	.04	2	1.82	.02	.22	1	19	320
028258 DR	3	23	43	149	.1	17	10	601	2.63	31	5	ND	17	144	.9	6	2	62	1.78	.089	51	30	.59	1208	.01	2	1.14	.01	.06	1	8	1600
028259 DR	3	27	20	137	.1	19	11	963	3.65	95	5	ND	15	159	.8	12	2	56	.73	.057	37	23	.38	972	.01	2	.80	.01	.05	1	8	2100
028260 DR	3	35	38	129	.3	25	13	1085	3.95	194	5	ND	19	503	1.0	23	2	30	2.81	.064	38	17	1.11	522	.01	9	.82	.01	.15	1	70	2400
028261 DR	4	31	48	161	.5	35	13	727	3.78	2474	5	ND	11	114	2.1	735	2	35	.10	.070	49	12	.04	1474	.01	8	.68	.01	.13	2	1130	1500
028262 DR	3	37	46	145	.2	30	14	920	4.07	1283	5	ND	13	124	.6	253	2	34	.11	.079	56	18	.05	1571	.01	4	.72	.01	.11	2	350	2200
028263 DR	2	20	22	106	.1	16	11	741	4.00	261	5	ND	12	52	.2	105	3	18	.67	.098	48	5	.06	545	.01	9	.65	.01	.18	1	36	2400
028264 DR	7	60	170	354	.7	72	16	605	4.60	760	5	ND	14	159	2.7	153	2	53	.36	.069	46	20	.11	1171	.01	5	.70	.01	.13	2	190	4600
028265 DR	8	26	16	58	.3	36	7	156	2.42	339	5	ND	6	125	.2	56	3	41	.14	.048	30	8	.04	1121	.01	8	.60	.01	.19	1	120	1200
028266 DR	4	43	29	164	.4	38	16	1079	4.21	461	5	ND	22	163	.5	132	2	39	1.46	.123	56	30	.31	659	.01	2	.62	.01	.16	1	32	2800
028267 DR	3	35	44	148	1.0	33	14	1005	3.77	684	5	ND	22	268	.6	64	2	47	3.21	.086	42	34	.73	1096	.01	3	.72	.01	.09	2	370	3400
028268 DR	3	34	52	149	1.0	33	14	956	3.59	198	5	ND	24	241	.7	48	2	51	2.61	.087	45	40	.63	1149	.01	5	.65	.01	.13	2	23	2800
028269 DR	3	39	51	210	1.1	41	16	1422	4.26	672	5	ND	24	180	.8	183	2	53	1.74	.067	39	38	.33	1243	.01	3	.65	.01	.10	1	350	3200
028270 DR	3	37	54	180	.9	42	17	959	3.89	581	5	2	26	154	.8	169	2	59	.99	.080	54	43	.11	1553	.01	2	.74	.01	.08	2	550	2300
STANDARD C/AU-R	19	61	39	132	7.1	73	32	1052	3.97	43	18	7	39	52	20.0	15	18	57	.45	.096	39	57	.89	183	.07	32	1.89	.06	.13	12	490	1600

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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	HG ppb
028271 DR	3	44	53	159	.2	34	16	1164	4.33	447	5	ND	19	339	.6	145	2	42	3.14	.061	44	30	.70	1429	.01	6	.65	.01	.09	1	84	3100
028272 DR	5	25	27	106	.3	29	10	496	2.67	819	5	ND	11	226	.2	46	2	46	1.78	.040	30	20	.52	1056	.01	12	.52	.01	.14	1	230	2700
028273 DR	6	22	39	146	.3	33	13	765	3.54	1544	5	ND	10	188	.2	135	4	40	.74	.073	25	12	.24	822	.01	11	.65	.01	.14	1	990	3500
028274 DR	2	21	35	100	.3	13	10	982	3.05	1761	5	2	10	232	.3	158	2	30	2.47	.044	20	13	.68	691	.01	6	.53	.01	.10	1	2250	3800
028275 DR	2	17	35	106	.1	16	10	1111	3.36	1371	5	ND	10	242	.2	189	6	25	2.73	.038	20	10	.73	618	.01	9	.54	.01	.10	1	1070	6200
028276 DR	2	21	37	142	.8	9	8	927	3.40	1577	5	ND	5	205	.5	63	3	20	2.29	.030	16	5	.75	220	.01	7	.43	.01	.11	1	1290	2100
028277 DR	3	18	33	122	1.1	13	9	1241	3.51	989	5	3	14	269	.4	1878	2	49	2.92	.043	24	16	.86	638	.01	7	.57	.01	.08	2	1780	3600
028278 DR	3	19	37	123	.8	15	10	776	3.32	156	8	ND	22	91	.2	62	2	69	1.31	.111	60	25	.48	493	.01	4	.61	.01	.06	2	68	1800
028279 DR	3	21	45	144	.8	15	11	1259	4.25	358	5	ND	17	154	.3	66	4	71	.79	.053	35	21	.28	1006	.01	3	.59	.01	.06	1	140	3300
028280 DR	3	18	29	103	.6	14	10	844	3.22	110	5	ND	19	170	.2	14	4	65	1.65	.092	56	23	.64	575	.01	4	.63	.01	.05	2	58	2600
028281 DR	3	19	24	109	.6	14	10	552	2.97	19	5	ND	18	90	.3	12	2	69	1.26	.109	44	29	.79	1046	.09	2	1.39	.03	.15	1	10	730
028282 DR	3	23	44	567	.6	14	11	1363	4.17	363	5	ND	16	239	3.6	24	2	61	1.96	.079	44	20	.69	703	.01	2	.65	.01	.06	1	140	3200
028283 DR	5	19	58	145	.2	17	13	919	4.25	342	5	ND	18	126	.2	28	4	70	.21	.061	47	24	.10	1291	.01	4	.75	.01	.05	2	96	2200
028284 DR	4	20	37	119	.5	16	12	1169	3.78	334	5	ND	17	114	.2	27	2	53	.16	.047	41	17	.09	1001	.01	8	.65	.01	.07	1	140	2000
028285 DR	4	18	39	119	.5	15	12	865	3.37	122	14	ND	22	118	.2	17	3	63	.24	.086	54	23	.11	1145	.01	6	.76	.01	.06	2	48	1900
028286 DR	6	29	41	158	.4	33	14	917	4.27	786	5	ND	18	182	.4	179	2	60	2.02	.079	47	27	.60	977	.01	6	.84	.01	.10	2	510	2100
028287 DR	3	32	25	110	.2	22	13	755	3.79	355	5	ND	19	162	.3	117	5	43	2.48	.106	49	27	.53	774	.02	10	.95	.02	.21	1	320	780
028288 DR	3	15	47	107	.4	13	11	757	3.65	277	5	ND	17	108	.6	62	3	27	1.99	.101	44	13	.32	617	.01	9	.90	.02	.19	2	78	430
028289 DR	2	11	52	130	.4	11	10	710	3.78	985	5	ND	13	117	.5	52	2	19	1.94	.080	31	6	.21	594	.01	9	.76	.01	.16	1	140	1100
028290 DR	3	24	29	117	.2	22	12	750	3.91	766	5	ND	16	102	.3	87	2	35	1.54	.101	43	30	.43	698	.03	9	1.02	.01	.25	1	140	780
028291 DR	2	33	14	105	.1	30	13	592	3.65	587	5	ND	21	253	.4	58	2	72	1.95	.109	55	67	1.24	628	.11	6	1.62	.02	.42	1	240	200
028292 DR	2	36	24	126	.1	34	15	610	3.87	528	5	ND	21	111	.3	73	5	59	1.68	.114	49	57	.86	491	.06	8	1.41	.01	.28	1	98	380
028293 DR	2	35	26	127	.1	33	16	805	3.95	1448	5	ND	21	181	.3	64	2	46	2.61	.108	48	36	.51	683	.01	7	.61	.01	.13	1	1670	1300
028294 DR	3	38	67	152	.3	36	15	1037	3.95	929	5	ND	22	153	.4	72	4	50	2.73	.120	49	41	.49	371	.03	7	.77	.01	.22	1	500	680
028295 DR	3	44	25	145	.1	40	17	930	4.18	672	5	ND	24	100	.2	67	3	63	1.56	.144	65	47	.17	409	.01	7	.59	.01	.10	1	110	920
028296 DR	4	27	52	159	.2	33	15	1138	4.21	930	5	ND	18	158	.4	68	5	44	1.75	.084	44	31	.23	867	.01	7	.60	.01	.12	1	240	1600
028297 DR	4	26	65	293	.2	54	15	605	4.15	652	5	ND	13	108	1.5	49	2	18	.52	.094	34	7	.10	641	.01	9	.65	.01	.15	1	96	1900
028298 DR	13	32	22	90	.5	17	4	40	1.67	188	5	ND	7	112	.2	39	2	76	.12	.034	23	10	.07	1297	.01	14	.45	.01	.14	1	41	1200
028299 DR	9	54	15	252	.3	60	12	167	3.21	243	5	ND	5	144	1.6	97	2	54	.25	.046	20	11	.13	82	.01	12	.53	.01	.16	1	51	1500
028300 DR	3	15	74	172	.4	18	11	861	3.27	877	5	ND	8	370	.8	457	2	23	2.87	.037	18	10	1.04	525	.01	8	.51	.01	.09	1	520	3400
028301 DR	3	19	93	186	.7	14	10	911	3.42	1279	5	ND	10	317	.7	446	2	30	2.78	.041	16	10	.96	148	.01	8	.52	.01	.10	1	1190	3800
028302 DR	3	20	47	230	.5	18	10	779	3.26	614	5	ND	13	230	1.2	118	2	42	2.32	.052	25	16	.90	196	.01	4	.64	.01	.09	1	360	3300
028303 DR	2	33	26	269	.8	39	14	861	3.46	787	5	ND	11	220	1.6	427	2	49	3.48	.066	23	20	1.21	281	.01	4	.63	.01	.06	1	580	2900
028304 DR	6	41	33	311	1.1	42	13	529	3.36	750	5	ND	12	137	1.3	140	2	64	.57	.047	30	16	.28	968	.01	6	.73	.01	.09	1	520	2300
028305 DR	3	24	34	191	1.0	26	13	944	3.77	1636	5	2	16	210	.7	89	4	55	1.98	.040	30	20	.76	630	.01	5	.73	.01	.07	2	1390	3500
028306 DR	3	22	73	285	1.3	29	14	791	3.68	949	8	ND	19	170	.9	68	4	65	1.35	.050	39	24	.58	1092	.01	3	.79	.01	.04	2	680	2800
STANDARD C/AU-R	19	58	38	131	7.0	72	32	1052	3.97	43	17	8	39	56	18.8	15	23	56	.45	.096	38	58	.89	183	.08	34	1.89	.06	.14	13	540	1300

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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	HG ppb
028307 DR	2	23	37	122	.4	19	11	1093	4.12	964	5	ND	15	470	.3	230	2	35	4.26	.069	44	26	1.47	253	.01	3	.76	.01	.12	1	410	2500
028308 DR	3	22	38	168	.5	21	10	1030	3.89	896	5	ND	15	464	.2	213	2	39	3.68	.066	42	25	1.23	369	.01	4	.85	.01	.12	1	450	1900
028309 DR	3	26	59	235	.5	30	12	895	3.70	784	5	ND	13	344	.7	397	2	50	2.26	.062	39	27	.83	652	.01	3	1.03	.01	.10	1	370	1600
028310 DR	4	31	50	256	.2	40	14	717	3.28	326	5	ND	17	247	.7	144	2	60	.88	.079	43	30	.40	1688	.01	2	1.42	.01	.08	1	110	1200
028311 DR	4	29	35	202	.4	44	12	605	3.62	1095	5	ND	7	139	.6	394	2	54	.39	.062	29	17	.06	1825	.01	5	.78	.01	.14	1	750	1300
028312 DR	6	37	26	217	.3	32	7	77	3.20	67	5	ND	3	98	.2	50	2	59	.10	.029	16	11	.04	1237	.01	3	.74	.01	.17	1	19	1400
028313 DR	6	39	33	234	.3	32	7	84	3.62	169	5	ND	4	118	.4	50	2	71	.13	.036	20	15	.06	1184	.01	4	.84	.01	.18	1	31	1300
028314 DR	6	37	29	304	.3	61	12	191	3.17	499	5	ND	6	151	4.2	72	2	63	.22	.045	26	15	.06	1127	.01	5	.84	.01	.15	1	330	1600
028315 DR	2	10	27	140	.5	19	11	1152	3.74	1617	5	ND	10	209	.6	118	2	21	2.04	.072	34	8	.27	1131	.01	9	.62	.01	.16	1	550	1300
028316 DR	2	11	33	149	.7	15	9	1247	3.69	1407	5	ND	10	196	.5	113	2	20	2.16	.083	29	7	.23	698	.01	8	.64	.01	.16	1	540	1200
028317 DR	5	22	190	190	1.2	39	9	766	3.27	445	5	ND	6	172	.5	166	2	51	1.00	.070	24	9	.17	713	.01	13	.58	.01	.16	1	340	1500
028318 DR	13	15	20	58	.8	23	2	39	2.03	220	5	ND	4	323	.2	64	2	85	.16	.070	22	12	.05	836	.01	18	.51	.01	.26	1	45	1200
028319 DR	17	31	48	175	1.6	55	6	214	2.64	676	5	ND	5	359	1.2	88	2	126	.14	.125	21	16	.04	1061	.01	15	.66	.01	.22	1	89	2500
028320 DR	3	20	52	154	1.3	21	9	1104	3.56	1708	5	ND	12	274	.6	90	2	28	3.22	.109	37	15	.60	685	.01	6	.55	.01	.18	1	1160	2400
028321 DR	2	34	55	154	2.0	28	11	1502	3.97	2221	5	2	15	705	.5	72	2	49	6.19	.103	38	30	1.64	473	.01	5	.44	.01	.15	1	3230	2600
028322 DR	3	32	43	154	1.6	28	12	960	3.75	1119	5	ND	18	585	.6	59	2	46	4.46	.098	40	33	1.15	509	.01	4	.52	.01	.12	1	1270	2900
028323 DR	4	35	38	170	1.3	35	13	781	3.77	646	5	ND	21	253	.5	80	2	53	3.17	.110	48	38	.58	801	.01	2	.60	.01	.13	1	320	2500
028324 DR	4	38	66	205	.6	37	13	952	4.19	1221	5	ND	21	356	1.4	142	2	50	3.24	.083	40	42	.95	729	.01	4	.67	.01	.10	1	510	4300
028325 DR	2	35	57	156	.7	29	12	1011	3.94	1399	5	ND	15	366	1.7	1047	2	43	3.77	.057	25	35	1.28	193	.01	3	.52	.01	.09	1	880	6800
028326 DR	2	36	148	222	1.5	22	10	1691	4.39	1262	5	ND	8	495	1.7	13136	2	44	5.83	.045	19	25	1.84	92	.01	2	.49	.01	.09	1	2050	3300
028327 DR	4	35	47	118	1.0	28	13	970	4.48	2223	5	ND	15	452	.2	2078	2	39	3.70	.050	27	31	1.15	255	.01	4	.53	.01	.10	1	1530	1800
028328 DR	3	31	29	102	.8	28	12	899	4.53	2316	5	ND	14	672	.3	692	2	31	3.92	.043	21	25	1.37	131	.01	2	.44	.01	.10	1	1290	3600
028329 DR	2	22	38	88	1.8	22	9	907	3.47	2235	5	5	9	475	.5	388	2	29	3.27	.037	17	18	1.15	135	.01	2	.51	.01	.09	1	5280	3200
028330 DR	5	25	34	215	1.0	42	12	834	3.90	1280	5	2	9	194	1.9	332	2	60	1.50	.046	23	24	.56	244	.01	2	.62	.01	.07	1	2220	5600
028331 DR	4	19	43	157	.3	22	11	951	3.79	454	5	ND	13	178	.5	85	2	69	1.17	.064	33	27	.54	1298	.01	2	.64	.01	.04	1	600	2900
028332 DR	3	18	51	138	.8	16	9	924	3.48	460	5	ND	14	213	.2	97	2	56	2.11	.058	35	24	.70	1001	.01	4	.70	.01	.06	1	370	2700
028333 DR	5	19	36	118	.3	19	10	878	3.79	668	5	ND	14	228	.4	300	2	58	2.76	.059	35	31	.89	1147	.01	2	.73	.01	.08	1	520	2400
028334 DR	4	19	34	117	.2	19	11	851	3.68	419	5	ND	16	201	.3	87	3	66	2.25	.058	44	28	.76	1252	.01	2	.76	.01	.05	1	130	1700
028335 DR	4	18	32	121	.4	16	9	622	3.17	255	5	ND	18	141	.2	56	2	70	2.52	.091	46	33	.74	976	.01	3	.85	.01	.05	1	49	2600
028336 DR	2	16	58	245	.6	49	15	1004	3.76	1038	5	ND	12	112	1.8	445	2	22	.67	.065	44	8	.08	1480	.01	6	.81	.01	.18	1	540	3000
028337 DR	5	28	49	277	.7	85	24	563	4.05	970	5	ND	8	128	2.3	927	2	45	.22	.066	34	13	.08	1657	.01	11	1.18	.01	.26	1	690	1600
028338 DR	5	40	38	291	.4	102	25	641	4.60	725	5	ND	9	137	1.7	188	3	47	.38	.052	33	19	.08	1732	.01	2	.86	.01	.17	1	310	2000
028339 DR	6	42	30	270	.2	97	19	299	3.42	828	5	ND	7	146	3.3	157	2	52	.26	.041	29	18	.07	1614	.01	2	.77	.01	.15	1	230	1500
028340 DR	7	50	21	247	.3	63	11	90	3.64	1036	5	ND	5	157	2.4	100	2	58	.15	.044	25	15	.06	1431	.01	2	.68	.01	.16	1	130	1300
028341 DR	8	35	20	214	.5	40	8	60	2.06	290	5	ND	5	147	.2	68	2	62	.14	.044	20	15	.07	1825	.01	6	.73	.01	.18	1	94	1400
028342 DR	7	53	22	257	.2	42	10	102	3.50	124	5	ND	5	113	.2	43	2	46	.10	.033	21	12	.06	1354	.01	7	.66	.01	.16	1	24	950
STANDARD C/AU-R	19	60	42	132	7.1	72	31	1054	3.98	39	16	8	39	53	18.5	14	21	58	.46	.100	41	61	.90	185	.08	33	1.90	.07	.13	11	540	1300

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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	HG ppb
028343 DR	4	65	21	242	.6	53	16	172	4.66	405	5	ND	6	106	.6	69	2	38	.10	.028	28	12	.06	1353	.01	3	.62	.01	.14	1	110	1300
028344 DR	6	49	35	305	.7	84	22	472	3.94	1397	5	ND	8	165	2.5	67	2	45	.09	.047	33	16	.06	1743	.01	5	.75	.01	.13	1	400	2400
028345 DR	4	42	33	181	1.5	52	15	1311	3.67	1506	8	2	15	367	1.4	2172	6	43	3.00	.051	28	27	1.05	528	.01	3	.58	.01	.11	1	1460	5300
028346 DR	3	36	37	124	1.4	31	12	1705	3.66	1921	5	2	15	711	.3	2917	2	43	4.28	.030	25	28	1.35	273	.01	4	.45	.01	.08	1	1920	6400
028347 DR	4	38	34	130	1.2	33	13	1131	3.61	1852	5	ND	14	477	.2	1970	2	38	3.22	.030	26	29	1.08	670	.01	2	.50	.01	.08	1	1610	7800
028348 DR	5	34	26	170	1.1	47	12	1296	3.50	1577	5	ND	9	701	1.0	560	3	49	3.63	.033	30	26	1.22	770	.01	2	.59	.01	.09	1	2300	3500
028349 DR	10	24	26	51	.8	17	2	36	1.32	80	5	ND	2	320	.2	44	2	107	.11	.073	17	16	.06	854	.01	22	.44	.01	.21	1	65	2600
028350 DR	8	24	22	92	1.9	24	5	148	2.40	390	5	ND	5	290	.4	157	6	76	.24	.060	28	15	.13	368	.01	16	.58	.01	.26	1	290	2800
028351 DR	13	25	20	102	.9	32	3	80	1.45	95	5	ND	2	357	.8	52	2	120	.17	.096	16	17	.07	1389	.01	15	.48	.01	.17	1	54	2800
028352 DR	5	25	33	193	.3	35	10	832	3.17	950	5	ND	6	282	2.5	99	5	36	1.94	.080	21	10	.72	715	.01	6	.73	.01	.13	1	360	3000
028353 DR	6	22	40	150	1.4	29	9	828	3.06	942	5	ND	6	271	1.5	88	4	33	2.28	.068	21	11	.84	577	.01	8	.71	.01	.12	1	490	2800
028354 DR	6	31	38	217	.4	42	12	857	3.58	1119	5	ND	7	383	1.9	122	4	41	2.52	.058	26	17	.94	500	.01	6	.86	.01	.12	1	790	3600
028355 DR	5	44	44	273	.1	53	15	976	4.24	596	6	ND	10	418	1.8	129	6	49	2.97	.077	34	30	1.16	184	.01	4	.93	.01	.11	1	170	3100
028356 DR	4	31	49	167	.6	51	16	1105	4.72	631	5	ND	11	426	1.4	75	3	32	2.89	.095	23	18	1.35	75	.01	11	.94	.01	.19	1	1630	5400
028357 DR	5	30	31	198	.3	39	14	1064	4.36	738	5	ND	9	268	1.2	935	3	56	2.03	.060	30	26	.80	791	.01	8	.99	.01	.11	1	610	4400
028358 DR	5	22	46	170	.1	22	11	1018	3.54	731	5	ND	10	284	.7	177	4	53	2.90	.059	33	22	.99	1253	.01	6	.86	.01	.08	1	410	3100
028359 DR	4	19	50	138	.1	18	10	900	3.27	352	5	ND	11	242	.3	73	2	60	2.50	.054	32	23	.82	1248	.01	3	.87	.01	.06	1	310	2900
028360 DR	3	17	66	151	.3	15	9	1193	3.56	713	5	ND	9	478	.7	46	2	34	3.55	.052	29	13	1.17	811	.01	2	.66	.01	.09	1	250	2700
028361 DR	4	36	26	136	.1	38	14	724	3.86	123	5	ND	20	160	.7	53	5	30	2.19	.134	64	21	.36	417	.01	4	.74	.01	.16	1	41	480
028362 DR	5	51	42	206	.1	56	19	770	4.62	408	5	ND	20	107	1.2	46	2	35	.28	.117	83	22	.10	777	.01	6	.95	.01	.16	1	61	920
028363 DR	5	50	46	190	.3	47	18	817	4.77	344	5	ND	23	93	.9	43	2	40	.50	.132	83	25	.18	742	.01	10	.95	.01	.16	1	54	950
028364 DR	7	42	43	188	.3	44	15	629	4.50	150	5	ND	19	50	1.2	27	2	43	.30	.099	71	23	.08	408	.01	7	.72	.01	.21	1	26	720
028365 DR	7	51	42	189	.3	61	17	735	4.43	82	5	ND	8	57	1.0	20	3	55	.19	.054	40	36	.06	677	.01	5	.89	.01	.15	1	6	1200
028366 DR	8	40	25	153	1.4	31	8	339	2.27	115	5	ND	3	146	.9	15	6	97	.24	.398	19	35	.04	2097	.01	11	.79	.01	.14	1	26	2600
028367 DR	6	30	70	429	.2	63	13	694	3.96	332	5	ND	13	120	4.8	21	5	42	.66	.152	35	17	.16	836	.01	4	.69	.01	.11	1	7	5200
028368 DR	5	24	31	329	.1	50	14	870	4.24	209	5	ND	16	104	1.9	20	3	66	.51	.095	44	25	.13	978	.01	4	.75	.01	.06	1	20	2200
028369 DR	3	19	33	302	.3	46	12	677	3.50	83	5	ND	15	86	1.9	17	5	79	.81	.113	46	35	.73	623	.09	4	1.49	.02	.32	1	17	560
028370 DR	3	19	23	194	.1	25	11	589	3.72	156	5	ND	15	58	1.0	24	6	80	.52	.117	53	31	.67	1026	.16	2	1.61	.04	.46	1	24	850
028371 DR	3	19	123	261	.9	21	12	606	4.08	43	5	ND	16	69	1.6	18	2	75	.87	.112	47	33	.74	1278	.08	2	1.87	.02	.32	1	13	620
028372 DR	6	25	44	354	.4	45	12	878	3.51	127	5	ND	21	30	2.2	31	2	73	.36	.138	65	32	.05	309	.01	4	.78	.01	.08	1	48	2500
028373 DR	5	26	98	257	1.5	22	13	841	4.35	328	9	ND	19	105	1.5	34	5	66	.54	.110	60	26	.11	1073	.01	5	.86	.01	.09	1	100	2900
028374 DR	4	19	43	235	.7	21	11	707	3.36	271	11	ND	18	178	1.2	22	6	54	2.51	.095	43	24	.50	1050	.01	3	.78	.01	.08	1	120	1900
028375 DR	3	16	24	104	.6	13	9	784	3.16	575	6	ND	15	254	.3	17	3	36	3.08	.045	25	16	.71	748	.01	5	.76	.01	.12	1	130	3600
028376 DR	3	17	23	155	.8	13	10	1072	3.38	1087	9	ND	13	302	.7	19	10	30	3.93	.030	25	13	.87	430	.01	8	.62	.01	.11	1	310	3900
028377 DR	3	21	31	154	.6	17	11	928	3.59	756	6	ND	14	113	.6	18	4	51	1.46	.034	32	21	.26	746	.01	2	.79	.01	.08	1	240	3700
028378 DR	4	21	33	127	.4	19	12	697	3.68	365	5	ND	15	79	.2	16	2	65	1.22	.037	33	27	.15	847	.01	2	.71	.01	.05	1	75	4200
STANDARD C/AU-R	19	61	35	132	7.0	73	32	1053	3.97	43	21	7	39	52	19.1	15	19	57	.46	.095	39	58	.89	184	.08	33	1.89	.07	.13	11	520	1500

BERC 90-273

BERC 90-274

Bec 90-274

SAMPLE#	... 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	... ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	... %	W ppm	Au* ppb	NG ppb
028379 DR	5	20	41	145	.1	20	13	530	3.94	197	5	ND	16	95	.2	20	2	76	.20	.082	58	29	.06	1319	.01	6	.83	.01	.03	2	35	3600
028380 DR	3	19	35	140	.1	18	13	691	3.23	66	5	ND	17	37	.2	19	2	70	.66	.124	57	28	.12	321	.01	4	.79	.01	.07	2	28	3000
028381 DR	2	17	30	121	.1	19	11	446	3.94	62	5	ND	15	72	.2	17	2	83	.68	.101	44	34	1.03	1091	.18	3	2.20	.03	.24	1	27	360
028382 DR	2	17	33	121	.1	15	10	524	3.29	43	5	ND	16	76	.5	11	2	83	.96	.104	44	32	.95	858	.18	3	1.77	.03	.46	1	14	390
028383 DR	4	21	186	224	1.2	14	10	729	3.43	734	5	ND	16	74	1.2	19	2	49	1.68	.116	61	18	.35	742	.01	7	.67	.01	.11	3	410	1800
028384 DR	3	15	17	107	.6	15	10	606	4.11	225	5	ND	18	111	.2	37	2	67	2.12	.108	70	24	.60	444	.05	3	1.71	.01	.23	2	220	380

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NOV 30 10:42

90-199

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	HG ppb
022043 DR	11	48	9	39	1.4	57	3	22	.88	99	5	ND	2	378	1.8	13	2	589	.87	.414	12	45	.05	2732	.01	19	.82	.01	.19	1	51	8400
022044 DR	19	60	20	99	2.0	58	4	159	.95	54	7	ND	2	416	4.2	17	2	415	.82	.435	10	39	.04	2902	.01	17	.82	.01	.15	1	36	7600
022045 DR	17	47	16	94	1.9	51	5	296	.88	47	6	ND	2	338	4.0	18	2	275	.34	.245	10	31	.04	3261	.01	19	.75	.01	.14	3	34	6600
028385 DR	15	61	51	269	.5	82	14	312	4.04	110	5	ND	7	56	1.2	28	2	36	.08	.039	36	18	.05	1068	.01	9	.61	.01	.18	1	21	1700
028386 DR	12	37	43	182	.3	50	14	585	3.75	64	5	ND	7	70	1.1	18	2	47	.06	.049	26	23	.03	1085	.01	11	.60	.01	.16	1	22	1200
028387 DR	9	39	37	220	.4	48	17	863	4.40	167	5	ND	11	84	2.2	23	3	47	.10	.089	45	28	.03	1522	.01	5	.70	.01	.12	1	21	3900
028388 DR	8	21	30	164	.4	37	15	1524	3.64	134	5	ND	15	41	1.0	19	2	76	.27	.131	59	31	.03	785	.01	2	.73	.01	.08	1	22	2500
028389 DR	6	20	42	162	.1	23	11	680	3.29	87	5	ND	18	38	.4	13	2	86	.29	.125	65	32	.04	438	.01	2	.76	.01	.06	1	9	2900
028390 DR	5	19	31	132	.2	18	11	799	2.65	53	5	ND	18	39	.2	22	2	73	.43	.132	71	25	.10	431	.01	3	.88	.01	.08	1	7	1300
028391 DR	3	19	34	125	.2	13	11	522	2.46	36	5	ND	18	39	.2	37	2	67	.49	.125	62	24	.15	328	.01	2	1.00	.01	.10	1	7	900
028392 DR	5	19	29	155	.2	22	11	799	3.03	72	5	ND	18	33	.3	16	2	72	.35	.126	58	27	.06	362	.01	3	.79	.01	.07	1	6	1800
028393 DR	4	36	34	138	.4	18	11	783	4.04	120	5	ND	16	81	.2	14	2	62	.43	.075	43	22	.06	920	.01	5	.85	.01	.07	1	12	2900
028394 DR	5	26	39	112	.3	26	15	1084	4.11	144	5	ND	18	120	.2	15	2	36	1.58	.056	62	24	.08	1090	.01	5	.73	.01	.12	1	8	1400
028395 DR	3	12	26	105	.3	13	10	809	3.22	73	5	ND	12	97	.2	9	2	44	1.05	.038	32	18	.25	764	.01	6	.71	.01	.07	2	11	1900
028396 DR	4	18	23	112	.3	16	13	1111	4.02	112	5	ND	13	84	.3	13	2	59	1.06	.042	34	24	.07	900	.01	2	.79	.01	.07	1	11	3200
028397 DR	5	30	35	90	.5	21	13	999	4.19	108	5	ND	17	114	.2	13	2	33	1.02	.056	61	24	.09	1212	.01	5	.70	.01	.12	1	43	1300
028398 DR	4	27	32	80	.2	22	12	803	3.85	116	5	ND	16	149	.2	13	2	30	3.58	.053	57	21	.15	1222	.01	3	.66	.01	.13	1	12	740
028399 DR	2	33	29	85	.4	16	10	777	3.77	61	5	ND	15	269	.2	14	5	26	4.64	.043	51	22	.45	847	.01	2	.59	.01	.12	1	18	540
028400 DR	5	31	32	89	.3	25	15	893	4.40	306	5	ND	15	149	.2	16	2	26	3.47	.066	56	22	.11	1354	.01	3	.62	.01	.12	1	33	780
028401 DR	3	29	29	78	.3	20	11	826	3.87	131	5	ND	15	336	.2	16	2	22	3.97	.057	50	23	.65	1127	.01	5	.58	.01	.12	1	16	960
028402 DR	3	25	27	76	.4	19	11	837	3.81	208	5	ND	15	482	.2	20	2	24	4.25	.055	43	24	1.02	1131	.01	7	.64	.01	.14	1	28	1000
028403 DR	2	31	35	70	1.4	17	11	816	4.11	2787	5	ND	14	511	.2	41	9	28	3.36	.053	34	26	.98	177	.01	4	.65	.01	.11	1	860	1700
028404 DR	2	29	33	84	.6	18	11	856	4.09	476	5	ND	14	538	.2	27	5	21	4.03	.047	39	22	1.33	800	.01	5	.54	.01	.12	1	110	1300
028405 DR	4	22	23	96	.8	16	10	963	4.23	1805	5	ND	12	362	.2	31	2	36	3.28	.057	32	22	.86	487	.01	5	.64	.01	.10	1	1210	2100
028406 DR	4	20	21	104	.5	16	10	712	3.67	390	5	ND	13	185	.2	25	7	49	2.57	.066	28	24	.54	693	.01	6	.59	.01	.08	1	110	3000
028407 DR	4	19	26	83	.3	15	11	847	3.80	283	5	ND	12	263	.2	23	6	36	3.14	.059	35	23	.80	911	.01	2	.62	.01	.11	1	44	1800
028408 DR	3	28	35	90	.2	20	11	796	4.08	125	5	ND	18	485	.2	18	2	21	3.82	.089	47	22	1.37	611	.01	4	.66	.01	.15	1	18	1600
028409 DR	2	24	25	93	.2	17	12	745	3.78	73	5	ND	19	470	.2	15	2	19	3.61	.098	48	21	1.40	374	.01	5	.52	.01	.19	1	32	1900
028410 DR	8	24	14	58	2.5	13	3	61	1.20	78	5	ND	2	273	.6	11	2	133	1.91	1.008	18	47	.05	2355	.01	20	.97	.01	.23	1	46	2100
028411 DR	15	38	18	68	3.1	18	3	69	1.41	143	5	ND	2	264	.5	28	2	144	2.22	1.151	19	50	.05	1651	.01	19	.95	.01	.24	1	60	2800
028412 DR	17	99	32	209	2.6	45	5	226	2.53	656	6	ND	7	214	4.7	174	2	115	1.32	.614	27	29	.10	1129	.01	12	1.01	.01	.18	1	520	2600
028413 DR	4	59	43	331	.3	64	12	791	4.07	177	5	ND	15	118	2.9	82	2	72	1.35	.096	36	29	.27	1138	.01	5	.77	.01	.03	1	55	5400
028414 DR	5	35	36	284	.5	59	11	936	3.96	168	5	ND	14	94	2.0	46	2	77	1.21	.093	27	30	.13	1042	.01	4	.67	.01	.02	1	41	5100
028415 DR	5	25	49	289	.4	46	12	1037	3.40	119	5	ND	14	65	1.4	30	2	72	.63	.053	25	27	.07	876	.01	2	.70	.01	.02	1	7	5800
028416 DR	4	22	40	236	.4	33	11	1032	3.67	142	5	ND	14	79	1.6	27	2	66	1.47	.062	29	26	.30	837	.01	2	.74	.01	.03	1	26	6000
028417 DR	4	18	40	194	.2	24	11	1016	3.92	97	5	ND	14	73	.8	16	2	66	.70	.061	27	25	.17	811	.01	2	.72	.01	.02	1	8	5500
STANDARD C/AU-R	18	58	37	132	6.9	71	32	1049	3.99	38	17	7	36	53	18.5	15	18	55	.45	.093	37	59	.91	181	.07	34	1.89	.06	.14	13	550	1500

BCRC 90-225

BCRC 90-226

BERC 90-276

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	HG ppb
028418 DR	5	21	114	344	3.5	29	11	1223	3.65	969	5	ND	13	67	3.3	51	2	49	.31	.040	27	16	.08	861	.01	5	.56	.01	.06	1	1140	4800
028419 DR	4	16	36	188	.3	23	11	930	3.54	120	5	ND	14	54	.9	13	2	65	1.10	.051	30	26	.24	619	.01	2	.54	.01	.02	1	36	10800
028420 DR	3	16	29	126	.2	18	9	459	2.91	33	5	ND	16	57	.2	20	2	63	1.67	.105	38	29	.52	581	.06	2	1.44	.02	.19	1	12	3000
028421 DR	3	17	29	126	.2	17	9	618	3.12	96	5	ND	16	64	.2	12	2	65	1.56	.104	48	30	.41	449	.04	2	.96	.01	.14	1	38	2700
028422 DR	4	17	28	144	.3	21	10	755	3.09	184	5	ND	15	67	.2	11	2	55	1.88	.034	26	23	.27	651	.01	6	.58	.01	.05	1	19	6800
028423 DR	3	16	25	124	.3	16	9	793	3.29	534	5	ND	13	100	.4	13	2	46	1.37	.030	26	20	.44	622	.01	6	.55	.01	.06	1	670	5100
028424 DR	2	17	26	132	.3	15	10	770	3.36	393	5	ND	13	134	.2	12	2	43	2.35	.027	22	21	.45	577	.01	4	.53	.01	.07	1	100	3300
028425 DR	3	24	38	189	.4	27	11	911	3.92	192	5	ND	16	179	.9	19	2	24	2.50	.034	43	17	.39	640	.01	5	.50	.01	.10	1	44	2200
028426 DR	3	23	32	113	.5	20	10	776	3.63	99	5	ND	15	403	1.1	16	2	18	3.29	.027	43	17	.95	502	.01	3	.47	.01	.11	1	8	900
028427 DR	3	20	63	383	.7	13	9	856	3.87	104	5	ND	11	255	3.1	24	2	24	2.90	.033	24	16	.74	388	.01	6	.52	.01	.11	1	12	5700
028428 DR	3	19	102	357	1.1	15	8	791	3.16	127	5	ND	12	173	2.0	25	3	38	3.00	.041	28	20	.74	610	.01	5	.57	.01	.08	1	19	4900
028429 DR	2	15	34	117	.3	11	8	531	3.15	25	5	ND	14	134	.7	13	2	75	2.20	.096	38	35	.91	760	.16	2	1.33	.04	.46	1	5	900
028430 DR	3	10	27	130	.2	14	8	617	3.50	42	5	ND	14	138	.2	16	2	59	2.36	.100	38	29	.74	522	.07	6	1.17	.02	.30	2	8	2300
028431 DR	2	14	24	121	.3	13	8	649	3.16	24	5	ND	12	159	.2	10	2	74	2.29	.097	33	37	1.03	696	.15	3	1.30	.04	.48	1	7	360
028432 DR	2	14	16	94	.2	10	7	571	3.10	16	5	ND	13	152	.2	10	2	76	2.54	.092	36	36	1.09	601	.15	4	1.24	.05	.47	1	6	170
028433 DR	5	17	35	174	.2	26	10	734	3.86	177	5	ND	17	92	.6	37	2	62	1.73	.109	48	26	.35	623	.02	2	.87	.01	.13	1	21	2400
028434 DR	3	17	36	133	.2	15	8	702	3.03	110	5	ND	14	215	.5	17	2	44	3.46	.084	40	22	.98	668	.01	2	.68	.01	.10	1	9	2700
STANDARD C/AU-R	18	57	40	131	6.9	73	31	1051	3.99	41	18	7	37	52	18.6	15	20	56	.45	.097	37	61	.89	182	.07	31	1.88	.06	.14	11	490	1500

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9011-006 File # 90-5623 Page 1

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5

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	HG ppb
021503 DR	4	43	61	179	.7	34	14	1583	4.05	563	6	ND	18	154	.7	32	2	42	1.85	.058	34	32	.23	927	.01	7	.73	.01	.12	1	130	5300
021504 DR	3	36	41	145	.1	33	15	1244	4.14	536	6	ND	18	137	.3	39	2	49	1.06	.043	40	38	.08	788	.01	8	.67	.01	.08	1	140	8700
021505 DR	3	31	38	136	.2	28	13	1256	3.74	876	5	ND	14	163	.2	33	3	34	2.20	.037	34	26	.23	672	.01	8	.70	.01	.12	1	250	4200
021506 DR	3	22	42	148	.3	14	10	1288	3.53	1342	8	ND	9	154	.5	30	4	25	1.94	.040	26	9	.21	812	.01	9	.66	.01	.13	1	670	2700
021507 DR	4	17	55	197	.6	17	9	1774	3.42	883	7	ND	9	182	.7	28	2	23	2.17	.053	24	8	.34	779	.01	10	.71	.01	.15	1	420	2000
021508 DR	4	20	30	116	.1	14	10	973	2.94	244	9	ND	11	106	.7	16	3	42	1.67	.091	34	19	.30	588	.01	6	.93	.01	.17	1	74	1900
021509 DR	3	19	16	121	.1	27	10	653	3.26	45	5	ND	12	131	.2	14	5	74	1.61	.092	34	36	1.11	432	.12	5	1.46	.04	.43	1	18	100
021510 DR	3	23	26	109	.1	16	10	807	3.07	220	5	ND	9	163	.6	19	4	37	2.85	.093	27	20	.63	421	.01	9	.77	.01	.13	1	68	2100
021511 DR	5	65	29	117	1.9	22	5	423	1.64	433	5	ND	2	350	.9	20	3	171	1.96	.599	18	42	.16	1843	.01	19	.97	.01	.22	1	120	2300
021512 DR	10	74	16	138	2.0	24	6	71	1.22	155	5	ND	1	600	2.7	18	2	343	1.37	.881	12	59	.06	5517	.01	21	1.09	.01	.18	1	34	2400
021513 DR	13	68	42	271	1.5	64	6	770	1.97	275	7	ND	3	284	7.4	31	5	221	1.50	.535	20	30	.15	448	.01	16	.96	.01	.14	3	56	3500
021514 DR	11	54	27	373	.1	69	11	1244	3.77	224	5	ND	13	122	9.7	47	2	65	.92	.103	38	21	.61	168	.03	7	1.31	.01	.24	1	87	1900
021515 DR	4	28	18	360	.1	64	12	730	3.48	237	5	ND	14	103	16.1	39	5	82	1.44	.115	49	35	1.02	1086	.15	6	2.32	.02	.59	1	40	250
021516 DR	2	22	26	263	.1	37	12	678	3.74	29	5	ND	14	172	3.1	32	2	89	2.36	.108	44	41	1.32	3709	.14	6	2.78	.03	.52	1	5	50
021517 DR	2	20	25	173	.1	27	11	617	3.62	24	5	ND	13	90	1.9	33	4	91	1.69	.109	39	39	1.26	3059	.18	4	2.71	.03	.58	1	3	30
021518 DR	3	29	465	839	4.2	15	11	1243	3.41	446	5	ND	13	125	6.4	240	2	57	3.25	.104	41	21	.97	62	.01	3	1.04	.01	.13	1	200	3300
021519 DR	2	18	26	220	.1	22	10	614	3.55	163	5	ND	14	162	1.2	27	3	83	2.06	.108	41	35	1.25	1192	.17	5	2.68	.03	.60	1	27	220
021520 DR	3	16	39	128	.1	16	10	991	3.59	102	5	ND	14	144	.7	12	5	61	2.21	.089	44	24	.79	974	.01	4	.96	.01	.05	1	30	2400
021521 DR	4	20	27	174	.1	19	10	694	2.73	77	5	ND	16	99	.7	18	2	68	1.78	.108	50	31	.62	1014	.02	4	1.16	.01	.15	1	19	2300
021522 DR	2	19	15	105	.1	13	9	602	3.19	23	5	ND	14	142	.4	15	4	80	2.76	.103	43	33	1.04	702	.07	4	1.88	.03	.30	1	6	340
021523 DR	4	20	24	149	.1	20	10	712	3.05	47	10	ND	15	81	.4	11	2	69	2.90	.114	50	40	.85	405	.01	4	1.10	.01	.14	1	6	1600
021524 DR	6	21	41	207	.1	25	10	1228	3.89	126	5	ND	14	112	1.0	17	2	62	2.32	.081	34	24	.78	661	.01	5	.95	.01	.08	1	17	3600
021525 DR	5	15	28	186	.1	21	9	1000	3.14	433	5	ND	15	230	1.7	12	4	48	4.01	.094	35	25	1.15	258	.01	2	.89	.01	.10	1	120	2000
021526 DR	6	14	34	276	.1	28	10	1026	3.60	346	5	ND	15	195	1.5	14	5	47	3.00	.110	44	18	.89	152	.01	6	.97	.01	.12	1	70	1600
021527 DR	3	41	33	257	.6	14	11	621	4.00	2532	5	ND	12	82	2.9	25	2	32	.15	.052	44	13	.08	884	.01	8	.80	.01	.11	1	1250	8800
021528 DR	5	27	27	123	.6	17	11	1090	4.62	2510	5	ND	12	66	.6	25	2	48	.14	.035	38	17	.05	792	.01	6	.64	.01	.08	2	2300	11200
021529 DR	5	61	34	295	1.3	13	11	617	4.71	3335	5	ND	12	86	4.5	30	5	31	.14	.048	42	10	.04	909	.01	6	.73	.01	.12	1	2020	11000
021530 DR	4	18	22	111	.7	17	11	859	4.14	2426	5	4	14	59	.5	19	7	48	.11	.036	42	17	.03	718	.01	6	.65	.01	.08	1	3920	6700
021531 DR	4	16	24	101	.1	13	10	623	3.20	559	5	ND	12	65	.4	10	4	50	.17	.037	39	22	.03	775	.01	5	.82	.01	.08	1	290	6800
021532 DR	6	17	25	107	.5	18	11	856	3.60	1455	10	ND	14	79	.5	20	4	60	.09	.046	38	20	.03	896	.01	5	.67	.01	.08	1	1270	7100
021533 DR	6	20	34	118	.1	16	12	905	4.17	669	5	ND	14	86	.4	14	4	72	.11	.048	38	28	.03	977	.01	4	.88	.01	.07	1	400	7300
021534 DR	7	20	37	127	1.0	19	12	1251	4.66	2174	10	ND	16	78	.8	23	10	75	.11	.046	43	22	.03	1009	.01	8	.70	.01	.09	1	1300	7100
021535 DR	6	23	33	143	.1	19	12	1040	4.99	1653	5	ND	14	81	.8	19	2	76	.14	.046	39	30	.05	1046	.01	7	.76	.01	.07	1	750	7500
021536 DR	6	20	32	123	.1	14	11	980	4.32	990	5	ND	12	88	.2	17	2	68	.10	.047	37	25	.05	1039	.01	6	.78	.01	.05	2	260	6500
021537 DR	7	20	30	135	.3	23	11	979	3.53	1049	7	ND	13	101	.9	16	2	67	.07	.056	37	27	.03	1212	.01	5	.85	.01	.06	2	420	6300
021538 DR	6	18	31	121	.1	17	11	900	3.39	743	5	ND	12	99	.5	13	4	74	.07	.058	34	23	.02	1244	.01	5	.75	.01	.04	1	270	5800
STANDARD C/AU-R	18	58	39	130	7.1	72	31	1053	3.98	40	21	7	37	53	19.9	15	23	56	.46	.093	37	56	.90	181	.07	36	1.89	.06	.13	11	510	1300

BCRC 90-277

BCRC 90-278

1CP - .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: CUTTING

DATE RECEIVED: OCT 30 1990 DATE REPORT MAILED: Nov 6/90 SIGNED BY. D. Toye ..D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

BCRC 90-278

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	HG ppb
021539 DR	7	21	27	116	.7	17	10	801	3.90	765	5	ND	14	34	.8	19	8	79	.08	.027	30	22	.03	517	.01	3	.47	.01	.04	2	480	4100
021540 DR	7	25	35	211	.6	35	10	774	3.38	492	5	ND	14	41	2.5	19	3	102	.29	.057	38	24	.09	1003	.01	2	.55	.01	.05	1	300	6800
021541 DR	6	22	46	167	.3	24	11	876	3.13	638	5	ND	16	39	.8	14	4	77	.21	.069	40	24	.05	713	.01	2	.54	.01	.04	1	410	4800
021542 DR	5	24	44	143	1.3	21	10	773	3.29	1291	5	ND	13	42	.8	17	10	63	.20	.035	31	19	.06	1099	.01	4	.48	.01	.06	2	790	4200
021543 DR	6	23	30	195	1.3	31	10	594	2.85	1631	5	ND	11	62	1.8	26	6	72	.19	.060	23	21	.04	768	.01	3	.47	.01	.06	2	2290	5400
021544 DR	9	38	33	219	2.9	34	5	223	2.29	1179	5	ND	9	130	2.5	21	2	85	.25	.122	17	16	.05	1349	.01	5	.60	.01	.11	1	820	3900
021545 DR	15	82	35	533	3.7	101	11	351	3.53	1330	5	ND	10	153	5.6	25	2	109	.48	.194	27	33	.08	1036	.01	8	.80	.01	.16	1	410	5700

BCRC 90-279

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	HG ppb
021546 DR	2	21	17	88	.6	13	9	493	3.05	130	5	ND	14	38	.3	11	4	30	.49	.113	39	16	.29	640	.01	3	.89	.02	.15	1	23	160
021547 DR	2	23	13	84	.2	14	10	556	3.15	59	5	ND	12	40	.2	16	2	53	.54	.101	37	30	.84	590	.01	3	1.47	.01	.14	1	21	200
021548 DR	1	13	18	83	.1	12	9	468	3.12	40	5	ND	11	39	.2	16	4	64	.43	.106	38	39	1.18	627	.01	4	1.76	.01	.15	1	12	170
021549 DR	1	16	15	90	.3	9	9	449	3.36	78	5	ND	14	30	.4	27	2	42	.38	.097	40	17	.97	412	.01	2	1.60	.01	.13	1	12	130
021550 DR	2	9	17	89	.3	8	8	459	3.30	42	5	ND	14	51	.2	15	2	56	.67	.091	38	17	.92	848	.01	2	1.57	.03	.12	1	8	150
021551 DR	3	25	12	28	.1	9	8	300	3.18	53	5	ND	12	32	.2	16	2	49	.35	.094	39	16	.74	451	.01	2	1.18	.02	.11	1	17	160
021552 DR	2	16	20	72	.1	11	10	427	3.11	36	5	ND	13	50	.2	12	3	64	.40	.100	40	25	.65	1492	.08	2	1.35	.02	.31	1	12	650
021553 DR	2	18	17	89	.1	12	9	503	3.03	40	5	ND	12	61	.3	4	3	73	.78	.099	40	34	.95	1364	.05	2	1.46	.03	.23	1	15	170
021554 DR	1	18	9	71	.1	11	8	490	3.18	34	5	ND	12	46	.3	10	2	71	.62	.102	48	34	.97	659	.02	4	1.61	.02	.14	1	5	80
021555 DR	2	18	15	103	.1	14	9	509	2.79	122	5	ND	15	40	.5	43	2	68	.68	.110	49	24	.34	681	.03	2	1.10	.01	.15	1	23	1800
021556 DR	5	19	30	152	.1	25	11	915	3.62	268	5	ND	12	50	1.5	27	3	81	.22	.060	31	26	.05	699	.01	2	.67	.01	.03	1	39	4000
021557 DR	6	23	25	244	.5	42	11	909	4.45	822	5	ND	8	43	4.5	67	2	127	.09	.034	24	23	.04	605	.01	4	.52	.01	.04	2	940	6800
021558 DR	6	22	28	220	.4	33	9	740	3.71	777	5	ND	10	42	3.5	66	2	116	.08	.030	22	26	.03	560	.01	3	.51	.01	.04	2	310	9200
021559 DR	6	22	57	183	.4	30	11	829	3.92	946	5	ND	11	47	2.2	36	2	91	.15	.038	32	29	.08	928	.01	4	.57	.01	.06	1	430	8700
021560 DR	6	18	43	204	.5	32	12	1009	3.83	1127	5	ND	13	51	2.8	31	2	91	.12	.038	29	27	.06	785	.01	3	.55	.01	.06	2	440	5600
021561 DR	7	24	35	221	.5	37	11	963	4.08	740	5	ND	11	46	3.4	47	4	104	.09	.031	30	23	.04	679	.01	4	.50	.01	.05	3	410	8200
021562 DR	7	23	35	159	.3	24	10	868	3.16	486	5	ND	10	45	1.5	20	2	71	.08	.030	24	29	.04	727	.01	2	.50	.01	.04	1	130	6300
021563 DR	5	20	40	166	.7	25	12	914	3.72	1375	5	ND	14	46	1.8	30	2	68	.39	.033	33	19	.07	1026	.01	4	.53	.01	.08	2	950	6800
021564 DR	6	13	25	113	1.3	20	9	1000	3.38	1948	5	ND	11	42	1.1	24	4	54	.17	.031	32	19	.04	729	.01	4	.37	.01	.08	1	1820	5600
021565 DR	5	20	30	153	.8	25	10	606	3.40	766	5	ND	14	50	1.7	19	4	57	.72	.080	40	16	.06	942	.01	5	.51	.01	.09	1	390	2800
021566 DR	5	21	24	144	.3	24	11	641	3.13	418	5	ND	15	40	1.4	17	3	70	.68	.112	50	25	.09	531	.01	3	.62	.01	.08	1	210	2900
021567 DR	4	19	28	123	1.8	20	11	768	3.69	3790	5	4	12	52	.6	25	2	55	.45	.042	32	19	.11	507	.01	4	.58	.01	.08	1	5310	10000
021568 DR	5	20	36	112	.6	15	11	820	3.50	1019	5	ND	16	54	.2	15	4	57	.74	.092	51	22	.08	798	.01	3	.69	.01	.07	1	510	2600
021569 DR	2	14	24	87	.8	11	8	852	3.07	1844	5	ND	11	215	.2	14	2	30	2.40	.029	23	10	.78	170	.01	3	.44	.01	.08	1	1550	3200
021570 DR	5	23	32	130	1.7	21	10	715	3.38	2456	6	4	14	51	.6	24	4	58	.34	.063	39	23	.07	954	.01	4	.55	.01	.07	1	4300	8800

BCRC 90-280

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	HG ppb
021571 DR	3	16	69	162	1.1	12	9	617	3.34	122	5	ND	15	42	.8	39	7	51	.99	.020	28	19	.04	453	.01	4	.61	.01	.05	1	29	4200
021572 DR	3	15	29	98	.7	11	10	465	2.95	110	5	ND	16	43	.2	67	2	58	.50	.103	52	19	.21	506	.04	2	.84	.01	.18	1	35	1600
021573 DR	3	15	25	123	.7	11	8	405	2.65	37	5	ND	17	35	.5	39	2	62	.62	.103	46	23	.33	445	.04	5	.89	.01	.10	1	12	1500
021574 DR	2	15	31	98	.6	11	8	494	2.68	32	5	ND	13	55	.6	11	2	67	.84	.096	29	31	.79	783	.11	4	1.28	.03	.14	1	64	620
STANDARD C/AU-R	18	57	37	130	7.1	72	31	1052	3.97	41	18	7	37	53	19.9	14	21	56	.45	.092	38	55	.89	181	.07	34	1.89	.06	.13	11	460	1300

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	HG ppb
021575 DR	1	17	29	94	.1	11	8	452	2.62	15	5	ND	12	55	.6	11	2	69	.71	.088	25	27	.90	1030	.15	2	1.42	.04	.12	1	14	210
021576 DR	2	17	32	96	.1	13	8	430	2.69	19	5	ND	12	72	.9	9	2	76	1.04	.092	30	32	.99	980	.17	2	1.49	.05	.19	1	9	90
021577 DR	2	15	21	80	.1	12	7	409	2.67	11	5	ND	12	66	.9	5	2	75	.83	.087	31	28	1.01	706	.19	2	1.42	.05	.18	1	7	70
021578 DR	1	15	26	85	.1	10	8	418	2.73	19	5	ND	14	71	.8	8	4	74	.72	.095	34	28	.95	780	.18	2	1.47	.05	.21	1	6	80
021579 DR	2	14	22	83	.1	12	8	400	2.65	16	5	ND	11	65	.5	7	2	73	.69	.088	28	28	1.02	642	.20	2	1.45	.06	.19	2	22	100
021580 DR	2	14	22	82	.1	10	7	400	2.56	13	5	ND	11	56	.6	4	3	70	.68	.089	30	27	1.00	476	.19	3	1.37	.05	.15	1	7	130
021581 DR	2	17	26	83	.1	10	8	428	2.67	18	5	ND	13	58	.4	5	4	71	.74	.092	32	28	.96	414	.18	4	1.36	.05	.20	1	5	80
021582 DR	2	17	22	113	.1	16	8	480	2.74	35	5	ND	14	61	.9	15	2	76	.66	.094	34	28	.99	618	.18	3	1.46	.05	.22	1	29	400
021583 DR	2	16	21	88	.1	11	7	424	2.59	21	5	ND	13	67	.7	10	2	69	.77	.086	28	26	.88	729	.16	2	1.38	.05	.19	1	10	80
021584 DR	3	19	28	114	.1	14	10	413	2.92	62	5	ND	18	32	.5	28	3	68	.62	.108	52	23	.17	658	.02	2	.94	.01	.09	1	4	2300
021585 DR	6	20	23	139	.1	19	10	862	3.60	647	5	ND	18	37	1.7	47	2	78	.44	.123	69	20	.07	496	.01	3	.72	.01	.10	1	110	3500
021586 DR	6	21	32	137	.1	17	11	734	4.02	307	5	ND	17	89	1.2	33	2	76	.61	.088	50	22	.05	1121	.01	3	.81	.01	.05	1	54	2600
021587 DR	5	20	25	141	.1	18	10	757	3.66	732	5	ND	14	136	1.1	40	2	64	1.08	.053	36	18	.24	1045	.01	3	.72	.01	.08	1	140	2200
021588 DR	2	18	25	110	.1	14	8	478	2.98	89	5	ND	16	50	.9	15	2	70	.65	.096	42	24	.55	625	.09	2	1.18	.02	.14	1	11	1800
021589 DR	2	19	19	99	.2	14	8	458	2.84	32	5	ND	15	72	.8	6	2	74	.98	.097	34	29	1.02	974	.17	2	1.50	.04	.18	1	17	320
021590 DR	2	16	22	94	.1	12	8	435	2.78	24	5	ND	13	66	.7	4	4	73	.94	.090	28	28	1.04	1153	.16	2	1.52	.04	.17	1	11	310
021591 DR	1	13	19	91	.2	10	8	427	2.65	32	5	ND	14	71	.5	5	2	70	1.59	.085	31	30	1.00	1137	.11	2	1.47	.03	.18	1	5	180
021592 DR	3	16	16	105	.2	12	8	513	2.86	78	5	ND	14	51	.4	12	3	71	1.70	.097	45	27	.59	802	.06	2	1.10	.02	.21	1	7	1300
021593 DR	4	16	20	90	.1	12	9	513	3.02	151	5	ND	14	64	.2	20	5	66	1.58	.099	45	22	.32	741	.04	2	.91	.01	.20	1	12	2300
021594 DR	2	15	16	94	.1	13	8	480	3.08	189	5	ND	15	62	.6	15	3	75	1.11	.098	40	32	.95	650	.04	2	1.58	.02	.18	1	17	630
021595 DR	2	13	14	82	.1	10	8	414	2.75	76	5	ND	13	52	.3	14	4	66	1.26	.095	42	25	.62	392	.04	2	1.15	.02	.16	1	7	1300
021596 DR	4	18	15	92	.3	13	8	466	3.01	83	5	ND	15	78	.8	14	6	76	1.48	.091	38	47	1.03	791	.07	4	1.60	.03	.23	1	30	700
021597 DR	2	18	14	97	.1	12	8	467	2.97	63	5	ND	13	80	.5	8	6	80	1.24	.093	32	35	1.11	1332	.18	2	1.62	.05	.43	1	40	540
021598 DR	3	17	16	101	.2	15	10	458	3.14	127	5	ND	16	59	.3	13	4	80	1.34	.102	50	37	.85	1112	.11	2	1.50	.03	.34	1	34	1700
021599 DR	1	14	13	88	.2	10	8	517	3.05	224	5	ND	14	84	.2	9	2	72	1.75	.102	41	32	1.01	987	.07	4	1.63	.02	.29	1	82	460
021600 DR	1	16	16	91	.2	11	8	476	2.70	181	5	ND	17	87	.2	12	2	70	2.07	.104	48	34	.89	935	.06	2	1.63	.02	.28	1	47	1300
021601 DR	1	18	15	89	.3	9	10	509	3.32	86	5	ND	17	96	.4	14	3	85	1.84	.102	45	40	1.42	2872	.10	2	2.49	.02	.40	1	17	310
021602 DR	6	27	65	321	.9	20	12	604	4.02	253	5	ND	12	175	1.8	97	2	44	.15	.085	46	23	.07	1566	.01	2	.73	.01	.11	1	24	4800
021603 DR	8	15	43	263	.2	15	10	908	4.27	214	5	ND	15	99	1.7	76	2	66	.22	.080	43	15	.08	1455	.01	2	.70	.01	.07	1	9	3300
021604 DR	8	15	36	439	.5	10	10	620	3.86	82	5	ND	17	33	2.3	67	2	51	.40	.110	55	11	.09	360	.01	2	.75	.01	.11	1	12	860
021605 DR	10	15	37	169	.3	15	5	133	2.46	81	5	ND	8	85	.6	48	3	49	.21	.073	37	10	.08	1027	.01	4	.69	.01	.15	1	9	1400
021606 DR	9	32	33	160	.2	39	9	255	3.17	242	5	ND	10	99	1.1	42	6	69	.26	.103	38	22	.12	1338	.01	6	.82	.01	.16	1	35	1300
021607 DR	5	25	23	129	.7	26	10	405	3.38	118	5	ND	14	80	.7	23	2	65	.60	.106	39	26	.64	978	.02	4	1.21	.02	.18	1	12	540
021608 DR	2	17	18	95	.5	13	9	506	3.27	114	8	ND	17	71	.2	11	2	81	.85	.104	42	40	1.16	779	.08	2	1.68	.03	.32	1	24	490
021609 DR	2	20	29	108	.6	13	9	554	3.24	207	5	ND	16	87	.5	14	2	83	1.24	.100	36	37	1.16	812	.12	4	1.66	.04	.38	1	62	270
021610 DR	2	18	38	134	.2	14	9	649	3.30	44	5	ND	14	81	.7	7	3	89	1.31	.098	36	43	1.38	893	.19	2	1.83	.05	.38	1	15	190
STANDARD C/AU-R	18	57	37	131	6.5	72	31	1049	3.95	41	19	7	36	53	19.0	15	19	53	.45	.089	37	56	.91	181	.08	34	1.87	.06	.14	13	530	1400

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SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	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	HG ppb
021611 DR	1	20	27	125	.3	12	9	612	3.03	34	5	ND	11	66	.5	6	2	88	1.00	.099	31	35	1.29	1249	.20	2	1.69	.04	.37	1	13	100
021612 DR	2	16	26	123	.2	11	8	600	2.93	231	5	ND	11	76	.5	11	3	78	1.14	.098	33	31	1.00	964	.18	3	1.49	.04	.44	1	75	120
021613 DR	1	20	24	125	.2	10	9	596	3.00	21	5	ND	11	74	.7	5	2	90	.96	.102	32	37	1.27	914	.24	2	1.80	.05	.43	1	7	60
021614 DR	2	18	26	152	.6	17	10	673	3.17	273	5	ND	14	52	1.0	46	4	83	.62	.110	40	27	.81	812	.14	4	1.50	.03	.36	1	74	560
021615 DR	2	20	38	118	.3	16	8	535	2.70	17	5	ND	12	82	.6	6	4	80	.79	.100	30	30	1.11	1025	.22	3	1.60	.05	.29	1	11	110
021616 DR	1	17	33	113	.3	14	9	528	2.66	17	5	ND	11	69	.8	6	6	80	.69	.097	29	30	1.11	1155	.23	4	1.59	.05	.33	1	24	150
021617 DR	1	20	37	129	.1	14	8	563	2.82	35	5	ND	11	67	.8	5	2	83	.76	.097	31	31	1.07	1217	.23	2	1.57	.05	.40	1	23	530
021618 DR	4	21	40	152	.5	15	10	813	2.90	417	5	ND	14	44	1.1	35	2	63	.46	.112	59	17	.13	552	.01	3	.66	.01	.11	1	98	3300
021619 DR	3	20	40	161	.4	18	11	760	2.92	380	5	ND	17	42	.9	31	6	74	.54	.117	51	25	.45	749	.08	3	1.17	.02	.31	1	100	1800
021620 DR	2	19	22	114	.1	13	8	744	2.95	326	5	ND	13	115	.4	13	2	72	1.87	.102	37	27	.81	702	.14	3	1.21	.04	.42	1	93	850
021621 DR	2	19	24	99	.3	12	8	530	2.82	30	5	ND	13	83	.9	6	2	83	1.16	.097	31	33	1.06	791	.23	6	1.50	.06	.43	1	12	130
021622 DR	6	30	43	261	.1	48	20	786	4.38	318	14	ND	15	96	1.1	58	2	42	.13	.067	42	21	.09	966	.01	4	.72	.01	.12	1	78	1900
021623 DR	7	32	36	273	.1	54	18	668	3.94	417	5	ND	13	108	1.8	61	2	58	.24	.094	39	25	.15	1126	.01	5	.82	.01	.12	1	130	1800
021624 DR	7	37	42	296	.1	52	18	823	4.37	410	5	ND	15	127	1.7	88	2	61	.43	.145	41	24	.17	1198	.01	7	.97	.01	.14	1	240	1700
021625 DR	9	37	37	278	.2	54	17	730	4.16	361	5	ND	13	106	2.0	85	2	65	.21	.068	37	24	.14	1211	.01	4	.72	.01	.11	1	120	1900
021626 DR	10	34	36	331	.1	73	14	474	4.00	241	5	ND	10	101	2.1	94	2	55	.19	.060	32	20	.14	1243	.01	6	.88	.01	.11	1	59	1500
021627 DR	7	22	34	271	.1	50	13	840	3.58	143	5	ND	8	121	1.4	55	2	50	.49	.053	29	16	.28	1256	.01	4	.64	.01	.09	1	28	2100
021628 DR	5	15	22	160	.1	26	11	585	3.47	110	5	ND	6	166	.5	24	2	47	1.79	.047	22	13	1.01	1034	.01	4	.63	.01	.10	1	13	1200
021629 DR	4	14	34	132	.1	15	9	564	3.33	99	5	ND	5	180	.4	21	2	38	2.21	.044	20	9	1.17	816	.01	3	.66	.01	.10	1	10	1000
021630 DR	4	10	27	113	.1	12	9	665	3.22	84	5	ND	9	261	.4	18	2	46	2.76	.060	21	12	1.28	1067	.01	4	.60	.01	.09	1	6	800
021631 DR	6	12	20	144	.1	22	10	728	3.50	117	5	ND	10	191	.3	26	2	45	2.25	.080	28	18	1.07	829	.01	3	.66	.01	.12	1	27	1000
021632 DR	4	13	39	157	.1	18	10	687	3.23	144	5	ND	10	201	.4	36	2	37	2.57	.077	24	10	1.03	454	.01	6	.60	.01	.12	1	29	1900
021633 DR	5	16	20	136	.1	19	10	688	3.33	91	5	ND	11	202	.4	29	2	46	2.35	.073	27	21	1.03	947	.01	5	.74	.01	.11	1	27	1400
021634 DR	3	13	14	133	.1	20	10	653	3.23	110	5	ND	10	274	.4	30	2	33	3.04	.047	21	10	1.13	523	.01	4	.62	.01	.12	1	24	1500
021635 DR	7	32	16	168	.1	69	13	320	3.13	145	5	ND	4	128	.6	31	2	47	.55	.039	25	14	.46	196	.01	8	.59	.01	.18	1	20	700
021636 DR	9	42	38	342	.1	81	15	293	3.08	218	5	ND	3	131	1.7	34	2	35	.59	.027	21	6	.45	102	.01	7	.44	.01	.16	1	24	1600
021637 DR	9	40	19	331	.1	76	14	227	2.77	77	5	ND	1	98	1.7	16	3	38	.38	.027	23	8	.36	122	.01	8	.48	.01	.18	1	20	1200
021638 DR	8	33	19	271	.1	68	11	253	2.72	114	5	ND	3	267	1.3	41	2	43	1.37	.040	16	7	.62	79	.01	7	.44	.01	.14	1	39	1100
021639 DR	14	45	14	385	.1	73	10	169	2.07	54	5	ND	1	192	3.4	10	2	89	.98	.131	9	30	.42	80	.01	9	.78	.02	.20	1	4	500
021640 DR	16	52	12	542	.5	69	5	250	1.88	70	5	ND	1	272	6.2	9	2	161	1.94	.264	5	20	.73	94	.01	9	.95	.03	.21	1	2	400
021641 DR	10	32	77	257	.1	20	11	815	4.76	110	5	ND	56	290	1.7	13	2	55	.97	.106	106	15	.51	117	.10	7	.97	.03	.32	1	11	410
021642 DR	6	23	68	164	.1	11	10	868	4.65	75	5	ND	57	341	.5	11	3	41	1.09	.084	130	3	.54	201	.12	7	.80	.03	.34	1	10	230
021643 DR	7	22	71	158	.1	10	10	898	4.53	100	5	ND	60	347	.5	12	2	36	1.29	.078	123	7	.58	275	.08	6	.73	.02	.29	1	51	250
021644 DR	3	35	31	305	.1	65	21	585	4.11	235	5	ND	8	96	.6	37	2	37	.09	.048	36	16	.06	945	.01	6	.68	.01	.11	1	73	2800
021645 DR	3	20	33	240	.1	31	15	895	3.60	134	5	ND	9	105	.7	25	2	49	.04	.038	30	22	.03	906	.01	4	.61	.01	.06	1	30	4000
021646 DR	2	19	43	401	.1	26	17	1136	4.14	250	5	ND	9	104	1.9	27	2	51	.18	.043	31	17	.04	1098	.01	3	.57	.01	.06	1	84	4600
STANDARD C/AU-R	19	60	39	133	7.1	73	32	1052	3.97	42	17	7	40	52	18.8	15	17	57	.45	.097	39	56	.89	187	.07	32	1.89	.06	.14	12	540	1500

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352 P05

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	Hg ppb
021647 DR	1	17	37	275	.6	26	14	999	3.74	474	5	ND	9	168	1.5	28	2	38	1.66	.062	27	16	.29	703	.01	5	.58	.01	.09	1	570	4800
021648 DR	2	18	34	150	.6	17	11	1265	3.81	1381	5	2	8	183	.7	198	2	46	1.00	.029	23	19	.32	518	.01	2	.52	.01	.06	1	2510	5000
021649 DR	2	17	33	138	.3	18	12	1095	3.85	737	5	ND	8	133	.6	35	2	55	.85	.023	21	20	.28	418	.01	2	.47	.01	.04	2	760	4400
021650 DR	2	20	41	149	.6	14	9	882	3.43	1141	5	ND	10	168	.7	3920	2	49	2.97	.022	24	22	.85	326	.01	3	.44	.01	.06	1	990	4800
021651 DR	2	16	33	112	.3	10	8	878	3.54	817	5	ND	11	219	.6	433	2	52	3.54	.039	31	23	1.08	523	.01	2	.58	.01	.05	1	730	3100
021652 DR	2	17	42	127	.2	11	9	1064	3.66	515	5	ND	9	132	.3	159	2	54	2.51	.026	25	24	.91	436	.01	2	.52	.01	.03	1	310	5500
021653 DR	1	18	27	113	.9	13	9	1176	3.70	2663	5	3	9	218	.9	81	2	48	2.19	.024	23	23	.92	234	.01	2	.54	.01	.07	3	2810	7400
021654 DR	2	19	37	132	.4	14	11	1015	3.61	1719	5	3	11	170	.2	788	2	58	1.80	.042	27	25	.76	465	.01	2	.58	.01	.04	1	3800	4600
021655 DR	2	14	32	87	.2	12	9	774	3.28	916	5	ND	7	225	.2	47	2	30	2.66	.044	19	15	.90	334	.01	2	.55	.01	.08	2	670	5100
021656 DR	1	8	23	61	.2	11	10	739	3.36	132	5	ND	7	180	.2	42	2	32	2.82	.043	15	13	.97	445	.01	3	.57	.01	.09	1	98	2900
021657 DR	6	21	74	147	.8	7	11	1536	5.75	1244	5	ND	46	224	.4	49	2	32	2.54	.043	50	13	1.02	99	.01	2	.73	.01	.08	1	740	5100
021658 DR	2	13	53	148	.5	8	9	996	3.64	1179	5	ND	13	240	.9	48	2	25	2.80	.029	23	14	1.01	338	.01	6	.64	.01	.14	1	940	2500
021659 DR	1	8	32	122	.3	6	9	815	3.24	562	5	ND	7	338	.9	25	2	18	3.55	.049	19	10	1.11	603	.01	7	.57	.01	.14	1	210	1200
021660 DR	1	10	26	84	.2	10	9	808	3.27	407	5	ND	7	285	.2	35	2	21	3.20	.046	18	14	1.07	462	.01	5	.57	.01	.14	1	220	2000
021661 DR	1	10	32	115	.2	7	8	866	3.40	662	5	ND	9	229	.6	35	2	26	2.82	.047	17	11	1.08	489	.01	5	.65	.01	.14	1	220	2600
021662 DR	1	7	29	106	.1	8	9	810	3.37	108	5	ND	10	196	.6	36	2	27	2.95	.044	23	15	1.16	837	.01	3	.60	.01	.12	1	73	1600
021663 DR	2	10	20	92	.2	14	8	892	2.97	127	5	ND	6	376	.9	32	2	21	4.18	.036	14	9	1.32	330	.01	4	.50	.01	.11	1	56	2400
021664 DR	2	9	42	125	.2	9	9	908	3.65	146	5	ND	7	250	.2	39	2	29	2.83	.050	23	15	1.05	892	.01	2	.56	.01	.10	2	96	1200
021665 DR	1	10	32	113	.3	10	9	951	3.17	147	5	ND	8	354	.2	33	2	24	3.49	.056	23	13	1.19	468	.01	3	.52	.01	.12	1	68	2500
021666 DR	7	35	16	268	.4	81	14	295	2.82	97	5	ND	5	138	1.5	23	2	47	.56	.044	24	13	.48	92	.01	6	.55	.01	.21	1	11	1400
021667 DR	9	41	16	357	.3	86	15	263	3.13	152	5	ND	4	162	2.1	18	2	43	.68	.024	22	9	.55	58	.01	7	.53	.01	.22	1	28	1800
021668 DR	2	23	35	83	.1	14	4	81	1.82	173	5	ND	9	106	.2	33	2	26	.14	.055	37	13	.07	1101	.01	5	.65	.01	.11	1	22	2700
021669 DR	2	20	31	230	.3	24	12	283	3.07	261	5	ND	10	104	.8	32	2	31	.12	.055	40	15	.07	1183	.01	3	.80	.01	.13	1	91	1700
021670 DR	2	21	31	433	.2	32	21	507	4.83	592	5	ND	9	108	1.0	168	2	26	.06	.056	41	13	.03	1205	.01	3	.59	.01	.09	1	99	840
021671 DR	2	23	89	255	.9	40	20	623	3.31	668	5	ND	8	122	1.6	71	2	18	.13	.058	39	11	.04	1313	.01	2	.62	.01	.11	1	180	1900
021672 DR	2	20	45	256	.1	29	16	763	3.18	177	5	ND	11	95	1.3	35	2	31	.05	.043	37	15	.04	902	.01	3	.61	.01	.10	1	36	4900
021673 DR	3	21	53	298	.1	25	16	870	3.02	64	5	ND	14	160	.2	29	2	58	.09	.081	35	21	.03	1292	.01	3	.67	.01	.07	1	14	2000
021674 DR	2	20	36	237	.1	28	15	663	3.09	74	5	ND	12	115	.2	56	2	21	.10	.075	42	10	.04	973	.01	2	.59	.01	.12	1	14	1900
021675 DR	6	27	86	194	.8	29	6	135	2.87	720	5	ND	8	114	.3	41	2	31	.06	.052	33	8	.04	1125	.01	5	.52	.01	.15	1	190	750
021676 DR	3	26	186	210	1.8	22	9	449	3.52	1095	5	ND	10	128	.5	115	2	22	.43	.082	29	11	.15	608	.01	2	.47	.01	.12	1	390	10200
021677 DR	2	18	85	184	1.3	17	10	688	3.04	1457	5	ND	8	158	1.3	81	3	25	.82	.038	20	12	.29	403	.01	3	.52	.01	.09	1	710	6800
021678 DR	5	32	30	160	.5	52	17	534	3.78	785	5	ND	5	152	.7	92	2	28	1.01	.029	21	14	.38	75	.01	3	.48	.01	.14	1	140	3300
021679 DR	3	15	28	184	.1	20	14	905	3.68	187	5	ND	12	169	.2	31	2	47	1.77	.062	33	22	.45	759	.01	2	.55	.01	.08	1	33	2800
021680 DR	3	17	24	160	.1	19	12	773	3.04	81	5	ND	15	107	.3	21	2	61	1.59	.105	54	26	.39	438	.01	2	.67	.01	.08	1	10	2700
021681 DR	2	15	29	121	.1	22	11	414	3.45	57	5	ND	14	75	.5	38	2	66	1.03	.100	38	30	.86	937	.09	2	1.82	.02	.30	1	10	800
021682 DR	2	18	24	101	.2	13	10	667	3.17	245	5	ND	15	157	.2	25	2	62	1.89	.100	54	30	.75	460	.01	2	.70	.01	.10	1	420	2500
STANDARD C/AU-R	17	57	37	130	6.9	72	31	1049	3.99	42	16	7	37	52	18.5	16	21	56	.45	.098	38	60	.91	182	.07	32	1.91	.06	.13	11	480	1500

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SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	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	HG ppb
021683 DR	3	14	17	86	.6	15	9	843	2.86	1882	5	6	13	345	.2	25	2	52	2.82	.072	40	19	1.09	419	.01	2	.60	.01	.10	1	8090	1800
021684 DR	3	14	24	105	.3	15	9	759	2.80	842	5	ND	13	288	.2	39	2	48	2.80	.082	38	18	1.05	401	.01	2	.65	.01	.09	1	2620	2200
021685 DR	2	15	33	145	.2	18	12	796	3.14	261	5	ND	15	129	.4	88	2	62	2.00	.097	49	24	.81	490	.02	2	.75	.01	.11	1	500	2400
021686 DR	2	22	48	167	1.4	17	11	1208	3.44	3907	5	12	10	250	.7	5837	2	48	3.93	.046	31	18	1.45	227	.01	3	.51	.01	.07	1	13700	2900
021687 DR	2	22	48	197	1.1	13	9	1259	3.38	2934	5	10	12	261	.6	5730	2	55	4.05	.052	33	17	1.51	320	.01	2	.48	.01	.05	1	12800	2600
021688 DR	2	20	38	161	.7	16	11	987	3.28	1461	5	4	14	213	.2	2283	2	52	3.44	.049	37	20	1.26	437	.01	2	.61	.01	.05	1	4780	2200
021689 DR	2	18	36	169	.7	18	13	1030	3.40	1118	5	2	13	185	.4	1111	2	53	3.00	.043	32	21	1.16	548	.01	2	.61	.01	.06	1	2890	2700
021690 DR	2	13	33	118	.6	15	10	929	3.30	1298	5	ND	11	271	.7	180	2	30	3.55	.049	19	10	1.21	168	.01	5	.53	.01	.11	1	1310	1900
021691 DR	2	16	31	129	.4	16	11	941	3.14	1008	5	2	12	173	.2	244	2	55	2.98	.031	26	21	1.16	604	.01	2	.61	.01	.04	1	2510	1800
021692 DR	2	10	44	124	.8	14	9	871	3.17	2342	5	ND	9	269	.4	148	2	22	3.35	.049	16	8	1.16	181	.01	7	.67	.01	.15	1	1710	1800
021693 DR	8	31	26	290	.3	88	20	386	3.59	101	5	ND	14	130	2.4	73	2	42	.44	.079	55	21	.13	715	.01	5	.70	.01	.20	1	110	320
021694 DR	4	37	28	361	.1	102	26	786	4.41	52	5	ND	25	129	2.6	45	2	25	.42	.108	74	18	.12	416	.01	7	.65	.01	.15	1	44	240
021695 DR	4	47	21	394	.2	117	30	908	4.96	49	5	ND	24	128	4.5	36	3	76	.66	.159	75	51	.55	716	.09	5	1.19	.02	.36	1	39	120
021696 DR	4	55	26	437	.2	141	38	890	5.58	129	5	ND	24	120	4.3	36	3	132	.75	.194	69	94	1.26	1250	.30	4	1.88	.03	.74	1	91	220
021697 DR	3	25	46	255	.5	52	17	701	3.44	65	5	ND	13	92	1.0	37	2	31	.67	.103	33	17	.40	374	.01	6	1.00	.03	.26	1	7	100
021698 DR	3	13	49	231	.6	40	7	172	3.03	80	5	ND	12	84	1.1	50	4	18	.18	.077	39	11	.12	580	.01	5	.66	.02	.21	1	5	110
021699 DR	4	27	44	172	.3	24	13	764	3.95	178	5	ND	33	134	.2	14	8	56	1.09	.086	57	24	.80	292	.14	5	1.11	.04	.59	1	25	100
021700 DR	7	25	96	219	.4	13	13	1133	5.58	49	11	ND	94	256	.8	22	6	45	.84	.084	145	5	.55	495	.22	8	.99	.04	.75	1	8	90
021701 DR	4	20	25	129	.7	32	14	718	3.67	179	6	ND	25	135	.5	37	2	48	1.05	.097	48	27	.61	339	.07	6	1.00	.03	.39	1	50	110
021702 DR	4	18	50	198	.7	24	15	844	4.40	354	5	ND	36	113	.2	28	3	34	.50	.101	64	13	.25	500	.01	6	.67	.01	.17	1	67	3400
021703 DR	3	19	25	165	1.0	27	15	1100	4.25	646	6	ND	25	132	.4	31	2	39	.93	.093	47	21	.38	463	.02	5	.60	.01	.18	1	410	2100
021704 DR	3	21	22	181	1.4	29	17	1012	3.72	2734	6	2	13	98	.8	42	2	22	.43	.082	36	14	.09	557	.01	5	.50	.01	.16	1	1530	5200
021705 DR	3	22	16	134	1.5	35	13	939	3.46	3905	5	3	9	210	.5	48	3	15	1.15	.081	26	10	.42	197	.01	8	.46	.01	.19	1	2730	3900
021706 DR	3	18	45	160	.4	28	13	739	3.47	492	5	ND	12	147	.2	82	2	24	1.36	.097	28	13	.53	197	.01	8	.91	.01	.22	1	110	730
021707 DR	3	22	67	294	.6	27	13	693	3.64	275	5	ND	12	193	1.5	138	2	36	1.98	.092	27	20	.81	188	.02	8	1.04	.02	.23	1	75	1000
021708 DR	3	22	42	506	.5	17	12	670	3.93	387	5	ND	10	198	4.1	43	2	56	2.22	.049	23	23	.89	532	.01	3	.74	.01	.07	1	36	2700
021709 DR	2	19	40	450	.4	15	10	643	3.33	263	5	ND	8	227	3.9	40	2	32	2.72	.045	17	13	.95	210	.01	5	.54	.01	.12	1	52	2300
021710 DR	2	18	35	419	.7	15	10	812	3.32	121	5	ND	12	177	3.1	23	2	60	1.80	.087	29	21	.90	606	.02	4	.75	.01	.14	1	28	1200
021711 DR	2	18	140	310	1.1	13	10	861	3.45	67	5	ND	11	193	1.7	30	2	59	3.54	.102	27	21	1.62	290	.04	6	.83	.01	.21	1	17	1000
021712 DR	2	15	47	132	.1	13	9	641	2.93	59	5	ND	10	151	.5	25	2	49	2.39	.085	25	23	1.07	471	.04	2	1.21	.03	.23	1	10	170
021713 DR	3	21	32	134	.1	28	14	600	3.50	69	5	ND	9	123	.4	53	2	63	2.25	.094	27	34	.94	300	.05	4	1.65	.02	.28	1	8	130
021714 DR	3	21	18	147	.1	40	13	594	3.12	36	5	ND	10	171	.8	26	2	71	2.20	.098	29	33	1.10	205	.06	5	1.35	.03	.28	1	6	120
021715 DR	2	21	23	103	.1	15	9	557	2.87	27	5	ND	12	117	.4	6	2	82	1.94	.097	33	37	1.20	973	.17	2	1.63	.05	.46	1	7	60
021716 DR	3	18	17	100	.1	20	10	553	3.06	34	5	ND	13	180	.6	10	2	76	2.50	.105	34	37	1.23	433	.07	3	1.65	.04	.28	1	4	50
021717 DR	2	22	44	150	.3	18	11	907	3.58	254	5	ND	16	101	.5	43	2	60	1.04	.091	39	24	.37	854	.03	3	.99	.01	.14	1	100	3900
021718 DR	3	22	49	173	.4	17	12	1072	3.96	280	5	ND	13	99	.6	33	2	54	.28	.040	25	21	.16	743	.01	5	.68	.01	.04	1	170	6300
STANDARD C/AU-R	19	61	40	133	7.3	72	32	1053	3.97	42	18	7	39	52	19.0	15	18	57	.46	.097	39	58	.89	183	.07	38	1.89	.06	.13	11	530	1600

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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	HG ppb
021719 DR	3	19	33	141	.8	14	11	988	4.23	321	5	ND	13	69	.4	35	2	57	.18	.023	21	22	.13	460	.01	2	.60	.01	.03	2	220	3900
021720 DR	2	25	295	468	1.9	13	10	795	3.73	333	5	ND	9	134	3.7	35	4	33	1.26	.016	14	13	.28	278	.01	3	.58	.01	.09	1	30	3600
021721 DR	2	19	191	368	1.6	15	12	909	3.49	394	5	ND	12	147	3.2	49	2	28	1.89	.057	18	8	.35	468	.01	2	.54	.01	.09	1	130	4000
021722 DR	2	10	80	135	1.2	11	10	828	3.41	111	5	ND	13	97	.6	32	3	42	.79	.045	26	13	.14	755	.01	5	.66	.01	.08	1	37	2700
021723 DR	2	10	50	128	.6	13	11	974	3.47	256	5	ND	10	131	.3	25	3	37	1.11	.031	20	12	.25	628	.01	5	.60	.01	.09	1	30	2800
021724 DR	2	11	39	219	.3	10	9	956	3.28	402	5	ND	8	165	1.4	19	2	29	1.84	.029	15	10	.58	510	.01	5	.55	.01	.11	1	69	2200
021725 DR	2	9	31	134	.4	9	8	956	3.28	3849	5	ND	7	215	.6	25	2	16	2.27	.026	12	6	.78	116	.01	8	.49	.01	.12	1	990	2400
021726 DR	2	10	44	140	.2	7	9	1097	3.43	296	5	ND	10	110	.6	24	2	35	1.85	.025	18	9	.72	532	.01	8	.57	.01	.10	1	41	1700
021727 DR	2	10	44	127	.2	10	10	1246	3.41	203	5	ND	10	136	.4	24	2	32	1.73	.045	20	9	.55	738	.01	3	.55	.01	.09	1	7	2700
021728 DR	2	12	28	139	.1	12	11	965	3.55	100	5	ND	11	119	.2	15	2	33	2.37	.072	22	8	.89	599	.01	7	.74	.01	.11	1	8	1800
021729 DR	3	32	15	294	.1	56	17	500	3.63	89	5	ND	6	112	2.2	17	2	36	.85	.036	27	9	.65	155	.01	8	.56	.01	.18	1	9	820
021730 DR	8	38	16	331	.1	77	14	258	2.74	78	5	ND	3	176	1.6	16	2	37	.91	.047	18	8	.43	79	.01	7	.49	.01	.17	1	2	560
021731 DR	14	46	12	464	.7	60	8	259	1.85	73	5	ND	4	297	5.4	15	2	104	2.85	.181	9	29	.68	125	.01	8	.65	.01	.15	1	5	520
021732 DR	25	82	15	819	1.1	93	9	200	2.01	90	5	ND	1	259	9.6	16	2	174	.82	.192	6	44	.22	107	.01	10	.72	.01	.15	2	8	630
021733 DR	6	41	18	263	.1	64	15	469	3.05	81	5	ND	6	264	1.0	14	2	50	2.01	.058	25	24	1.00	135	.01	8	.56	.01	.19	1	15	470
021734 DR	6	41	19	328	.2	69	16	306	3.47	38	5	ND	5	151	1.6	13	3	39	.77	.044	26	11	.73	126	.01	7	.57	.02	.21	1	6	210
021735 DR	6	42	17	356	.1	72	15	217	3.25	39	5	ND	5	151	2.0	12	2	36	.59	.039	24	8	.61	123	.01	7	.51	.01	.18	1	2	310
021736 DR	3	21	50	150	.1	19	12	818	3.20	138	5	ND	12	57	.4	33	2	49	.03	.023	20	18	.03	477	.01	2	.66	.01	.03	1	14	5500
021737 DR	3	21	48	137	.3	18	12	955	3.22	473	5	ND	11	69	.2	42	3	51	.04	.025	20	19	.03	526	.01	2	.64	.01	.03	2	240	5300
021738 DR	3	19	37	145	.1	20	13	973	4.28	622	5	ND	10	63	.2	67	2	61	.03	.023	23	22	.03	481	.01	3	.56	.01	.04	2	510	5600
021739 DR	3	19	44	143	.1	20	12	976	3.89	832	5	ND	11	51	.4	70	2	54	.04	.019	28	19	.03	418	.01	5	.49	.01	.05	2	480	4800
021740 DR	3	22	40	135	.1	17	13	1137	3.89	105	5	ND	12	77	.2	27	5	62	.07	.025	22	25	.07	556	.01	3	.71	.01	.02	1	36	6900
021741 DR	2	20	38	148	.2	16	12	1037	3.59	70	5	ND	15	103	.3	24	4	69	.33	.040	31	26	.07	865	.01	2	.58	.01	.02	1	23	7100
021742 DR	3	20	42	187	.1	16	11	1250	4.04	202	5	ND	12	77	.6	23	2	57	.06	.025	25	20	.07	497	.01	2	.55	.01	.03	1	65	3300
021743 DR	3	24	76	213	.1	17	13	1438	4.21	869	5	ND	13	81	1.3	42	2	48	.20	.036	26	18	.14	550	.01	4	.51	.01	.06	1	310	5600
021744 DR	2	17	28	75	.5	17	10	1035	3.46	177	5	ND	9	206	.3	18	2	15	2.36	.038	17	4	.56	252	.01	6	.55	.01	.13	1	23	3000
021745 DR	3	25	57	166	.4	38	12	1693	3.14	907	5	ND	9	131	1.1	26	2	19	.86	.049	22	3	.22	532	.01	7	.53	.01	.15	1	220	1900
021746 DR	4	32	78	145	.9	23	10	928	3.22	502	8	ND	10	91	.9	26	5	30	.55	.028	23	6	.16	508	.01	8	.51	.01	.13	1	72	3100
021747 DR	2	16	31	74	1.0	11	10	1161	3.31	173	5	ND	14	181	.4	18	2	20	3.29	.054	21	5	.38	754	.01	7	.57	.01	.13	1	24	3400
021748 DR	2	9	33	92	.1	11	11	860	3.70	69	5	ND	10	126	.3	17	3	46	2.03	.044	22	11	.47	869	.01	3	.64	.01	.08	1	14	2000
021749 DR	2	11	39	83	.7	15	12	690	3.22	211	9	ND	14	119	.2	40	2	49	1.29	.053	25	12	.42	887	.01	3	.58	.01	.08	1	30	2400
021750 DR	3	22	50	108	.9	26	15	925	3.51	521	5	ND	15	96	.3	68	4	34	.75	.080	32	10	.26	640	.01	9	.63	.01	.11	1	47	4300
021751 DR	3	16	31	77	.6	15	12	618	4.25	134	5	ND	14	106	.2	30	4	43	1.00	.068	25	15	.44	575	.01	4	.56	.01	.09	1	16	2900
021752 DR	3	15	30	96	.4	22	13	938	4.09	271	5	ND	14	67	.2	51	2	47	1.04	.091	31	16	.39	340	.01	5	.59	.01	.11	1	44	2700
021753 DR	3	14	29	99	.3	14	10	662	3.39	70	5	ND	14	83	.2	24	2	51	1.86	.099	32	14	.73	284	.01	2	.81	.01	.13	1	5	910
021754 DR	4	10	29	91	.4	15	11	568	3.37	257	5	ND	11	127	.3	47	2	33	1.59	.060	21	11	.62	686	.01	3	.54	.01	.11	1	10	2600
STANDARD C/AU-R	19	58	40	133	7.1	72	32	1054	3.98	43	16	7	40	56	19.2	16	21	56	.46	.096	39	57	.90	183	.07	34	1.89	.06	.13	11	550	1600

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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	HG ppb
021755 DR	3	10	18	72	.2	10	10	585	4.27	79	5	ND	15	126	.4	23	2	36	1.48	.052	20	10	.80	272	.01	2	.60	.01	.10	1	9	2100
021756 DR	2	12	25	99	.3	10	9	645	3.34	80	5	ND	14	180	.4	20	4	24	2.45	.084	17	5	.85	167	.01	5	.58	.01	.13	1	4	1900
021757 DR	8	36	27	140	.1	79	11	394	2.45	110	5	ND	9	197	.5	20	3	202	1.39	.060	21	8	.58	112	.01	6	.52	.01	.15	1	4	1100
021758 DR	6	40	29	364	.5	70	15	436	3.17	51	5	ND	11	165	2.4	18	4	36	.70	.034	22	5	.56	78	.01	8	.47	.01	.17	2	6	590
021759 DR	8	44	19	345	.4	82	16	210	3.10	24	5	ND	10	104	1.5	10	2	36	.36	.028	26	5	.50	87	.01	7	.48	.01	.18	1	7	230
021760 DR	4	36	18	271	.4	68	17	266	3.49	20	5	ND	11	95	.9	9	3	25	.34	.017	28	4	.69	147	.01	6	.45	.01	.19	1	5	220
021761 DR	9	15	23	64	.7	14	4	65	2.33	79	5	ND	11	87	.2	23	3	44	.04	.037	27	7	.05	1029	.01	7	.51	.01	.19	2	13	1200
021762 DR	2	48	256	311	1.0	52	16	1473	3.83	83	5	ND	19	91	2.0	162	7	12	.96	.085	36	3	.19	435	.01	7	.66	.01	.17	2	10	1500
021763 DR	3	19	49	99	.4	22	10	879	2.76	140	5	ND	15	198	.6	61	2	19	2.08	.062	27	3	.52	745	.01	5	.60	.01	.13	2	3	3500
021764 DR	3	13	30	97	.3	44	13	674	3.22	58	5	ND	14	169	.3	39	2	10	1.59	.087	25	5	.52	174	.01	3	.47	.01	.16	2	9	510
021765 DR	2	12	24	88	.6	20	11	1115	3.41	65	5	ND	18	101	.2	30	4	31	1.32	.092	34	10	.38	246	.01	5	.53	.01	.14	2	7	570
021766 DR	2	12	20	70	.4	12	9	670	3.39	186	5	ND	16	138	.2	18	2	38	2.07	.091	32	12	.57	197	.01	5	.48	.01	.10	1	48	720
021767 DR	2	14	23	99	.7	11	9	589	2.90	624	5	ND	17	148	.2	20	4	28	2.01	.092	30	9	.58	194	.01	4	.53	.01	.12	1	160	430
021768 DR	2	11	34	143	.6	15	10	627	3.12	132	5	ND	16	172	.6	23	2	47	2.13	.083	32	15	.70	644	.01	2	.60	.01	.10	1	31	1900
021769 DR	2	8	19	104	.5	10	9	540	3.11	62	5	ND	17	138	.2	20	3	39	1.91	.081	33	9	.62	505	.01	2	.53	.01	.11	1	5	1100
021770 DR	3	11	29	105	.8	11	9	661	3.43	50	14	ND	17	107	.3	20	5	39	2.18	.088	33	13	.66	305	.01	5	.56	.01	.13	3	5	750
021771 DR	4	10	39	151	.8	24	12	596	3.40	56	5	ND	19	124	.7	26	2	48	1.55	.087	34	14	.56	363	.01	3	1.09	.02	.14	1	10	270
021772 DR	3	12	33	133	.5	18	11	572	3.66	68	5	ND	16	135	.4	21	2	58	1.50	.093	30	21	.84	267	.02	3	1.50	.03	.15	1	8	110
021773 DR	7	28	21	124	.6	33	9	275	2.41	44	5	ND	11	119	.4	22	3	58	.68	.073	23	12	.36	351	.01	7	.92	.01	.17	1	8	260
021774 DR	7	38	21	330	.6	71	15	218	3.32	30	5	ND	9	129	2.3	11	2	40	.46	.032	23	7	.52	63	.01	6	.50	.01	.17	1	4	380
021775 DR	10	35	14	278	.5	71	11	125	2.32	24	5	ND	6	180	1.5	9	4	32	.64	.039	16	5	.47	74	.01	7	.40	.01	.14	1	3	390
021776 DR	15	43	11	406	.9	76	8	65	1.95	27	5	ND	6	146	3.8	10	2	67	.40	.096	8	8	.21	58	.01	9	.47	.01	.14	1	5	460
021777 DR	8	40	15	239	.5	69	13	201	3.08	32	5	ND	7	164	1.3	10	2	40	.87	.056	16	7	.72	64	.01	7	.50	.01	.17	1	1	530
021778 DR	8	44	14	333	.5	72	13	180	3.00	139	5	ND	6	171	2.0	12	4	39	.70	.029	17	6	.67	65	.01	6	.46	.01	.17	1	5	550
021779 DR	10	41	16	296	.7	74	11	164	2.36	76	5	ND	8	244	1.7	11	5	45	.82	.028	20	7	.57	67	.01	8	.48	.01	.17	2	5	360
021780 DR	2	18	27	140	.7	20	12	1118	3.40	547	5	ND	14	85	.3	108	3	27	.40	.026	34	14	.05	520	.01	4	.58	.01	.11	2	73	2500
021781 DR	3	37	34	157	.6	32	14	930	3.37	819	15	ND	11	85	.5	145	7	29	.64	.026	30	13	.04	598	.01	3	.52	.01	.12	3	82	2900
021782 DR	4	26	22	188	.4	52	14	912	3.32	186	13	ND	9	68	.8	28	3	28	.95	.025	30	13	.05	601	.01	5	.53	.01	.12	2	35	1900
021783 DR	3	19	33	109	.8	21	11	861	3.09	633	5	ND	12	82	.4	28	2	23	2.91	.025	28	11	.06	505	.01	5	.48	.01	.11	1	120	2800
021784 DR	4	21	44	131	.8	43	13	1247	3.64	1222	10	ND	11	62	.6	40	4	90	.43	.023	32	7	.04	502	.01	4	.50	.01	.11	1	250	3500
021785 DR	2	20	34	122	.2	17	11	885	3.05	455	5	ND	10	72	.4	44	3	50	.45	.021	19	16	.03	467	.01	2	.56	.01	.03	1	480	4400
021786 DR	3	19	39	126	.1	20	11	955	3.69	904	5	ND	8	89	.2	2421	5	57	.60	.019	21	19	.06	401	.01	2	.52	.01	.03	2	780	5000
021787 DR	3	21	45	225	.1	15	11	933	3.34	749	5	ND	10	81	1.5	315	4	58	.29	.022	23	20	.09	466	.01	2	.66	.01	.03	2	1010	7100
021788 DR	3	19	29	113	.1	14	11	1087	3.80	1274	5	2	10	90	.2	77	3	55	.55	.022	24	18	.16	461	.01	5	.56	.01	.03	2	3130	4900
021789 DR	2	19	39	114	.1	14	9	1105	3.06	1345	5	ND	10	118	.2	59	3	50	1.52	.021	20	18	.18	422	.01	4	.52	.01	.05	1	770	6800
021790 DR	3	19	34	116	.1	18	11	1166	3.23	963	5	ND	6	109	.2	70	2	56	.84	.025	19	19	.14	527	.01	3	.61	.01	.02	1	870	7000
STANDARD C/AU-R	19	60	38	133	6.9	73	32	1052	3.97	40	17	7	39	56	18.8	15	19	57	.45	.095	39	57	.89	183	.07	32	1.88	.06	.14	13	510	1600

BERC 90-287

BERC 90-288

BERC 90-289 +

NOV 06 '90 15:55

394 745

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	HG ppb
021791 DR	4	20	57	154	.4	20	12	1155	3.91	614	5	ND	9	105	.8	52	2	58	.61	.024	22	23	.17	514	.01	3	.76	.01	.03	2	590	7700
021792 DR	4	17	36	137	.1	23	13	940	3.78	495	5	ND	6	85	.5	49	2	53	.40	.021	19	18	.08	481	.01	2	.70	.01	.03	1	260	7500
021793 DR	7	18	41	116	.1	18	11	1106	4.39	289	5	ND	8	79	.3	65	2	60	.43	.022	19	23	.11	429	.01	2	.68	.01	.04	1	18	2800
021794 DR	4	15	40	118	.1	12	9	1003	3.34	127	5	ND	5	81	.2	27	6	53	.60	.021	15	18	.26	443	.01	2	.66	.01	.04	1	5	2500
021795 DR	6	28	23	77	.4	13	11	686	3.80	341	5	ND	5	87	.5	47	2	34	1.43	.026	17	13	.54	558	.01	5	.64	.01	.13	1	18	3100
021796 DR	3	8	31	91	.2	10	8	686	3.52	117	5	ND	9	107	.4	20	2	54	1.58	.040	26	12	.74	906	.01	3	.70	.01	.06	1	5	1300
021797 DR	3	19	31	84	.6	10	9	576	3.49	355	5	ND	10	120	.2	39	3	43	2.17	.050	22	13	.91	666	.01	4	.64	.01	.10	1	18	1500
021798 DR	2	27	25	65	.4	9	9	469	3.83	585	5	ND	8	116	.2	22	8	23	2.55	.078	14	6	1.02	180	.01	2	.66	.01	.18	1	21	2400
021799 DR	2	23	54	78	1.1	10	9	623	4.04	293	5	ND	6	123	.2	45	5	22	2.08	.033	11	9	.87	127	.01	4	.61	.01	.17	1	31	3900
021800 DR	2	24	45	58	1.8	8	9	633	4.14	174	5	ND	7	122	.3	29	2	16	1.79	.024	9	4	.81	161	.01	5	.48	.01	.15	1	4	3500
021801 DR	2	21	70	98	1.4	8	8	634	3.80	137	5	ND	6	147	.6	36	7	12	2.58	.040	9	4	.97	146	.01	8	.57	.01	.19	1	8	2700
021802 DR	5	28	67	205	1.3	53	12	437	3.48	189	5	ND	5	128	1.1	46	2	31	1.70	.029	9	6	.92	121	.01	4	.49	.01	.15	1	18	1300
021803 DR	6	36	22	305	.4	68	14	253	2.77	82	5	ND	3	143	2.0	17	2	39	.67	.021	20	9	.60	168	.01	6	.53	.01	.20	1	7	590
021804 DR	5	34	16	196	.6	72	16	225	3.52	63	5	ND	6	148	.7	12	2	26	.56	.023	23	4	.66	110	.01	7	.45	.01	.19	1	12	280
021805 DR	9	25	34	218	1.6	34	4	69	2.43	3019	5	5	10	95	4.5	52	2	41	.05	.041	32	21	.02	755	.01	5	.58	.01	.08	1	6660	3400
021806 DR	5	20	30	116	2.2	23	2	40	1.76	4251	5	11	8	76	2.0	44	2	27	.05	.027	29	8	.02	746	.01	5	.49	.01	.08	1	12070	5700
021807 DR	5	21	29	194	1.7	30	3	29	2.24	5552	5	6	8	80	2.0	41	2	29	.04	.028	30	17	.01	910	.01	5	.63	.01	.08	1	7570	4400
021808 DR	4	20	43	170	1.2	34	4	31	2.41	4660	5	3	10	78	3.2	48	2	45	.05	.026	24	16	.01	775	.01	2	.69	.01	.08	1	4270	11000
021809 DR	12	39	24	528	.7	89	7	59	4.66	2529	5	ND	7	87	2.3	58	2	48	.05	.037	30	16	.02	767	.01	3	.85	.01	.08	1	2500	5300
021810 DR	8	16	26	316	.5	47	4	43	3.04	1637	5	ND	8	57	.9	25	2	28	.06	.032	38	9	.02	582	.01	6	.53	.01	.07	1	870	4700
021811 DR	9	16	20	331	.7	50	6	55	3.71	2120	5	ND	10	66	.2	33	5	29	.05	.029	39	16	.01	644	.01	6	.59	.01	.07	1	850	3300
021812 DR	12	30	38	941	.3	123	8	67	4.94	1310	5	ND	11	55	2.0	33	2	50	.04	.043	24	19	.01	583	.01	4	.81	.01	.06	2	310	5200
021813 DR	14	25	48	1483	.1	115	14	849	4.34	744	5	ND	9	55	2.9	18	2	49	.04	.049	27	21	.01	545	.01	2	.70	.01	.08	2	260	7100
021814 DR	13	20	54	1126	.2	72	9	244	4.26	1498	5	ND	9	59	4.6	22	2	56	.04	.048	22	18	.01	587	.01	4	.65	.01	.06	2	1970	8900
021815 DR	12	19	61	951	.1	72	11	544	3.17	877	5	ND	11	61	9.0	17	2	60	.04	.057	26	22	.01	616	.01	5	.68	.01	.07	1	540	7200
021816 DR	14	18	41	731	.1	62	10	545	3.10	1213	5	ND	11	58	7.3	24	3	60	.06	.058	27	14	.02	586	.01	5	.59	.01	.11	2	1280	4900
021817 DR	22	20	34	1840	.1	146	29	1849	4.10	835	5	ND	10	49	12.6	19	2	61	.04	.070	30	19	.03	616	.01	6	.64	.01	.09	2	220	6600
021818 DR	18	22	39	1470	.1	100	20	966	3.32	692	5	ND	8	53	6.6	17	2	59	.04	.059	25	15	.02	545	.01	4	.60	.01	.09	1	92	5100
021819 DR	11	13	23	295	.1	22	3	117	1.31	245	5	ND	2	90	2.2	10	2	67	.06	.049	17	13	.02	1172	.01	8	.53	.01	.14	1	55	4500
021820 DR	6	12	18	108	.2	16	3	55	.45	63	5	ND	2	96	1.3	4	2	60	.08	.041	21	9	.03	1468	.01	11	.50	.01	.16	1	16	3600
021821 DR	4	13	15	43	.1	15	2	8	.24	23	5	ND	2	104	.7	3	2	58	.08	.044	21	10	.04	1802	.01	16	.63	.01	.18	1	25	4100
021822 DR	3	12	16	49	.3	12	2	18	.19	27	5	ND	3	96	.8	3	4	57	.08	.042	22	8	.04	1646	.01	12	.51	.01	.14	1	7	4300
021823 DR	3	28	18	41	.3	13	1	10	.14	20	5	ND	5	76	.7	6	2	69	.07	.034	18	13	.04	1645	.01	13	.54	.01	.15	1	4	4100
021824 DR	6	93	13	39	2.0	15	2	19	.29	18	7	ND	2	109	1.6	5	2	140	.03	.051	10	20	.02	1638	.01	10	.40	.01	.09	1	5	4200
021825 DR	8	82	27	38	1.3	15	2	9	.43	31	7	ND	8	75	.5	10	2	79	.04	.041	20	28	.03	1232	.01	13	.46	.01	.14	1	4	3300
021826 DR	11	108	20	54	1.6	17	1	17	.47	24	5	ND	1	78	1.1	4	2	129	.05	.045	20	22	.03	973	.01	15	.43	.01	.15	1	3	3800
STANDARD C/AU-R	19	58	38	132	7.5	72	32	1048	3.95	44	19	7	40	55	18.9	15	19	56	.45	.095	38	56	.89	182	.07	32	1.86	.06	.13	11	530	1500

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233 210

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	Hg ppb
021827 DR	8	20	26	534	.1	50	9	213	3.31	525	5	ND	11	106	.8	25	2	29	.03	.062	32	10	.02	988	.01	2	.69	.01	.10	1	100	4600
021828 DR	10	19	28	558	.1	55	9	210	3.76	841	5	ND	12	93	1.3	26	2	29	.04	.050	31	11	.02	869	.01	4	.67	.01	.09	1	120	5100
021829 DR	5	17	44	591	.4	52	14	524	3.86	513	5	ND	15	86	2.0	21	2	53	.06	.059	35	19	.01	896	.01	3	.73	.01	.06	1	240	10000
021830 DR	5	20	37	782	.1	69	15	488	4.17	288	5	ND	17	37	2.3	10	2	70	.21	.101	50	24	.07	1035	.01	5	.77	.01	.11	1	78	4300
021831 DR	10	23	48	808	.8	76	15	625	4.53	699	5	ND	19	83	5.1	34	2	56	.10	.068	43	20	.05	949	.01	2	.80	.01	.08	1	990	5500
021832 DR	12	21	38	686	.6	73	14	333	4.47	921	5	ND	16	106	4.6	40	4	55	.04	.045	29	21	.01	845	.01	4	.76	.01	.05	2	780	8900
021833 DR	11	20	38	555	.4	65	12	255	3.77	1108	5	ND	14	85	3.3	43	2	49	.04	.031	27	17	.01	726	.01	2	.67	.01	.06	2	1440	8600
021834 DR	20	20	60	702	1.6	86	10	207	4.90	1607	5	ND	14	71	2.9	61	2	43	.05	.032	31	14	.02	649	.01	3	.65	.01	.08	1	1360	13000
021835 DR	14	20	39	860	.8	92	13	221	4.44	991	5	ND	15	78	1.0	36	2	51	.04	.030	25	21	.01	616	.01	4	.71	.01	.06	2	1110	7200
021836 DR	15	18	29	879	.7	105	13	164	5.13	881	5	ND	16	80	.2	41	5	42	.04	.029	32	14	.02	634	.01	5	.72	.01	.07	2	720	7900
021837 DR	21	21	34	888	.4	128	12	116	5.39	937	5	ND	15	77	.2	41	3	41	.04	.031	30	16	.02	591	.01	7	.64	.01	.07	1	490	7000
021838 DR	53	24	76	1525	.4	218	13	98	8.31	1654	5	ND	10	60	1.6	99	3	50	.05	.050	25	15	.01	507	.01	5	.66	.01	.07	1	1010	7300
021839 DR	26	25	42	921	.8	92	11	759	4.54	1654	5	ND	12	87	3.8	48	2	48	.05	.056	28	15	.02	733	.01	6	.72	.01	.08	1	1780	8100
021840 DR	44	22	35	957	1.2	113	8	287	5.52	1680	5	ND	12	89	4.4	113	2	54	.06	.073	37	12	.02	521	.01	4	.62	.01	.09	1	1790	6900
021841 DR	19	16	33	695	1.4	62	6	234	4.04	2334	5	3	13	87	5.0	54	2	48	.05	.043	25	16	.02	539	.01	4	.53	.01	.07	2	3260	20000
021842 DR	15	20	36	781	1.9	73	12	524	3.81	2694	6	3	15	90	4.7	47	2	43	.05	.044	28	13	.02	581	.01	4	.60	.01	.08	3	2700	13000
021843 DR	13	18	22	697	1.2	51	14	772	3.56	3067	5	ND	12	75	5.8	34	2	34	.06	.045	31	12	.02	556	.01	6	.58	.01	.07	1	2380	3500
021844 DR	7	14	21	565	1.2	38	10	982	2.84	1206	5	ND	12	61	3.5	26	2	24	.04	.042	34	7	.02	491	.01	6	.50	.01	.08	1	1570	3300
021845 DR	9	14	25	465	1.2	27	4	116	2.43	1200	5	3	11	114	1.3	179	3	52	.05	.065	33	12	.02	879	.01	6	.53	.01	.10	1	2780	3400
021846 DR	7	12	19	260	2.2	23	4	59	2.40	2643	6	12	11	101	1.5	168	6	40	.07	.051	29	7	.02	732	.01	6	.46	.01	.14	1	10680	4000
021847 DR	10	21	13	290	.7	33	3	84	2.76	2225	5	2	3	142	4.0	55	2	54	.07	.052	20	9	.02	648	.01	8	.46	.01	.10	1	5560	6900
021848 DR	11	45	18	209	2.1	40	4	188	1.41	689	5	ND	9	264	4.6	30	2	109	.10	.101	21	20	.03	1756	.01	8	.61	.01	.14	1	580	7400
021849 DR	15	42	9	108	1.9	32	3	25	.59	115	5	ND	3	371	7.4	13	2	256	.12	.164	10	26	.03	2816	.01	10	.57	.01	.11	1	120	11400
021850 DR	12	56	17	121	1.9	29	3	18	.61	104	6	ND	1	462	5.9	7	3	155	.16	.266	10	31	.03	3770	.01	11	.85	.01	.12	2	93	6100
021851 DR	16	50	11	155	2.0	29	3	18	.65	100	5	ND	3	463	5.3	8	2	167	.16	.234	10	30	.03	3339	.01	9	.73	.01	.10	1	90	3600
021852 DR	9	20	40	749	.3	69	14	527	4.88	751	5	ND	17	99	1.6	30	11	58	.03	.048	32	21	.02	874	.01	2	.66	.01	.07	1	940	4100
021853 DR	8	18	39	725	.3	62	13	425	4.35	557	5	ND	17	62	1.0	26	2	61	.11	.054	34	22	.06	608	.01	2	.66	.01	.06	1	960	5200
021854 DR	6	20	47	552	.1	51	13	658	3.79	290	5	ND	14	77	1.0	28	2	66	.11	.057	32	24	.06	1138	.01	3	.69	.01	.05	1	99	7000
021855 DR	15	24	52	760	.1	91	14	545	4.40	823	5	ND	11	87	2.6	100	7	53	.05	.043	28	21	.03	1144	.01	2	.78	.01	.06	1	430	4600
021856 DR	12	21	51	895	.1	101	13	534	5.01	656	5	ND	15	65	1.7	74	2	66	.16	.072	39	24	.21	992	.04	2	1.15	.01	.15	1	83	4000
021857 DR	14	20	45	849	.1	103	15	611	4.59	670	5	ND	20	30	1.5	93	2	62	.24	.102	62	23	.13	626	.02	2	.82	.01	.13	1	260	4100
021858 DR	15	21	35	952	.3	104	19	419	4.70	602	5	ND	21	36	1.2	163	5	69	.20	.101	54	25	.03	572	.01	4	.67	.01	.08	1	44	3200
021859 DR	11	18	31	1006	.1	102	22	883	4.63	367	5	ND	16	70	.3	101	2	66	.19	.103	56	23	.04	731	.01	3	.67	.01	.07	1	22	3800
021860 DR	17	19	41	1516	.1	139	22	645	7.12	705	5	ND	16	120	1.2	236	2	67	.06	.079	45	23	.02	922	.01	4	.73	.01	.08	1	41	3200
021861 DR	20	20	30	1399	.1	136	17	397	6.06	618	5	ND	17	101	1.5	265	2	57	.07	.069	41	19	.02	799	.01	2	.62	.01	.08	1	22	3000
021862 DR	7	19	34	840	.2	61	15	1030	5.25	266	5	ND	19	81	.7	121	2	68	.19	.068	41	25	.14	763	.01	2	.59	.01	.04	1	110	5400
STANDARD C/AU-R	19	58	40	131	7.6	72	32	1050	3.95	41	18	7	40	53	17.6	15	18	55	.45	.092	39	55	.91	182	.08	35	1.88	.06	.14	13	530	1500

BCRC 90-291

BCRC 90-292

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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	Hg ppb
021863 DR	22	19	27	1603	.5	156	15	498	6.12	1016	5	ND	15	52	4.2	776	2	67	.22	.107	63	24	.03	751	.01	3	.58	.01	.07	1	500	4500
021864 DR	22	17	35	1427	.2	171	18	536	5.91	689	5	ND	18	56	2.2	288	2	68	.28	.115	61	23	.05	655	.01	4	.79	.01	.07	1	27	3300
021865 DR	21	17	35	1937	.2	160	23	1189	5.90	541	5	ND	17	131	3.1	263	2	73	.14	.100	46	26	.03	1002	.01	2	.75	.01	.05	1	32	3900
021866 DR	22	18	28	1604	.2	151	19	896	5.87	757	5	ND	16	71	3.6	255	2	68	.22	.104	56	21	.06	538	.01	2	.86	.01	.05	1	19	3100
021867 DR	19	18	17	1018	.2	120	11	321	5.01	700	5	ND	12	42	1.9	183	2	36	.13	.067	37	9	.06	370	.01	2	.71	.01	.17	1	27	1900
021868 DR	29	11	21	761	.4	101	7	272	4.32	923	5	ND	13	143	1.9	250	2	29	.07	.083	40	4	.03	887	.01	6	.64	.01	.15	1	720	4800
021869 DR	22	33	127	527	8.3	82	5	147	2.21	688	7	6	11	119	10.1	7284	3	35	.14	.056	37	8	.02	860	.01	7	.53	.01	.11	1	4840	4400
021870 DR	18	23	34	1293	.5	112	14	572	3.49	533	5	ND	16	132	5.4	783	2	71	.10	.099	38	19	.02	928	.01	4	.86	.01	.08	1	94	3200
021871 DR	22	19	21	1566	.2	162	16	603	5.47	563	5	ND	13	30	3.4	501	2	52	.27	.145	46	14	.05	211	.01	3	.85	.01	.07	1	86	1800
021872 DR	17	15	11	841	.1	142	14	342	4.20	450	5	ND	13	25	2.0	471	2	45	.20	.140	47	8	.04	421	.01	4	1.04	.01	.12	1	5	2700
021873 DR	17	17	27	1544	.4	190	19	830	4.86	426	5	ND	15	41	4.8	354	2	46	.26	.156	53	8	.04	232	.01	9	1.03	.01	.12	1	22	2500
021874 DR	15	18	35	727	.4	109	9	153	2.72	348	5	ND	12	161	6.0	164	2	29	.10	.125	47	6	.04	1183	.01	10	.94	.01	.14	1	43	3700
021875 DR	30	86	18	666	1.4	75	8	65	2.32	297	13	ND	3	492	9.3	64	2	391	.07	.276	14	51	.03	5289	.01	15	.98	.01	.14	2	7	2800
021876 DR	19	53	13	582	.6	48	5	40	2.03	155	7	ND	5	205	22.6	38	2	98	.08	.093	25	16	.04	1173	.01	14	.72	.01	.19	1	3	1400
021877 DR	20	39	43	811	.4	135	21	779	5.64	944	5	ND	19	194	3.0	813	4	51	.07	.096	69	32	.08	1661	.01	6	.93	.01	.11	1	280	4200
021878 DR	21	25	48	1076	.6	141	21	541	6.66	1376	5	ND	15	150	3.2	1661	2	68	.06	.070	39	30	.04	1391	.01	6	.82	.01	.05	1	520	5100
021879 DR	13	22	57	814	.3	96	14	357	5.99	730	5	ND	16	127	1.2	541	2	75	.03	.060	34	27	.01	1384	.01	3	.72	.01	.04	1	57	5600
021880 DR	18	21	35	849	.1	114	14	269	6.28	954	5	ND	13	138	1.2	972	2	73	.04	.061	27	28	.02	1230	.01	2	.70	.01	.03	1	23	5000
021881 DR	10	20	26	691	.1	92	13	318	4.20	434	5	ND	18	132	.2	301	2	72	.14	.095	51	28	.03	977	.01	3	.71	.01	.05	1	8	3600
021882 DR	7	19	26	467	.2	69	13	524	3.47	317	5	ND	19	56	.4	102	2	77	.36	.123	50	29	.14	654	.01	5	1.20	.01	.09	1	19	3000
021883 DR	11	20	31	728	.2	90	14	519	5.33	535	5	ND	17	137	1.1	205	2	71	.11	.082	47	30	.05	942	.01	5	.71	.01	.05	1	56	6100
021884 DR	12	22	35	909	.2	96	13	524	4.89	408	5	ND	16	169	1.3	271	2	77	.08	.076	39	27	.04	1259	.01	5	.78	.01	.03	1	20	6600
021885 DR	23	21	37	1490	.4	189	21	664	7.32	1056	5	ND	15	118	2.4	675	2	69	.13	.091	53	26	.02	908	.01	5	.74	.01	.06	1	15	3900
021886 DR	11	19	28	748	.3	94	13	462	4.84	537	5	ND	13	132	1.7	371	2	58	.06	.054	32	21	.03	1086	.01	5	.72	.01	.04	1	108	6600
021887 DR	15	22	38	1038	.2	131	15	508	5.53	699	5	ND	15	88	2.0	500	2	59	.14	.079	63	23	.03	764	.01	4	.70	.01	.06	1	45	5600
021888 DR	12	20	30	1124	.2	103	13	577	5.11	594	5	ND	17	101	1.8	358	5	69	.18	.098	46	24	.03	712	.01	4	.60	.01	.05	1	12	6500
021889 DR	13	22	38	794	1.3	101	13	1056	4.57	823	5	ND	12	115	2.9	1404	2	58	.08	.048	32	18	.04	964	.01	4	.54	.01	.05	1	870	6200
021890 DR	9	18	33	691	.2	77	15	843	3.89	228	5	ND	11	136	1.2	155	2	67	.12	.045	28	23	.11	803	.01	2	.61	.01	.02	1	17	5700
021891 DR	17	20	27	908	.1	115	13	759	4.15	674	5	ND	10	139	1.8	558	2	50	.05	.058	35	11	.03	1079	.01	4	.62	.01	.07	1	57	4300
021892 DR	14	11	26	917	.2	117	17	404	5.05	685	5	ND	11	122	.7	400	2	40	.07	.076	38	8	.03	940	.01	5	.67	.01	.09	1	54	10600
021893 DR	13	11	22	883	.1	127	16	493	4.59	716	5	ND	12	66	1.1	366	3	35	.17	.094	48	10	.04	447	.01	5	.60	.01	.10	1	17	4100
021894 DR	26	30	44	1213	.1	158	17	371	5.07	875	5	ND	21	222	1.2	417	4	25	.08	.106	74	19	.04	1619	.01	4	.72	.01	.12	1	24	1600
021895 DR	25	33	43	1118	.1	145	16	666	5.02	606	5	ND	26	179	2.2	322	2	23	.15	.117	83	22	.04	1891	.01	5	.69	.01	.14	1	18	1200
021896 DR	13	30	38	747	.2	83	15	932	4.51	296	5	ND	22	175	1.5	102	2	25	1.01	.105	61	29	.27	1196	.01	4	.60	.01	.13	1	21	1700
021897 DR	8	33	22	654	.3	69	14	976	3.95	185	5	ND	20	259	2.5	65	3	34	1.90	.150	57	30	.29	1327	.01	4	.65	.01	.13	1	7	2200
021898 DR	13	36	14	362	.5	68	8	94	2.35	188	5	ND	6	148	4.0	28	2	54	.17	.082	27	11	.06	555	.01	12	.61	.01	.17	1	119	510
STANDARD C/AU-R	18	57	37	132	7.1	72	31	1053	3.98	41	18	7	37	52	18.6	16	23	57	.46	.097	39	60	.90	183	.07	32	1.89	.06	.13	13	510	1400

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	HG ppb
021899 DR	11	38	17	427	.3	85	12	145	3.14	152	5	ND	5	93	5.3	24	2	52	.10	.042	29	11	.12	230	.01	13	.81	.01	.24	1	3	130
021900 DR	22	26	20	445	.4	69	6	82	2.24	146	5	ND	5	137	2.5	26	2	79	.07	.076	28	10	.04	1684	.01	11	.66	.01	.18	1	5	430
021901 DR	8	32	29	834	.3	90	14	721	4.22	57	5	ND	20	354	5.2	18	2	37	1.84	.101	43	26	.82	300	.01	9	.71	.01	.18	1	9	760
021902 DR	5	20	28	254	.3	37	10	659	3.09	230	5	ND	13	88	.5	76	3	79	.38	.098	38	29	.37	1418	.09	4	1.41	.02	.14	1	65	2300
021903 DR	1	17	27	173	.2	25	10	654	3.22	54	5	ND	15	68	.2	36	4	87	.62	.111	44	39	.75	1702	.19	3	1.88	.04	.27	1	19	360
021904 DR	1	18	22	143	.2	24	11	658	3.53	31	5	ND	17	71	.2	30	2	93	.61	.110	53	39	.84	1811	.21	2	1.90	.05	.36	1	23	240
021905 DR	6	18	31	444	.2	43	16	1222	4.77	176	5	ND	14	118	.4	120	2	69	.14	.068	38	27	.08	1360	.02	3	.85	.01	.07	1	12	6700
021906 DR	6	18	35	554	.2	51	17	901	5.90	228	5	ND	12	159	.5	148	3	77	.04	.049	34	30	.03	1277	.01	3	.92	.01	.05	1	112	5600
021907 DR	8	20	31	658	.4	67	15	807	6.27	715	8	2	13	132	2.1	178	2	68	.05	.045	35	26	.02	1047	.01	8	.87	.01	.08	1	1200	5700
021908 DR	7	18	35	584	.1	59	14	1013	4.68	379	5	ND	11	122	.8	112	2	64	.03	.040	24	22	.01	1215	.01	2	.64	.01	.03	1	210	7000
021909 DR	11	19	39	1123	.2	104	21	1866	4.82	420	5	ND	17	168	1.2	162	2	81	.11	.088	44	32	.02	1564	.01	2	.92	.01	.05	1	47	9200
021910 DR	15	18	39	1318	.2	120	19	1280	5.65	793	5	ND	16	174	1.3	367	2	71	.09	.082	47	26	.02	1361	.01	9	.81	.01	.08	1	14	5700
021911 DR	11	17	40	596	.4	74	17	1483	3.52	507	6	ND	14	157	.7	172	2	59	.05	.053	33	22	.03	1291	.01	5	.75	.01	.05	1	260	6300
021912 DR	12	18	45	660	.5	62	15	1118	5.73	903	5	3	12	129	1.5	256	2	71	.05	.047	35	25	.03	1212	.01	5	.78	.01	.05	1	1750	8700
021913 DR	10	17	46	671	.3	61	14	727	4.09	297	5	ND	12	154	1.0	147	2	64	.03	.052	32	25	.03	1133	.01	5	.74	.01	.02	1	76	5400
021914 DR	11	19	39	646	.2	63	14	898	4.22	298	5	ND	12	144	.5	125	2	69	.04	.050	31	22	.03	1067	.01	5	.78	.01	.04	1	30	5200
021915 DR	9	18	33	575	.3	62	12	759	4.04	431	5	ND	12	139	1.0	114	2	56	.41	.060	32	21	.08	1546	.01	7	.80	.01	.08	1	51	4300
021916 DR	13	10	38	365	.5	46	12	697	4.00	690	5	ND	12	86	.8	50	3	40	.14	.068	44	9	.04	909	.01	8	.74	.01	.12	1	39	7000
021917 DR	10	14	30	281	.1	36	12	793	4.45	134	5	ND	12	45	.4	30	2	41	.32	.110	48	11	.06	325	.01	7	.84	.01	.17	1	17	4900
021918 DR	9	11	24	310	.2	46	12	820	4.11	150	5	ND	13	54	.6	31	2	39	.30	.104	47	11	.06	452	.01	6	.90	.01	.18	1	7	3800
021919 DR	10	10	34	246	.6	38	10	1362	4.07	1360	5	ND	12	122	.4	41	2	21	.32	.068	40	7	.10	1095	.01	10	.90	.01	.17	1	780	4700
021920 DR	5	24	31	218	1.1	35	8	746	3.46	990	5	ND	7	176	.7	350	5	33	1.03	.038	29	11	.42	449	.01	13	.59	.01	.14	1	1500	3900
021921 DR	13	19	17	181	.4	40	7	88	2.26	116	5	ND	5	120	.2	19	2	62	.11	.049	28	8	.07	1366	.01	12	.64	.01	.16	1	28	1000
021922 DR	7	40	16	204	.4	45	8	53	1.70	48	7	ND	7	106	3.7	13	4	44	.08	.039	31	8	.09	487	.01	13	.66	.01	.21	1	24	1000
021923 DR	5	50	20	702	.4	110	20	304	2.99	56	6	ND	7	98	7.0	12	2	61	.21	.059	34	19	.33	202	.01	15	.96	.01	.26	1	7	1100
021924 DR	4	36	31	568	.4	74	17	559	3.73	244	5	ND	10	163	1.6	16	3	37	.45	.043	33	16	.43	145	.01	10	.72	.01	.23	1	24	1300
021925 DR	3	44	24	564	.2	48	17	1244	4.75	173	5	ND	11	422	.6	21	2	57	3.55	.074	29	51	1.44	515	.01	6	.64	.01	.09	1	65	6100
021926 DR	3	23	69	310	1.2	35	10	1304	3.93	2260	5	4	12	106	1.1	1919	2	47	.09	.036	38	19	.03	915	.01	2	.66	.01	.06	1	3380	8500
021927 DR	3	22	135	367	2.2	45	10	1204	3.73	2228	5	4	12	99	2.0	4531	3	42	.10	.031	37	15	.03	763	.01	6	.52	.01	.07	1	4610	7000
021928 DR	4	20	59	469	1.0	52	11	978	3.85	2380	5	5	12	97	2.1	3020	2	48	.07	.028	28	18	.01	702	.01	5	.54	.01	.06	1	5220	13600
021929 DR	7	22	44	587	.2	66	21	1652	5.05	843	5	ND	11	107	1.1	758	4	62	.04	.031	21	21	.01	804	.01	3	.63	.01	.04	1	119	5500
021930 DR	5	19	39	400	1.4	41	11	700	3.66	2662	5	8	10	93	1.2	1541	3	43	.06	.030	28	14	.01	794	.01	5	.55	.01	.06	1	7980	1400
021931 DR	9	22	26	376	.5	45	7	593	3.10	1990	6	ND	9	107	1.9	680	2	27	.06	.044	35	7	.02	814	.01	8	.59	.01	.12	1	1030	11000
021932 DR	10	23	22	301	.5	32	8	272	3.42	2290	5	ND	10	136	1.6	624	6	21	.08	.060	38	6	.03	1087	.01	8	.63	.01	.18	1	400	4400
021933 DR	16	10	37	207	1.4	23	3	136	2.61	1319	5	ND	8	108	.5	797	2	20	.06	.049	32	5	.03	805	.01	10	.54	.01	.17	1	420	3100
021934 DR	28	13	28	373	.9	33	8	314	3.67	1450	5	ND	11	120	.5	592	4	16	.05	.068	37	2	.03	997	.01	9	.63	.01	.15	1	440	3500
STANDARD C/AU-R	18	58	41	130	7.1	73	31	1052	3.98	40	16	8	38	52	18.6	16	19	57	.46	.096	39	60	.89	183	.07	32	1.90	.06	.13	13	510	1600

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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	Hg ppb
021935 DR	20	15	37	559	.4	78	19	1506	4.81	2706	5	ND	12	116	.5	987	2	18	.07	.065	47	5	.03	1147	.01	11	.61	.01	.15	1	1130	3900
021936 DR	13	14	45	560	1.1	47	12	522	4.45	3486	5	3	11	109	.2	1982	2	23	.08	.047	40	4	.03	911	.01	9	.61	.01	.14	1	2680	16000
021937 DR	13	12	63	606	1.0	38	12	664	4.91	3304	5	ND	12	118	.8	1251	2	19	.08	.056	45	3	.03	1046	.01	8	.62	.01	.13	1	1190	6600
021938 DR	14	24	52	496	.7	62	12	506	4.20	1536	5	ND	10	154	1.3	301	2	33	.08	.073	42	7	.04	1537	.01	10	.76	.01	.17	1	240	7300
021939 DR	10	35	20	171	.2	27	5	52	2.25	181	5	ND	8	105	.2	55	2	46	.10	.044	38	10	.05	1264	.01	7	.63	.01	.22	1	43	1800
021940 DR	18	66	23	724	.3	114	19	172	4.92	163	5	ND	16	94	.7	68	2	81	.23	.161	59	58	.22	1411	.03	9	.89	.01	.31	1	3	1700
021941 DR	14	46	25	590	.4	131	21	404	4.40	107	5	ND	12	111	2.3	34	2	95	.40	.125	50	55	.39	1251	.05	12	.93	.01	.37	1	13	1000
021942 DR	12	38	22	577	.2	92	15	248	3.85	90	6	ND	10	130	1.2	43	2	89	.19	.089	39	29	.08	1468	.01	8	.63	.01	.18	1	8	680
021943 DR	9	37	99	725	.7	68	14	576	3.84	264	5	ND	12	150	4.0	81	2	55	.30	.056	30	21	.13	1229	.01	2	.75	.01	.10	1	8	2500
021944 DR	4	28	90	643	1.1	50	15	893	4.04	389	5	ND	12	193	2.9	70	3	40	1.32	.101	35	21	.48	653	.01	2	.61	.01	.11	1	43	2100
021945 DR	11	40	174	709	3.3	78	12	399	3.51	349	5	ND	9	140	4.8	81	3	46	.64	.086	28	10	.26	318	.01	11	.61	.01	.20	1	13	2200
021946 DR	12	53	43	359	1.2	92	10	73	2.22	118	6	ND	4	189	4.2	28	2	120	.22	.136	19	16	.06	121	.01	14	.75	.01	.21	1	29	700
021947 DR	17	101	39	487	.9	92	6	240	1.62	120	6	ND	2	335	4.8	39	2	335	.42	.252	13	49	.06	1047	.01	11	.62	.01	.13	2	7	1000
021948 DR	11	56	37	650	.6	81	13	833	3.76	142	5	ND	17	442	4.6	55	2	83	1.82	.149	41	27	.82	303	.01	6	.52	.01	.16	1	31	900
021949 DR	5	33	33	567	.3	54	14	851	4.01	78	5	ND	23	560	1.2	24	2	18	2.77	.110	48	22	1.21	231	.01	5	.38	.01	.15	1	9	1000
021950 DR	7	29	38	569	.2	55	12	832	4.04	1552	5	ND	17	549	.6	35	2	19	2.51	.069	34	19	1.14	451	.01	7	.47	.01	.11	1	43	4100
021951 DR	7	27	59	496	2.2	66	16	1541	4.41	4413	5	11	12	98	1.9	2882	2	43	.10	.040	39	20	.05	1287	.01	5	.60	.01	.06	1	8330	7900
021952 DR	7	24	80	560	2.5	71	16	1337	4.20	4305	5	12	11	107	3.4	3398	2	40	.11	.039	37	18	.02	1191	.01	2	.55	.01	.06	1	9090	6800
021953 DR	7	23	44	431	2.7	56	10	970	3.50	4534	5	10	8	108	2.9	5169	2	29	.11	.036	32	23	.01	993	.01	3	.46	.01	.04	1	9150	9600
021954 DR	9	19	44	648	2.2	60	15	1343	3.77	3699	5	6	10	112	1.5	3744	3	25	.10	.038	36	12	.01	784	.01	4	.43	.01	.06	1	5880	9400
021955 DR	11	15	52	696	1.5	56	11	1251	4.29	1249	5	ND	7	95	1.6	4793	2	21	.07	.044	34	8	.01	852	.01	4	.43	.01	.06	1	1140	6800
021956 DR	18	17	50	666	1.2	50	8	417	4.72	2167	5	ND	12	117	1.5	7168	2	22	.10	.059	44	6	.02	1558	.01	8	.58	.01	.10	1	640	7000
021957 DR	15	19	97	603	1.3	46	9	480	4.70	2472	5	ND	12	124	.7	557	3	16	.07	.057	43	4	.02	1144	.01	5	.56	.01	.12	1	560	3600
021958 DR	7	10	48	489	.7	46	14	871	3.92	2330	5	ND	11	125	.4	1153	2	17	.07	.051	41	4	.02	1087	.01	8	.64	.01	.13	1	700	14000
021959 DR	13	12	41	743	.5	80	9	342	4.88	2625	5	ND	10	129	.9	524	2	22	.08	.057	35	7	.02	1102	.01	9	.60	.01	.12	1	660	27000
021960 DR	11	14	66	620	.7	63	9	255	4.46	2460	5	ND	10	103	.4	395	2	26	.09	.045	35	7	.02	798	.01	4	.55	.01	.11	1	940	13000
021961 DR	10	15	52	333	1.2	35	6	127	3.26	1940	5	ND	8	138	.4	196	2	36	.10	.053	27	8	.03	1226	.01	10	.52	.01	.14	1	780	9100
021962 DR	11	23	14	139	.3	27	4	51	2.54	203	5	ND	5	123	.2	31	2	71	.07	.050	23	9	.04	1599	.01	10	.57	.01	.15	1	19	2600
021963 DR	11	28	23	252	.3	45	9	161	3.27	447	5	ND	7	125	.4	46	2	56	.05	.063	32	13	.04	1360	.01	8	.61	.01	.18	1	89	2300
021964 DR	15	53	105	882	2.1	101	20	697	5.45	772	5	ND	14	225	4.9	148	8	63	1.27	.106	43	46	.47	1187	.01	8	.76	.01	.13	1	44	2400
021965 DR	8	34	60	896	1.2	44	12	525	4.00	729	5	ND	12	215	7.7	94	2	41	1.35	.088	32	23	.66	463	.01	5	.62	.01	.12	1	40	2300
021966 DR	5	22	47	458	.5	36	10	615	3.31	187	5	ND	11	289	2.3	119	2	34	2.30	.093	32	23	.94	486	.01	3	.55	.01	.11	1	7	2200
021967 DR	3	21	47	328	.4	24	9	574	3.50	120	5	ND	11	276	2.2	54	4	38	2.51	.093	33	24	1.10	387	.01	3	.55	.01	.11	1	3	2000
021968 DR	4	26	58	401	.6	29	9	665	3.68	320	5	ND	11	229	1.9	74	2	44	2.35	.093	31	31	1.13	401	.01	4	.63	.01	.11	1	1	1900
021969 DR	12	30	41	675	.6	55	9	550	3.28	195	5	ND	8	254	4.7	41	2	30	1.97	.083	28	17	.81	254	.01	2	.46	.01	.15	1	18	2700
021970 DR	22	31	34	694	.7	93	11	304	3.03	381	5	ND	8	152	3.0	66	2	39	.66	.059	29	11	.33	402	.01	7	.47	.01	.15	1	7	2900
STANDARD C/AU-R	19	58	42	131	7.0	73	31	1052	3.97	40	16	7	38	52	18.6	15	19	57	.46	.098	40	61	.89	183	.07	34	1.89	.06	.13	11	530	1600

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	HG ppb
021971 DR	13	38	29	391	.9	87	11	198	2.81	180	5	ND	7	104	2.1	53	2	31	.36	.037	26	9	.19	178	.01	9	.45	.01	.15	1	95	2000
021972 DR	10	34	30	423	.6	61	11	560	3.43	200	5	ND	15	322	.6	79	2	31	1.61	.076	36	19	.79	290	.01	6	.60	.01	.20	1	140	1800
021973 DR	8	26	44	333	1.0	51	12	709	3.12	214	5	ND	17	340	.9	114	2	25	2.02	.083	40	19	.89	369	.01	9	.53	.01	.18	1	160	1200
021974 DR	8	31	52	464	1.3	50	11	869	3.58	241	5	ND	18	470	1.3	61	10	23	2.33	.089	47	21	1.08	399	.01	8	.50	.01	.18	1	140	1900
021975 DR	4	23	53	452	.9	70	15	987	3.66	802	5	ND	16	55	.2	566	2	61	.32	.095	48	25	.29	622	.05	6	1.13	.01	.19	1	620	2200
021976 DR	4	24	59	436	1.0	71	15	979	3.97	865	5	3	18	49	.5	485	4	75	.40	.112	50	36	.61	837	.11	5	1.64	.02	.30	1	2660	1500
021977 DR	3	16	38	267	.4	45	10	712	3.01	209	5	ND	17	58	.2	96	2	74	.49	.109	46	36	.70	1157	.14	2	1.44	.04	.23	1	250	500
021978 DR	2	15	32	196	.4	26	9	533	3.03	71	5	ND	14	71	.2	43	2	81	.52	.106	38	39	.90	1464	.20	2	1.46	.06	.37	1	53	210
021979 DR	3	16	23	239	.3	37	9	770	3.26	214	5	ND	17	59	.2	125	2	76	.47	.110	46	38	.67	1238	.15	5	1.39	.04	.31	1	52	390
021980 DR	4	16	17	290	.3	60	10	1228	3.14	185	5	ND	16	60	.3	138	2	76	.47	.109	41	41	.72	1100	.15	2	1.48	.04	.31	1	31	240
021981 DR	4	16	23	221	.3	34	9	998	2.90	168	5	ND	16	55	.7	134	2	65	.45	.110	47	34	.48	786	.09	4	1.17	.04	.22	1	10	680
021982 DR	3	16	20	232	.3	43	12	659	3.06	140	5	ND	18	60	.2	125	2	70	.48	.116	45	34	.51	1177	.09	5	1.35	.03	.21	1	6	530
021983 DR	9	20	23	317	.3	50	13	714	4.17	232	5	ND	20	76	.2	193	2	89	.29	.123	64	34	.05	709	.01	3	.72	.01	.07	1	10	4800
021984 DR	14	19	26	686	.3	95	15	593	6.13	528	5	2	20	57	.2	458	3	93	.30	.128	70	38	.04	498	.01	4	.66	.01	.06	1	24	4700
021985 DR	13	17	26	553	.6	68	9	421	4.48	1157	5	ND	17	92	.5	408	2	56	.23	.089	45	18	.05	776	.01	7	.61	.01	.07	1	670	4200
021986 DR	19	20	41	754	1.0	83	8	666	5.14	2436	5	4	13	123	1.2	1693	2	35	.10	.058	39	9	.03	1017	.01	3	.60	.01	.10	1	3700	5600
021987 DR	18	13	25	769	.5	111	11	1412	4.36	1136	5	ND	16	128	1.0	506	2	44	.32	.077	44	13	.12	969	.01	7	.70	.01	.11	1	1150	3400
021988 DR	8	15	18	502	.5	57	14	941	4.63	240	5	ND	13	55	.3	101	3	54	.66	.093	43	19	.36	329	.01	5	.56	.01	.09	1	50	6500
021989 DR	12	10	16	790	.4	87	13	764	4.93	423	5	ND	14	34	.7	176	2	59	.48	.109	48	22	.19	245	.01	2	.59	.01	.10	1	58	3800
021990 DR	5	11	15	505	.3	95	14	723	3.55	84	5	ND	14	80	.2	36	2	45	.97	.108	37	24	.44	252	.01	4	1.01	.01	.16	1	14	1300
021991 DR	11	11	22	661	.3	75	13	879	4.55	217	5	ND	14	125	.2	95	2	37	1.15	.097	35	18	.50	392	.01	5	.67	.01	.14	1	23	3300
021992 DR	29	12	24	1068	.4	183	44	2537	5.76	699	5	ND	13	130	.9	224	2	38	1.23	.101	37	23	.54	473	.01	8	.73	.01	.16	1	71	4300
021993 DR	24	12	29	874	.4	128	19	1242	4.87	792	5	ND	12	206	1.0	211	2	28	1.56	.093	32	23	.56	286	.01	9	.72	.01	.17	1	120	4500
021994 DR	9	13	43	462	.8	44	8	646	2.80	420	5	2	6	172	.7	3015	2	13	1.24	.041	18	16	.48	114	.01	7	.50	.01	.09	1	1610	3500
021995 DR	11	25	21	377	1.0	73	9	240	2.84	283	5	ND	3	127	2.2	151	2	38	.55	.028	16	9	.26	64	.01	6	.45	.01	.13	1	370	6800
021996 DR	10	33	22	389	.5	75	15	745	4.14	297	5	ND	9	308	1.0	150	2	59	3.32	.105	28	48	1.46	90	.01	6	.59	.01	.18	1	230	4100
021997 DR	10	33	19	326	.5	70	12	479	3.22	152	5	ND	9	334	.9	53	2	49	1.86	.085	26	24	.89	111	.01	8	.53	.01	.17	1	70	1600
021998 DR	8	25	21	303	.3	65	12	732	3.51	216	5	ND	16	442	.5	117	2	28	2.52	.087	34	37	1.08	151	.01	6	.55	.01	.18	1	130	1300
021999 DR	4	23	32	170	.2	47	14	788	3.60	91	5	ND	17	45	.8	11	2	49	.32	.109	49	20	.16	619	.01	5	.86	.01	.11	1	60	2100
022000 DR	4	19	28	144	.2	30	12	947	3.47	93	5	ND	18	125	.3	9	2	49	2.07	.108	52	29	.06	798	.01	3	.60	.01	.12	1	18	2900
022001 DR	2	16	32	123	.1	18	10	734	3.72	95	5	ND	15	119	.2	11	2	63	2.76	.041	30	29	.75	778	.01	3	.58	.01	.05	1	27	4000
022002 DR	4	21	28	251	.1	55	14	663	3.73	87	5	ND	20	108	.3	7	2	74	.42	.112	61	34	.06	694	.01	2	.66	.01	.07	1	8	3400
022003 DR	4	18	32	270	.1	64	14	711	3.84	141	5	ND	18	103	.3	5	2	71	.29	.076	40	28	.06	788	.01	4	.67	.01	.06	1	15	4800
022004 DR	5	20	33	285	.2	68	13	636	4.03	128	6	ND	16	61	.4	6	2	64	.06	.030	25	29	.03	1511	.01	5	.68	.01	.07	1	13	3300
022005 DR	5	20	31	412	.2	87	14	634	4.54	165	5	ND	16	62	.2	7	3	60	.08	.033	30	24	.03	801	.01	8	.60	.01	.05	1	7	3200
022006 DR	4	20	17	354	.4	78	18	758	4.29	168	5	ND	15	40	1.2	6	3	55	.59	.108	56	24	.07	505	.01	6	.73	.01	.11	1	7	2300
STANDARD C/AU-R	19	57	36	132	7.0	72	31	1052	3.99	41	18	7	38	52	18.6	15	20	57	.46	.096	39	61	.89	186	.07	31	1.89	.06	.13	13	490	1600

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SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	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	HG ppb
022007 DR	10	10	18	158	.1	20	4	55	1.51	35	5	ND	5	122	.2	7	2	70	.15	.043	31	11	.05	1335	.01	10	.69	.01	.21	1	8	1300
022008 DR	10	17	19	81	.5	11	3	19	1.66	27	5	ND	7	95	.2	9	5	65	.15	.038	30	9	.05	940	.01	11	.61	.01	.22	1	9	1100
022009 DR	11	47	21	121	.9	25	6	29	3.25	45	18	ND	10	117	.2	13	3	75	.16	.062	32	12	.06	1159	.01	8	.74	.01	.23	1	11	820
022010 DR	19	35	16	318	.5	36	7	48	3.34	59	5	ND	5	172	.2	17	3	111	.16	.081	25	14	.05	1443	.01	6	.74	.01	.20	1	8	640
022011 DR	9	30	18	197	1.2	28	6	41	3.45	42	5	ND	12	123	.2	20	5	60	.11	.050	30	11	.05	590	.01	13	.70	.01	.25	1	7	730
022012 DR	3	9	13	30	.6	5	2	7	2.39	28	5	ND	9	115	.2	9	3	35	.10	.035	39	7	.05	211	.01	15	.60	.02	.37	1	4	920
022013 DR	4	7	15	29	.1	3	2	6	2.48	28	5	ND	5	115	.2	9	2	34	.10	.035	39	7	.05	197	.01	15	.62	.02	.38	1	10	1600
022014 DR	4	11	18	24	.8	5	2	4	1.72	36	5	ND	8	78	.2	17	4	35	.10	.028	29	9	.05	445	.01	15	.62	.01	.30	1	4	3800
022015 DR	7	66	29	348	.7	123	17	258	4.89	77	5	ND	18	78	.2	14	2	53	.13	.130	36	17	.21	691	.03	2	1.34	.01	.23	1	4	830
022016 DR	9	64	27	443	.2	83	16	308	4.39	107	5	ND	13	116	1.1	12	2	60	.17	.123	37	18	.13	1353	.02	6	1.14	.01	.21	1	6	1200
022017 DR	11	32	21	80	.7	22	4	160	1.52	41	5	ND	8	201	2.1	15	2	80	.12	.066	25	11	.04	1150	.01	14	.63	.01	.22	1	6	1300
022018 DR	12	68	15	285	.4	80	11	122	2.00	36	5	ND	5	283	1.7	11	3	138	.15	.094	19	17	.05	1717	.01	17	1.07	.01	.23	1	4	1100
022019 DR	16	71	16	137	.8	51	8	251	1.41	70	5	ND	4	358	1.3	20	2	187	.16	.128	15	26	.04	2196	.01	20	1.12	.01	.18	1	6	1500
022020 DR	6	38	18	40	.2	23	4	72	.60	20	5	ND	1	191	.8	14	2	126	.17	.085	10	17	.04	2444	.01	19	.65	.01	.15	1	11	2500
022021 DR	9	38	17	49	.1	22	4	70	1.10	113	5	ND	3	135	.7	15	2	89	.12	.048	18	9	.04	1212	.01	19	.52	.01	.17	1	7	2400
022022 DR	6	50	19	272	.2	87	10	190	3.05	268	5	ND	8	182	5.3	12	3	40	.59	.110	27	6	.19	85	.01	12	1.03	.01	.19	1	10	1500
022023 DR	4	19	22	346	.1	82	10	553	2.64	104	5	ND	11	234	4.4	10	2	23	1.63	.114	26	4	.51	156	.01	7	.95	.01	.18	1	3	520
022024 DR	5	17	18	258	.6	50	10	557	2.98	58	5	ND	12	213	2.5	17	3	17	1.74	.096	21	3	.61	85	.01	11	.69	.01	.17	1	9	380
022025 DR	6	17	21	403	.7	61	12	585	3.69	106	5	ND	12	208	3.6	25	3	20	1.31	.105	23	3	.43	72	.01	9	.85	.01	.16	1	5	1200
022026 DR	3	16	16	516	.7	385	22	596	2.87	73	5	ND	13	250	6.3	20	4	21	1.80	.098	25	3	.62	104	.01	8	.97	.01	.16	1	8	810
022027 DR	5	23	26	247	.4	60	17	831	4.55	1027	5	ND	16	84	.7	22	2	49	.13	.042	28	19	.09	816	.01	4	.66	.01	.09	2	380	7600
022028 DR	3	15	24	204	.6	52	13	600	4.27	2610	5	2	15	68	.2	23	3	40	.12	.026	27	15	.03	599	.01	5	.46	.01	.07	1	3200	23000
022029 DR	5	20	29	232	.1	59	16	677	4.46	1259	5	ND	14	80	.2	17	2	53	.10	.032	25	21	.04	659	.01	6	.60	.01	.07	2	420	15000
022030 DR	4	18	32	241	.3	56	14	666	4.40	1377	5	ND	15	76	.2	20	2	50	.09	.030	26	19	.03	643	.01	8	.57	.01	.06	2	900	17000
022031 DR	6	19	27	286	.4	72	13	317	4.97	2044	5	2	14	72	.2	21	2	44	.08	.029	32	16	.02	597	.01	3	.54	.01	.08	1	2390	10000
022032 DR	5	23	35	225	.1	54	14	658	4.47	1447	5	ND	14	72	.2	21	2	43	.07	.030	33	18	.03	671	.01	5	.59	.01	.10	3	500	14000
022033 DR	5	23	31	261	.1	60	14	657	4.41	1288	5	ND	14	66	.7	22	2	45	.06	.028	28	19	.02	632	.01	5	.54	.01	.08	3	170	15000
022034 DR	6	24	30	135	1.7	25	6	110	2.08	1085	5	2	10	129	.7	23	6	83	.07	.048	24	14	.03	1375	.01	8	.60	.01	.13	3	2250	26000
022035 DR	10	24	25	193	1.3	26	4	35	1.99	324	7	ND	6	146	.8	22	2	107	.10	.062	21	10	.05	1425	.01	6	.58	.01	.17	1	64	5100
022036 DR	8	36	41	652	.5	70	13	115	5.14	999	5	ND	11	86	1.3	24	2	71	.06	.052	30	17	.02	831	.01	4	.73	.01	.09	2	72	20000
022037 DR	8	28	59	514	.4	60	12	123	4.32	606	5	ND	8	83	.7	18	2	49	.06	.044	33	16	.03	711	.01	4	.69	.01	.13	2	46	11000
022038 DR	6	32	24	358	.5	41	9	83	3.55	112	5	ND	6	76	.2	11	2	43	.10	.035	35	10	.05	935	.01	9	.69	.01	.22	1	20	2600
022039 DR	5	33	18	223	.1	31	6	47	3.45	200	5	ND	5	77	.2	12	2	38	.11	.035	34	9	.05	1070	.01	11	.69	.01	.21	1	26	2200
022040 DR	15	60	34	492	.1	59	12	114	6.25	1019	5	ND	8	72	.6	23	4	44	.07	.056	36	14	.04	921	.01	9	.79	.01	.14	1	63	5600
022041 DR	9	47	30	491	.3	66	16	176	5.30	2496	5	ND	10	90	4.3	30	2	33	.06	.050	39	11	.03	994	.01	8	.83	.01	.12	1	1960	8700
022042 DR	8	22	13	69	1.0	23	3	28	1.46	501	5	ND	6	157	.8	20	2	118	.15	.061	26	14	.05	1352	.01	12	.67	.01	.24	1	210	6400
STANDARD C/AU-R	19	58	37	131	7.1	73	32	1052	3.97	42	17	7	40	55	20.0	15	20	56	.45	.094	38	55	.89	182	.07	34	1.89	.06	.13	13	520	1400

Berc 90-298

Berc 90-299

NOV 06 '90 10:44

P.15

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	HG ppb
022043 DR	11	48	9	39	1.4	57	3	22	.88	99	5	ND	2	378	1.8	13	2	589	.87	.414	12	45	.05	2732	.01	19	.82	.01	.19	1	51	8400
022044 DR	19	60	20	99	2.0	58	4	159	.95	54	7	ND	2	416	4.2	17	2	415	.82	.435	10	39	.04	2902	.01	17	.82	.01	.15	1	36	7600
022045 DR	17	47	16	94	1.9	51	5	296	.88	47	6	ND	2	338	4.0	18	2	275	.34	.245	10	31	.04	3261	.01	19	.75	.01	.14	3	34	6600
028385 DR	15	61	51	269	.5	82	14	312	4.04	110	5	ND	7	56	1.2	28	2	36	.08	.039	36	18	.05	1068	.01	9	.61	.01	.18	1	21	1700
028386 DR	12	37	43	182	.3	50	14	585	3.75	64	5	ND	7	70	1.1	18	2	47	.06	.049	26	23	.03	1085	.01	11	.60	.01	.16	1	22	1200
028387 DR	9	39	37	220	.4	48	17	863	4.40	167	5	ND	11	84	2.2	23	3	47	.10	.089	45	28	.03	1522	.01	5	.70	.01	.12	1	21	3900
028388 DR	8	21	30	164	.4	37	15	1524	3.64	134	5	ND	15	41	1.0	19	2	76	.27	.131	59	31	.03	785	.01	2	.73	.01	.08	1	22	2500
028389 DR	6	20	42	162	.1	23	11	680	3.29	87	5	ND	18	38	.4	13	2	86	.29	.125	65	32	.04	638	.01	2	.76	.01	.06	1	9	2900
028390 DR	5	19	31	132	.2	18	11	799	2.65	53	5	ND	18	39	.2	22	2	73	.43	.132	71	25	.10	431	.01	3	.88	.01	.08	1	7	1300
028391 DR	3	19	34	125	.2	13	11	522	2.46	36	5	ND	18	39	.2	37	2	67	.49	.125	62	24	.15	328	.01	2	1.00	.01	.10	1	7	900
028392 DR	5	19	29	155	.2	22	11	799	3.03	72	5	ND	18	33	.3	16	2	72	.35	.126	58	27	.06	362	.01	3	.79	.01	.07	1	6	1800
028393 DR	4	36	34	138	.4	18	11	783	4.04	120	5	ND	16	81	.2	14	2	62	.43	.075	43	22	.06	920	.01	5	.85	.01	.07	1	12	2900
028394 DR	5	26	39	112	.3	26	15	1084	4.11	144	5	ND	18	120	.2	15	2	36	1.58	.056	62	24	.08	1090	.01	5	.73	.01	.12	1	8	1400
028395 DR	3	12	26	105	.3	13	10	809	3.22	73	5	ND	12	97	.2	9	2	44	1.05	.038	32	18	.25	764	.01	6	.71	.01	.07	2	11	1900
028396 DR	4	18	23	112	.3	16	13	1111	4.02	112	5	ND	13	84	.3	13	2	59	1.06	.042	34	24	.07	900	.01	2	.79	.01	.07	1	11	3200
028397 DR	5	30	35	90	.5	21	13	999	4.19	108	5	ND	17	114	.2	13	2	33	1.02	.056	61	24	.09	1212	.01	5	.70	.01	.12	1	43	1300
028398 DR	4	27	32	80	.2	22	12	803	3.85	116	5	ND	16	149	.2	13	2	30	3.58	.055	57	21	.15	1222	.01	3	.66	.01	.13	1	12	740
028399 DR	2	33	29	85	.4	16	10	777	3.77	61	5	ND	15	269	.2	14	5	26	4.64	.043	51	22	.45	847	.01	2	.59	.01	.12	1	18	540
028400 DR	5	31	32	89	.3	25	15	893	4.40	306	5	ND	15	149	.2	16	2	26	3.47	.066	56	22	.11	1354	.01	3	.62	.01	.12	1	33	780
028401 DR	3	29	29	78	.3	20	11	826	3.87	131	5	ND	15	336	.2	16	2	22	3.97	.057	50	23	.65	1127	.01	5	.58	.01	.12	1	16	960
028402 DR	3	25	27	76	.4	19	11	837	3.81	208	5	ND	15	482	.2	20	2	24	4.25	.055	43	24	1.02	1131	.01	7	.64	.01	.14	1	28	1000
028403 DR	2	31	35	70	1.4	17	11	816	4.11	2787	5	ND	16	511	.2	41	9	28	3.36	.053	34	26	.98	177	.01	4	.65	.01	.11	1	860	1700
028404 DR	2	29	33	84	.6	18	11	856	4.09	476	5	ND	14	538	.2	27	5	21	4.03	.047	39	22	1.33	800	.01	5	.54	.01	.12	1	110	1300
028405 DR	4	22	23	96	.8	16	10	963	4.23	1805	5	ND	12	362	.2	31	2	36	3.28	.057	32	22	.86	487	.01	5	.64	.01	.10	1	1210	2100
028406 DR	4	20	21	104	.5	16	10	712	3.67	390	5	ND	13	185	.2	25	7	49	2.57	.066	28	24	.54	693	.01	6	.59	.01	.08	1	110	3000
028407 DR	4	19	26	83	.3	15	11	847	3.80	283	5	ND	12	263	.2	23	6	36	3.14	.059	35	23	.80	911	.01	2	.62	.01	.11	1	44	1800
028408 DR	3	28	35	90	.2	20	11	796	4.08	125	5	ND	18	485	.2	18	2	21	3.82	.089	47	22	1.37	611	.01	4	.66	.01	.15	1	18	1600
028409 DR	2	24	25	93	.2	17	12	745	3.78	73	5	ND	19	470	.2	15	2	19	3.61	.098	48	21	1.40	374	.01	5	.52	.01	.19	1	32	1900
028410 DR	8	24	14	58	2.5	13	3	61	1.20	78	5	ND	2	273	.6	11	2	133	1.91	1.008	18	47	.05	2355	.01	20	.97	.01	.23	1	46	2100
028411 DR	15	38	18	68	3.1	18	3	69	1.41	143	5	ND	2	264	.5	28	2	144	2.22	1.151	19	50	.05	1651	.01	19	.95	.01	.24	1	60	2800
028412 DR	17	99	32	209	2.8	45	5	226	2.53	656	6	ND	7	214	4.7	174	2	115	1.32	.614	27	29	.10	1129	.01	12	1.01	.01	.18	1	520	2600
028413 DR	4	59	43	331	.5	64	12	791	4.07	177	5	ND	15	118	2.9	82	2	72	1.35	.096	36	29	.27	1138	.01	5	.77	.01	.03	1	55	5400
028414 DR	5	35	36	284	.5	59	11	936	3.96	168	5	ND	14	94	2.0	46	2	77	1.21	.093	27	30	.13	1042	.01	4	.67	.01	.02	1	41	5100
028415 DR	5	25	49	289	.4	46	12	1037	3.40	139	5	ND	14	65	1.4	30	2	72	.63	.053	25	27	.07	876	.01	2	.70	.01	.02	1	7	5800
028416 DR	4	22	40	236	.4	33	11	1032	3.67	162	5	ND	14	79	1.6	27	2	66	1.47	.062	29	26	.30	837	.01	2	.74	.01	.03	1	26	6000
028417 DR	4	18	40	194	.2	24	11	1016	3.92	97	5	ND	14	73	.8	16	2	66	.70	.061	27	25	.17	811	.01	2	.72	.01	.02	1	8	5500
STANDARD C/AU-R	18	58	37	132	6.9	71	32	1049	3.99	38	17	7	36	53	18.5	15	18	55	.45	.093	37	59	.91	181	.07	34	1.89	.06	.14	13	550	1500

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GEOCHEMICAL A' 'SIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9011-013 File # 90-5700 Page 1

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5

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	HG ppb
22046 DR	4	22	23	164	.5	35	9	595	2.82	938	5	ND	9	84	2.0	127	2	48	.17	.035	30	12	.04	981	.01	2	.55	.01	.10	1	510	8300
22047 DR	2	15	29	119	.3	20	10	573	3.20	342	5	ND	11	228	1.9	42	2	31	2.76	.045	29	12	.44	818	.01	2	.54	.01	.11	1	70	4300
22048 DR	3	19	26	171	.2	29	12	741	3.37	346	5	ND	11	216	1.5	35	2	35	2.55	.042	31	14	.38	770	.01	2	.55	.01	.10	1	54	7100
22049 DR	2	13	20	127	.2	23	10	713	3.22	894	5	ND	11	212	1.1	28	2	27	2.77	.033	29	11	.38	599	.01	2	.50	.01	.10	1	210	6200
22050 DR	3	15	22	148	.3	27	11	917	3.67	759	5	ND	11	124	1.0	26	2	33	1.08	.025	28	11	.17	517	.01	2	.51	.01	.08	1	170	7400
22051 DR	2	17	22	158	1.2	40	11	882	3.61	4469	5	7	11	273	1.1	44	2	43	.70	.028	24	13	.07	568	.01	5	.52	.01	.07	1	6240	41000
22052 DR	3	16	34	151	.7	29	12	935	3.67	2403	5	ND	12	126	1.5	27	3	47	.25	.032	29	15	.05	607	.01	3	.55	.01	.06	1	1540	18000
22053 DR	2	15	24	154	1.3	26	12	752	3.49	2886	5	4	12	139	1.1	21	2	28	.14	.030	34	9	.05	622	.01	4	.55	.01	.10	1	3940	6400
22054 DR	3	10	14	139	1.0	31	11	1559	2.62	2444	5	3	9	96	.4	23	2	18	.10	.024	32	7	.03	477	.01	3	.41	.01	.06	1	3410	5100
22055 DR	4	7	25	169	.8	65	7	302	3.24	1840	5	ND	10	82	1.5	24	2	18	.07	.025	36	3	.02	476	.01	10	.44	.01	.06	1	1210	14000
22056 DR	8	7	11	170	.7	75	7	145	3.66	1854	5	ND	10	74	2.0	23	2	17	.07	.024	35	4	.02	654	.01	6	.43	.01	.07	1	910	13000
22057 DR	3	3	23	55	.9	16	2	64	1.57	1098	5	3	10	81	.2	17	2	13	.06	.028	40	4	.02	562	.01	6	.47	.01	.06	1	2300	10000
22058 DR	2	3	19	36	1.5	8	2	76	1.12	1558	5	7	9	123	.2	13	2	10	.08	.024	32	5	.02	501	.01	5	.42	.01	.07	1	7140	9500
22059 DR	14	5	16	118	1.5	16	3	95	3.18	2007	5	5	8	101	2.2	39	2	18	.10	.045	29	4	.02	566	.01	7	.40	.01	.07	1	4680	18000
22060 DR	16	5	11	103	.8	19	2	104	2.44	1512	5	3	5	71	2.1	48	2	21	.08	.045	23	6	.02	612	.01	2	.33	.01	.07	1	3560	11000
22061 DR	9	4	14	42	.9	15	3	219	1.00	607	5	2	3	57	.2	24	2	17	.05	.025	16	5	.01	987	.01	5	.34	.01	.05	1	2530	6200
22062 DR	61	8	29	126	1.2	31	36	2252	2.65	739	5	ND	2	68	3.6	55	2	68	.06	.063	13	8	.01	802	.01	4	.35	.01	.04	1	1500	6800
22063 DR	48	15	21	87	1.2	28	17	897	2.02	326	5	ND	2	262	1.8	42	2	124	.10	.080	10	16	.02	1121	.01	7	.45	.01	.12	1	610	6500
22064 DR	22	31	21	105	1.1	29	4	80	1.03	80	5	ND	3	271	.2	22	2	136	.12	.095	14	19	.03	1883	.01	14	.55	.01	.14	1	81	4600
22065 DR	32	51	25	434	.4	116	11	286	4.28	570	5	ND	10	289	2.3	49	2	200	.22	.181	39	43	.03	675	.01	2	.97	.01	.14	1	150	1600
22066 DR	13	62	25	361	.4	115	9	307	3.25	652	5	ND	9	183	5.3	23	2	70	.93	.100	25	20	.38	109	.01	4	1.15	.01	.11	1	150	2600
22067 DR	9	62	21	327	.7	109	10	400	3.34	886	5	ND	8	185	6.8	24	2	52	1.46	.119	22	19	.54	51	.01	2	1.14	.01	.13	1	270	3200
22068 DR	13	56	63	366	.7	95	9	336	3.28	543	5	ND	5	134	5.5	29	2	70	.72	.116	19	16	.27	27	.01	8	1.06	.01	.16	1	220	4900
22069 DR	23	97	29	446	.9	107	9	186	2.43	215	5	ND	2	139	6.7	23	2	164	.36	.225	9	28	.06	29	.01	9	.99	.01	.11	1	63	4400
22070 DR	28	102	27	545	1.8	102	9	170	1.95	141	5	ND	1	180	6.7	21	2	215	.14	.226	7	35	.04	30	.01	8	.87	.01	.08	1	59	7800
22071 DR	9	30	36	271	.7	68	13	449	4.40	529	5	ND	10	143	1.4	256	2	93	.09	.064	32	21	.06	1442	.01	4	.78	.01	.10	1	200	2900
22072 DR	7	36	29	287	.8	39	9	226	3.22	304	5	ND	7	114	.5	25	2	53	.05	.046	31	8	.03	1049	.01	3	.67	.01	.16	1	53	4500
22073 DR	4	23	27	186	.3	37	13	553	3.50	437	5	ND	11	83	1.7	21	2	27	.85	.032	31	7	.05	1007	.01	3	.60	.01	.11	1	80	5200
22074 DR	2	14	28	85	.6	19	9	469	2.96	1345	5	ND	10	97	1.0	25	2	25	.84	.022	25	9	.07	561	.01	5	.45	.01	.09	1	1030	13000
22075 DR	2	16	29	135	.5	30	11	707	3.44	2636	5	ND	12	108	1.1	37	2	38	.87	.021	26	13	.06	504	.01	2	.54	.01	.08	2	910	10000
22076 DR	3	16	30	131	.3	22	10	772	3.28	618	5	ND	12	121	.9	25	2	55	2.99	.029	24	23	.48	707	.01	2	.61	.01	.05	1	230	7300
22077 DR	5	15	28	154	.2	34	12	811	3.35	206	5	ND	11	108	.6	22	2	56	1.41	.032	18	21	.23	716	.01	2	.66	.01	.05	1	66	6100
22078 DR	7	19	49	184	.2	42	12	830	4.06	263	5	ND	13	81	1.1	28	2	53	.46	.030	19	19	.15	623	.01	2	.67	.01	.05	1	77	6800
22079 DR	6	16	21	141	.2	43	11	821	3.83	201	5	ND	16	135	.8	15	2	63	2.44	.077	35	26	.46	646	.01	2	.72	.01	.07	1	38	4400
22080 DR	11	14	33	225	.2	73	14	1678	4.00	371	5	ND	13	88	1.2	26	2	53	.75	.033	22	21	.10	735	.01	2	.65	.01	.06	1	20	5400
22081 DR	6	12	27	110	.6	44	12	673	3.35	1182	5	2	12	80	.3	24	2	35	.13	.028	23	13	.03	618	.01	2	.56	.01	.07	1	2240	5800
STANDARD C/AU-R	17	57	37	131	6.6	71	31	1052	3.98	41	19	7	36	52	18.5	15	19	56	.46	.090	37	57	.89	181	.08	33	1.89	.06	.14	12	530	1500

BORE 90-300

BORE 90-301

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: CUTTING AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: NOV 1 1990 **DATE REPORT MAILED:** Nov 9/90. **SIGNED BY** ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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	Hg ppb
22082 DR	8	5	28	105	.7	35	6	381	2.04	1090	5	2	11	69	.2	40	2	20	.07	.029	31	7	.02	568	.01	7	.52	.01	.09	1	2310	6100
22083 DR	7	4	35	83	.7	15	2	130	2.07	1040	5	ND	11	75	.8	25	2	23	.09	.026	34	6	.03	490	.01	8	.55	.01	.10	1	930	3400
22084 DR	9	10	29	134	.4	24	5	208	3.08	1250	5	ND	10	84	1.5	31	2	39	.08	.037	25	8	.02	708	.01	5	.59	.01	.07	3	670	5800
22085 DR	34	19	25	314	.6	77	5	578	4.25	858	5	ND	7	138	3.2	42	2	52	.08	.065	30	7	.03	1018	.01	7	.61	.01	.12	1	720	1800
22086 DR	22	14	41	308	.7	78	10	896	3.64	938	5	ND	8	102	2.5	29	2	26	.11	.068	34	5	.04	492	.01	6	.61	.01	.17	1	320	3400
22087 DR	28	17	35	489	.5	87	10	217	3.49	715	5	ND	8	92	2.3	27	2	28	.08	.057	31	4	.05	800	.01	9	.87	.01	.15	1	150	8200
22088 DR	28	23	44	529	.5	94	14	730	4.75	1032	5	ND	8	121	3.4	31	2	46	.64	.055	23	14	.27	670	.01	4	.82	.01	.14	1	290	7600
22089 DR	9	15	33	323	.3	55	11	656	3.56	872	5	ND	6	203	2.3	21	2	39	2.08	.027	16	15	.79	310	.01	4	.69	.01	.12	1	310	9300
22090 DR	13	29	17	358	.7	79	10	251	2.52	312	5	ND	3	149	3.9	19	2	68	.89	.049	14	11	.44	94	.01	6	.61	.01	.15	1	83	6200
22091 DR	12	37	37	640	.7	112	11	119	2.10	136	5	ND	2	134	6.8	20	2	89	.38	.052	14	9	.20	76	.01	5	.76	.01	.15	1	60	5200
22092 DR	12	39	10	490	.7	139	10	121	2.30	111	5	ND	1	155	7.6	21	2	95	.83	.061	10	13	.50	71	.01	10	.84	.01	.16	1	23	3800
22093 DR	11	39	18	526	.4	113	12	120	2.86	129	5	ND	1	103	7.0	17	2	76	.42	.043	9	10	.23	58	.01	8	.80	.01	.18	1	17	4500
22094 DR	10	35	16	499	.4	104	12	145	2.69	94	5	ND	1	104	3.4	12	2	76	.24	.042	9	9	.13	56	.01	6	.68	.01	.15	1	11	6100
22095 DR	7	19	49	290	.6	56	13	454	4.44	660	5	ND	12	108	1.6	152	2	51	.06	.041	33	18	.04	748	.01	2	.73	.01	.06	1	160	3900
22098 DR	7	26	29	212	.3	43	7	204	3.88	455	5	ND	8	126	1.4	79	2	65	.07	.045	29	16	.04	1045	.01	6	.62	.01	.12	1	78	7500
22099 DR	3	29	33	314	.3	60	16	533	3.69	1434	5	ND	12	88	3.3	27	2	44	.09	.033	24	16	.03	720	.01	4	.68	.01	.08	2	510	10000
22100 DR	2	15	33	126	.2	25	11	737	3.65	180	5	ND	11	95	1.3	10	2	57	1.58	.036	21	22	.39	818	.01	3	.70	.01	.02	1	26	4100
22101 DR	3	13	25	145	.2	37	11	756	3.23	170	5	ND	10	93	.7	12	2	52	2.36	.032	17	22	.42	698	.01	4	.68	.01	.03	1	20	5400
22102 DR	3	15	33	125	.2	24	10	639	3.00	110	5	ND	11	108	1.1	11	2	55	2.34	.037	18	26	.77	929	.01	2	.75	.01	.02	1	17	5500
22103 DR	3	19	28	130	.2	35	11	956	4.50	159	5	ND	9	90	1.2	11	2	60	.41	.032	20	25	.14	721	.01	2	.70	.01	.02	1	28	4600
22104 DR	5	14	25	147	.2	40	11	915	4.19	194	5	ND	11	75	.5	14	2	61	1.16	.027	21	27	.33	646	.01	2	.65	.01	.04	1	54	4100
22105 DR	3	14	28	137	.2	33	11	797	3.99	128	5	ND	11	90	1.3	8	2	56	.75	.033	22	23	.32	1069	.01	2	.72	.01	.04	1	19	3400
22106 DR	10	12	32	241	.3	71	13	631	4.56	739	5	ND	12	68	1.7	22	2	44	.32	.025	23	18	.11	902	.01	3	.58	.01	.07	1	410	4300
22107 DR	12	14	29	294	.3	66	11	480	4.30	494	5	ND	13	65	1.0	12	2	44	.43	.024	19	17	.09	686	.01	5	.73	.01	.08	1	83	3100
22108 DR	7	14	16	226	.1	57	10	441	3.74	319	5	ND	16	79	.9	11	2	51	1.01	.083	43	22	.29	466	.01	2	.69	.01	.08	1	19	1800
22109 DR	15	14	53	400	.2	112	13	1354	4.92	716	5	ND	17	58	1.5	22	2	53	.32	.112	49	18	.10	416	.01	2	.74	.01	.08	1	41	2300
22110 DR	30	14	38	526	.2	147	14	822	5.58	862	5	ND	16	171	1.5	37	2	51	.13	.067	40	20	.04	1093	.01	3	.80	.01	.07	1	12	3100
22111 DR	20	13	26	441	.2	106	13	533	4.68	591	5	ND	13	69	1.6	21	2	55	.39	.048	27	19	.13	1302	.01	2	.62	.01	.07	1	10	2200
22112 DR	18	27	8	474	.1	145	18	500	4.58	549	5	ND	13	97	.8	14	2	49	.26	.107	45	20	.05	801	.01	3	.83	.01	.12	1	4	1300
22113 DR	27	21	44	481	.4	106	17	948	4.73	618	5	ND	7	74	1.2	29	2	28	.23	.079	38	8	.07	894	.01	5	.73	.01	.15	1	19	880
22114 DR	21	11	35	401	.5	61	10	334	3.61	894	5	ND	9	88	1.2	19	2	19	.37	.073	27	6	.13	144	.01	9	.69	.01	.18	1	260	1800
22115 DR	18	12	34	673	.3	70	12	523	4.01	354	5	ND	9	83	.9	17	2	28	.73	.082	28	9	.35	189	.01	2	.78	.01	.14	1	46	900
22116 DR	6	13	24	906	.3	199	20	668	3.89	265	5	ND	7	72	1.6	16	2	40	.63	.092	26	16	.56	102	.01	2	1.27	.01	.18	1	110	620
22117 DR	3	13	15	523	.2	79	15	703	3.84	56	5	ND	10	129	1.1	11	2	65	1.31	.099	31	32	1.15	204	.07	2	1.62	.03	.31	1	19	110
22118 DR	2	12	20	612	.2	99	16	828	3.42	86	5	ND	10	175	1.0	16	2	47	2.06	.102	31	21	.80	304	.02	2	1.02	.01	.17	1	14	160
22119 DR	3	15	16	437	.3	57	11	811	3.26	622	5	ND	8	330	2.3	14	2	33	2.65	.089	23	17	.98	106	.01	2	.71	.01	.15	1	160	1100
STANDARD C/AU-R	18	58	38	131	6.7	71	31	1052	3.97	43	16	7	37	53	18.7	15	19	56	.46	.089	37	58	.89	182	.07	34	1.89	.06	.14	11	520	1400

90-301

BORC 90-302

Noranda Exploration Co. Ltd. PRO ' 9011-013 FILE # 90-5700 Pa

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	Hg ppb
22120 DR	7	20	40	285	.2	51	14	610	4.50	478	5	ND	15	96	1.5	62	2	65	.18	.074	39	24	.18	916	.03	2	.97	.01	.10	1	170	4600
22121 DR	7	22	38	242	.2	46	14	603	4.26	529	5	ND	16	106	1.7	92	2	71	.27	.088	45	30	.25	1159	.04	4	1.15	.01	.13	1	150	3200
22122 DR	6	22	43	232	.4	43	14	660	3.96	385	5	ND	16	77	1.4	50	2	71	.37	.097	47	31	.37	1146	.07	2	1.38	.01	.17	1	210	2700
22123 DR	4	18	32	214	.2	52	11	429	3.70	182	5	ND	17	77	1.3	65	2	80	.41	.104	43	34	.59	1201	.14	2	1.50	.02	.25	1	68	2400
22124 DR	2	17	29	188	.2	52	12	421	3.74	131	5	ND	16	63	1.0	82	2	83	.53	.108	48	35	.77	1220	.17	2	1.86	.03	.32	1	71	950
22125 DR	3	56	29	397	.4	81	19	600	3.54	612	5	ND	10	83	4.7	23	2	45	.10	.041	40	15	.09	1093	.01	3	.91	.01	.15	1	140	1600
22126 DR	5	33	17	111	.7	24	4	55	1.70	334	5	ND	5	117	.3	13	2	49	.14	.030	25	7	.07	891	.01	6	.58	.01	.18	1	210	1900
22127 DR	6	45	21	290	.2	65	12	117	3.30	172	5	ND	7	153	1.2	7	2	59	.13	.044	31	12	.09	1070	.01	5	.83	.01	.21	1	27	920
22128 DR	11	42	18	391	.2	77	12	185	4.23	307	5	ND	7	114	1.0	18	2	57	.10	.044	31	12	.07	1815	.01	6	.67	.01	.19	1	14	2400
22129 DR	16	39	30	368	.2	109	14	373	4.52	616	5	ND	14	82	2.2	26	2	38	.07	.034	25	16	.04	1106	.01	9	.74	.01	.09	1	7	5700
22130 DR	4	16	19	141	.1	33	9	592	3.24	131	5	ND	14	132	.9	8	2	48	2.20	.082	32	23	.41	773	.01	2	.60	.01	.10	1	8	2900
22131 DR	5	14	13	199	.1	50	11	603	3.69	208	5	ND	15	93	1.1	8	2	53	1.56	.082	35	21	.20	680	.01	4	.65	.01	.10	1	6	3800
22132 DR	4	14	25	201	.1	42	10	537	3.60	161	5	ND	16	100	.6	9	2	65	1.28	.073	34	23	.34	794	.01	2	.71	.01	.05	1	5	3600
22133 DR	5	17	23	208	.2	39	11	453	4.11	206	5	ND	17	79	1.0	9	2	72	.61	.110	52	31	.45	2082	.07	2	1.31	.02	.30	1	31	3700
22134 DR	9	15	28	336	.1	66	12	479	3.99	310	5	ND	17	72	1.5	11	2	63	.29	.073	36	22	.07	766	.01	2	.61	.01	.06	1	13	2900
22135 DR	10	8	24	379	.1	80	13	837	4.21	279	5	ND	16	110	1.2	11	2	55	.46	.043	29	23	.08	895	.01	2	.68	.01	.07	1	10	2700
22136 DR	25	14	21	611	.1	135	21	1615	5.27	582	5	ND	12	89	1.0	20	2	55	.11	.042	23	19	.05	902	.01	5	.68	.01	.06	1	14	2500
22137 DR	14	16	16	401	.1	73	13	879	4.37	353	5	ND	15	142	1.1	15	2	54	1.24	.088	44	27	.49	887	.01	2	.68	.01	.10	1	19	1800
22138 DR	21	17	16	535	.1	91	20	1539	4.78	606	5	ND	14	172	1.1	21	2	56	1.50	.085	45	29	.56	1002	.01	2	.67	.01	.09	1	16	2300
22139 DR	19	16	20	525	.3	74	13	606	3.63	528	5	ND	8	142	1.7	20	2	36	.82	.082	26	12	.34	610	.01	4	.63	.01	.14	1	130	2100
22140 DR	13	9	28	552	.1	64	11	541	3.46	193	5	ND	9	70	1.2	16	2	27	.75	.082	24	8	.34	357	.01	4	.64	.01	.15	1	10	1100
22141 DR	9	25	39	672	.3	57	10	525	3.49	235	5	ND	6	95	1.5	26	2	24	.73	.093	20	6	.35	118	.01	4	.64	.01	.16	1	34	1200
22142 DR	10	27	23	433	1.0	62	9	429	2.98	326	5	ND	6	132	1.9	27	2	38	1.18	.089	21	12	.51	103	.01	8	.60	.01	.14	1	120	1100
22143 DR	4	14	21	227	.2	71	11	623	3.05	76	5	ND	9	120	.7	12	2	51	2.32	.110	27	22	.80	119	.01	2	.98	.01	.14	1	15	610
22144 DR	5	24	32	197	.2	35	12	812	3.67	417	5	ND	13	100	1.8	93	2	68	.21	.079	40	27	.19	1078	.03	3	1.11	.01	.10	1	140	2600
22145 DR	1	18	21	125	.2	19	10	825	3.21	99	5	ND	15	71	1.4	30	2	86	.65	.107	46	38	.80	1659	.21	2	1.84	.04	.26	1	26	290
22146 DR	1	17	20	99	.2	15	9	527	2.89	70	5	ND	15	71	1.7	22	2	82	.61	.107	39	37	.83	1578	.21	2	1.68	.05	.34	1	32	90
22147 DR	1	18	24	102	.2	12	8	539	2.98	39	5	ND	15	70	1.3	14	2	85	.60	.104	41	36	.93	1530	.23	2	1.63	.05	.40	1	20	60
22148 DR	2	17	28	157	.4	20	9	650	3.27	939	5	ND	14	79	1.8	91	2	54	.35	.095	41	22	.35	1348	.06	2	1.07	.01	.21	1	1060	2800
22149 DR	3	13	20	154	.2	31	10	483	3.27	425	5	ND	14	50	1.4	58	2	43	.29	.095	40	12	.30	756	.02	3	.97	.02	.16	1	380	860
22150 DR	5	43	21	205	.3	31	5	64	1.87	37	5	ND	7	114	.2	9	2	44	.14	.042	30	8	.07	1049	.01	7	.77	.02	.19	1	18	100
22151 DR	4	37	20	349	.2	89	21	224	2.86	26	5	ND	6	84	.8	5	2	41	.10	.036	30	9	.06	1105	.01	5	.77	.01	.20	1	6	70
22152 DR	6	32	14	111	.2	23	4	57	1.80	58	5	ND	5	127	.2	7	2	53	.10	.044	23	6	.05	1139	.01	9	.60	.01	.20	1	20	80
22153 DR	5	28	14	220	.4	51	12	474	3.04	49	5	ND	9	74	2.9	6	2	39	.50	.100	35	7	.06	844	.01	6	.64	.01	.17	1	16	230
22154 DR	4	36	15	322	.5	66	14	332	3.12	70	5	ND	9	93	3.4	5	2	35	.42	.080	34	11	.09	951	.01	10	.75	.01	.17	1	21	170
22155 DR	5	35	22	231	.2	62	12	109	2.54	84	5	ND	5	150	3.9	9	2	40	.12	.042	20	9	.07	1336	.01	7	.81	.01	.19	1	33	520
STANDARD C/AU-R	17	57	42	131	6.7	73	31	1051	3.97	42	20	8	36	53	18.6	15	18	56	.45	.091	37	57	.91	181	.08	31	1.89	.06	.14	11	510	1600

BCRC 90-303

BCRC 90-304

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	HG ppb
22156 DR	8	29	16	153	.5	45	7	51	1.35	62	5	ND	7	162	3.2	6	2	63	.13	.049	21	9	.06	1723	.01	6	.59	.01	.14	1	6	630
22157 DR	7	30	17	253	.2	54	10	51	2.31	35	5	ND	7	122	3.0	4	2	54	.12	.045	28	7	.06	1591	.01	7	.67	.01	.17	1	3	390
22158 DR	5	40	21	431	.4	98	19	92	3.44	58	5	ND	10	106	1.5	11	2	45	.10	.036	34	10	.06	1240	.01	8	.70	.01	.19	1	1	520
22159 DR	8	26	30	301	.4	77	16	288	3.49	408	5	ND	13	139	2.2	19	2	57	.11	.058	30	16	.06	1392	.01	6	.62	.01	.12	1	49	660
22160 DR	17	14	36	527	.3	94	20	1039	4.85	292	5	ND	17	85	1.2	19	2	69	.17	.036	19	25	.11	1471	.01	6	.65	.01	.04	1	3	3800
22161 DR	16	11	27	614	.2	86	17	840	4.50	349	6	ND	15	83	.8	21	2	60	.55	.031	17	22	.25	772	.01	2	.58	.01	.04	1	18	3500
22162 DR	15	14	27	504	.1	84	14	958	4.32	817	5	ND	13	114	1.2	23	2	51	1.20	.034	17	19	.53	720	.01	3	.70	.01	.06	1	680	3400
22163 DR	8	14	24	320	.2	45	12	809	3.50	369	5	ND	13	111	.9	12	2	56	2.01	.032	15	21	.81	768	.01	8	.53	.01	.04	1	260	3500
22164 DR	8	14	29	393	.1	46	11	720	3.28	264	5	ND	12	136	1.3	9	2	49	1.91	.029	16	18	.75	685	.01	2	.51	.01	.06	1	69	2000
22165 DR	10	14	33	406	.2	55	12	693	3.36	231	5	ND	14	116	1.0	9	2	59	1.87	.042	20	21	.76	911	.01	10	.66	.01	.05	1	87	1500
22166 DR	7	15	21	269	.1	42	12	741	3.57	172	5	ND	15	228	.5	9	2	56	2.87	.092	38	23	1.03	1132	.01	8	.63	.01	.08	1	95	1300
22167 DR	6	20	20	494	.2	50	12	732	3.09	403	5	ND	12	220	1.3	16	2	48	2.37	.076	31	18	.86	434	.01	2	.61	.01	.10	1	80	1200
22168 DR	5	16	36	371	.3	34	8	685	2.62	242	5	ND	6	242	.7	14	2	36	3.16	.052	15	10	1.00	250	.01	2	.54	.01	.07	1	32	3700
22169 DR	5	20	28	229	.1	37	13	904	3.60	352	5	ND	18	89	.4	301	2	78	.23	.086	38	31	.07	965	.01	2	.77	.01	.05	1	51	3900
22170 DR	5	20	30	216	.4	38	13	941	3.71	370	5	ND	17	90	1.0	291	2	75	.22	.085	38	29	.09	1029	.01	3	1.06	.01	.08	1	150	3800
22171 DR	5	13	32	152	.8	30	11	1017	3.87	1948	5	2	13	106	.4	205	2	28	.12	.046	38	8	.05	1171	.01	2	.60	.01	.12	1	1320	6800
22172 DR	5	12	28	144	.6	25	11	933	3.60	1524	5	ND	13	111	.6	173	2	30	.16	.047	35	8	.06	1141	.01	4	.68	.01	.12	1	1070	6300
22173 DR	5	21	37	204	.4	39	14	902	4.06	960	5	ND	12	89	1.0	158	2	41	.15	.044	34	14	.07	971	.01	6	.71	.01	.12	1	600	4600
22174 DR	5	31	27	216	.2	42	9	313	2.88	300	5	ND	10	95	.7	50	3	57	.12	.042	35	16	.07	1492	.01	11	1.25	.02	.30	1	130	1600
22175 DR	5	38	23	122	.3	24	4	73	2.06	77	5	ND	7	89	.4	13	3	48	.10	.035	27	7	.04	1236	.01	10	.59	.01	.19	1	27	260
22176 DR	5	32	22	249	.3	50	8	88	2.28	62	5	ND	10	99	1.0	10	4	49	.15	.069	30	9	.04	1287	.01	12	.61	.02	.18	1	1	210
22177 DR	7	27	19	128	.3	32	6	63	1.71	55	5	ND	7	114	.8	9	2	47	.11	.038	21	7	.04	1558	.01	9	.59	.01	.19	1	1	160
22178 DR	6	38	17	170	.1	37	7	55	1.70	31	5	ND	8	98	.2	5	2	42	.10	.026	29	7	.05	1548	.01	6	.70	.01	.18	1	38	80
22179 DR	5	35	16	133	.1	48	9	82	1.98	25	5	ND	8	122	1.7	5	3	38	.10	.040	29	8	.05	1536	.01	3	.67	.01	.19	1	1	110
22180 DR	9	37	14	203	.4	45	9	75	2.26	63	5	ND	5	188	1.3	7	2	71	.10	.060	19	7	.05	1814	.01	6	.67	.01	.17	1	11	160
22181 DR	9	48	16	263	.3	63	8	34	2.54	60	5	ND	6	255	.9	6	3	55	.09	.063	20	9	.05	1670	.01	6	.86	.01	.18	1	1	280
22182 DR	7	38	17	243	.6	70	15	81	2.49	48	5	ND	8	103	7.0	6	3	39	.08	.036	25	6	.17	165	.01	5	.62	.01	.18	1	4	240
22183 DR	4	36	21	483	.1	107	25	351	4.02	34	5	ND	9	97	6.7	6	2	38	.17	.047	34	9	.57	261	.01	4	.79	.02	.22	1	3	330
22184 DR	7	43	25	589	.1	133	27	251	2.86	42	5	ND	7	84	9.0	12	2	38	.14	.046	32	7	.26	150	.01	4	.83	.01	.21	1	1	800
22185 DR	6	44	19	593	.2	125	23	358	3.70	46	5	ND	8	85	5.9	13	2	39	.17	.043	30	9	.48	101	.01	11	.83	.02	.26	1	1	850
22186 DR	7	41	21	440	.4	120	19	252	3.33	61	5	ND	7	127	2.1	10	2	40	.48	.032	25	7	.47	50	.01	6	.61	.01	.21	1	1	1600
22187 DR	5	22	58	486	.2	47	14	725	3.45	290	5	ND	7	180	2.2	12	9	46	2.99	.037	18	14	1.05	78	.01	6	.66	.01	.15	1	6	9200
22188 DR	17	35	32	706	.2	97	16	694	3.73	394	5	ND	8	110	2.7	21	2	40	1.25	.026	21	12	.54	124	.01	8	.64	.01	.18	1	1	6700
22189 DR	16	20	25	512	.2	69	14	710	3.43	1293	5	ND	10	231	1.6	24	2	27	1.94	.026	16	10	.71	204	.01	7	.54	.01	.14	1	160	6400
22190 DR	17	21	25	511	.1	72	13	885	4.03	1467	5	ND	10	260	1.4	25	2	27	2.54	.025	14	11	.91	293	.01	2	.48	.01	.12	1	300	4600
22191 DR	7	14	27	373	.1	34	11	823	3.75	684	5	ND	12	138	.7	17	6	43	2.41	.020	14	17	.94	480	.01	2	.44	.01	.06	2	250	6300
STANDARD C/AU-R	20	59	36	133	6.6	72	32	1054	3.97	40	17	7	38	52	19.1	14	23	58	.46	.097	39	60	.90	189	.08	34	1.89	.06	.14	11	520	1400

90-304

90-305

BCRC

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90-306

BORC

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	RG ppb
22192 DR	8	20	23	390	.1	36	11	902	3.57	1049	5	ND	11	230	.9	15	2	43	2.85	.020	14	16	1.03	408	.01	2	.43	.01	.06	1	370	3200
22193 DR	9	16	23	387	.1	39	11	869	3.68	555	5	ND	10	116	.9	13	2	48	2.50	.020	14	18	.98	546	.01	3	.50	.01	.06	1	110	5100
22194 DR	10	19	21	546	.1	43	11	902	3.77	229	5	ND	11	101	.2	12	2	56	2.50	.025	18	20	1.01	607	.01	2	.56	.01	.05	2	45	3100
22195 DR	7	21	19	314	.1	42	10	710	3.43	190	5	ND	15	107	.5	10	2	61	2.11	.065	28	22	.83	525	.01	3	.57	.01	.07	1	55	3600
22196 DR	11	19	26	446	.3	49	12	880	3.92	578	5	ND	14	112	.4	18	2	55	2.60	.035	20	21	1.03	598	.01	2	.58	.01	.06	2	340	4500
22197 DR	8	19	25	336	.1	42	11	834	3.83	182	5	ND	15	120	.8	10	2	59	2.20	.050	28	22	.89	702	.01	2	.66	.01	.07	1	56	2300
22198 DR	5	19	23	260	.1	30	10	807	3.42	137	5	ND	12	95	.3	8	2	54	2.57	.027	20	19	.99	637	.01	2	.52	.01	.05	1	9	1900
22199 DR	3	22	23	559	.1	36	12	833	3.27	72	5	ND	13	110	.5	7	2	53	2.41	.086	40	19	.90	462	.01	3	.55	.01	.08	1	2	1500
22200 DR	3	20	21	254	.1	26	11	753	3.38	96	5	ND	14	209	.6	8	2	53	3.46	.091	33	19	1.18	89	.01	3	.59	.01	.09	1	5	1100
22201 DR	3	19	25	275	.1	25	9	769	3.15	127	5	ND	14	265	.8	7	2	55	4.61	.083	36	22	1.41	584	.01	2	.60	.01	.08	1	72	780
22202 DR	9	36	22	325	.4	56	8	535	2.33	84	5	ND	6	268	3.1	18	2	71	2.00	.098	17	14	.66	97	.01	3	.55	.01	.11	1	22	920
22203 DR	8	20	55	227	.5	36	11	967	4.45	802	5	ND	13	95	1.0	204	2	42	.10	.040	34	12	.05	757	.01	2	.62	.01	.10	1	350	3700
22204 DR	9	28	27	231	.5	36	7	270	2.59	195	5	ND	8	71	1.1	54	2	49	.14	.039	26	7	.05	996	.01	3	.57	.01	.18	1	74	850
22205 DR	8	28	20	159	.5	29	5	123	2.40	42	5	ND	6	84	.3	16	2	48	.15	.042	22	7	.05	1038	.01	8	.51	.01	.18	1	16	210
22206 DR	8	30	15	208	.2	51	10	235	2.51	44	5	ND	6	86	1.2	15	2	46	.13	.039	27	7	.05	989	.01	7	.58	.02	.21	1	6	160
22207 DR	8	47	20	186	.2	32	7	73	2.42	36	5	ND	6	96	.6	9	2	39	.11	.036	23	7	.04	1215	.01	4	.63	.02	.18	1	2	90
22208 DR	14	26	14	87	1.0	18	3	15	1.33	30	5	ND	5	173	1.0	10	2	102	.04	.069	12	13	.04	1708	.01	10	.70	.01	.19	1	7	60
22209 DR	9	45	17	177	.2	25	5	15	2.19	26	5	ND	4	129	.4	5	2	88	.02	.058	17	11	.03	907	.01	9	.81	.02	.23	1	4	50
22210 DR	5	51	21	185	.3	41	7	35	2.03	21	5	ND	8	123	1.3	6	2	51	.02	.045	28	9	.03	1191	.01	7	.80	.02	.21	1	4	60
22211 DR	8	65	19	346	.3	75	27	197	2.88	25	5	ND	9	121	4.8	8	2	45	.09	.047	33	7	.05	1275	.01	2	.69	.01	.18	1	7	30
22212 DR	12	46	17	219	.2	63	13	164	2.01	38	5	ND	7	168	3.2	7	2	56	.14	.050	27	7	.07	1521	.01	6	.72	.01	.20	1	6	150
22213 DR	13	39	8	200	1.3	97	12	278	1.89	128	5	ND	1	374	3.3	12	2	225	.31	.164	7	26	.05	2164	.01	6	.58	.01	.13	2	4	220
22214 DR	16	44	15	295	.8	95	12	248	2.03	133	5	ND	2	283	3.4	15	2	178	.43	.132	10	19	.15	792	.01	9	.70	.01	.17	1	6	270
22215 DR	25	68	13	512	.8	104	9	194	2.34	140	5	ND	2	338	8.5	21	2	194	1.58	.257	10	24	.56	122	.01	8	.95	.02	.18	2	1	300
22216 DR	13	66	14	383	.3	158	19	70	2.59	76	5	ND	2	133	9.7	10	2	68	.37	.079	10	8	.15	21	.01	7	.82	.01	.20	1	1	660
22217 DR	19	60	8	320	.8	130	14	154	2.50	78	5	ND	1	229	4.1	12	2	129	.97	.194	6	18	.35	22	.01	6	.85	.02	.19	1	3	560
22218 DR	9	37	31	420	.3	109	16	205	3.33	513	5	ND	4	101	5.1	13	2	38	.40	.030	16	5	.36	25	.01	6	.61	.01	.20	1	2	1800
22219 DR	11	43	16	414	.3	151	15	86	2.39	52	5	ND	3	127	13.4	11	2	54	.41	.054	14	7	.21	24	.01	6	.78	.01	.20	1	1	1100
22220 DR	3	21	118	361	.3	43	10	847	3.27	1928	5	ND	5	322	3.0	20	2	25	3.78	.045	14	7	1.21	65	.01	3	.63	.01	.12	1	550	3200
22221 DR	9	34	39	446	.1	75	10	288	2.53	421	5	ND	2	145	2.7	9	2	51	.92	.036	13	8	.41	34	.01	3	.49	.01	.14	2	210	1700
22222 DR	12	43	22	599	.4	83	9	176	1.94	245	5	ND	2	165	4.7	10	2	129	.45	.104	11	18	.17	37	.01	8	.56	.01	.13	2	79	1300
22223 DR	17	48	20	531	.4	76	7	240	1.60	202	5	ND	1	228	5.7	14	2	299	.63	.127	8	40	.27	55	.02	3	.53	.01	.09	4	31	1500
22224 DR	5	32	21	313	.2	46	10	487	2.63	621	5	ND	8	363	1.9	12	2	38	2.65	.087	19	8	.86	69	.01	2	.46	.01	.14	1	80	2300
22225 DR	6	20	24	322	.1	38	9	588	2.68	277	5	ND	10	298	1.3	10	2	31	3.09	.039	13	12	.99	262	.01	3	.50	.01	.11	1	39	4100
22226 DR	5	22	21	389	.1	45	12	626	2.62	190	5	ND	10	217	1.9	8	2	48	3.21	.036	17	16	1.05	256	.01	2	.51	.01	.08	1	24	2600
22227 DR	5	21	27	301	.1	37	11	744	3.28	169	5	ND	10	115	.8	10	2	57	1.95	.034	17	21	.84	559	.01	2	.52	.01	.05	1	15	3600
STANDARD C/AU-R	19	60	38	133	7.3	72	32	1054	3.97	42	16	7	40	52	19.0	14	23	57	.46	.095	39	58	.90	182	.07	34	1.89	.06	.13	13	510	1500

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SAMPLE#	Mo ppm	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Ni ppm	Co ppm	Mn ppm	Fe %	As ppm	U ppm	Au ppb	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	NG ppb
22228 DR	6	18	27	569	.1	40	12	854	3.75	129	5	ND	11	117	.8	15	2	52	2.84	.034	15	21	1.01	339	.01	8	.54	.01	.04	1	4	3500
22229 DR	5	15	29	415	.1	39	10	716	3.18	131	5	ND	11	163	.9	9	2	54	3.78	.033	16	19	1.24	275	.01	4	.52	.01	.06	1	5	1900
22230 DR	6	8	18	669	.1	58	11	811	3.21	87	5	ND	15	145	.8	12	2	56	2.46	.089	30	18	.95	724	.01	2	.70	.01	.10	1	5	1200
22231 DR	4	17	11	169	.1	38	9	417	2.59	61	5	ND	12	151	1.2	7	2	71	1.87	.083	36	26	.87	482	.08	2	1.32	.02	.30	1	9	380
22232 DR	5	17	19	337	.2	70	10	428	2.74	81	5	ND	12	120	1.1	7	2	66	1.34	.082	35	21	.73	336	.05	2	1.21	.02	.24	1	11	500
22233 DR	9	36	17	178	.6	39	7	100	2.99	74	5	ND	8	113	1.2	17	4	46	.18	.045	27	8	.07	805	.01	6	.59	.01	.22	1	3	380
22234 DR	7	49	20	215	.4	49	10	328	3.14	31	5	ND	7	144	2.7	6	2	45	.16	.053	23	8	.05	892	.01	8	.60	.01	.21	1	9	410
22235 DR	10	40	20	104	.6	19	2	27	1.72	32	6	ND	5	143	.6	9	2	45	.13	.047	19	7	.04	1281	.01	7	.49	.01	.17	1	3	260
22236 DR	13	35	18	131	1.4	57	3	31	1.24	29	8	ND	4	417	1.1	8	2	152	.28	.139	11	20	.05	1537	.01	9	.68	.01	.16	1	6	330
22237 DR	16	65	23	206	.8	51	6	59	1.82	64	5	ND	4	311	2.1	11	2	142	.24	.133	17	19	.04	1256	.01	5	.72	.01	.17	1	23	260
22238 DR	10	80	13	250	.3	48	9	59	2.22	56	5	ND	8	184	1.6	11	2	56	.12	.060	30	7	.05	1538	.01	7	.70	.01	.20	1	1	290
22239 DR	17	59	17	252	.6	58	5	110	2.35	187	5	ND	7	153	2.5	14	2	88	.16	.067	26	9	.05	1416	.01	7	.68	.01	.22	1	2	300
22240 DR	12	45	21	246	.5	50	6	121	2.49	72	5	ND	7	114	1.0	12	2	66	.15	.051	26	7	.05	1383	.01	10	.61	.01	.21	1	2	310
22241 DR	24	56	18	313	.5	83	10	205	3.22	82	5	ND	8	93	1.8	9	5	72	.18	.048	31	8	.07	1682	.01	9	.71	.01	.21	1	2	300
22242 DR	17	48	19	346	.4	84	11	337	2.99	86	9	ND	8	97	3.3	12	2	60	.16	.045	32	8	.07	1499	.01	13	.78	.01	.21	1	3	370
22243 DR	17	36	15	327	.3	70	17	338	2.47	135	5	ND	7	108	3.2	10	2	53	.12	.047	27	6	.07	1257	.01	10	.71	.01	.18	1	3	550
22244 DR	23	46	16	350	.7	90	13	212	2.92	151	5	ND	5	112	3.4	13	2	93	.10	.058	18	12	.07	100	.01	8	.75	.01	.18	1	5	880
22245 DR	13	19	18	173	.4	86	10	63	1.44	72	5	ND	3	68	2.6	9	2	63	.06	.033	14	9	.04	99	.01	10	.53	.01	.16	1	1	1500
22246 DR	15	38	22	284	.6	129	12	56	2.42	140	7	ND	6	97	3.1	15	5	65	.11	.050	19	8	.06	31	.01	6	.65	.01	.18	1	2	860
22247 DR	16	47	25	414	.8	121	12	46	2.46	137	5	ND	5	94	3.9	16	2	65	.15	.061	14	10	.07	18	.01	8	.71	.01	.17	1	1	800
22248 DR	15	47	26	310	.9	101	9	484	3.18	455	5	ND	2	224	5.1	16	2	197	1.72	.181	9	27	.66	18	.01	9	.61	.01	.14	2	48	1500
22249 DR	7	33	40	224	.8	55	11	513	3.30	592	5	ND	14	279	1.9	19	5	41	1.95	.083	27	12	.90	35	.01	3	.48	.01	.15	1	130	1400
22250 DR	7	25	99	291	.6	23	12	522	5.87	203	8	ND	80	210	.8	10	3	45	.87	.087	153	2	.97	205	.04	6	.88	.01	.20	1	51	8100
22251 DR	11	28	110	327	.7	31	13	1011	5.78	659	7	ND	80	302	1.7	13	2	37	1.33	.071	128	2	.78	61	.01	3	.47	.01	.11	1	210	3300
22252 DR	7	26	54	526	.5	40	13	725	3.70	121	9	ND	41	171	2.0	7	2	57	1.12	.088	81	15	.62	247	.01	4	.62	.01	.10	1	14	1800
22253 DR	4	22	22	209	.3	32	10	684	3.57	111	5	ND	15	125	1.3	5	2	56	2.48	.031	24	20	1.01	356	.01	7	.60	.01	.06	1	1	2600
22254 DR	4	17	19	153	.5	26	9	537	2.87	39	10	ND	15	134	.9	4	5	72	2.27	.091	39	31	1.04	562	.06	8	1.23	.02	.28	1	15	620
22255 DR	4	14	15	148	.3	32	8	448	2.65	24	5	ND	14	116	.7	5	2	72	1.85	.090	37	32	1.01	548	.08	4	1.41	.03	.33	1	7	130
22256 DR	9	27	52	256	.1	37	10	603	3.68	83	5	ND	37	269	1.3	5	2	60	1.31	.074	80	11	.62	269	.07	19	1.04	.03	.39	1	3	150
22257 DR	9	26	100	221	.6	17	10	817	4.74	68	8	ND	86	300	1.2	7	5	50	1.07	.083	140	5	.57	313	.16	7	1.19	.02	.62	1	3	260
22258 DR	6	39	16	155	.9	40	10	424	1.96	73	5	ND	6	85	1.8	32	2	57	.22	.057	14	17	.17	1475	.01	9	.83	.01	.15	1	41	570
22259 DR	14	46	29	350	1.6	62	8	73	2.08	45	5	ND	6	234	3.7	20	2	84	.46	.189	21	15	.06	2463	.01	9	.85	.01	.16	2	8	270
22260 DR	4	22	17	140	.5	36	6	62	1.35	27	5	ND	8	106	3.0	8	2	29	.16	.033	25	7	.05	1010	.01	7	.49	.01	.17	1	7	100
22261 DR	5	33	16	389	.4	69	17	112	3.64	31	5	ND	12	49	2.4	7	2	36	.10	.036	37	10	.05	824	.01	2	.64	.01	.19	1	5	60
22262 DR	11	56	10	302	1.1	54	11	50	3.12	55	5	ND	10	177	3.2	8	2	91	.20	.182	27	15	.04	1587	.01	7	.66	.01	.18	2	4	120
22263 DR	8	31	15	203	.6	29	6	24	2.91	31	5	ND	7	68	.6	7	2	34	.11	.043	23	6	.04	639	.01	3	.43	.01	.16	1	2	200
STANDARD C/AU-R	19	57	38	131	7.2	73	32	1053	3.97	44	19	7	38	55	18.9	15	18	56	.46	.093	38	59	.89	182	.07	33	1.89	.06	.14	11	520	1300

BERC 90-307

BERC 90-308

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	Hg ppb
22264 DR	7	40	13	341	.5	45	10	168	3.67	40	5	ND	6	79	2.5	8	2	43	.07	.051	27	8	.20	671	.01	5	.63	.01	.21	1	6	330
22265 DR	5	76	22	250	.5	28	8	300	2.83	223	5	ND	6	192	3.4	27	2	31	.99	.059	26	10	.45	285	.01	2	.63	.01	.16	1	35	1600
22266 DR	2	18	27	253	.3	32	11	787	3.45	338	5	ND	7	364	6.8	18	2	23	3.32	.105	20	12	1.13	142	.01	3	.59	.01	.13	1	62	1100
22267 DR	5	40	14	344	.5	62	12	502	3.42	325	5	ND	6	263	5.9	18	2	36	1.36	.077	23	12	.59	83	.01	3	.65	.01	.15	1	34	1400
22268 DR	4	31	41	256	.6	43	12	630	3.58	537	5	ND	4	242	1.6	44	2	22	1.52	.053	16	8	.50	46	.01	4	.46	.01	.15	1	46	1500
22269 DR	2	14	51	185	.7	17	9	1222	3.55	553	5	ND	6	192	1.3	431	2	22	2.70	.029	12	12	.84	74	.01	3	.43	.01	.10	1	120	4400
22270 DR	1	13	131	226	2.2	10	8	1190	3.60	2046	5	ND	4	212	2.2	365	2	18	2.83	.023	9	8	.89	68	.01	3	.40	.01	.12	1	1240	4200
22271 DR	2	14	194	228	7.8	9	7	1223	3.16	2793	5	3	4	205	2.6	804	2	18	2.82	.020	9	9	.90	112	.01	3	.38	.01	.10	1	3420	3600
22272 DR	1	15	197	383	2.5	15	9	1722	3.95	948	5	ND	6	231	4.4	300	2	24	2.86	.034	12	12	.89	98	.01	2	.49	.01	.11	1	330	4300
22273 DR	2	12	56	125	.6	12	9	894	3.08	871	5	ND	9	283	.8	80	5	31	2.71	.034	15	17	.91	397	.01	2	.49	.01	.08	1	360	4500
22274 DR	2	15	80	244	1.0	13	9	1308	3.45	723	5	ND	10	266	2.3	118	2	43	2.63	.057	21	20	.84	392	.01	2	.56	.01	.08	1	620	3300
22275 DR	2	22	212	630	3.5	14	8	1982	3.45	2213	5	3	7	325	7.1	669	2	27	2.92	.031	17	13	.89	45	.01	3	.46	.01	.09	1	3440	4100
22276 DR	2	17	66	276	.3	19	11	1166	3.73	381	5	ND	13	187	1.7	108	2	63	1.59	.063	31	23	.48	669	.01	2	.69	.01	.04	1	280	3700
22277 DR	2	16	24	151	.4	14	10	983	3.49	1678	5	2	12	147	1.1	68	2	59	2.37	.047	21	25	.76	628	.01	2	.64	.01	.04	2	1530	8300
22278 DR	1	15	35	157	.5	14	10	1036	3.40	2101	5	2	13	193	1.5	189	2	48	2.73	.074	32	23	.91	372	.01	2	.60	.01	.07	2	1200	9200
22279 DR	2	14	24	118	.4	12	8	1014	3.41	735	5	ND	13	251	1.1	59	2	37	3.72	.096	39	17	1.17	222	.01	4	.59	.01	.14	1	310	6400
22280 DR	2	15	37	154	.5	14	9	729	2.89	715	5	ND	15	147	1.3	854	2	54	2.25	.078	38	22	.77	419	.01	2	.57	.01	.05	1	680	4100
22281 DR	1	50	2305	983	10.7	9	7	1618	3.03	2017	5	4	1	270	11.3	15565	2	36	3.28	.020	14	17	1.14	114	.01	2	.44	.01	.06	1	3620	8000
22282 DR	2	15	86	189	.6	13	11	1176	3.54	754	5	ND	9	137	1.4	258	2	53	1.65	.030	18	22	.75	483	.01	2	.60	.01	.05	2	290	8300
22283 DR	1	10	56	230	.4	11	9	929	2.93	745	5	ND	7	136	1.3	85	2	34	2.20	.053	18	13	.81	496	.01	2	.54	.01	.07	1	1030	3200
22284 DR	1	8	66	359	.3	13	11	736	3.41	101	5	ND	10	83	2.0	62	2	45	1.34	.082	35	13	.65	426	.01	2	.62	.01	.09	1	28	1500
22285 DR	6	34	39	285	.3	70	14	263	3.46	378	5	ND	5	110	1.4	219	2	38	.59	.048	20	11	.42	47	.01	2	.52	.01	.16	1	12	1400
22286 DR	5	31	15	209	.2	64	13	249	3.12	110	5	ND	4	85	1.1	33	2	40	.69	.035	18	12	.51	74	.01	3	.47	.01	.14	1	2	760
22287 DR	4	39	14	271	.1	62	14	178	2.49	72	5	ND	5	77	1.0	20	2	27	.32	.043	22	11	.43	147	.01	3	.55	.02	.17	1	4	250
22288 DR	3	35	13	176	.2	46	11	415	3.82	51	5	ND	4	184	1.9	16	2	36	1.24	.031	18	14	.86	88	.01	3	.49	.01	.14	1	3	260
22289 DR	6	32	12	209	.2	58	10	156	2.50	53	5	ND	4	133	1.0	18	2	37	.83	.042	18	11	.51	88	.01	4	.44	.01	.13	1	7	160
22290 DR	2	18	32	222	.3	31	11	906	3.77	493	5	ND	10	77	3.0	36	3	28	.52	.082	40	8	.09	914	.01	4	.65	.01	.12	1	290	1300
22291 DR	2	13	28	403	.1	64	14	971	4.28	124	5	ND	13	32	2.9	39	5	38	.42	.106	47	10	.25	407	.02	2	1.07	.01	.19	1	12	540
22292 DR	3	15	15	362	.1	42	14	692	3.75	114	5	ND	15	38	3.3	41	3	65	.33	.128	52	22	.06	412	.01	3	.61	.01	.09	1	6	1200
22293 DR	4	17	28	467	.1	70	18	934	4.21	81	5	ND	13	130	7.4	37	2	61	.13	.099	43	20	.04	1274	.01	2	.71	.01	.06	1	8	1800
22294 DR	4	17	24	474	.3	60	13	504	4.19	638	5	ND	10	81	8.9	27	2	23	.08	.041	43	5	.04	740	.01	4	.64	.01	.11	1	260	2500
22295 DR	2	19	24	338	.5	42	13	678	4.16	3057	5	2	10	97	5.9	29	3	21	.13	.047	42	5	.03	1025	.01	5	.59	.01	.11	1	1820	1800
22296 DR	6	53	20	598	.7	71	13	227	3.58	1022	5	ND	7	128	12.4	23	2	71	.13	.059	33	13	.04	1575	.01	3	.70	.01	.14	1	510	2100
22297 DR	2	20	17	546	.2	63	21	901	3.71	88	5	ND	8	264	11.5	15	2	22	2.18	.073	31	18	.50	884	.01	3	.62	.01	.14	1	12	1300
22298 DR	2	27	12	616	.5	77	23	895	4.26	77	5	ND	8	99	5.4	11	2	36	1.10	.092	37	13	.14	674	.01	3	.52	.01	.13	1	13	1050
22299 DR	2	24	23	289	.3	31	10	414	2.73	282	5	ND	7	190	3.2	13	3	22	1.35	.045	25	9	.40	507	.01	3	.44	.01	.12	1	54	950
STANDARD C/AU-R	17	58	38	131	6.6	67	31	1053	3.97	43	20	8	37	53	18.5	15	20	56	.46	.093	37	60	.89	182	.07	34	1.89	.06	.14	11	520	1400

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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	Hg ppb
22300 DR	2	16	26	258	.3	34	11	601	3.34	58	5	ND	14	214	8.4	9	2	28	2.15	.084	30	12	.68	517	.01	6	.56	.01	.12	1	13	1600
22301 DR	3	22	25	298	.5	36	12	633	3.33	123	5	ND	10	250	4.4	10	2	40	2.50	.066	26	12	1.02	563	.01	9	.50	.01	.13	1	9	1200
22302 DR	5	47	20	574	1.7	77	15	191	3.08	49	5	ND	8	109	7.3	10	2	44	.49	.050	28	10	.51	81	.01	8	.51	.01	.19	1	5	330
22303 DR	4	28	20	234	.5	37	10	533	3.29	68	5	ND	10	191	2.3	9	2	54	2.07	.075	27	13	1.06	277	.01	5	.48	.01	.13	1	2	1400
22304 DR	6	48	18	479	1.2	76	14	208	3.02	57	10	ND	10	133	4.8	20	2	53	.55	.055	28	10	.54	102	.01	6	.54	.01	.18	2	1	580
22305 DR	7	44	25	394	.6	82	15	260	3.37	78	5	ND	7	147	3.2	76	2	50	.61	.054	25	11	.58	91	.01	2	.53	.01	.16	1	2	1500
22306 DR	3	32	73	282	2.2	43	10	679	3.00	1929	5	ND	6	161	2.4	8814	2	21	1.31	.025	16	5	.64	19	.01	6	.38	.01	.13	2	1780	3800
22307 DR	5	26	64	249	.8	43	10	723	2.94	510	5	ND	8	197	1.7	1533	3	30	1.69	.052	20	7	.65	42	.01	4	.47	.01	.13	1	280	3700
22308 DR	3	18	51	127	.7	21	9	804	2.91	933	5	ND	7	169	.5	743	2	31	1.63	.045	17	12	.65	43	.01	4	.56	.01	.13	1	570	4500
22309 DR	3	15	40	134	1.1	14	9	1119	2.95	2347	5	2	11	258	1.0	516	2	25	3.03	.051	12	11	1.01	109	.01	6	.46	.01	.09	1	2010	5700
22310 DR	2	16	31	99	.4	14	10	798	3.04	1352	5	ND	12	186	.4	175	4	40	2.07	.061	21	14	.78	364	.01	5	.50	.01	.07	1	1070	4400
22311 DR	3	31	278	747	2.8	17	10	1223	3.43	940	5	ND	14	223	9.1	187	2	40	2.17	.064	27	13	.73	233	.01	3	.51	.01	.08	2	840	7300
22312 DR	2	21	40	148	.5	18	11	1239	4.19	888	5	ND	11	225	.5	639	2	58	1.97	.027	22	22	.77	493	.01	4	.54	.01	.05	2	540	7400
22313 DR	2	20	32	112	.5	14	10	1069	3.30	1136	5	ND	12	279	.2	454	3	43	2.47	.024	21	15	.86	430	.01	7	.47	.01	.06	2	1280	6500
22314 DR	2	19	45	120	1.0	16	11	1070	3.19	525	5	ND	15	194	.3	2648	2	48	1.47	.049	26	18	.60	604	.01	5	.61	.01	.05	1	570	4600
22315 DR	3	19	43	155	.4	15	11	1125	4.14	519	5	ND	15	145	.3	672	2	60	1.52	.044	27	22	.75	652	.01	5	.64	.01	.03	2	450	8300
22316 DR	3	21	38	290	.7	29	15	1021	4.19	228	9	ND	19	144	.3	312	3	60	1.10	.080	38	21	.44	884	.01	2	.69	.01	.03	2	92	7500
22317 DR	3	15	64	569	.4	38	18	1433	3.47	528	5	ND	14	192	.9	164	3	50	1.77	.060	27	17	.69	802	.01	4	.70	.01	.07	1	73	4000
22318 DR	4	28	333	424	3.3	47	10	1028	2.87	995	5	ND	6	214	3.1	1493	3	28	1.68	.033	16	5	.72	58	.01	7	.46	.01	.13	1	950	3800
22319 DR	7	37	40	242	.4	84	15	277	3.23	87	5	ND	8	88	1.0	33	3	29	.39	.046	25	6	.55	60	.01	9	.50	.01	.18	1	13	890
22320 DR	6	35	43	242	.8	66	12	326	2.95	567	5	ND	6	185	.8	73	3	29	.72	.029	18	6	.59	43	.01	4	.43	.01	.15	1	110	1600
22321 DR	7	39	28	233	.2	77	14	276	3.55	74	5	ND	6	96	.9	26	2	30	.42	.047	24	7	.61	74	.01	11	.58	.01	.20	1	10	780
22322 DR	7	40	25	277	.4	76	13	213	3.10	59	5	ND	6	100	1.2	25	4	32	.40	.040	21	6	.48	57	.01	7	.51	.01	.17	1	10	460
22323 DR	6	39	17	244	.2	69	14	335	3.28	53	5	ND	6	156	1.0	11	2	36	.72	.037	24	8	.62	68	.01	6	.52	.01	.17	1	7	300
22324 DR	8	59	16	317	.7	55	10	383	2.55	85	5	ND	5	71	1.7	14	2	83	.33	.133	13	24	.14	686	.02	7	1.05	.01	.13	1	61	1300
22325 DR	8	166	9	232	3.4	72	7	436	1.40	85	9	ND	3	167	2.5	10	2	534	1.49	.544	17	105	.08	987	.01	11	.79	.01	.15	1	18	2600
22326 DR	9	167	10	222	4.4	78	3	56	.94	58	8	ND	2	1095	7.7	14	2	923	3.21	1.179	17	148	.08	1194	.01	19	1.07	.01	.17	1	8	1100
22327 DR	10	109	8	190	4.4	99	2	27	.47	19	6	ND	4	894	5.4	11	3	1230	2.09	.744	20	132	.10	895	.01	28	1.04	.01	.19	1	9	1200
22328 DR	20	149	10	286	6.5	102	3	43	.92	35	9	ND	5	619	12.8	27	2	1554	3.11	1.124	23	221	.10	1284	.01	32	1.07	.01	.22	2	8	1100
22329 DR	24	210	7	314	7.1	130	4	45	.98	47	5	ND	3	633	11.8	25	4	902	2.76	1.096	23	213	.08	2586	.01	24	1.13	.01	.18	1	9	1800
22330 DR	18	229	26	487	1.1	97	10	298	4.10	78	6	ND	6	91	52.9	14	2	220	.17	.112	11	21	.06	539	.01	16	.64	.01	.19	1	6	280
22331 DR	4	64	17	214	.6	61	10	379	2.24	41	5	ND	3	106	63.3	6	2	103	3.55	.076	7	16	1.80	356	.01	19	.63	.01	.22	1	5	140
22332 DR	3	54	9	196	.7	54	10	563	2.03	26	5	ND	4	112	52.8	3	5	44	4.91	.033	6	11	2.30	259	.01	17	.55	.01	.22	1	4	100
22333 DR	3	96	8	292	.4	49	10	492	1.89	21	5	ND	5	151	38.3	2	2	29	5.46	.034	5	11	2.42	231	.01	16	.54	.01	.21	1	4	80
22334 DR	4	54	14	301	.7	48	10	394	2.19	21	5	ND	4	127	15.6	4	4	21	2.82	.025	5	9	1.38	269	.01	16	.49	.01	.20	1	5	210
22335 DR	3	51	7	236	.6	50	10	389	2.81	21	5	ND	3	89	11.7	5	5	18	2.75	.016	5	9	1.45	204	.01	17	.48	.01	.19	1	8	240
STANDARD C/AU-R	19	58	38	131	7.3	73	32	1052	3.97	44	17	7	39	55	19.0	15	21	57	.46	.095	39	56	.90	181	.07	32	1.89	.06	.14	11	470	1500

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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	Hg ppb
22336 DR	2	64	11	143	.5	24	6	183	1.87	20	5	ND	1	140	3.5	5	2	27	.58	.054	3	10	.30	409	.01	16	.52	.01	.24	1	9	100
22337 DR	1	44	6	205	.4	27	10	345	1.88	14	5	ND	3	107	2.4	5	2	13	1.05	.018	5	6	.56	250	.01	15	.49	.01	.23	1	1	80
22339 DR	1	32	4	239	.1	29	10	633	2.07	38	5	ND	3	116	2.6	5	2	10	3.63	.019	5	5	1.48	247	.01	14	.50	.01	.24	1	5	40
22340 DR	2	50	6	206	.1	34	11	422	1.85	63	5	ND	1	110	1.5	14	3	21	1.75	.031	5	8	.78	308	.01	10	.57	.01	.22	1	6	180
22341 DR	4	75	23	108	.8	37	9	216	2.08	42	5	ND	3	161	1.5	9	2	31	.79	.041	3	12	.37	82	.01	10	.45	.01	.18	1	12	1200
22342 DR	22	191	18	520	2.1	83	4	50	1.22	73	5	ND	3	296	4.7	16	2	292	2.48	.686	13	73	.30	110	.01	24	.94	.01	.21	2	9	6300
22343 DR	14	99	29	998	.8	188	18	212	4.56	204	6	ND	6	116	8.5	99	7	168	.38	.166	12	24	.08	979	.01	5	.98	.02	.16	2	150	360
22344 DR	15	53	35	688	1.3	151	11	158	3.62	1000	5	2	11	141	5.2	946	2	86	.23	.142	32	18	.07	1232	.01	8	.96	.01	.17	1	1580	2000
22345 DR	18	29	35	459	.5	94	6	51	1.80	134	5	ND	7	115	1.8	388	2	62	.09	.050	23	9	.04	1076	.01	5	.49	.01	.13	2	49	2200
22346 DR	18	19	55	257	1.6	55	7	72	2.09	481	5	ND	8	89	4.1	1297	2	51	.10	.043	26	10	.04	849	.01	7	.55	.01	.17	1	1070	1600
22347 DR	9	30	54	467	.9	61	13	517	3.24	293	5	ND	14	125	11.5	631	2	40	.06	.061	34	11	.03	919	.01	5	.72	.01	.14	1	240	2800
22348 DR	4	22	35	549	.5	37	12	773	3.03	281	5	ND	15	146	7.6	1282	5	46	1.09	.044	28	17	.08	733	.01	2	.64	.01	.08	2	98	3400
22349 DR	4	22	38	483	.2	34	14	742	4.95	220	5	ND	19	132	2.9	334	2	80	.91	.093	46	29	.17	598	.01	2	.69	.01	.05	2	170	2600
22350 DR	4	20	39	384	.2	30	14	718	3.98	671	9	ND	20	89	2.3	128	2	76	.80	.113	49	27	.13	450	.01	2	.62	.01	.06	2	880	3400
22351 DR	4	22	44	433	.5	29	14	963	4.71	583	7	ND	21	120	1.3	64	2	73	.80	.111	49	25	.11	671	.01	2	.69	.01	.05	2	540	4000
22352 DR	3	20	45	291	.3	23	13	1048	3.46	156	5	ND	17	154	1.1	47	6	65	1.70	.050	32	25	.32	910	.01	2	.81	.01	.02	1	63	5400
22353 DR	3	22	49	338	.2	24	13	887	2.63	124	5	ND	17	177	1.3	37	2	65	3.07	.052	39	26	.68	934	.01	3	.79	.01	.03	2	18	4100
22354 DR	3	22	42	279	.8	21	14	1204	4.19	540	5	ND	16	231	.5	2216	3	63	2.15	.033	31	22	.60	623	.01	2	.64	.01	.05	3	360	3700
22355 DR	3	18	28	210	.4	20	12	853	3.05	259	5	ND	17	192	.2	324	2	61	2.04	.048	36	22	.59	847	.01	2	.74	.01	.05	1	100	3300
22356 DR	2	31	81	296	1.4	21	11	1269	3.63	974	5	ND	11	239	.3	14591	2	44	2.83	.023	22	15	.82	380	.01	3	.46	.01	.06	2	850	3400
22357 DR	2	18	40	200	1.2	15	11	1313	3.58	2816	5	3	12	245	.3	4726	2	49	2.78	.024	19	19	.82	442	.01	2	.53	.01	.05	3	2630	7800
22358 DR	2	19	59	273	.6	20	12	1323	3.59	623	5	ND	13	256	.9	1168	2	52	2.15	.031	24	18	.76	556	.01	5	.57	.01	.06	1	480	3900
22359 DR	3	17	75	245	.8	16	11	1134	3.31	256	5	ND	15	261	.9	472	2	41	2.68	.056	25	16	.83	555	.01	4	.64	.01	.08	2	90	3200
22360 DR	3	16	47	218	.8	19	11	1243	3.53	726	6	ND	17	330	1.1	173	2	41	3.11	.075	27	15	1.00	669	.01	5	.61	.01	.08	1	140	4800
22361 DR	2	13	50	185	.7	16	9	1269	3.03	564	5	ND	16	383	1.0	99	6	28	3.60	.067	20	10	1.10	534	.01	5	.60	.01	.11	1	47	4500
22362 DR	13	56	37	318	1.0	82	13	237	3.19	715	5	ND	7	219	2.7	281	3	79	1.02	.086	22	16	.27	45	.01	5	.76	.01	.18	1	250	3100
22363 DR	6	36	22	220	.9	72	14	416	3.42	1545	5	ND	8	174	1.1	657	4	53	.89	.042	26	14	.45	59	.01	4	.65	.01	.19	1	1280	3300
22364 DR	6	37	20	201	.3	79	17	289	4.46	102	5	ND	9	93	.7	26	2	44	.30	.039	30	12	.53	41	.01	4	.65	.02	.22	1	28	1300
22365 DR	9	31	19	163	.4	77	11	259	2.61	935	5	ND	5	183	.4	21	4	44	.93	.030	18	8	.53	53	.01	3	.43	.01	.13	1	430	2100
22366 DR	7	35	17	194	.5	70	13	185	3.12	136	5	ND	7	101	.5	25	3	33	.58	.033	25	7	.62	82	.01	7	.50	.01	.19	1	15	580
22367 DR	9	40	13	302	.5	81	12	141	2.89	87	5	ND	7	109	1.3	17	2	40	.59	.048	23	7	.45	50	.01	5	.50	.02	.17	1	7	500
22368 DR	8	38	22	243	.6	75	13	266	3.24	258	5	ND	7	173	1.0	74	2	44	.88	.042	22	10	.61	42	.01	5	.61	.01	.19	1	87	920
22369 DR	7	44	16	251	.5	67	14	210	3.31	43	7	ND	8	121	1.4	18	8	46	.51	.041	27	10	.61	39	.01	7	.67	.02	.22	1	6	230
22370 DR	8	34	13	217	.4	59	10	166	2.56	28	5	ND	6	224	.8	14	2	42	1.06	.021	19	8	.79	73	.01	5	.47	.01	.16	1	5	190
22371 DR	9	40	19	301	.7	83	15	155	3.19	71	5	ND	7	100	1.4	25	5	50	.43	.047	18	10	.45	34	.01	9	.65	.02	.20	1	18	220
22372 DR	9	31	13	224	.6	63	9	134	2.59	35	5	ND	7	122	1.4	15	2	48	.70	.038	17	9	.50	50	.01	7	.54	.01	.16	1	4	160
STANDARD C/AU-R	19	57	37	131	7.2	73	32	1053	3.97	42	18	8	40	56	19.4	14	24	56	.46	.094	39	55	.90	182	.07	32	1.89	.06	.13	11	540	1500

90-311

BORE 90-311

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	Hg ppb
22373 DR	8	42	20	296	.5	75	14	184	3.12	51	5	ND	7	107	1.5	15	2	42	.38	.043	23	8	.44	50	.01	7	.58	.02	.19	1	7	120
22374 DR	8	42	15	271	.4	77	14	182	3.50	72	5	ND	7	104	1.1	12	2	41	.41	.043	21	9	.45	35	.01	7	.59	.02	.18	1	9	140
22375 DR	9	41	21	288	.6	80	14	161	3.22	45	5	ND	8	116	1.3	12	3	42	.50	.050	23	9	.40	40	.01	8	.59	.02	.18	1	1	150
22376 DR	7	44	13	234	.5	64	15	229	3.43	49	5	ND	9	168	1.0	13	2	39	.59	.044	26	10	.57	50	.01	5	.67	.02	.20	1	2	110
22377 DR	9	38	17	283	.6	75	12	142	2.75	46	5	ND	7	139	1.5	11	2	45	.65	.043	20	8	.47	34	.01	8	.57	.02	.18	1	2	120
22378 DR	10	48	17	652	.6	122	17	181	3.07	67	5	ND	5	106	1.9	16	2	69	.26	.095	10	18	.12	2100	.01	8	.83	.01	.14	1	15	720
22379 DR	7	33	25	392	.5	116	16	108	2.50	47	5	ND	12	71	1.0	6	2	79	.26	.109	40	19	.08	1098	.01	8	.81	.01	.11	1	5	160
22380 DR	5	32	26	287	.3	95	14	81	3.09	170	5	ND	11	53	1.4	8	2	52	.21	.092	32	18	.08	924	.01	3	.92	.01	.14	1	4	200
22381 DR	7	37	58	344	.8	46	14	51	3.58	113	5	ND	8	82	.2	13	3	39	.05	.038	21	8	.03	1256	.01	6	.52	.01	.14	1	5	510
22382 DR	7	51	22	370	.7	73	15	58	3.36	63	5	ND	10	92	.6	11	2	44	.04	.043	34	10	.04	1219	.01	6	.71	.01	.16	3	10	360
22383 DR	8	58	20	334	.7	49	9	75	2.59	29	5	ND	10	96	2.1	8	3	59	.02	.047	32	12	.04	810	.01	7	.76	.01	.18	1	2	300
22384 DR	8	41	24	268	.6	78	16	156	3.65	24	5	ND	9	71	3.7	4	2	44	.08	.038	31	11	.30	129	.01	8	.61	.01	.19	1	2	240
22385 DR	8	39	25	209	.5	50	10	114	2.87	26	5	ND	8	71	1.7	4	2	46	.07	.034	26	10	.23	93	.01	8	.52	.01	.17	1	2	180
22386 DR	5	44	17	289	.5	72	19	217	4.12	34	5	ND	11	83	2.6	5	4	41	.20	.040	36	11	.47	138	.01	5	.61	.02	.21	1	1	160
22387 DR	7	46	21	368	.7	75	16	145	3.54	50	5	ND	10	92	3.7	7	2	37	.32	.041	30	8	.28	67	.01	5	.55	.02	.19	1	3	320
22388 DR	7	50	19	604	.5	95	20	392	5.26	80	5	ND	9	98	4.1	83	2	57	.52	.054	28	14	.50	62	.01	9	.62	.02	.19	1	6	910
22389 DR	2	14	39	149	.6	18	9	904	3.51	2599	5	ND	11	331	.2	51	2	13	3.78	.065	14	4	1.06	82	.01	8	.63	.01	.17	1	670	2600
22390 DR	2	47	659	1447	4.3	11	9	1041	3.58	5853	5	ND	10	354	12.8	508	3	13	3.96	.080	14	4	1.09	107	.01	8	.53	.01	.15	2	1910	5500
22391 DR	2	14	80	214	.9	13	9	977	3.25	1265	5	ND	13	381	1.5	516	4	12	4.32	.092	13	3	1.17	155	.01	8	.53	.01	.15	1	320	1600
22392 DR	2	11	43	138	.8	12	10	712	3.48	652	5	ND	16	323	.4	42	2	29	3.24	.079	25	9	.98	565	.01	6	.69	.01	.12	1	100	1300
22393 DR	2	12	39	136	.5	13	9	801	3.31	171	5	ND	12	303	.4	37	8	27	3.00	.080	25	9	.94	764	.01	4	.67	.01	.13	1	17	1200
22394 DR	6	54	48	509	1.0	60	11	506	3.35	140	5	ND	9	541	5.1	34	2	63	2.81	.130	23	12	1.10	77	.01	9	.53	.01	.17	1	7	1300
22395 DR	5	29	34	216	.8	42	11	678	3.32	2305	5	ND	6	254	1.4	34	2	27	2.22	.041	17	7	.78	64	.01	4	.59	.01	.17	1	1390	1400
22396 DR	6	35	29	284	.6	50	10	599	3.26	1909	5	ND	5	253	2.4	41	3	35	1.86	.065	16	7	.63	45	.01	5	.52	.01	.15	1	890	1800
22397 DR	4	26	31	186	.7	49	11	890	3.31	712	5	ND	10	293	.6	53	3	38	1.89	.030	19	13	.65	207	.01	4	.50	.01	.11	1	220	4200
22398 DR	3	16	33	126	.4	19	11	1060	3.31	487	5	ND	11	255	.3	42	2	42	1.96	.029	24	16	.77	369	.01	2	.48	.01	.07	1	210	3500
22399 DR	3	17	50	139	.7	16	12	1039	3.88	634	5	ND	14	293	.2	38	3	48	2.02	.029	25	18	.84	356	.01	4	.63	.01	.08	1	120	3300
22400 DR	2	18	56	135	1.0	15	10	1284	3.39	599	5	ND	14	360	.7	144	5	42	2.74	.034	26	15	.95	254	.01	6	.59	.01	.08	2	250	2600
22401 DR	2	27	295	760	3.8	15	10	2063	3.63	461	5	2	13	377	6.3	253	6	43	2.94	.028	22	14	1.03	302	.01	7	.49	.01	.08	2	540	3800
22402 DR	2	29	184	909	3.5	9	7	2003	2.93	1616	5	4	10	408	8.5	173	2	27	3.37	.023	16	8	1.13	147	.01	3	.42	.01	.09	1	3020	3700
22403 DR	5	28	162	383	3.4	43	10	1141	3.53	5255	5	ND	8	201	3.0	1711	9	40	2.28	.024	15	11	.81	16	.01	7	.46	.01	.11	1	3940	19000
22404 DR	6	36	16	230	.5	78	15	308	3.45	381	5	ND	7	137	.3	55	2	47	.41	.033	23	11	.54	40	.01	5	.55	.01	.18	1	74	3600
22405 DR	6	36	28	173	.4	60	13	315	3.50	260	5	ND	6	195	.5	74	2	41	.86	.037	21	10	.64	41	.01	4	.49	.01	.15	1	83	1200
22406 DR	10	34	26	282	.6	77	11	165	2.30	100	5	ND	7	186	1.2	17	2	51	.81	.044	20	8	.52	47	.01	4	.48	.01	.15	1	29	640
22407 DR	11	40	20	282	.6	83	12	121	2.29	91	5	ND	7	158	1.7	17	4	55	.53	.052	20	8	.41	33	.01	9	.53	.01	.16	1	28	450
22408 DR	8	62	14	701	.8	144	15	301	2.75	91	5	ND	6	71	3.7	18	3	100	.34	.136	13	23	.15	665	.02	6	1.03	.01	.13	1	27	950
STANDARD C/AU-R	18	57	38	130	7.0	72	32	1053	3.97	41	16	7	39	55	19.5	15	22	56	.46	.094	39	55	.89	183	.07	31	1.89	.06	.14	11	540	1600

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	Hg ppb
22409 DR	9	61	23	957	.8	179	20	298	3.44	208	5	ND	4	81	4.8	91	2	108	.31	.129	17	24	.16	867	.02	7	1.15	.01	.13	1	63	1600
22410 DR	8	35	23	294	.6	46	5	39	2.15	122	5	ND	6	81	.7	55	2	50	.10	.052	20	9	.04	1108	.01	7	.61	.01	.18	1	13	1500
22411 DR	7	28	37	481	1.0	53	10	318	2.97	1741	6	ND	7	119	3.7	77	2	42	.23	.051	27	8	.04	415	.01	5	.61	.01	.18	1	1200	4800
22412 DR	1	15	26	524	1.1	56	14	1114	3.68	3294	5	3	8	235	5.0	388	3	20	2.72	.070	19	9	.44	41	.01	5	.71	.01	.13	1	2780	4500
22413 DR	1	10	24	275	.7	20	10	923	3.59	3476	5	2	8	279	1.1	61	2	16	3.02	.073	20	10	.59	105	.01	3	.52	.01	.12	1	1240	4700
22414 DR	4	50	23	359	.5	60	14	479	4.18	1856	5	ND	6	225	3.5	31	2	39	1.06	.035	25	12	.09	62	.01	4	.70	.01	.19	1	330	2800
22415 DR	3	18	36	178	.6	28	9	913	3.77	543	5	ND	7	206	1.0	27	2	35	2.09	.032	17	13	.51	31	.01	4	.51	.01	.13	1	140	3600
22416 DR	2	17	45	176	.3	24	9	806	2.61	214	5	ND	10	164	.7	26	2	37	1.05	.030	22	19	.38	314	.01	2	.60	.01	.06	1	62	4600
22417 DR	1	14	31	181	.3	22	10	1189	3.35	478	5	ND	8	166	1.1	182	3	42	2.43	.022	16	20	.68	65	.01	2	.50	.01	.06	1	110	2500
22418 DR	2	17	31	158	.4	19	9	1105	3.65	226	5	ND	10	146	1.4	953	2	55	1.81	.032	20	26	.66	447	.01	2	.63	.01	.04	1	50	3100
22419 DR	1	15	22	107	1.8	13	8	1288	3.77	4739	5	8	7	156	1.3	189	2	41	2.62	.022	15	21	.88	95	.01	3	.51	.01	.05	2	7740	5000
22420 DR	1	16	31	130	.5	20	10	1285	3.85	980	5	2	10	132	1.9	74	2	51	1.99	.024	19	24	.82	473	.01	3	.50	.01	.04	2	1060	5400
22421 DR	1	16	41	135	.6	19	11	1205	3.61	563	5	ND	11	153	1.7	65	2	46	.92	.032	25	20	.49	278	.01	2	.68	.01	.05	1	420	3800
22422 DR	2	19	45	140	.3	16	10	1009	3.54	279	5	ND	12	161	1.5	36	2	53	1.03	.036	27	23	.63	680	.01	3	.70	.01	.04	1	36	3000
22423 DR	1	18	41	168	.2	22	13	537	4.08	99	5	ND	19	210	.8	36	2	65	.64	.098	48	31	.53	1917	.01	2	1.00	.01	.02	1	59	3300
22424 DR	1	20	131	345	.9	18	10	1153	3.95	347	5	ND	11	184	3.9	53	2	54	1.59	.045	25	24	.77	218	.01	3	.63	.01	.04	1	110	4400
22425 DR	1	17	38	140	.3	16	10	1037	3.48	163	5	ND	11	161	1.2	34	2	56	1.60	.041	26	26	.81	913	.01	2	.69	.01	.03	2	31	4100
22426 DR	1	15	50	150	.5	13	9	1215	3.56	419	5	ND	10	163	2.1	251	2	50	1.98	.032	19	23	.91	501	.01	2	.58	.01	.04	2	160	4600
22427 DR	1	16	74	342	.6	15	9	1084	3.30	365	5	ND	9	199	3.5	52	2	39	2.35	.030	14	20	.92	279	.01	2	.55	.01	.06	1	82	4700
22428 DR	3	19	56	209	1.1	24	9	1157	3.37	1365	5	2	9	265	2.2	95	2	41	2.37	.044	18	17	.88	120	.01	4	.57	.01	.09	1	1610	12000
22429 DR	4	19	24	148	.9	38	10	977	3.03	2365	5	2	4	400	1.5	879	2	35	2.62	.024	14	14	1.09	59	.01	4	.43	.01	.10	1	3760	80000
22430 DR	6	29	28	266	.8	66	12	521	2.95	1763	5	2	4	316	2.2	221	2	39	1.46	.035	18	13	.75	37	.01	5	.50	.01	.15	1	1260	17000
22431 DR	11	35	15	270	.2	96	9	102	1.82	210	5	ND	3	137	.9	49	2	69	.42	.064	19	9	.25	45	.01	6	.56	.01	.15	1	37	1200
22432 DR	8	33	23	230	.2	96	12	150	2.47	245	5	ND	3	152	1.7	30	2	48	.66	.056	19	9	.41	22	.01	5	.54	.01	.16	1	63	1400
22433 DR	6	40	20	297	.3	81	15	249	3.53	232	5	ND	4	142	2.4	33	2	41	.56	.038	25	13	.68	28	.01	4	.58	.01	.17	1	82	2600
22434 DR	6	39	23	329	.3	82	14	157	3.43	102	5	ND	3	98	2.5	10	2	31	.30	.038	20	9	.47	19	.01	6	.51	.01	.17	1	13	560
22435 DR	6	40	21	312	.2	80	13	164	2.90	65	5	ND	4	100	1.4	7	2	39	.37	.054	23	10	.49	32	.01	7	.62	.01	.20	1	14	480
22436 DR	2	37	16	105	.2	30	9	285	2.46	30	5	ND	3	49	1.7	11	2	47	.40	.073	15	22	.44	566	.05	5	1.04	.03	.12	2	4	220
22437 DR	3	34	29	241	.2	78	18	748	3.59	61	5	ND	5	98	5.6	14	2	42	.61	.080	25	16	.38	652	.01	4	.95	.02	.13	1	4	480
22438 DR	4	52	20	280	.1	68	14	179	3.07	40	5	ND	5	139	2.1	11	2	28	.19	.041	20	8	.09	378	.01	4	.82	.01	.19	1	15	200
22439 DR	4	86	10	392	.2	81	20	408	4.56	36	5	ND	5	96	3.1	4	2	28	.34	.051	19	12	.12	402	.01	3	.78	.01	.14	1	8	240
22440 DR	4	54	21	367	.3	68	16	429	4.24	41	5	ND	5	214	4.4	8	2	47	.67	.080	18	23	.16	204	.01	2	.86	.01	.17	1	4	460
22441 DR	11	47	18	294	.4	56	10	97	4.54	79	5	ND	1	191	1.8	9	2	105	1.56	.069	7	21	.08	22	.01	4	.73	.01	.21	1	2	1500
22442 DR	8	23	19	105	.2	18	3	33	2.14	51	5	ND	1	203	.2	7	2	57	.22	.062	4	9	.06	174	.01	7	.67	.01	.21	1	6	300
22443 DR	7	16	20	75	.3	17	2	39	1.23	20	5	ND	1	192	.2	8	2	54	.15	.032	3	7	.06	236	.01	11	.57	.01	.21	1	5	350
22444 DR	8	11	16	44	.3	13	2	23	.69	12	5	ND	1	134	.2	9	2	58	.10	.025	3	7	.05	492	.01	13	.43	.01	.15	1	5	340
STANDARD C/AU-R	18	58	38	131	6.9	68	31	1052	3.97	44	20	8	36	53	18.5	15	20	55	.45	.094	36	56	.92	181	.08	31	1.89	.06	.14	13	530	1500

90-314

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	Hg ppb
22445 DR	58	213	14	339	4.2	82	2	42	1.09	52	14	ND	3	250	6.8	31	2	2112	1.11	.512	23	173	.08	768	.01	18	.89	.01	.19	3	11	1500
22446 DR	50	193	9	919	3.7	115	4	116	1.12	68	14	ND	2	229	15.0	31	2	1386	1.30	.334	19	124	.35	777	.01	14	.72	.01	.17	3	6	2700
22447 DR	27	124	9	1453	1.1	177	9	510	1.87	61	5	ND	2	220	14.3	17	2	579	2.00	.157	9	42	.83	319	.01	16	.64	.01	.21	2	10	6600
22448 DR	68	248	14	708	3.0	93	3	130	1.32	131	9	ND	2	200	8.1	36	2	2000	1.03	.361	19	117	.25	816	.01	21	.85	.01	.25	3	25	34000
22449 DR	41	111	54	358	3.3	36	2	35	1.34	59	11	ND	2	257	8.3	22	3	962	1.02	.612	15	133	.08	915	.01	23	.83	.01	.19	2	5	4600
22450 DR	39	104	11	367	2.9	37	2	49	1.53	68	10	ND	3	268	8.6	19	4	686	.77	.497	12	101	.10	842	.01	19	.71	.01	.19	1	16	4400
22451 DR	6	57	6	317	.3	47	8	522	1.91	77	5	ND	1	204	2.8	7	2	42	2.12	.034	4	8	.89	267	.01	13	.45	.01	.18	1	15	2400
22452 DR	3	47	9	106	.3	25	7	920	2.02	34	5	ND	2	249	.5	6	5	32	3.47	.024	4	7	1.31	129	.01	8	.45	.01	.20	1	9	1050
22453 DR	8	82	10	289	1.1	68	10	535	2.47	71	9	ND	3	257	2.0	11	2	93	3.88	.223	7	27	1.11	60	.01	14	.63	.01	.21	2	9	920
22454 DR	84	223	16	2765	2.2	152	7	216	1.15	86	7	ND	4	153	35.5	32	2	727	5.51	.061	10	37	2.41	155	.01	14	.40	.01	.15	2	1	5600
22455 DR	68	156	13	2119	1.2	106	6	225	1.04	64	6	ND	5	139	24.5	33	2	459	8.65	.036	6	20	3.61	195	.01	17	.33	.01	.13	3	2	5400
22456 DR	72	180	11	2457	1.7	126	5	199	1.07	72	11	ND	5	143	27.2	39	2	556	7.38	.061	7	27	3.18	184	.01	15	.36	.01	.13	2	1	4500
22457 DR	100	265	15	3537	2.6	180	5	205	1.09	94	9	ND	4	159	41.6	41	2	884	5.06	.127	11	42	2.23	125	.01	15	.48	.01	.17	1	5	7600
22458 DR	55	170	11	1969	1.7	128	7	305	1.45	76	6	ND	5	197	23.2	28	2	511	6.19	.155	7	37	2.56	75	.01	15	.58	.01	.17	4	6	4600
22459 DR	16	113	18	542	1.6	92	8	341	2.53	102	5	ND	2	232	5.2	21	2	164	3.00	.498	6	35	.80	43	.01	17	.61	.01	.17	1	10	3200
22460 DR	6	29	26	121	1.9	30	5	121	1.99	774	5	ND	7	311	.7	51	2	32	.18	.035	29	7	.07	546	.01	7	.53	.01	.23	1	800	2500
22461 DR	11	61	21	353	.4	78	14	188	3.58	292	5	ND	9	197	2.4	36	2	50	.26	.070	32	9	.09	984	.01	8	.64	.01	.18	1	11	1300
22462 DR	8	37	20	271	.2	50	10	66	2.90	72	5	ND	8	115	.5	20	2	50	.15	.039	32	7	.07	725	.01	7	.50	.01	.21	1	1	1100
22463 DR	5	19	111	145	.6	16	6	161	2.63	597	5	ND	11	151	.4	50	4	30	.11	.048	37	9	.05	874	.01	5	.56	.01	.18	1	22	3200
22464 DR	4	35	56	294	.8	49	14	981	3.77	1029	5	ND	10	190	1.7	73	3	28	.99	.058	27	7	.07	131	.01	6	.60	.01	.16	1	77	2100
22465 DR	5	22	41	131	1.3	38	8	140	3.27	873	5	ND	10	215	.4	71	2	39	.38	.052	33	8	.04	290	.01	6	.52	.01	.23	1	200	7400
22466 DR	4	22	44	253	.6	38	13	866	3.51	386	5	ND	14	202	1.6	45	2	35	1.01	.095	36	13	.25	309	.01	4	.57	.01	.16	1	24	3300
22467 DR	4	23	26	173	.1	28	12	757	2.90	163	5	ND	17	187	.7	31	2	39	1.69	.119	45	16	.42	212	.01	6	.65	.01	.14	1	11	800
22468 DR	3	24	20	181	.2	30	12	675	3.02	59	5	ND	20	98	1.2	39	6	60	1.12	.126	56	20	.36	189	.01	3	.74	.01	.09	1	8	540
22469 DR	2	27	25	149	.2	23	11	747	3.51	209	5	ND	19	184	1.2	26	2	67	2.11	.107	43	22	.76	433	.01	6	.61	.01	.08	1	27	2900
22470 DR	3	20	49	166	.8	17	10	1588	3.35	324	5	ND	16	259	1.6	37	7	43	3.41	.057	25	14	.98	391	.01	6	.54	.01	.08	1	63	2400
22471 DR	2	19	32	130	.3	17	11	707	3.08	85	5	ND	20	112	.7	46	3	65	1.69	.122	66	24	.53	471	.01	4	1.01	.01	.12	1	13	1900
22472 DR	2	18	25	123	.1	17	10	431	3.71	32	5	ND	17	263	.6	78	2	77	1.86	.101	44	30	.91	1728	.13	2	2.55	.02	.49	1	7	750
22473 DR	2	18	30	120	.1	13	12	612	4.01	46	5	ND	18	152	.8	54	3	70	1.32	.102	68	26	.58	1280	.06	2	1.77	.02	.30	1	4	6500
22474 DR	2	18	21	104	.1	11	10	509	2.87	28	5	ND	16	178	.7	72	2	76	1.74	.102	51	30	.91	2006	.13	2	2.09	.03	.49	1	5	1050
22475 DR	2	16	15	106	.1	10	8	544	3.22	31	5	ND	17	149	.9	125	2	86	2.46	.095	50	36	1.17	863	.14	3	2.00	.03	.49	1	2	220
22476 DR	3	17	16	103	.2	12	9	623	3.17	31	5	ND	16	214	.7	220	3	74	3.17	.099	44	35	1.10	423	.03	5	1.71	.02	.19	1	6	280
22477 DR	2	16	47	137	.3	10	9	914	2.89	30	5	ND	16	264	1.4	74	3	56	3.06	.099	41	27	.96	346	.02	5	1.38	.02	.17	1	10	330
22478 DR	3	13	22	105	.2	12	10	884	3.19	77	5	ND	16	103	.8	18	2	58	3.52	.052	26	23	.98	623	.01	6	.58	.01	.06	1	7	2900
22479 DR	2	18	24	96	.1	11	9	796	3.00	58	5	ND	13	115	.6	18	2	64	3.37	.033	23	24	1.05	1462	.01	2	.54	.01	.02	1	4	3300
22480 DR	2	16	22	106	.3	12	11	834	3.39	69	5	ND	12	105	.6	22	2	56	.80	.036	25	23	.50	1336	.01	3	.60	.01	.01	1	4	5400
STANDARD C/AU-R	19	57	38	132	7.0	73	32	1052	3.97	42	16	7	39	56	19.1	15	22	57	.45	.094	39	56	.89	183	.07	35	1.89	.06	.14	13	530	1500

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90-316

BCRG

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	Hg ppb
22481 DR	2	17	26	151	.7	15	11	1080	3.55	587	5	ND	14	116	.2	42	2	53	1.17	.032	22	20	.47	714	.01	2	.62	.01	.04	2	610	5500
22482 DR	2	27	616	1079	5.8	8	8	2348	3.17	2434	5	7	11	235	13.0	697	2	39	3.74	.023	14	12	1.10	140	.01	6	.47	.01	.07	2	5970	6100
22483 DR	2	16	57	147	1.0	14	8	1677	2.93	1566	5	3	12	260	1.0	278	2	38	2.78	.028	17	12	.96	177	.01	5	.47	.01	.07	1	2780	3300
22484 DR	2	19	41	123	.5	11	9	563	2.20	114	5	ND	13	129	.5	42	2	48	.84	.043	27	17	.52	982	.01	5	.65	.01	.02	1	74	5200
22485 DR	2	18	37	119	.4	12	11	731	2.75	93	8	ND	14	136	.2	28	2	59	.68	.047	30	21	.49	1133	.01	4	.69	.01	.02	2	29	4400
22486 DR	2	18	33	118	.3	14	11	659	2.96	102	5	ND	12	109	.2	29	2	52	.63	.035	21	18	.49	816	.01	4	.59	.01	.03	1	63	5100
22487 DR	3	16	25	101	.3	12	10	689	3.08	83	5	ND	17	116	.4	25	2	65	3.09	.065	34	25	1.06	705	.01	2	.74	.01	.06	1	61	3800
22488 DR	2	13	14	90	.2	11	9	513	2.63	34	7	ND	19	64	.6	34	5	63	2.05	.106	52	22	.94	339	.01	2	.76	.02	.13	1	10	1400
22489 DR	2	13	20	108	.4	11	9	611	2.75	60	5	ND	20	107	.4	21	2	64	3.37	.112	63	23	1.11	414	.01	6	.62	.01	.09	1	6	2100
22490 DR	3	14	24	100	.4	12	10	659	2.97	94	5	ND	17	163	.2	17	4	58	2.95	.106	40	24	1.16	430	.01	4	.58	.01	.09	1	9	1800
22491 DR	2	16	27	104	.4	10	10	499	3.52	68	5	ND	18	257	.3	20	2	61	2.81	.091	40	26	1.32	1036	.01	2	.83	.01	.08	1	11	1300
22492 DR	4	27	23	170	.4	45	12	386	2.76	104	9	ND	12	119	.6	23	8	49	1.32	.074	34	15	.69	237	.01	3	.64	.01	.13	1	2	1600
22493 DR	4	37	18	225	.4	74	16	243	3.87	43	5	ND	9	91	.5	6	2	45	.44	.030	29	12	.64	101	.01	5	.65	.02	.19	1	9	580
22494 DR	3	39	16	182	.5	72	20	230	3.56	39	5	ND	11	75	.5	6	2	43	.30	.038	37	14	.47	140	.01	4	.70	.02	.23	1	4	250
22495 DR	9	38	13	52	.6	99	14	135	2.51	104	8	ND	9	138	.5	12	4	48	.58	.065	27	12	.38	137	.01	11	.67	.01	.22	1	7	300
22496 DR	3	15	16	84	.4	14	9	518	2.78	56	5	ND	13	556	.6	5	2	40	5.15	.067	28	15	1.75	869	.01	6	.62	.01	.12	1	10	1300
22497 DR	2	20	34	113	.6	23	12	703	3.60	110	5	ND	12	159	.3	15	2	24	3.44	.056	27	13	.22	802	.01	8	.59	.01	.13	1	2	2300
22498 DR	3	30	33	196	.3	48	17	703	4.13	108	5	ND	10	142	.9	17	2	24	1.92	.055	35	10	.15	784	.01	7	.65	.01	.17	1	6	1400
22499 DR	3	34	28	264	.6	69	19	422	3.88	84	5	ND	11	79	1.1	9	2	29	.71	.056	39	8	.09	598	.01	6	.60	.01	.18	1	6	900
22500 DR	5	32	30	250	.5	70	15	251	3.39	44	5	ND	9	100	.8	8	4	35	.26	.050	29	7	.09	654	.01	6	.62	.01	.18	1	2	860
22501 DR	6	33	22	256	.6	58	12	97	2.83	29	5	ND	8	102	.7	6	4	36	.24	.039	24	7	.06	765	.01	7	.55	.01	.18	1	3	280
22502 DR	6	38	16	211	.4	50	11	59	3.57	24	5	ND	6	55	.2	3	2	32	.02	.038	17	7	.02	713	.01	7	.51	.01	.17	1	7	110
22503 DR	10	56	19	306	.7	64	14	114	3.67	25	5	ND	7	117	.3	4	3	68	.10	.074	24	14	.04	1133	.01	7	.62	.01	.16	1	1	120
22504 DR	6	38	26	187	.5	54	11	101	3.35	26	5	ND	6	81	1.9	4	4	31	.03	.036	15	9	.11	740	.01	2	.73	.02	.22	1	2	80
22505 DR	3	49	15	208	.4	64	16	167	3.95	18	5	ND	7	62	1.5	2	2	29	.05	.034	17	9	.24	704	.01	6	.73	.02	.18	1	1	50
22506 DR	8	43	18	308	.6	62	14	176	3.25	22	5	ND	5	127	2.2	4	4	46	.37	.053	12	9	.45	185	.01	4	.59	.01	.20	1	5	90
22507 DR	6	36	16	202	.4	63	16	137	2.59	25	5	ND	5	100	1.0	2	4	22	.58	.030	17	4	.29	78	.01	3	.48	.01	.18	1	1	200
22508 DR	10	45	16	240	.9	55	13	102	2.55	40	14	ND	6	226	3.7	8	2	48	.76	.075	13	8	.27	55	.01	5	.51	.01	.16	1	2	430
22509 DR	18	61	14	550	1.2	65	9	148	1.94	43	5	ND	3	249	8.6	20	4	157	1.04	.238	7	20	.34	51	.01	15	.68	.01	.17	1	2	1600
22510 DR	20	72	11	766	1.8	70	5	263	1.41	49	5	ND	2	399	10.8	170	2	276	3.24	.280	8	40	1.25	71	.01	13	.62	.01	.12	1	6	1400
22511 DR	9	38	87	392	.8	53	12	664	3.46	304	5	ND	8	274	2.9	50	2	52	1.67	.062	19	10	.86	76	.01	3	.51	.01	.16	1	24	4300
22512 DR	6	24	36	243	.9	38	11	592	2.82	626	5	ND	14	162	1.9	55	2	50	1.14	.087	37	14	.52	111	.01	6	.60	.01	.11	1	270	3300
22513 DR	3	18	44	124	.4	14	11	760	3.44	347	5	ND	16	147	.6	34	3	59	.63	.065	29	20	.48	792	.01	4	.66	.01	.04	1	110	4800
22514 DR	3	19	39	136	.7	17	10	708	2.90	949	5	ND	14	127	.5	486	2	35	.71	.029	21	14	.23	437	.01	5	.55	.01	.07	1	570	3700
22515 DR	2	18	253	279	2.2	13	10	1435	3.23	618	5	ND	13	317	2.2	175	2	30	2.19	.033	22	12	.74	84	.01	4	.46	.01	.09	1	510	3800
22516 DR	3	18	49	121	.9	14	10	1113	3.30	681	5	ND	15	204	.4	266	2	44	2.07	.032	20	17	.85	521	.01	4	.54	.01	.07	1	390	2400
STANDARD C/AU-R	19	58	38	129	7.2	73	32	1051	3.96	41	16	7	40	53	18.8	14	17	56	.45	.094	38	55	.89	182	.07	33	1.89	.06	.14	13	540	1300

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BCRC 90 - 312

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	Hg ppb
22517 DR	2	16	31	112	.3	13	9	1131	3.48	752	5	ND	10	122	1.2	41	2	48	1.27	.030	18	18	.69	457	.01	2	.64	.01	.06	1	290	3300
22518 DR	1	15	28	105	.3	13	9	1259	3.37	844	5	ND	9	191	1.0	32	2	39	2.66	.027	16	18	.95	310	.01	3	.49	.01	.06	2	130	3100
22519 DR	2	10	29	103	.4	14	9	1394	3.79	503	5	ND	10	216	.9	27	2	38	2.66	.040	20	18	.95	281	.01	3	.47	.01	.07	2	85	2800
22520 DR	2	14	22	94	.1	11	9	1132	5.17	87	5	ND	11	115	.9	15	2	60	.71	.041	27	26	.67	644	.01	2	.53	.01	.02	1	14	3600
22521 DR	1	15	22	107	.1	15	9	998	4.25	68	5	ND	11	104	1.1	15	2	60	.93	.037	21	26	.75	655	.01	3	.48	.01	.02	2	10	3800
22522 DR	2	15	24	104	.2	13	8	808	3.26	78	5	ND	11	121	.5	14	2	57	2.20	.042	20	24	.95	663	.01	2	.52	.01	.03	1	19	3100
22523 DR	2	20	17	124	.5	17	9	1055	3.44	287	5	ND	10	218	1.0	16	2	48	2.40	.038	20	21	.93	584	.01	2	.50	.01	.06	1	350	2300
22524 DR	2	22	32	118	.7	17	9	1445	3.16	683	5	ND	7	243	1.4	20	2	34	2.29	.029	15	17	.85	177	.01	2	.41	.01	.08	2	590	2500
22525 DR	2	14	38	95	1.1	11	8	2046	3.67	2018	5	4	7	218	1.6	33	2	36	2.80	.021	14	16	1.00	112	.01	2	.42	.01	.07	1	3980	5700
22526 DR	2	17	27	90	2.3	12	7	1382	3.10	5318	5	11	7	183	1.5	1010	2	29	2.72	.020	11	14	.95	106	.01	3	.43	.01	.07	1	12860	28000
22527 DR	2	17	22	133	1.3	22	8	1349	2.95	3426	5	3	6	299	1.3	146	2	26	2.81	.022	13	13	1.01	64	.01	2	.40	.01	.09	1	6980	11000
22528 DR	6	34	19	238	.3	64	12	460	3.20	638	5	ND	5	113	1.8	42	2	38	.65	.035	23	11	.51	37	.01	4	.50	.01	.15	1	120	2800
22529 DR	5	42	12	207	.2	62	14	302	3.31	73	5	ND	6	102	1.3	8	2	41	.52	.043	29	13	.62	31	.01	5	.71	.02	.21	1	12	340
22530 DR	7	39	15	260	.2	80	13	196	3.23	94	5	ND	4	97	1.7	15	2	44	.41	.043	20	13	.51	31	.01	6	.56	.02	.17	1	110	400
22531 DR	2	22	26	141	.1	25	11	607	3.45	108	5	ND	7	228	1.0	14	2	45	2.92	.068	26	28	.89	975	.01	2	.81	.01	.11	1	63	2400
22532 DR	2	16	37	146	.3	25	11	754	3.65	110	5	ND	9	188	.9	21	2	35	2.10	.084	37	17	.31	1113	.01	3	.82	.01	.12	1	7	2000
22533 DR	2	15	20	145	.1	22	10	676	3.96	73	5	ND	12	117	.9	5	2	41	2.38	.097	36	10	.22	629	.01	2	.71	.01	.13	1	14	1300
22534 DR	4	31	42	210	.3	36	13	717	4.10	72	5	ND	10	90	1.6	2	2	35	1.23	.101	42	11	.15	362	.01	5	.65	.01	.15	1	19	320
22535 DR	5	44	12	321	.2	68	15	156	3.39	25	5	ND	6	89	1.1	2	2	37	.18	.048	25	8	.08	742	.01	3	.65	.01	.18	1	3	200
22536 DR	10	27	18	136	.4	30	3	42	2.40	24	5	ND	5	105	.2	2	2	59	.16	.058	25	8	.05	795	.01	6	.52	.01	.19	1	5	430
22537 DR	21	79	10	349	1.5	61	3	69	1.74	28	5	ND	2	393	4.6	6	3	227	.72	.322	12	27	.08	260	.01	10	.76	.01	.13	1	4	390
22538 DR	17	67	17	517	1.5	67	5	120	2.59	30	5	ND	3	343	9.7	4	2	151	.82	.196	15	22	.32	453	.01	8	.77	.01	.17	1	3	350
22539 DR	5	51	21	415	1.2	64	14	129	3.23	30	5	ND	6	120	7.9	2	2	45	.10	.049	31	9	.17	171	.01	3	.59	.01	.18	1	3	400
22540 DR	5	43	36	317	.4	81	16	145	3.19	54	5	ND	5	98	2.8	4	2	32	.17	.040	26	7	.23	34	.01	5	.64	.01	.21	1	1	660
22541 DR	3	25	32	455	.3	47	14	597	4.08	272	5	ND	8	233	4.2	10	2	25	2.16	.088	22	10	.76	31	.01	5	.67	.01	.16	1	5	1200
22542 DR	2	11	105	490	.2	44	13	861	3.75	63	5	ND	9	283	5.8	28	2	22	3.27	.090	22	11	.94	72	.01	4	.69	.01	.14	1	3	1300
22543 DR	2	14	114	366	.3	30	11	945	3.70	73	5	ND	9	302	3.0	28	2	25	3.82	.084	19	13	1.11	336	.01	2	.69	.01	.16	1	3	2300
22544 DR	2	15	34	255	.1	21	10	788	3.79	143	5	ND	7	231	2.7	15	2	25	2.74	.051	20	12	.88	339	.01	4	.55	.01	.13	1	4	4400
22545 DR	5	38	22	445	.4	71	16	259	3.51	48	5	ND	6	93	4.3	5	2	37	.41	.042	31	12	.54	57	.01	2	.54	.01	.20	1	3	1200
22546 DR	4	40	15	457	.4	72	16	223	3.60	60	5	ND	6	91	5.2	6	2	31	.39	.035	30	11	.58	48	.01	2	.52	.01	.20	1	2	1300
22547 DR	6	39	18	456	.4	77	15	213	3.28	63	5	ND	7	99	4.8	11	2	28	.32	.047	31	10	.62	52	.01	4	.51	.01	.20	1	6	720
22548 DR	5	44	19	387	.3	74	15	284	3.68	40	5	ND	7	146	3.9	7	2	29	.58	.069	32	14	.76	73	.01	5	.54	.01	.22	1	8	630
22549 DR	4	25	46	270	.4	45	11	571	3.41	1164	5	ND	4	313	2.1	19	2	23	2.13	.044	14	10	.84	20	.01	4	.51	.01	.16	1	200	1200
22550 DR	1	10	47	90	1.1	8	7	1136	3.56	1359	5	2	5	306	1.8	547	3	16	3.76	.048	10	12	1.19	34	.01	4	.46	.01	.13	2	1290	1100
22551 DR	1	15	53	123	.9	9	7	1094	3.55	1410	5	ND	3	260	1.8	39	2	13	4.17	.025	8	13	1.38	45	.01	2	.45	.01	.11	1	910	1050
22552 DR	2	17	88	133	1.6	9	8	1384	3.82	525	5	ND	4	279	1.9	57	2	12	3.84	.061	8	12	1.27	36	.01	4	.51	.01	.14	1	590	1100
STANDARD C/AU-R	18	58	40	131	6.9	68	31	1052	3.97	41	20	8	36	52	18.5	18	17	56	.45	.094	37	58	.89	181	.08	34	1.89	.06	.14	13	490	1400

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	Hg ppb
22553 DR	1	12	139	193	1.3	14	9	1255	3.54	952	5	ND	3	267	2.9	102	2	13	3.67	.062	9	14	1.24	38	.01	4	.54	.01	.12	1	460	700
22554 DR	1	13	210	290	3.1	10	8	1286	3.52	2087	5	ND	3	307	4.8	247	2	13	3.91	.043	8	12	1.28	45	.01	2	.51	.01	.12	1	750	680
22555 DR	1	14	236	195	1.9	11	8	1110	3.26	1104	5	ND	4	297	2.6	144	2	12	3.57	.068	10	13	1.15	43	.01	8	.51	.01	.12	1	550	900
22556 DR	1	17	113	118	1.1	8	8	1149	3.16	1155	5	ND	5	362	2.1	71	2	12	3.73	.084	10	11	1.18	35	.01	4	.53	.01	.12	2	570	600
22557 DR	1	10	112	150	1.6	9	8	1501	3.41	671	5	ND	4	325	3.6	138	2	12	3.63	.057	9	12	1.20	44	.01	2	.44	.01	.12	2	660	580
22558 DR	1	14	90	88	1.4	12	85	1148	3.56	2695	5	2	4	251	2.4	2620	2	20	3.20	.031	12	23	1.05	57	.01	2	.55	.01	.09	130	2170	5500
22559 DR	1	36	158	939	2.4	10	6	1583	3.40	1550	5	3	1	212	12.3	16828	2	25	3.47	.032	7	15	1.11	49	.01	2	.41	.01	.09	1	3010	3800
22560 DR	2	18	56	142	1.2	19	7	822	2.75	2424	5	ND	3	206	2.1	3314	2	19	2.13	.055	12	8	.70	52	.01	3	.49	.01	.11	1	2350	1700
22561 DR	3	48	14	197	.2	41	9	137	3.02	770	5	ND	5	95	1.2	105	2	17	.13	.025	22	7	.38	30	.01	2	.39	.02	.20	1	80	1300
22562 DR	3	50	10	163	.1	41	11	109	2.49	76	5	ND	6	78	.6	56	2	24	.17	.037	25	9	.32	43	.01	2	.43	.02	.20	4	21	800
22563 DR	4	52	15	191	.2	48	10	148	2.72	51	6	ND	7	53	1.1	56	2	37	.11	.031	29	10	.33	69	.01	2	.53	.02	.23	1	11	490
22564 DR	1	30	13	331	.3	34	12	513	3.51	149	7	ND	10	119	2.1	36	2	24	.79	.070	32	14	.08	698	.01	2	.56	.01	.17	1	16	2100
22565 DR	2	34	54	161	.2	22	10	385	3.11	96	6	ND	7	145	.7	20	2	18	.49	.056	26	13	.07	910	.01	2	.53	.01	.14	1	4	2800
22566 DR	1	23	45	124	.3	17	14	671	3.10	458	5	ND	6	235	.8	23	2	11	1.74	.038	21	14	.33	744	.01	2	.46	.01	.12	11	17	5600
22567 DR	1	22	24	35	.8	11	7	622	3.55	5877	5	3	7	398	1.1	41	2	9	1.03	.058	21	10	.40	781	.01	2	.42	.01	.11	1	2730	3500
22568 DR	1	22	23	97	.3	13	8	590	3.42	2621	5	ND	8	321	1.2	35	2	8	1.62	.071	18	11	.39	855	.01	2	.49	.01	.12	1	700	2700
22569 DR	1	23	37	181	.2	22	11	744	3.51	884	5	ND	7	180	1.1	27	2	13	1.27	.061	23	13	.17	796	.01	2	.50	.01	.12	1	78	5800
22570 DR	2	33	22	312	.2	33	17	809	4.09	552	7	ND	9	87	1.6	22	2	22	.28	.101	37	13	.08	458	.01	2	.63	.01	.17	4	47	2800
22571 DR	1	18	13	173	.2	25	11	556	3.89	133	9	ND	11	50	1.4	9	2	34	.30	.095	42	13	.07	283	.01	2	.62	.01	.15	1	19	1400
22572 DR	12	98	27	271	.8	60	9	392	2.81	122	5	ND	5	275	4.1	14	2	332	1.03	.508	28	40	.09	1733	.01	7	1.02	.01	.25	1	6	1300
22573 DR	47	118	9	530	.7	108	6	243	1.91	181	5	ND	3	228	7.2	10	2	635	.78	.396	19	59	.10	1207	.01	8	.85	.01	.30	1	11	350
22574 DR	10	27	22	767	.2	71	12	517	3.96	81	5	ND	11	99	7.9	14	2	43	.56	.123	38	12	.26	599	.01	2	1.02	.01	.18	1	4	100
22575 DR	4	24	18	237	.1	33	8	441	3.29	49	5	ND	10	170	3.2	8	2	42	1.64	.085	29	15	.58	443	.01	2	.94	.01	.17	1	5	60
22576 DR	5	39	19	880	.1	93	19	637	3.91	51	5	ND	11	91	17.3	12	2	39	.86	.100	36	12	.22	399	.01	2	.92	.02	.19	1	3	40
22577 DR	3	33	41	626	.2	92	32	630	3.69	109	8	ND	11	56	19.2	13	2	37	.34	.105	37	12	.11	369	.01	2	.73	.01	.18	30	4	500
22578 DR	3	19	12	228	.2	40	10	585	3.86	109	5	ND	12	99	2.8	17	2	48	1.04	.103	29	16	.36	269	.01	2	.89	.01	.16	6	7	120
22579 DR	2	12	18	139	.1	16	6	601	3.50	56	5	ND	10	162	1.7	9	2	40	2.54	.087	25	16	.56	213	.01	2	.81	.01	.14	1	4	100
22580 DR	1	14	15	98	.2	11	7	647	3.34	170	5	ND	9	199	1.1	17	2	36	3.32	.102	26	19	.61	234	.01	2	.61	.01	.12	1	5	580
22581 DR	2	15	19	114	.2	17	8	599	3.33	111	5	ND	14	133	1.7	54	2	53	1.84	.106	42	23	.54	737	.01	2	.99	.01	.13	1	12	850
22582 DR	2	16	33	104	.1	9	7	571	3.11	197	5	ND	14	184	1.2	28	2	45	2.12	.089	38	24	.78	671	.01	2	.69	.01	.08	1	39	1500
22583 DR	2	22	41	133	.2	17	199	867	3.79	256	5	ND	11	166	1.7	26	2	49	.81	.042	26	41	.64	835	.01	2	.68	.01	.04	174	71	2800
22584 DR	2	21	46	128	.1	12	9	863	3.28	78	8	ND	14	144	1.2	24	3	57	.20	.046	28	23	.47	943	.01	2	.82	.01	.01	1	21	3500
22585 DR	1	18	45	116	.3	9	9	932	3.88	426	5	ND	11	183	1.8	27	2	53	.68	.033	24	24	.64	598	.01	2	.65	.01	.03	1	570	2800
22586 DR	2	17	41	104	.1	9	8	824	3.28	72	5	ND	11	136	1.3	26	2	53	.71	.044	30	24	.55	965	.01	2	.74	.01	.01	1	9	5200
22587 DR	1	18	33	114	.2	9	10	821	3.30	65	5	ND	11	132	1.0	45	2	60	1.99	.041	31	31	.86	1091	.01	2	.67	.01	.01	5	3	5900
22588 DR	1	20	35	123	.2	9	7	920	3.66	247	5	ND	11	125	1.4	893	2	58	.53	.049	31	25	.44	757	.01	2	.65	.01	.02	1	200	4200
STANDARD C/AU-R	18	57	39	131	6.7	67	31	1056	3.98	43	18	7	36	53	18.3	15	19	56	.45	.093	37	57	.89	181	.07	33	1.90	.06	.14	13	500	1400

90-317

90-318 BCRC

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	Hg ppb
22589 DR	2	18	38	119	.3	14	9	902	3.51	205	5	ND	17	94	.7	31	3	63	2.08	.109	52	22	.93	454	.01	3	.64	.01	.07	1	86	2800
22590 DR	2	18	58	156	.5	12	9	736	2.94	187	5	ND	17	126	.6	20	2	56	2.49	.113	50	19	.92	251	.01	3	.77	.01	.12	1	200	850
22591 DR	2	20	83	365	.9	14	11	1230	3.55	877	5	ND	16	188	3.6	176	2	54	2.43	.107	51	20	.88	117	.02	2	.96	.01	.16	3	1250	4300
22592 DR	2	17	20	121	.1	15	10	856	3.79	394	5	ND	17	93	.7	26	2	64	1.74	.120	70	22	.74	284	.01	2	.75	.01	.07	1	400	3000
22593 DR	2	15	19	115	.2	14	10	801	3.57	1590	5	ND	17	183	.2	23	2	47	2.41	.110	40	16	.97	369	.01	2	.68	.01	.09	1	1270	3300
22594 DR	2	20	18	167	.3	14	11	898	3.95	1014	5	2	13	142	.2	236	2	37	2.43	.085	24	12	.98	158	.01	9	.67	.01	.09	1	1760	4600
22595 DR	2	16	27	119	.4	14	13	776	3.82	2552	5	2	15	134	.5	37	4	40	2.81	.093	32	14	1.07	136	.01	5	.67	.01	.11	6	1980	5000
22596 DR	2	13	27	93	.8	11	8	886	3.73	1565	5	ND	11	318	.8	102	6	25	3.06	.082	20	5	1.13	71	.01	5	.64	.01	.12	1	1190	2400
22597 DR	2	17	31	82	.4	12	8	686	3.07	919	5	ND	10	165	.4	25	4	31	2.46	.055	21	11	.89	192	.01	4	.65	.01	.12	1	520	4300
22600 DR	4	32	19	206	.1	64	18	457	3.71	70	5	ND	8	119	.6	7	2	35	.70	.055	26	11	.19	528	.01	4	.79	.01	.19	1	44	1050
22601 DR	4	19	13	96	.1	24	12	510	3.46	22	5	ND	15	106	.3	6	2	37	2.63	.115	32	20	.43	294	.01	2	1.19	.01	.14	2	12	260
22602 DR	2	12	15	80	.1	16	10	603	3.56	32	5	ND	13	186	.3	9	4	31	2.61	.109	27	15	.60	385	.01	2	1.08	.01	.13	1	4	540
22603 DR	3	8	24	87	.1	23	12	699	3.51	36	5	ND	13	217	.2	2	2	32	2.19	.070	26	18	.58	692	.01	2	.54	.01	.09	1	1	2200
22604 DR	3	17	22	84	.1	15	9	696	2.89	132	5	ND	12	256	.2	8	5	28	2.52	.039	30	14	.78	679	.01	9	.59	.01	.10	1	2	4300
22605 DR	8	25	18	59	.2	43	12	520	2.95	86	5	ND	10	311	.2	7	2	28	2.08	.040	27	12	.62	729	.01	3	.51	.01	.12	4	19	1400
22606 DR	9	39	27	46	.5	72	10	67	2.28	47	5	ND	7	120	.2	6	2	28	.12	.043	29	6	.07	505	.01	4	.47	.01	.17	1	18	360
22607 DR	7	42	9	45	.3	66	13	55	2.03	24	5	ND	8	105	.2	3	3	22	.10	.044	34	7	.07	490	.01	4	.58	.01	.20	1	11	380
22608 DR	3	30	18	156	.1	51	14	473	4.04	23	5	ND	6	171	1.1	2	2	30	1.15	.072	29	16	.40	420	.01	5	.74	.01	.18	1	5	150
22609 DR	6	35	21	200	.1	64	16	211	3.97	40	5	ND	6	82	.8	2	2	28	.31	.038	25	9	.33	218	.01	4	.67	.02	.17	1	1	120
22610 DR	5	36	13	277	.1	60	15	193	3.38	21	5	ND	2	151	.6	2	2	40	.83	.038	5	7	.81	95	.01	3	.57	.02	.15	1	2	70
22611 DR	4	40	19	264	.1	73	19	187	3.64	34	5	ND	3	109	.5	2	2	26	.51	.040	7	7	.64	64	.01	3	.52	.01	.14	1	2	100
22612 DR	7	38	19	202	.1	65	15	183	3.51	18	5	ND	2	68	.2	2	2	26	.30	.039	7	5	.53	102	.01	2	.55	.01	.17	1	1	80
22613 DR	6	39	14	264	.2	69	16	207	4.08	27	5	ND	2	97	1.0	2	2	31	.46	.041	7	7	.75	78	.01	2	.59	.02	.16	1	2	90
22614 DR	6	38	16	217	.1	62	15	219	3.89	20	5	ND	3	118	.9	2	2	28	.55	.040	6	7	.73	91	.01	2	.57	.02	.16	1	2	40
22615 DR	19	76	12	724	1.1	100	13	93	3.17	37	5	ND	2	208	8.3	3	2	148	1.04	.245	3	22	.37	30	.01	4	.83	.02	.18	1	1	50
22616 DR	10	40	12	229	.2	78	14	116	3.43	32	5	ND	2	146	1.0	2	2	34	.84	.061	3	7	.54	35	.01	4	.63	.02	.18	1	2	90
22617 DR	9	41	12	281	.2	55	15	110	2.80	23	5	ND	1	130	1.3	2	2	43	.69	.084	4	9	.49	70	.01	2	.73	.02	.19	1	13	30
22618 DR	1	30	84	218	3.7	13	4	343	1.39	2467	5	12	4	127	9.2	14360	6	14	.13	.029	30	7	.04	228	.01	4	.57	.01	.06	1	12390	17000
22619 DR	2	20	58	312	2.5	18	6	258	2.88	5892	5	10	8	224	2.5	3054	2	19	.11	.037	35	9	.03	528	.01	2	.59	.01	.12	1	10410	16000
22620 DR	4	27	81	193	2.2	11	4	94	3.07	3839	5	ND	7	304	2.3	2171	4	28	.10	.033	31	12	.04	188	.01	3	.63	.01	.25	1	4320	17000
22621 DR	4	32	35	84	1.1	8	3	36	2.39	2058	5	ND	7	297	.8	193	3	30	.08	.033	36	10	.04	239	.01	4	.61	.01	.29	1	1520	4700
22622 DR	4	16	37	87	2.3	6	2	31	1.98	1201	5	ND	5	246	.2	162	2	34	.05	.028	32	8	.03	393	.01	2	.50	.01	.26	1	3590	5600
22623 DR	4	22	234	193	3.4	21	5	81	3.00	1633	5	ND	7	159	1.2	221	2	34	.05	.037	28	12	.03	508	.01	2	.52	.01	.18	1	4390	5400
22624 DR	2	60	74	5489	2.0	33	13	3494	3.56	2088	6	2	9	312	55.1	246	2	19	1.77	.039	18	8	.44	85	.01	2	.69	.01	.12	1	2510	5100
22625 DR	4	93	3005	1132	26.1	11	3	316	3.35	1167	5	2	5	123	24.7	1744	2	32	.13	.028	20	9	.04	400	.01	2	.47	.01	.15	2	6030	30000
22626 DR	3	37	130	1089	1.8	18	10	1758	3.31	3280	5	ND	8	418	17.7	347	3	13	1.60	.071	20	5	.55	199	.01	2	.48	.01	.16	1	1700	6300
STANDARD C/AU-R	19	58	40	131	7.1	72	32	1055	3.98	42	22	7	38	53	18.1	19	18	56	.46	.097	38	60	.90	182	.07	33	1.89	.06	.14	13	530	1500

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BCRC 90-319
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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	HG ppb
22627 DR	4	22	54	293	.9	43	13	693	3.30	1182	5	ND	10	134	3.4	588	4	19	.39	.021	29	7	.18	138	.01	7	.47	.01	.21	1	1090	3800
22628 DR	6	22	49	196	.6	53	14	403	3.09	1484	5	ND	11	190	1.0	346	2	22	.41	.024	32	7	.16	488	.01	7	.59	.01	.22	1	320	2600
22629 DR	5	48	44	396	.4	73	20	313	4.40	311	5	ND	11	111	1.9	150	2	39	.17	.037	36	13	.12	323	.01	7	.84	.02	.29	1	160	2100
22630 DR	9	39	29	233	.4	48	10	75	3.04	190	5	ND	7	186	1.5	64	2	35	.23	.054	27	8	.10	56	.01	5	.58	.01	.25	1	34	660
22631 DR	6	35	27	205	.1	86	23	232	4.20	169	5	ND	10	121	.2	39	2	22	.20	.036	33	8	.43	63	.01	6	.65	.02	.26	1	39	680
22632 DR	9	42	23	193	.2	69	15	117	2.85	189	5	ND	9	150	.8	38	2	25	.47	.054	30	6	.33	89	.01	4	.62	.01	.23	1	26	410
22633 DR	11	47	26	257	.4	84	17	59	3.37	166	5	ND	8	151	1.4	28	2	40	.19	.070	25	8	.09	35	.01	3	.61	.02	.22	1	15	430
22634 DR	13	57	20	252	.4	52	11	40	2.45	83	5	ND	8	220	1.1	17	2	58	.13	.067	29	10	.08	317	.01	4	.59	.01	.18	1	5	240
22635 DR	4	32	15	219	.1	49	12	438	3.39	42	5	ND	10	565	1.0	13	2	40	2.03	.083	32	14	.89	223	.01	2	.65	.01	.19	1	9	100
22636 DR	3	19	21	129	.1	17	12	648	3.26	33	5	ND	12	517	.7	9	2	22	2.99	.093	29	11	1.06	276	.01	2	.51	.01	.14	1	10	80
22637 DR	3	19	27	124	.2	20	12	619	2.95	61	5	ND	13	505	.7	39	2	20	3.03	.096	29	10	1.01	305	.01	4	.51	.01	.15	1	74	200
22638 DR	9	38	23	237	.3	54	13	222	2.96	44	7	ND	9	511	1.7	15	3	37	1.61	.056	26	9	.54	56	.01	3	.51	.01	.17	1	5	130
22639 DR	3	21	20	102	.1	21	10	505	2.91	86	5	ND	8	736	.6	10	9	13	3.43	.042	13	4	1.25	64	.01	2	.43	.01	.15	1	7	50
22640 DR	5	38	19	216	.1	68	19	204	4.12	45	5	ND	6	99	.5	12	2	22	.23	.038	18	5	.56	69	.01	2	.54	.02	.21	1	4	110
22641 DR	6	37	18	239	.2	64	16	190	3.59	33	5	ND	5	151	.7	11	2	32	.69	.035	10	6	.71	65	.01	4	.59	.02	.20	1	8	120
22642 DR	8	44	28	264	.2	98	22	179	4.00	48	5	ND	4	120	.6	14	2	32	.39	.042	4	8	.61	56	.01	2	.67	.02	.19	1	6	170
22643 DR	3	24	39	334	.1	23	14	866	3.84	320	5	ND	22	56	.5	275	2	74	.41	.121	60	28	.09	828	.01	2	.66	.01	.06	1	142	5800
22644 DR	3	21	29	443	.1	30	16	1336	4.77	122	5	ND	20	130	.5	388	2	71	.36	.107	53	28	.08	757	.01	2	.76	.01	.05	1	34	4500
22645 DR	3	23	68	353	.4	24	15	1297	3.52	648	5	ND	20	185	1.5	510	2	52	.41	.076	50	18	.10	971	.01	3	.77	.01	.07	1	500	2700
22646 DR	3	21	111	392	.7	17	13	1888	3.15	811	5	ND	19	236	2.4	378	2	42	.94	.069	43	17	.13	1108	.01	5	.68	.01	.08	1	520	2600
22647 DR	2	20	44	465	.4	18	14	1607	3.76	1466	5	ND	15	153	1.4	1693	2	49	.97	.043	31	19	.14	1756	.01	2	.59	.01	.08	1	1380	2800
22648 DR	3	25	37	414	.2	43	18	1393	3.62	683	5	ND	14	108	.7	691	3	46	1.22	.034	28	19	.09	619	.01	4	.64	.01	.08	1	350	3500
22649 DR	4	33	16	141	.1	23	8	95	3.10	152	5	ND	11	80	.2	127	3	24	.14	.035	39	9	.05	356	.01	7	.45	.02	.20	1	20	1700
22650 DR	6	27	56	386	.5	30	11	603	3.86	327	5	ND	10	135	3.2	94	6	33	.15	.037	33	11	.05	431	.01	3	.51	.01	.23	1	18	3200
22651 DR	2	14	93	327	1.2	8	7	816	3.10	1310	5	ND	9	123	3.0	64	3	11	.31	.038	30	3	.08	373	.01	4	.45	.01	.13	1	910	6600
22652 DR	2	24	61	225	.9	17	10	1220	3.38	2525	5	ND	10	175	1.8	65	2	9	.90	.034	27	3	.30	334	.01	2	.43	.01	.12	1	420	4900
22653 DR	5	17	67	128	3.3	14	6	330	2.36	2849	5	ND	10	226	1.6	139	2	43	.29	.060	32	11	.12	324	.01	8	.51	.01	.27	1	2130	10000
22654 DR	2	29	110	308	1.8	14	10	1303	3.83	2351	5	2	10	171	3.2	95	2	13	1.81	.059	17	5	.47	56	.01	7	.48	.01	.17	1	1560	2600
22655 DR	3	26	357	357	5.3	8	6	860	2.89	2266	5	7	8	212	5.0	224	5	17	1.69	.034	14	5	.44	111	.01	6	.34	.01	.12	1	6300	5600
22656 DR	2	26	45	174	.7	11	9	1116	3.53	3475	5	2	10	250	2.2	44	2	14	3.20	.046	15	6	.86	68	.01	2	.51	.01	.13	1	1460	8700
22657 DR	2	24	31	189	.1	10	9	946	3.25	1415	5	ND	11	285	2.1	31	2	14	3.56	.084	22	5	.91	77	.01	6	.52	.01	.16	1	280	3300
22658 DR	3	18	17	140	.1	12	9	822	3.33	267	5	ND	15	296	1.3	95	4	15	3.10	.095	24	7	.79	73	.01	2	.66	.01	.15	1	42	950
22659 DR	2	22	18	143	.1	12	10	724	3.61	126	7	ND	14	238	.8	46	4	25	2.73	.098	27	10	.74	115	.01	4	.80	.01	.14	1	23	510
22660 DR	3	24	18	147	.1	10	10	714	3.65	381	5	ND	14	188	.8	35	7	30	1.74	.101	32	12	.69	187	.01	2	.66	.01	.14	1	103	720
22661 DR	4	38	19	157	.1	37	11	483	3.08	446	5	ND	10	252	1.1	31	7	22	1.48	.066	28	7	.64	259	.01	2	.63	.01	.22	1	210	430
22662 DR	9	36	18	96	.1	64	10	268	2.40	215	5	ND	8	252	1.3	20	5	43	.86	.062	24	11	.37	198	.01	2	.62	.01	.20	1	51	180
STANDARD C/AU-R	19	57	37	132	6.7	70	32	1054	3.97	42	18	7	39	52	19.2	14	23	58	.46	.096	40	59	.90	180	.08	34	1.89	.06	.13	11	490	1300

90-320

90-321

BERC

90-321

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	Hg ppb
22663 DR	3	19	12	86	.2	22	8	407	3.07	126	5	ND	9	212	.9	24	2	23	1.69	.090	24	15	.73	229	.01	2	.87	.01	.13	1	21	580
22664 DR	5	20	19	66	.2	37	10	498	2.96	182	5	ND	9	137	1.0	37	3	28	1.44	.074	24	12	.46	220	.01	2	.59	.01	.16	1	13	2500
22665 DR	5	14	13	85	.3	32	9	554	2.98	135	5	ND	11	162	.7	26	2	36	1.47	.095	29	16	.55	254	.01	3	.57	.01	.14	1	18	1400
22666 DR	5	14	21	134	.3	46	9	716	3.05	86	5	ND	8	284	.9	19	2	33	2.58	.057	21	15	.86	218	.01	4	.47	.01	.14	1	10	1050
22667 DR	2	13	17	106	.3	44	9	597	2.93	1203	5	ND	9	326	.4	15	2	22	2.78	.068	17	13	.85	273	.01	2	.55	.01	.11	1	1010	1600
22668 DR	3	34	17	241	.1	57	16	246	4.21	76	5	ND	7	85	1.4	7	2	25	.22	.037	32	10	.50	227	.01	5	.52	.01	.20	1	18	610
22669 DR	15	36	18	204	.3	94	14	209	4.51	84	5	ND	5	149	2.0	9	2	22	.63	.034	24	11	.59	53	.01	7	.48	.01	.16	1	7	570
22670 DR	7	31	23	212	.1	74	16	209	3.31	38	5	ND	5	112	.9	5	2	23	.39	.038	25	11	.53	69	.01	2	.49	.01	.17	1	7	180
22671 DR	10	34	12	194	.3	67	12	120	2.67	32	5	ND	4	150	1.2	4	2	40	.79	.046	18	10	.66	52	.01	3	.49	.01	.15	1	9	120
22672 DR	5	31	17	222	.2	60	16	242	3.89	38	5	ND	4	100	2.0	5	2	25	.25	.029	18	12	.70	105	.01	3	.45	.01	.16	1	4	100

90-322

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	Hg ppb
22673 DR	3	16	41	186	.2	20	10	917	3.49	192	5	ND	12	107	1.7	112	2	66	.38	.047	32	27	.32	888	.01	2	.73	.01	.03	3	46	5300
22674 DR	2	16	40	159	.3	17	9	1049	3.50	137	5	ND	12	97	.5	109	2	62	.32	.037	24	23	.27	738	.01	10	.64	.01	.02	1	14	3800
22675 DR	2	15	27	136	.9	15	9	1448	3.76	1110	5	2	11	141	1.5	2119	2	37	1.27	.026	25	18	.34	467	.01	2	.50	.01	.07	1	1170	3300
22676 DR	2	16	34	125	.2	18	11	965	3.40	151	5	ND	11	93	.7	204	2	54	.37	.034	23	21	.23	683	.01	2	.64	.01	.03	1	52	4000
22677 DR	2	16	40	128	.2	17	10	1009	3.72	92	5	ND	13	100	1.0	93	2	65	.78	.041	30	27	.49	811	.01	2	.62	.01	.01	2	15	5800
22678 DR	2	16	42	177	.1	14	10	861	3.26	80	5	ND	13	109	1.3	166	2	64	2.33	.039	25	27	.76	736	.01	6	.65	.01	.02	1	16	5900
22679 DR	2	15	52	190	1.0	17	9	990	3.33	2567	5	3	11	144	1.3	1372	2	43	1.83	.024	25	19	.62	433	.01	10	.51	.01	.05	1	2940	6600
22680 DR	1	16	41	182	.4	16	9	1086	4.12	1158	5	ND	10	92	.9	216	2	55	1.00	.028	21	24	.54	552	.01	2	.68	.01	.03	1	980	8800
22681 DR	2	17	35	176	.2	17	10	790	2.70	125	5	ND	12	111	.9	350	2	66	2.02	.044	23	26	.73	861	.01	2	.60	.01	.01	1	68	4400
22682 DR	1	16	29	150	.1	16	10	896	4.05	149	5	ND	12	90	.7	58	2	64	1.44	.035	27	27	.69	697	.01	2	.60	.01	.02	1	28	3100
22683 DR	1	14	21	121	.2	15	9	776	3.43	302	5	ND	14	97	1.7	85	2	59	2.84	.083	39	27	.68	515	.01	2	.85	.01	.08	1	24	3200
22684 DR	2	13	15	91	.1	9	8	589	3.14	119	5	ND	13	147	.8	27	2	70	2.81	.099	40	40	1.15	210	.02	2	1.27	.02	.12	1	25	600
22685 DR	2	18	18	90	.1	12	7	606	3.41	351	5	ND	10	193	1.1	42	2	53	2.63	.097	34	30	1.03	329	.04	2	1.14	.02	.23	1	62	1100
22686 DR	1	13	26	73	.4	10	7	574	3.47	1366	5	ND	6	289	1.1	45	2	12	2.79	.067	14	9	.90	135	.01	4	.44	.01	.13	1	220	2300
22687 DR	1	19	62	144	1.1	11	7	1186	3.16	2142	5	ND	5	292	2.0	66	2	12	2.34	.078	13	8	.76	183	.01	3	.42	.01	.13	1	810	2100
22688 DR	1	23	116	260	1.1	7	6	1470	3.00	940	5	ND	7	214	3.6	51	2	11	1.95	.085	17	7	.62	201	.01	6	.44	.01	.15	1	310	1800
22689 DR	3	30	566	450	6.0	19	7	2008	3.19	1175	5	2	5	240	6.7	590	2	17	2.18	.068	14	11	.77	71	.01	6	.40	.01	.14	1	3550	2400
22690 DR	1	47	1387	1262	9.7	8	5	1799	2.59	2450	5	4	5	246	18.6	6173	2	14	1.97	.061	13	9	.66	102	.01	4	.42	.01	.13	1	3800	9600
22691 DR	5	29	67	185	1.0	39	10	703	3.52	506	5	ND	6	305	2.0	117	2	18	2.16	.076	19	12	.74	84	.01	4	.47	.01	.17	1	290	1100
22692 DR	2	13	29	128	.3	12	7	747	3.11	338	5	ND	9	265	.9	81	2	25	2.26	.088	26	13	.85	152	.01	2	.76	.01	.13	1	310	440
22693 DR	2	15	27	144	.3	11	8	598	3.32	89	5	ND	10	135	1.3	32	2	39	2.11	.092	29	16	.75	161	.01	2	1.10	.01	.13	1	30	450
22694 DR	3	18	27	133	.3	24	9	609	3.16	128	5	ND	7	212	1.1	48	2	23	1.89	.079	23	15	.67	212	.01	2	.66	.01	.15	1	47	1100
22695 DR	7	31	31	155	.3	60	12	367	2.53	139	5	ND	6	147	1.0	24	2	22	.64	.047	25	10	.42	202	.01	5	.50	.01	.18	1	34	730
22696 DR	4	8	27	120	.1	26	9	806	2.73	166	5	ND	8	355	.9	16	2	22	2.66	.036	16	15	.94	418	.01	2	.47	.01	.10	1	18	2500
22697 DR	2	9	23	87	.2	11	7	806	2.77	1000	5	ND	8	436	.8	19	2	18	3.36	.037	13	13	1.10	289	.01	2	.42	.01	.08	1	410	1900
22698 DR	5	14	23	56	.8	42	10	912	2.48	2482	5	3	4	256	.7	28	2	21	2.52	.028	12	11	.88	100	.01	8	.52	.01	.16	1	2680	5400
STANDARD C/AU-R	17	57	39	130	6.9	68	31	1052	3.98	41	20	8	37	53	18.4	15	19	56	.46	.095	38	57	.89	182	.07	33	1.89	.06	.14	11	540	1400

BCRC

90-328

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	HG ppb
22699 DR	6	19	30	84	.9	31	8	964	2.97	2958	5	ND	4	303	.8	46	2	21	3.13	.042	10	12	1.03	88	.01	4	.40	.01	.10	1	2300	2700
22700 DR	3	25	31	76	.6	15	9	993	3.24	1423	5	ND	5	405	.9	35	2	11	3.46	.022	10	11	1.18	52	.01	5	.38	.01	.11	1	980	4300
22701 DR	2	23	21	71	.6	15	8	870	3.08	1469	5	ND	5	386	1.0	74	2	12	3.63	.042	12	11	1.19	56	.01	4	.43	.01	.13	1	590	2900
22702 DR	2	22	23	109	.3	18	10	1144	3.72	961	5	ND	6	185	.4	31	2	14	1.86	.055	14	12	.71	80	.01	4	.48	.01	.12	1	210	3500
22703 DR	2	22	38	94	.3	14	9	977	2.99	219	5	ND	7	249	.8	23	2	17	3.21	.063	16	14	1.00	375	.01	3	.45	.01	.11	1	65	3800
22704 DR	4	34	19	105	.3	48	12	375	2.99	280	5	ND	6	243	1.0	24	2	23	1.57	.062	22	14	.62	76	.01	2	.58	.01	.18	1	210	900
22705 DR	11	57	18	523	.7	73	14	186	2.84	57	5	ND	5	138	5.3	12	2	51	.84	.105	24	13	.54	53	.01	9	.58	.02	.21	1	18	400
22706 DR	8	43	16	415	.5	65	13	231	3.15	43	5	ND	6	174	4.0	11	2	35	.69	.056	25	9	.64	69	.01	6	.50	.01	.19	1	9	360
22707 DR	7	40	18	257	.2	73	16	182	3.25	45	5	ND	5	118	1.3	6	2	33	.51	.038	24	11	.61	55	.01	4	.54	.01	.19	1	9	250
22708 DR	6	36	17	218	.2	60	16	284	3.78	168	5	ND	3	120	.6	12	2	23	.57	.038	16	13	.70	60	.01	4	.51	.01	.17	1	7	430

90-323

BERC

22709 DR	2	19	65	204	2.0	21	11	1485	5.47	1239	5	ND	10	104	.9	158	2	54	.50	.034	27	25	.36	659	.01	3	.55	.01	.05	1	1750	4400
22710 DR	2	18	40	126	1.1	17	10	1358	3.96	3160	5	6	10	125	.7	1619	2	44	.85	.027	21	19	.31	477	.01	5	.49	.01	.06	1	5010	8600
22711 DR	2	17	41	193	.9	19	11	1294	3.82	2544	5	4	12	133	.8	357	2	42	.64	.033	24	17	.28	642	.01	4	.52	.01	.06	1	3680	3600
22712 DR	2	19	49	176	.5	19	12	1303	3.48	913	5	ND	11	112	1.1	140	2	48	.63	.035	23	19	.27	687	.01	2	.58	.01	.05	1	960	4700
22713 DR	2	18	27	135	1.2	18	10	1097	3.31	1858	5	4	14	140	1.0	65	2	47	1.97	.079	36	23	.60	395	.01	2	.61	.01	.09	1	3790	3500
22714 DR	2	16	45	225	.4	21	11	748	3.50	252	5	ND	18	56	1.7	52	2	67	1.44	.115	62	27	.35	438	.01	2	.63	.01	.07	1	300	2600
22715 DR	2	15	30	122	.3	15	9	693	3.27	141	5	ND	17	91	.4	30	2	63	1.78	.107	52	25	.55	345	.01	8	.60	.01	.07	1	210	2300
22717 DR	2	13	21	121	.2	15	10	834	3.07	467	5	ND	16	161	.9	34	2	57	2.31	.102	48	23	.70	683	.01	2	.75	.01	.07	1	250	2800
22718 DR	5	31	22	104	.2	53	13	542	2.95	154	5	ND	9	104	.7	40	2	39	1.14	.076	29	15	.43	396	.01	3	.58	.01	.19	1	130	1400
22719 DR	3	12	28	186	.2	19	9	694	3.48	180	5	ND	11	206	1.9	33	2	34	2.35	.102	29	13	.75	549	.01	11	.64	.01	.13	1	63	4400
22720 DR	2	11	30	123	.2	13	9	803	2.94	166	5	ND	9	118	.9	28	2	45	2.78	.047	20	13	.85	631	.01	2	.55	.01	.07	1	110	2700
22721 DR	2	5	28	77	.1	12	9	908	3.12	120	5	ND	7	98	.5	27	2	48	1.74	.034	16	15	.54	833	.01	2	.61	.01	.06	1	57	3300
22722 DR	2	11	24	86	.3	13	8	675	3.56	166	5	ND	10	141	.7	19	2	42	2.15	.052	23	16	.72	568	.01	2	.60	.01	.07	1	31	4500
22723 DR	2	12	28	79	.3	9	9	843	3.46	893	5	ND	8	102	1.4	34	2	41	1.28	.025	15	16	.60	412	.01	4	.58	.01	.07	1	580	6800
22724 DR	2	12	48	329	.5	10	9	830	3.51	871	5	ND	8	103	3.5	29	2	39	1.96	.022	16	16	.77	357	.01	3	.53	.01	.07	1	520	6200
22725 DR	1	10	29	143	.3	10	9	831	3.26	888	5	ND	8	173	1.2	28	2	25	2.92	.025	18	12	.97	422	.01	3	.51	.01	.10	1	350	4800
22726 DR	2	11	26	106	.4	11	8	941	3.28	2211	5	ND	6	349	1.2	30	2	20	3.48	.037	13	13	1.10	205	.01	3	.44	.01	.10	1	840	3800
22727 DR	1	9	43	225	.4	13	8	934	3.17	493	5	ND	7	209	1.8	36	2	20	3.27	.032	18	11	1.04	465	.01	9	.46	.01	.11	1	110	8600
22728 DR	2	9	67	170	.4	13	8	969	2.96	301	5	ND	8	186	1.4	32	2	23	2.76	.029	21	13	.94	555	.01	6	.51	.01	.10	1	13	4300
22729 DR	1	8	41	154	1.0	10	7	1304	3.04	3033	5	5	5	289	1.9	35	2	15	2.90	.037	13	10	.94	91	.01	5	.45	.01	.12	1	5420	3100
22730 DR	2	9	44	235	.4	16	9	949	3.25	344	5	ND	9	266	.7	25	2	17	3.18	.093	24	10	.92	269	.01	5	.52	.01	.16	1	310	2200
22731 DR	2	32	45	128	.5	20	9	568	2.96	251	5	ND	8	102	.9	27	2	26	1.23	.077	27	10	.52	275	.01	4	.63	.01	.18	1	92	1400
22732 DR	2	21	36	100	.4	13	9	611	3.13	75	5	ND	10	139	1.0	18	2	37	1.71	.096	30	20	.64	133	.01	4	.50	.01	.11	1	66	1100
22733 DR	2	12	29	85	.2	13	7	799	3.28	110	5	ND	8	350	.6	17	2	15	4.11	.081	18	13	1.21	142	.01	5	.58	.01	.13	1	63	1800
22734 DR	2	18	34	103	.2	19	9	860	3.09	162	5	ND	8	332	1.0	15	2	12	3.64	.074	17	11	1.14	291	.01	2	.49	.01	.12	1	12	2600
22735 DR	2	10	23	160	.1	20	11	760	2.92	95	5	ND	6	224	.6	14	2	26	2.50	.051	15	16	.89	483	.01	2	.50	.01	.08	1	13	3500
22736 DR	2	9	26	139	.1	17	9	767	2.82	78	5	ND	9	297	.7	14	2	26	2.53	.051	15	15	.92	491	.01	3	.48	.01	.08	1	39	2800
STANDARD C/AU-R	18	58	39	131	6.8	70	32	1053	3.98	40	20	7	37	53	18.6	15	18	56	.46	.094	38	58	.89	182	.07	34	1.89	.06	.14	11	510	1500

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJ. : 9011-013 File # 90-5700A

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5

90-383

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	Hg ppb
022737 DR	2	807	40	125	.2	13	9	851	2.94	39	5	ND	11	464	.4	10	2	14	3.98	.090	20	8	1.19	220	.01	4	.46	.01	.12	1	9	2600
022738 DR	3	999	25	107	.3	15	10	727	2.99	21	5	ND	12	436	.9	17	2	18	3.49	.096	26	13	1.14	154	.02	4	.54	.01	.15	1	22	480
022739 DR	3	479	20	100	.2	15	9	651	3.05	27	5	ND	12	357	.2	9	2	31	3.20	.093	30	21	1.13	215	.01	2	.78	.02	.16	1	9	430
022740 DR	6	1674	16	98	.3	17	10	599	3.23	65	5	ND	13	320	.3	12	4	31	2.62	.099	34	17	.84	127	.01	5	.63	.01	.13	1	13	1100
022741 DR	2	101	32	65	.4	11	8	744	2.99	1800	5	ND	9	239	.2	22	2	19	2.84	.070	18	10	.89	47	.01	6	.64	.01	.13	1	1560	4300
022742 DR	2	100	44	111	.9	11	8	776	2.86	3952	5	3	6	153	.2	45	2	16	2.07	.037	12	7	.71	48	.01	5	.54	.01	.13	1	3470	6800
022743 DR	19	102	48	651	1.0	51	7	498	2.46	1728	5	ND	3	194	7.6	94	2	103	1.94	.161	12	19	.64	31	.01	11	.60	.01	.16	1	840	4600
022744 DR	28	158	13	875	1.6	63	6	228	1.86	185	5	ND	1	248	11.4	21	2	253	2.36	.395	7	33	.64	39	.01	16	.63	.01	.15	1	110	2700
022745 DR	7	52	14	301	.4	65	15	228	3.66	107	5	ND	3	123	1.9	12	3	40	.56	.056	9	9	.58	48	.01	5	.53	.01	.17	1	45	840
STANDARD C/AU-R	18	60	37	130	7.0	73	32	1053	3.97	41	22	7	38	53	19.5	18	18	55	.46	.094	38	56	.89	183	.07	33	1.89	.06	.14	13	480	1500

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: CUTTING AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: NOV 1 1990 **DATE REPORT MAILED:** Nov 9/90. **SIGNED BY** ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

ACME ANAL LABORATORIES LTD. 852 E. HASTINGS ST. VA R B.C. V6A 1R6 PHONE(604)253-3158 FAX(6 3-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9007-027 327 File # 90-2400 Page 1

P.O. Box 2380, 1050 Davie St., Vancouver BC V6B 3T5

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	Hg ppb
14800E 21750N	1	10	13	50	.3	14	5	132	1.81	10	5	ND	2	13	1.2	4	2	48	.13	.022	12	19	.27	739	.04	3	1.27	.01	.03	1	20
14800E 21700N	2	22	6	110	.4	26	15	720	2.59	13	5	ND	1	23	1.8	2	2	65	.19	.072	11	31	.39	1370	.03	3	1.75	.01	.06	1	100
14800E 21650N	1	18	15	90	.4	23	13	413	2.26	13	5	ND	2	22	1.9	2	2	58	.24	.040	12	29	.39	1157	.04	2	1.61	.01	.04	1	80
14800E 21600N	1	24	13	86	.3	18	8	242	2.19	13	5	ND	2	34	1.6	2	2	44	.27	.060	13	27	.40	435	.05	2	1.48	.01	.04	1	240
14800E 21550N	3	13	9	194	.8	17	9	322	2.50	18	5	ND	2	32	2.1	3	2	55	.20	.105	11	25	.36	483	.04	2	1.67	.01	.05	1	80
14800E 21500N	1	12	19	74	.2	15	7	211	1.89	8	5	ND	3	32	1.5	2	2	35	.50	.064	14	21	.44	232	.05	2	1.03	.02	.04	1	50
14800E 21450N	1	13	8	53	.2	16	5	156	1.68	13	5	ND	3	18	.9	2	2	35	.28	.039	12	20	.32	245	.04	3	1.08	.01	.04	2	30
14800E 21400N	1	13	8	43	.1	15	4	120	1.42	7	5	ND	4	18	.8	2	2	29	.27	.054	14	15	.28	125	.05	4	.87	.01	.03	1	20
14800E 21350N	1	18	14	54	.2	18	6	148	1.60	8	5	ND	2	22	.3	2	2	30	.32	.054	14	18	.34	295	.04	3	1.01	.01	.03	1	30
14800E 21300N	1	19	14	61	.3	20	11	443	2.01	9	5	ND	3	28	.9	2	2	35	.47	.059	14	23	.40	316	.04	2	1.13	.01	.04	1	40
14800E 21250N	1	21	11	77	.2	20	7	252	2.16	10	5	ND	3	29	1.3	2	2	39	.44	.062	14	24	.46	313	.05	2	1.30	.02	.05	1	50
14800E 21200N	1	16	13	61	.1	22	8	237	2.08	8	5	ND	2	27	.8	2	2	45	.43	.057	13	26	.46	385	.05	2	1.54	.01	.04	1	50
14800E 21150N	1	24	15	79	.3	32	10	274	2.32	9	5	ND	3	32	1.0	2	2	49	.59	.062	15	34	.53	567	.05	2	1.77	.01	.04	1	60
14800E 21100N	1	20	12	69	.2	28	10	224	2.17	13	5	ND	3	28	.9	2	2	48	.46	.060	17	32	.49	462	.05	2	1.81	.01	.03	1	60
14800E 21050N	2	18	22	70	.3	22	8	193	2.22	10	5	ND	3	31	.7	2	2	55	.44	.067	13	32	.45	387	.06	3	1.86	.01	.04	1	90
14800E 21000N	1	19	13	64	.3	27	9	208	2.06	15	5	ND	2	31	.8	2	2	52	.35	.064	15	28	.42	502	.05	2	1.68	.01	.04	1	80
14800E 20950N	1	19	17	36	.4	15	6	195	1.45	7	5	ND	1	30	.6	2	2	50	.25	.071	14	24	.20	604	.03	2	1.70	.01	.04	1	60
14800E 20900N	1	12	12	50	.3	15	7	165	1.50	7	5	ND	4	30	.5	2	2	41	.26	.045	14	22	.33	370	.06	6	1.11	.01	.03	1	50
14800E 20850N	2	13	7	48	.3	20	6	148	1.77	13	5	ND	2	28	.4	2	2	52	.17	.042	12	24	.32	439	.03	2	1.45	.01	.03	1	60
14800E 20800N	2	13	11	57	.2	20	8	171	2.23	10	5	ND	2	19	1.5	2	2	51	.19	.048	12	27	.39	408	.04	4	1.77	.01	.03	1	50
14800E 20750N	1	14	18	56	.2	29	10	233	2.60	12	5	ND	3	19	1.5	2	3	66	.18	.028	12	35	.45	412	.05	2	2.36	.01	.03	1	30
14800E 20700N	1	13	4	79	.4	25	12	324	2.47	13	5	ND	4	11	.8	2	2	63	.12	.025	12	36	.39	431	.05	2	2.34	.01	.03	1	40
14800E 20650N	1	8	16	49	.5	18	7	207	2.30	8	5	ND	2	10	.9	2	3	67	.11	.037	11	23	.27	262	.04	4	1.88	.01	.03	1	30
14800E 20600N	2	17	11	40	.2	13	5	114	1.61	4	5	ND	4	19	.5	2	2	46	.09	.011	10	23	.27	387	.04	2	1.24	.01	.03	1	20
14800E 20550N	5	15	19	33	.6	10	3	77	1.31	7	5	ND	1	21	.4	2	2	61	.08	.026	7	15	.19	466	.03	2	.98	.01	.06	1	40
14800E 20500N	1	14	11	49	.6	11	5	119	2.19	11	5	ND	3	16	.8	2	2	50	.09	.024	11	22	.29	441	.04	2	1.57	.01	.06	1	80
14800E 20450N	1	10	9	35	.4	11	3	112	1.14	3	5	ND	1	29	.2	2	2	55	.15	.032	11	15	.26	499	.03	3	.99	.01	.04	1	30
14800E 20400N	3	18	23	36	.1	5	2	41	1.14	5	5	ND	3	53	.2	3	2	45	.05	.030	15	11	.11	697	.02	2	.70	.01	.04	1	20
14800E 20350N	2	20	12	62	.1	11	3	74	1.40	6	5	ND	3	16	.2	2	2	24	.07	.013	9	12	.19	434	.02	2	.64	.01	.04	1	30
14800E 20300N	2	7	3	36	.1	8	4	105	1.99	8	5	ND	3	14	.6	2	2	59	.10	.025	10	17	.25	350	.03	2	1.26	.01	.04	1	40
14800E 20250N	1	15	14	39	.4	7	3	88	1.65	4	5	ND	3	16	.6	2	2	47	.12	.015	11	21	.22	373	.04	4	1.55	.01	.04	1	30
14800E 20200N	1	8	12	35	.1	12	3	93	1.08	5	5	ND	2	13	.2	2	2	23	.12	.018	11	13	.26	217	.03	2	.94	.01	.05	1	30
14800E 20150N	10	14	19	14	1.1	6	2	26	1.14	11	5	ND	1	94	.2	3	2	54	.06	.069	9	8	.06	773	.01	3	.49	.01	.11	1	40
14800E 20100N	1	12	9	22	.1	6	2	57	1.01	2	5	ND	2	32	.2	2	2	23	.08	.015	11	13	.17	256	.02	2	.63	.01	.06	1	50
14800E 20050N	1	7	14	34	.1	11	4	138	1.58	5	5	ND	3	11	.2	2	2	39	.09	.011	10	18	.29	165	.05	2	1.08	.01	.03	2	10
14800E 20000N	1	12	12	30	.1	7	2	76	1.27	2	5	ND	5	20	.2	2	3	25	.07	.011	11	13	.21	207	.03	4	.76	.01	.05	1	10
STANDARD C	18	63	36	135	7.5	72	30	1018	3.88	44	17	8	36	51	18.8	15	19	55	.50	.093	37	60	.85	181	.07	36	1.91	.06	.14	12	1500

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: Soil -80 Mesh HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: JUL 10 1990 **DATE REPORT MAILED:** July 13/90 **SIGNED BY** ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Brewery

DDH 90-10, 11

Noranda Exploration Co. Ltd. PROJECT 9008-004 File # 90-2928 Page 1

P.O. Box 2380, 1050 Davie St., Vancouver BC V6B 3T5

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	Hg ppb
R 14726	5	40	37	277	5.7	28	8	139	3.03	6554	5	4	21	104	6.4	584	3	24	.18	.077	59	15	.05	3324	.01	7	.58	.01	.14	1	4310	9500
R 14727	3	9	30	64	.7	11	2	29	1.07	4841	5	ND	12	78	.6	352	2	15	.09	.053	48	6	.02	1000	.01	11	.59	.01	.13	1	1210	3400
R 14728	5	39	32	147	1.9	16	3	38	2.65	3583	5	2	14	67	1.1	632	2	24	.12	.057	43	7	.02	1044	.01	9	.51	.01	.11	2	2280	9300
R 14729	3	22	35	110	2.3	10	4	33	2.11	7880	5	3	15	76	1.3	169	2	23	.09	.047	47	9	.02	2493	.01	11	.60	.01	.12	1	3310	7500
R 14730	7	58	77	192	3.3	17	3	42	3.21	3299	5	ND	14	74	2.0	610	2	28	.11	.054	36	9	.02	673	.01	16	.62	.01	.13	5	1240	11000
R 14731	6	72	34	182	1.7	17	3	41	2.82	2480	5	2	14	111	5.6	547	2	21	.11	.054	39	5	.02	544	.01	13	.54	.01	.11	1	1470	6500
R 14732	6	93	44	150	.9	20	4	46	2.71	2707	5	ND	17	181	14.7	720	2	35	.13	.068	43	9	.02	520	.01	13	.60	.01	.09	1	980	3800
R 14733	4	44	18	75	1.1	17	3	36	1.11	793	5	ND	5	138	8.5	1423	2	19	.06	.038	16	8	.01	570	.01	12	.31	.01	.04	1	780	1800
R 14734	20	63	32	67	2.0	22	3	27	.91	257	5	ND	6	345	2.3	233	2	197	.20	.179	19	35	.02	3683	.01	9	.77	.01	.11	2	110	6600
R 14735	17	71	42	277	.2	34	4	99	3.73	250	5	ND	9	108	2.4	139	2	151	.08	.077	24	23	.02	950	.01	8	.71	.01	.10	1	10	1400
R 14736	19	105	50	709	.4	81	12	130	4.30	154	5	ND	14	168	7.2	198	2	127	.06	.123	39	41	.02	1819	.01	9	.91	.01	.09	1	17	1700
R 14737	12	48	44	1279	.1	95	15	390	4.76	88	5	ND	18	122	11.7	118	3	40	.04	.085	57	22	.02	1306	.01	9	.90	.01	.14	1	14	920
R 14738	3	29	33	446	.1	35	11	704	4.03	58	5	ND	13	206	6.6	13	2	27	2.29	.037	35	23	.63	622	.01	11	.66	.01	.14	1	11	880
R 14739	5	20	36	584	.2	34	8	235	2.62	31	5	ND	10	57	6.8	14	2	26	.06	.032	35	7	.03	548	.01	13	.66	.01	.12	1	10	820
R 14740	6	59	19	134	.2	37	8	51	4.56	535	5	ND	4	54	.4	35	3	39	.21	.029	7	11	.04	1588	.01	11	.65	.01	.16	1	35	1500
R 14741	5	40	22	124	.1	24	6	33	3.69	622	5	ND	6	60	.6	24	3	39	.20	.023	11	9	.04	2185	.01	9	.58	.01	.14	1	43	1400
R 14742	7	48	30	257	.7	48	20	248	5.42	4123	5	2	15	94	1.1	154	2	66	.18	.045	36	67	.04	1345	.01	8	.59	.01	.13	2	2140	4800
R 14743	3	100	35	346	2.2	78	36	1019	6.68	14032	5	8	20	99	5.1	714	2	56	.21	.053	61	66	.03	3439	.01	6	.91	.01	.09	2	8170	7400
R 14744	5	32	73	265	1.6	42	13	367	3.01	1359	5	ND	11	102	1.3	2663	2	29	.14	.045	41	12	.04	1359	.01	12	.66	.01	.19	1	670	3700
R 14745	1	160	10	339	17.1	52	20	441	3.07	265	5	ND	1	82	5.1	31541	5	18	.30	.012	8	5	.03	28	.01	10	.48	.01	.10	1	400	3400
R 14746	4	23	37	295	.7	41	18	455	3.95	1156	5	ND	15	82	1.5	703	2	20	.09	.072	57	8	.04	839	.01	9	.62	.01	.13	1	137	2800
R 14747	3	24	40	192	.6	28	19	702	3.65	2633	5	ND	13	50	1.6	4785	4	16	.08	.039	50	6	.03	568	.01	15	.52	.01	.11	1	380	2900
R 14748	3	26	35	179	.9	23	14	616	3.19	6777	5	2	13	79	2.9	5145	2	22	.08	.035	48	7	.02	687	.01	9	.57	.01	.13	1	2420	2800
R 14749	3	25	35	394	.6	52	22	1230	3.67	3087	5	ND	18	96	1.3	760	3	23	.05	.064	56	9	.03	844	.01	6	.64	.01	.14	1	1010	4200
R 14750	2	22	38	266	1.3	32	16	886	3.18	6066	5	4	16	88	2.5	3115	2	21	.11	.043	60	9	.03	825	.01	9	.53	.01	.12	1	3780	4900
R 14751	3	23	49	406	.5	58	17	1292	3.33	3757	5	2	18	95	1.8	206	2	31	.12	.055	57	11	.03	938	.01	9	.63	.01	.11	2	1420	7200
R 14752	4	20	36	377	.8	47	18	906	3.42	4744	5	3	16	71	1.1	579	2	28	.13	.033	47	10	.03	663	.01	10	.48	.01	.10	1	2270	4500
R 14753	5	22	41	328	.3	39	15	788	3.88	4948	5	ND	19	84	1.0	2439	2	29	.22	.067	61	9	.03	778	.01	11	.58	.01	.12	1	740	2800
R 14754	4	18	42	244	.4	32	15	1036	3.92	5181	5	2	19	100	.3	1520	2	26	.36	.096	61	9	.03	764	.01	9	.60	.01	.12	1	1860	3300
R 14755	3	26	42	209	1.2	27	13	966	3.65	5840	5	3	17	113	.9	845	2	33	.88	.049	54	12	.03	859	.01	6	.57	.01	.10	1	2920	5800
R 14756	4	33	37	257	3.9	29	12	647	3.14	8142	5	7	14	133	1.4	546	2	35	.28	.028	43	11	.02	628	.01	6	.45	.01	.08	1	7740	6300
R 14757	3	31	22	137	3.9	23	9	591	3.36	8606	5	5	13	190	1.7	192	3	29	1.02	.025	42	9	.20	414	.01	8	.43	.01	.08	1	5320	4200
R 14758	2	16	27	96	1.2	14	8	724	3.31	7219	5	4	12	358	1.0	107	2	33	2.37	.025	37	16	.72	496	.01	8	.51	.01	.09	1	4180	3200
R 14759	2	16	29	102	1.4	15	7	721	3.51	7858	5	3	12	289	.7	155	2	30	2.43	.030	41	16	.76	515	.01	7	.51	.01	.11	1	3310	2600
R 14760	3	16	30	124	.7	16	8	695	3.37	7475	5	3	12	263	.8	140	2	23	2.53	.027	42	10	.54	430	.01	7	.40	.01	.10	1	2510	2200
R 14761	3	19	30	142	1.1	18	8	727	3.63	7761	5	4	11	321	1.0	301	3	29	1.38	.033	42	11	.46	524	.01	10	.43	.01	.09	1	4190	2800
STANDARD C/AU-R	18	58	38	132	6.9	70	31	1032	3.78	40	21	7	39	53	18.6	15	20	55	.53	.094	38	60	.88	181	.07	34	1.87	.06	.14	11	490	1400

BCDOH 90-10

BCDOH+90-11

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. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: JUL 27 1990 DATE REPORT MAILED: Aug 3/90 SIGNED BY..... C. Leong ..D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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	Hg ppb
R 14762	11	56	37	374	3.0	49	23	741	5.44	3151	5	ND	8	97	1.5	828	2	29	.29	.033	33	13	.08	493	.01	9	.54	.01	.11	1	810	5400
R 14763	9	27	32	233	.8	32	18	947	4.33	3363	5	ND	9	158	.7	867	4	26	1.09	.029	37	16	.16	506	.01	11	.54	.01	.12	1	660	4900
R 14764	7	28	43	253	1.5	36	16	1017	4.15	3582	5	3	7	160	1.5	9791	2	33	1.04	.027	40	18	.11	464	.01	11	.50	.01	.10	1	2730	3000
R 14765	6	21	31	246	1.5	32	13	925	4.02	3493	5	6	11	130	.9	4758	2	34	.40	.022	38	18	.13	355	.01	6	.34	.01	.06	1	5640	2400
R 14766	9	60	40	408	5.9	41	14	590	6.02	6366	5	11	22	138	2.6	5615	2	85	.26	.040	72	36	.04	523	.01	10	.54	.01	.07	1	9250	4300
R 14767	7	73	20	343	6.9	48	9	169	3.35	636	5	ND	1	393	5.6	24417	2	189	.42	.101	29	49	.03	109	.01	11	.79	.01	.04	2	2080	8100
R 14768	14	98	16	260	4.1	69	9	176	1.08	276	5	ND	3	1207	2.7	533	2	621	.37	.596	17	106	.06	10674	.01	11	1.35	.01	.09	4	310	11000
R 14769	3	23	11	57	3.6	22	6	17	.28	61	5	ND	1	806	1.4	342	2	641	.35	.439	16	84	.06	8304	.01	9	1.12	.01	.07	3	103	12000
R 14770	15	51	25	458	2.2	71	7	108	2.02	161	9	ND	5	487	6.6	110	3	253	.36	.226	23	35	.08	2282	.01	27	.91	.01	.19	2	48	7300
R 14771	7	12	29	489	.1	45	13	828	3.59	31	5	ND	8	352	4.2	24	2	40	3.03	.079	31	11	1.00	306	.01	9	.56	.01	.10	1	10	680
R 14772	7	12	25	395	.1	38	12	727	3.69	39	5	ND	10	334	2.4	27	2	40	2.73	.097	31	13	1.04	402	.01	18	.55	.01	.13	1	16	190
R 14773	8	9	26	409	.1	38	12	708	3.60	30	5	ND	10	379	2.2	22	2	35	2.95	.101	31	12	1.01	243	.01	14	.60	.01	.12	1	4	270
R 14774	9	7	26	357	.3	33	13	855	3.69	32	5	ND	10	462	2.9	21	2	29	3.49	.105	21	10	1.15	132	.01	16	.54	.01	.14	1	5	440
R 14775	8	6	30	405	.1	37	12	678	3.84	30	5	ND	10	388	2.1	15	2	38	2.86	.103	29	13	1.09	253	.01	13	.62	.01	.13	1	4	250
R 14776	9	16	31	582	.1	50	14	680	3.78	70	5	ND	12	405	4.5	20	2	35	3.25	.113	38	13	1.16	296	.01	12	.69	.01	.14	1	5	260
R 14777	4	13	35	250	.2	21	12	766	3.60	23	5	ND	15	361	2.0	17	2	23	3.72	.107	45	9	1.51	271	.01	4	.59	.01	.12	1	2	290
R 14778	11	51	30	560	.6	72	11	559	3.59	470	5	ND	9	412	7.4	46	5	55	2.59	.136	32	19	1.00	186	.01	7	.78	.01	.11	1	124	550
R 14779	3	12	36	192	.1	21	7	643	3.00	297	5	ND	7	363	2.3	23	5	24	2.80	.079	27	6	.95	205	.01	9	.59	.01	.12	1	32	470
R 14780	3	5	42	128	.1	14	8	683	2.95	21	5	ND	9	363	.3	25	4	23	2.61	.069	25	6	.97	218	.01	12	.50	.01	.11	1	1	260
R 14781	3	7	34	99	.1	11	7	574	3.16	13	5	ND	7	520	.6	13	5	21	3.16	.064	19	6	1.08	64	.01	13	.53	.01	.10	1	2	400
R 14782	4	34	31	154	.2	33	15	752	3.68	24	5	ND	16	389	.5	25	4	44	4.44	.076	29	78	1.50	63	.01	9	.54	.01	.09	2	2	1400
R 14783	2	5	38	147	.1	11	9	587	3.16	11	5	ND	8	380	.4	13	2	25	2.96	.076	23	8	1.05	93	.01	12	.51	.01	.11	1	5	320
R 14784	2	11	36	249	.1	10	9	629	3.09	130	5	ND	9	274	.8	7	2	36	2.68	.084	30	9	1.05	250	.01	11	.53	.01	.13	1	2	1200
R 14785	4	36	35	292	.7	32	9	519	2.81	52	5	ND	6	435	1.9	9	2	46	3.24	.170	21	16	1.01	59	.01	18	.62	.01	.12	1	3	1100
R 14786	8	126	9	646	2.2	130	5	127	1.45	37	5	ND	1	377	1.9	9	3	125	2.80	.828	15	103	.34	47	.01	29	.57	.01	.13	1	1	1400
STANDARD C/AU-R	19	58	37	132	7.0	71	32	1022	3.97	39	23	7	39	52	18.6	15	21	56	.55	.091	39	57	.93	182	.07	33	1.95	.06	.14	11	480	1300

BCDDH 90-12

BCDDH 90-13

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	ppm	Sb ppm	Bi ppm	V ppm	Ca %	P %	La ppm	Cr ppm	Mg %	Ba ppm	Ti %	B ppm	Al %	Na %	K %	W ppm	ppb	Hg ppb
014787 DR	7	17	58	333	.1	32	12	618	4.60	237	5	ND	22	71	2.1	45	5	38	.16	.076	42	17	.05	697	.01	8	.55	.01	.10	1	13	2500
014788 DR	7	22	24	338	.1	36	9	599	3.43	160	5	ND	11	99	2.1	78	3	56	.46	.162	38	19	.07	819	.01	6	.77	.01	.12	1	21	680
014789 DR	17	29	28	451	.4	64	49	2067	4.26	1791	5	ND	13	112	8.8	121	3	56	.14	.079	45	19	.05	1810	.01	6	.68	.01	.11	2	76	6300
014790 DR	14	40	24	403	.2	79	16	153	3.46	292	5	ND	2	54	1.7	107	2	47	.17	.019	6	13	.12	693	.01	3	.55	.01	.15	1	310	1400
014791 DR	15	44	19	419	.1	88	19	162	4.15	318	5	ND	1	51	1.5	243	2	42	.15	.019	5	15	.19	399	.01	5	.53	.01	.13	1	63	1500
014792 DR	10	63	32	629	4.8	86	17	311	3.01	1935	5	ND	1	138	5.8	10540	2	74	1.41	.032	6	31	.58	22	.01	4	.43	.01	.11	3	1180	4400
014793 DR	34	83	33	830	1.7	150	9	210	1.95	88	5	ND	1	317	16.1	106	2	208	.77	.251	7	49	.28	56	.01	10	.87	.01	.12	2	20	3300
014794 DR	5	13	37	295	.1	28	12	742	4.00	58	5	ND	4	394	.3	160	2	35	2.82	.016	13	12	1.16	189	.01	3	.35	.01	.08	1	6	1800
014795 DR	19	64	27	1296	5.4	73	7	171	1.14	166	5	ND	1	315	7.4	2093	2	199	.61	.286	11	58	.19	103	.01	6	.65	.01	.06	3	166	5200
014796 DR	25	58	22	493	1.8	73	7	428	2.31	75	5	ND	1	254	4.8	57	4	139	1.19	.168	10	27	.51	76	.01	14	.54	.01	.09	1	37	3500
014797 DR	4	11	28	155	.1	18	11	763	3.60	25	8	ND	7	283	.2	14	2	34	2.95	.017	20	15	1.33	553	.01	3	.39	.01	.09	1	5	1500
014798 DR	3	5	27	161	.1	14	9	793	3.51	14	7	ND	7	283	.2	11	2	36	3.04	.020	26	8	1.32	420	.01	9	.54	.01	.14	1	3	860
014799 DR	4	7	29	260	.1	20	10	858	3.78	26	5	ND	10	249	.7	19	2	39	2.69	.030	27	13	1.25	687	.01	5	.57	.01	.13	1	1	680
014800 DR	3	4	27	192	.1	18	10	813	3.69	21	5	ND	12	243	.2	14	2	35	2.81	.035	31	10	1.37	754	.01	8	.56	.01	.11	1	3	350
014801 DR	4	10	29	211	.1	20	9	837	3.63	43	5	ND	9	599	1.1	21	2	23	3.68	.028	26	13	1.51	378	.01	9	.50	.01	.12	1	5	580
014802 DR	4	10	35	241	.1	28	11	831	3.71	36	5	ND	9	319	.2	14	2	34	3.01	.027	23	12	1.27	579	.01	7	.57	.01	.12	1	7	680
014803 DR	4	13	33	278	.1	28	13	792	3.65	47	5	ND	6	242	.3	12	2	39	2.76	.029	23	15	1.24	627	.01	6	.67	.01	.11	1	4	820
014804 DR	6	34	41	285	.4	34	9	716	3.37	57	5	ND	6	336	3.0	15	4	114	2.48	.102	22	21	1.15	1366	.01	10	.67	.01	.15	1	3	700
014805 DR	2	8	31	125	.3	14	10	765	3.74	11	10	ND	10	414	.2	7	2	37	3.34	.054	26	15	1.42	916	.01	8	.59	.01	.14	1	3	330
014806 DR	6	20	26	177	.1	21	8	700	3.43	197	5	ND	5	428	1.9	8	2	60	3.26	.051	25	12	1.26	575	.01	7	.58	.01	.12	1	11	620
014807 DR	6	18	115	647	1.6	49	13	1387	4.42	1048	5	ND	11	56	3.5	1187	2	34	.18	.054	37	19	.07	787	.01	6	.60	.01	.12	2	260	1700
014808 DR	8	14	49	679	.4	59	12	1440	4.48	1230	5	ND	11	45	6.6	1127	3	31	.11	.055	36	18	.04	800	.01	8	.57	.01	.13	2	470	1500
014809 DR	7	14	49	601	.9	58	13	1707	4.27	1304	5	ND	9	52	7.1	824	2	35	.11	.062	32	18	.03	853	.01	8	.60	.01	.12	1	1200	2400
014810 DR	7	26	71	625	1.3	55	11	1234	4.00	1448	5	ND	8	48	12.4	576	5	30	.10	.063	32	13	.03	714	.01	8	.53	.01	.12	2	660	2200
014811 DR	9	20	84	819	1.6	66	12	1886	4.07	1580	5	ND	8	48	17.3	652	3	41	.12	.071	33	7	.03	816	.01	8	.56	.01	.12	2	1560	2300
014812 DR	11	16	52	918	1.6	101	11	1241	3.80	1113	5	ND	9	76	18.5	737	3	73	.10	.084	34	8	.02	890	.01	6	.58	.01	.11	2	650	2100
014813 DR	10	16	107	881	1.8	84	8	515	4.30	1068	5	ND	9	50	13.1	662	2	66	.09	.073	35	7	.02	576	.01	7	.53	.01	.12	2	670	1800
014814 DR	9	22	119	862	1.5	103	19	2102	4.31	1069	5	2	11	62	12.5	3163	2	56	.17	.071	42	12	.03	1027	.01	5	.46	.01	.11	3	1040	2400
014815 DR	6	22	71	472	.8	60	8	723	3.36	564	5	ND	11	56	8.8	425	2	77	.10	.065	38	25	.03	694	.01	9	.58	.01	.12	2	67	2500
014816 DR	7	34	51	568	1.2	76	12	939	4.03	1121	5	ND	11	73	13.7	497	2	97	.10	.084	42	21	.03	1026	.01	8	.67	.01	.12	2	530	6200
014817 DR	9	47	68	911	1.3	131	17	1840	4.87	444	5	ND	15	72	16.4	246	2	301	.08	.108	46	48	.02	973	.01	3	.63	.01	.08	3	310	5500
014818 DR	6	24	53	763	1.1	89	11	412	4.04	227	5	ND	12	71	9.2	150	2	294	.10	.089	43	18	.03	583	.01	5	.54	.01	.11	1	72	2800
014819 DR	17	66	29	1024	1.9	260	13	180	4.28	184	5	ND	5	208	16.0	185	2	627	.88	.070	24	39	.05	1362	.01	9	.55	.01	.13	2	56	5600
014820 DR	10	53	26	917	1.4	110	12	237	3.64	173	5	ND	8	52	6.6	156	2	334	.13	.066	29	29	.04	321	.01	13	.54	.01	.15	2	53	2400
014821 DR	4	39	19	783	.1	86	9	266	2.87	134	5	ND	8	24	5.4	122	2	182	.06	.052	28	33	.05	233	.01	18	.57	.01	.21	2	37	1400
014822 DR	7	47	30	937	.6	123	15	936	3.67	148	5	ND	9	30	8.4	123	2	226	.08	.065	32	30	.04	362	.01	14	.47	.01	.18	2	26	1300
STANDARD C/AU-R	20	57	43	130	7.3	73	32	1053	3.97	41	19	7	39	52	18.9	15	22	57	.52	.093	38	61	.90	182	.08	36	1.89	.06	.13	11	510	1500

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	Hg ppb
014823 DR	6	48	29	1265	.2	150	16	1206	3.46	120	6	ND	10	37	8.2	91	2	184	.10	.066	34	32	.06	582	.01	23	.61	.01	.22	1	12	1600
014824 DR	7	45	27	1058	.3	136	18	651	3.07	73	7	ND	9	42	7.2	59	2	74	.13	.059	32	32	.06	392	.01	21	.60	.01	.21	1	8	1500
014825 DR	6	41	9	479	.5	76	13	489	4.69	31	5	ND	6	94	4.7	27	2	25	3.48	.041	16	29	1.94	98	.01	19	.48	.01	.19	1	3	2500
014826 DR	3	42	10	898	.2	96	12	549	3.04	45	5	ND	7	45	6.8	29	2	33	1.22	.050	23	32	.67	427	.01	19	.53	.01	.20	1	5	1400
014827 DR	8	47	16	1341	.2	145	21	2294	3.76	84	5	ND	7	47	9.7	46	2	46	.11	.069	19	30	.07	877	.01	19	.49	.01	.18	1	8	1800
014828 DR	5	42	10	987	.3	119	19	2170	4.00	52	5	ND	5	49	9.2	27	5	36	1.36	.048	9	32	.77	652	.01	17	.47	.01	.19	1	4	950
014829 DR	2	37	14	475	.4	61	9	516	3.06	22	5	ND	4	76	7.0	13	2	23	3.13	.028	8	30	1.85	1063	.01	21	.43	.01	.19	1	3	760
014830 DR	3	48	13	767	.7	95	18	1008	2.68	36	5	ND	6	42	6.7	18	2	30	1.05	.031	14	32	.62	590	.01	19	.47	.01	.18	1	7	930
014831 DR	2	38	13	339	.5	57	11	402	2.27	22	5	ND	4	82	2.6	16	2	21	3.16	.030	11	31	1.88	366	.01	17	.38	.01	.14	1	1	960
014832 DR	1	46	3	131	.1	45	13	519	2.72	32	5	ND	7	65	.9	3	2	38	1.47	.036	24	38	.70	768	.01	10	.89	.01	.24	1	6	420
014833 DR	1	41	9	86	.3	20	6	575	3.33	16	7	ND	6	197	.2	6	2	30	4.41	.083	23	35	1.72	966	.01	10	.63	.01	.15	1	5	1300
014834 DR	1	37	7	120	.3	18	5	518	3.42	18	5	ND	4	138	1.3	6	2	23	4.08	.028	11	31	1.75	474	.01	5	.52	.01	.09	1	4	460
014835 DR	1	47	3	80	.3	31	9	288	2.70	11	5	ND	5	80	.6	2	3	28	1.96	.046	14	36	1.24	324	.02	12	1.12	.02	.32	1	7	80
014836 DR	1	45	13	98	.3	37	10	581	3.02	8	6	ND	4	123	.2	5	2	45	4.24	.027	14	47	3.58	354	.02	4	2.21	.01	.30	1	3	60
014837 DR	1	30	8	77	.3	45	13	409	2.55	14	6	ND	6	76	.5	5	2	53	4.14	.023	16	57	3.06	145	.02	6	2.36	.01	.35	1	8	50
014838 DR	1	44	8	116	.4	43	11	522	3.02	8	7	ND	5	104	.6	6	2	51	5.38	.032	9	54	3.52	114	.02	7	2.51	.01	.18	1	3	90
014839 DR	1	25	8	164	.6	32	7	533	2.73	4	8	ND	4	98	1.2	6	2	53	5.58	.028	9	54	3.70	128	.03	5	2.67	.01	.22	1	5	70
014840 DR	7	61	91	151	1.0	64	12	198	3.54	84	6	ND	4	65	1.5	10	2	61	1.30	.039	7	41	1.17	86	.02	7	1.20	.01	.34	1	4	80
014841 DR	2	45	51	212	.6	19	9	362	3.59	12	5	ND	9	166	2.1	7	2	53	2.60	.098	24	35	1.27	128	.02	5	1.86	.01	.22	1	2	90
014842 DR	2	32	69	240	.7	19	9	444	3.77	10	5	ND	11	150	2.2	10	2	69	2.70	.120	32	43	1.51	192	.10	4	2.24	.02	.44	1	7	90
014843 DR	2	54	92	135	1.4	43	10	237	2.82	18	5	ND	6	94	1.5	3	2	51	2.10	.053	13	46	1.32	149	.05	5	1.39	.01	.45	1	7	80
014844 DR	1	47	147	106	1.5	42	8	215	2.14	25	6	ND	4	100	1.3	7	2	50	1.94	.059	11	48	1.12	215	.03	7	1.01	.01	.40	1	6	60
014845 DR	3	56	908	609	7.3	15	10	508	4.51	140	5	ND	11	289	6.7	12	2	45	2.55	.119	28	32	1.37	102	.02	5	.98	.01	.21	1	1	130
014846 DR	2	29	11	73	.1	10	8	398	3.63	4	5	ND	11	167	1.0	4	2	69	2.72	.119	30	39	1.41	285	.07	3	1.64	.03	.31	2	26	30
014847 DR	2	23	19	100	.2	13	9	410	3.75	4	5	ND	11	153	1.5	4	2	77	2.84	.121	30	45	1.47	284	.08	7	1.77	.04	.29	1	16	50
014848 DR	2	51	26	205	.4	31	10	513	4.06	7	8	ND	6	157	2.4	8	2	57	5.19	.055	15	51	2.82	223	.05	3	2.45	.03	.35	1	6	90
014849 DR	2	68	27	127	.4	15	9	466	4.51	24	8	ND	8	277	1.4	7	2	47	4.45	.094	22	39	1.90	119	.01	3	1.87	.01	.14	1	1	330
014850 DR	1	59	31	341	.6	26	8	640	3.58	10	5	ND	4	138	4.3	8	2	42	6.57	.022	15	49	3.59	97	.01	7	2.50	.01	.07	1	2	130
014851 DR	2	50	17	61	.4	46	10	268	2.73	39	5	ND	5	157	.2	11	2	48	3.03	.289	20	42	1.21	161	.01	5	1.31	.01	.19	1	7	520
014852 DR	2	47	34	110	.2	12	10	339	3.85	57	6	ND	12	62	.8	12	2	54	2.69	.130	36	34	1.20	128	.01	8	1.41	.01	.11	1	4	1800
014853 DR	2	54	19	110	.4	38	11	257	3.15	69	6	ND	9	84	1.1	18	2	88	2.72	.172	35	51	1.55	123	.01	5	1.77	.01	.16	1	2	2300
STANDARD C/AU-R	18	60	37	132	7.4	73	31	1054	3.97	41	18	8	36	51	18.8	15	21	55	.51	.099	36	59	.87	181	.07	37	1.89	.06	.14	11	530	1600

BC DDH 90-14

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	Hg ppb	SAMPLE lb
014854DR	9	48	23	161	.3	53	10	343	2.92	10	5	ND	6	53	3.1	2	2	97	2.69	.030	15	60	2.91	221	.12	2	2.50	.02	.26	1	6	60	15
014855DR	2	32	15	167	.2	35	7	449	2.84	8	7	ND	6	75	2.7	3	2	66	4.18	.042	15	64	3.60	194	.12	6	2.86	.02	.11	1	3	110	13
014856DR	2	48	15	77	.2	30	8	268	2.40	16	5	ND	4	56	.8	5	2	35	2.72	.047	13	35	1.83	96	.03	4	1.52	.01	.24	1	6	40	13
014857DR	4	73	3	21	.2	54	12	131	2.19	28	5	ND	4	86	.5	3	2	44	1.44	.176	14	27	.56	124	.02	13	1.03	.01	.41	1	12	20	19
014858DR	1	67	8	24	.1	25	8	129	2.27	17	5	ND	5	23	.2	6	2	15	.84	.017	16	19	.55	126	.02	5	1.03	.01	.35	2	13	30	17
014859DR	3	74	6	54	.2	33	14	332	3.92	10	5	ND	9	124	.5	2	2	47	3.16	.076	30	26	1.02	97	.01	2	1.48	.01	.16	1	9	70	18
014860DR	2	35	14	82	.1	11	10	390	3.64	8	5	ND	13	306	.6	2	2	51	3.64	.112	30	28	1.26	65	.01	6	1.67	.02	.12	1	8	100	15
014861DR	3	44	16	97	.1	20	10	352	3.77	6	5	ND	14	211	.9	3	2	67	3.49	.110	40	30	1.44	72	.01	2	1.81	.01	.13	1	9	60	15
014862DR	3	81	22	66	.8	55	12	246	3.46	8	5	ND	5	55	.6	4	2	82	2.20	.022	13	57	2.16	143	.08	3	2.16	.05	.42	1	10	30	16
014863DR	5	44	34	220	.9	52	10	240	2.35	9	9	ND	6	102	4.1	5	4	143	2.06	.090	13	63	2.50	283	.12	7	2.49	.10	.29	1	9	30	16
014864DR	3	70	30	194	1.3	42	9	274	3.05	9	5	ND	5	63	3.7	2	2	70	2.10	.065	8	57	2.32	170	.10	5	2.15	.04	.26	1	10	40	14
014865DR	5	71	41	193	1.5	49	16	378	3.12	13	5	ND	6	45	3.7	6	2	99	2.99	.033	9	53	2.84	186	.11	6	2.16	.02	.11	1	17	30	14
014866DR	2	40	36	135	.7	25	8	382	2.55	7	5	ND	6	56	1.8	2	2	44	3.40	.034	12	50	2.80	251	.11	5	2.33	.04	.21	2	23	140	10
014867DR	1	30	12	97	.3	21	7	569	2.51	5	5	ND	8	200	1.3	2	4	41	6.54	.021	12	47	3.83	239	.11	2	2.79	.06	.30	1	27	30	17
014868DR	2	52	15	98	.4	40	13	480	3.08	10	5	ND	6	86	.8	3	2	59	5.52	.021	10	60	4.01	144	.12	2	3.02	.05	.35	1	26	20	10
014869DR	2	59	7	1500	.8	32	10	453	2.96	179	5	ND	7	92	22.4	4	2	54	5.48	.021	12	51	3.58	139	.11	6	2.84	.07	.43	2	116	50	14
014870DR	4	94	18	2129	1.5	41	11	131	2.72	90	5	ND	3	55	32.4	4	5	49	2.03	.059	8	31	.84	87	.04	4	1.18	.02	.27	1	82	40	16
014871DR	3	136	40	8603	3.9	34	10	149	3.64	70	5	ND	4	51	133.2	5	5	42	1.57	.079	7	25	.85	69	.03	2	1.10	.01	.21	1	100	90	16
014872DR	2	78	29	303	.7	28	10	405	3.24	455	5	ND	6	382	5.3	4	2	44	5.31	.074	12	39	2.90	136	.09	2	2.69	.08	.22	2	127	20	14
014873DR	2	53	4	57	.1	27	9	194	2.40	3	5	ND	5	56	.6	2	2	23	1.04	.021	13	28	1.26	135	.06	5	1.62	.05	.47	1	8	30	14
014874DR	5	65	7	53	.4	34	10	104	2.55	12	5	ND	5	56	.2	7	4	31	1.39	.035	9	34	1.10	107	.06	7	1.47	.02	.36	1	11	10	15
014875DR	2	71	32	116	.4	41	12	278	2.27	10	5	ND	6	72	1.1	4	2	52	3.25	.038	11	34	2.00	127	.07	8	1.95	.04	.35	1	10	20	14
014876DR	1	55	12	69	.2	29	9	323	2.25	24	5	ND	6	81	.5	2	2	28	4.11	.031	8	32	1.98	94	.07	6	2.05	.04	.37	1	8	10	16
014877DR	1	76	13	89	.3	40	10	269	2.70	10	5	ND	4	112	1.0	2	2	30	2.76	.275	16	36	1.70	155	.07	13	1.90	.06	.44	1	12	5	15
014878DR	2	65	10	40	.3	39	12	140	2.59	7	5	ND	4	195	.2	2	2	43	1.27	.096	10	44	1.37	126	.08	4	2.13	.09	.55	1	6	5	16
014879DR	3	48	35	114	.5	41	9	350	2.51	6	5	ND	6	220	1.6	5	4	71	3.61	.025	11	57	2.68	90	.13	4	2.59	.09	.24	1	7	20	15
014880DR	3	61	10	29	.3	54	12	121	2.57	18	7	ND	5	132	.2	5	2	55	1.15	.094	9	39	1.02	103	.07	8	1.59	.08	.45	1	10	5	15
014881DR	2	49	12	56	.6	39	9	292	2.47	8	9	ND	6	118	.2	6	5	56	3.17	.039	10	54	2.22	92	.13	5	2.58	.12	.44	1	5	10	10
014882DR	4	72	11	60	.7	47	11	189	2.60	6	5	ND	5	140	.3	2	3	69	1.89	.042	8	49	1.48	109	.09	5	2.33	.15	.47	1	24	10	16
014883DR	8	63	38	85	.8	51	11	299	2.88	12	5	ND	5	244	.6	3	6	84	3.09	.114	11	52	2.24	111	.10	9	2.83	.19	.43	2	50	5	17
014884DR	4	72	11	92	.5	32	9	183	2.59	9	5	ND	3	44	1.0	2	2	35	2.04	.025	7	31	1.09	77	.05	4	1.25	.04	.26	1	17	5	14
014885DR	3	47	12	182	.2	25	12	378	3.79	2	5	ND	10	188	2.6	2	3	83	2.65	.095	31	39	1.48	129	.16	2	1.92	.02	.21	1	49	10	16
014886DR	3	23	16	225	.2	11	10	431	3.22	5	5	ND	12	318	3.5	2	2	89	2.88	.112	36	45	1.47	261	.23	2	1.95	.04	.29	3	34	10	12
014887DR	3	35	15	87	.1	12	10	379	3.79	8	5	ND	14	150	.2	2	3	61	3.24	.109	38	32	1.36	75	.04	2	1.79	.02	.16	2	46	20	17
014888DR	3	38	11	89	.1	16	10	300	3.25	31	5	ND	9	96	.2	2	2	61	2.63	.094	30	34	1.29	81	.06	2	1.66	.02	.17	1	47	10	10
014889DR	2	47	2	60	.1	26	9	139	2.06	7	5	ND	5	29	.3	4	2	25	.97	.033	14	31	1.02	134	.06	7	1.45	.02	.41	1	13	5	14
STANDARD C/AU-R	20	62	39	141	7.1	73	32	1053	3.97	43	19	7	37	50	18.4	15	20	57	.58	.096	38	60	.90	181	.08	37	1.89	.06	.13	11	500	1600	-

BC DDH 90-14

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	Au** ppb	Hg ppb	SAMPLE lb
014890DR	1	52	21	145	.9	25	9	480	2.45	6	5	ND	5	67	1.9	2	2	31	5.11	.021	10	36	2.34	68	.07	3	1.98	.03	.31	1	75	56	20	14
014891DR	1	31	20	362	.8	28	8	567	2.15	10	5	ND	8	75	5.5	2	2	37	6.84	.025	14	44	3.33	33	.12	4	2.35	.02	.06	1	9	49	50	16
014892DR	8	47	20	208	.6	47	15	520	2.94	8	5	ND	9	130	2.8	2	2	62	5.98	.043	14	50	3.19	67	.11	6	2.51	.07	.07	2	28	25	80	16
014893DR	3	38	2	1218	.3	46	10	581	2.75	3	5	ND	9	103	19.9	2	2	62	6.36	.023	14	56	3.74	64	.12	4	3.00	.06	.22	1	129	141	200	17
014894DR	2	44	4	723	.3	44	10	192	2.08	21	5	ND	7	93	12.8	2	2	65	1.95	.018	9	59	2.19	108	.11	6	2.48	.09	.27	1	39	35	120	17
014895DR	2	56	2	231	.3	25	7	293	2.42	9	5	ND	6	125	3.6	2	2	33	3.54	.017	8	39	2.09	102	.08	4	2.10	.05	.19	1	110	70	40	16
014896DR	6	114	10	1028	1.7	63	16	164	3.55	19	5	ND	5	63	12.9	2	12	40	1.68	.065	6	36	1.43	58	.07	4	1.45	.02	.15	1	100	83	30	16
014897DR	2	80	11	2387	.7	34	9	282	2.10	7	5	ND	5	62	34.4	2	2	28	1.95	.044	8	34	1.66	75	.06	2	1.43	.01	.09	1	112	94	100	16
014898DR	2	33	9	221	.2	27	6	332	2.27	12	5	ND	4	85	2.8	2	5	35	1.98	.046	7	40	1.72	113	.09	3	1.87	.05	.16	1	8	21	40	16
014899DR	2	63	9	201	.5	28	9	529	3.37	6	5	ND	5	118	2.6	2	2	39	3.80	.037	7	38	2.42	96	.08	2	1.90	.03	.09	1	13	11	30	16
014900DR	3	49	10	261	.5	34	9	596	2.80	6	5	ND	6	139	3.3	2	2	51	4.60	.038	10	37	2.67	89	.08	2	2.00	.04	.10	1	6	10	40	16
014901DR	1	32	6	77	.3	26	7	585	1.91	6	5	ND	7	169	.8	2	2	41	4.24	.024	11	43	2.77	216	.12	8	2.24	.09	.09	1	2	3	10	16
014902DR	1	33	7	188	.3	31	7	537	1.85	2	5	ND	7	135	2.1	5	2	36	3.71	.032	10	43	2.45	144	.09	3	1.87	.04	.11	1	10	7	20	17
014903DR	4	50	18	150	.4	50	10	361	2.27	2	5	ND	7	83	1.9	2	2	53	2.70	.036	11	38	1.85	82	.08	3	1.51	.01	.13	1	7	6	20	12
014904DR	2	39	16	91	.4	28	7	426	1.83	5	5	ND	7	87	1.1	3	4	47	2.63	.020	10	41	2.22	158	.12	6	1.98	.08	.12	1	3	3	30	10
014905DR	20	159	9	27	3.9	54	1	14	.69	25	5	ND	1	131	3.6	10	2	1172	1.60	.766	14	162	.06	233	.01	23	.61	.01	.14	1	16	14	26000	11
014906DR	12	92	10	57	5.7	52	1	12	1.05	30	5	ND	2	314	2.1	8	2	411	4.01	2.057	28	217	.05	559	.01	30	.84	.01	.19	1	1	5	14000	9
014907DR	13	70	12	41	6.4	55	1	7	.97	31	5	ND	2	139	1.0	5	2	422	.67	.521	22	160	.03	356	.01	12	.56	.01	.09	2	1	5	17000	13
014908DR	12	71	12	16	6.4	32	1	4	.99	35	5	ND	2	129	.6	4	2	300	1.22	.808	23	190	.03	343	.01	15	.58	.01	.10	1	5	6	15000	12
014909DR	23	163	13	17	5.1	58	1	11	.88	45	8	ND	3	182	2.9	11	4	1486	1.93	1.036	22	212	.07	512	.01	31	.77	.01	.17	1	8	7	18000	11
014910DR	26	108	7	45	3.7	47	1	15	.58	41	6	ND	1	98	2.5	14	2	2060	1.23	.606	19	159	.08	388	.01	28	.65	.01	.16	1	4	3	11000	9
014911DR	26	299	9	35	4.3	53	1	12	.73	39	7	ND	1	117	2.7	14	3	1457	1.42	.719	19	170	.05	773	.01	22	.58	.01	.14	1	2	5	6700	10
014912DR	27	166	12	25	2.3	50	1	21	.78	45	5	ND	1	51	1.2	17	2	2065	.26	.217	18	112	.06	285	.01	24	.48	.01	.14	1	2	5	11000	11
014913DR	11	132	5	42	5.1	64	1	58	.69	37	8	ND	3	162	7.3	4	2	597	2.50	1.139	18	176	.08	371	.01	22	.62	.01	.11	1	1	10	11000	14
014914DR	8	119	5	62	4.1	66	1	22	.58	29	5	ND	1	172	5.3	3	2	325	2.77	1.220	13	124	.03	381	.01	18	.46	.01	.09	1	1	3	10000	7
014915DR	16	169	8	95	4.5	77	1	10	.82	42	5	ND	3	183	6.6	5	2	821	1.73	.805	18	109	.08	892	.01	37	.93	.01	.25	1	2	5	15000	9
014916DR	13	54	8	43	2.1	40	1	18	.75	19	5	ND	2	141	2.3	3	2	465	.62	.285	13	44	.05	393	.01	24	.58	.01	.20	1	2	8	8900	12
014917DR	22	112	10	98	1.9	35	1	16	.97	43	5	ND	2	259	3.8	12	2	449	.65	.344	11	42	.04	782	.01	20	.60	.01	.16	1	1	7	8600	12
014918DR	19	97	10	30	1.7	21	1	23	.72	27	5	ND	2	159	1.9	7	2	332	.14	.099	8	24	.02	368	.01	11	.38	.01	.11	1	9	12	10000	13
014919DR	29	43	26	54	1.4	18	2	8	1.62	41	5	ND	4	83	.4	14	2	245	.03	.061	15	19	.02	393	.01	17	.44	.01	.17	2	7	14	11000	12
014920DR	11	14	8	70	.2	15	2	12	1.33	36	5	ND	2	52	.2	5	2	51	.01	.021	10	8	.01	1204	.01	10	.22	.01	.08	1	98	107	4300	19
014921DR	7	14	6	231	.2	32	5	264	1.34	21	5	ND	2	128	1.5	4	2	27	.02	.012	12	7	.02	448	.01	11	.26	.01	.11	1	43	53	4800	17
014922DR	9	39	14	245	.3	45	9	413	2.23	47	5	ND	3	42	2.3	8	4	34	.01	.019	14	12	.01	845	.01	8	.30	.01	.09	1	49	63	4600	16
STANDARD C/AU-R	20	57	43	131	7.1	72	32	1052	3.96	43	20	7	38	52	18.4	15	21	57	.52	.096	38	59	.89	183	.08	36	1.89	.06	.14	11	540	490	1300	-

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Au* - Ignite 8 hrs due to graphite (014905DR to 014919DR)

Au** - By Fire assay.

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	Hg ppb	SAMPLE lb
DR 014923	3	7	7	60	.1	11	2	128	.49	15	5	ND	1	118	.5	4	2	18	.06	.010	2	3	.02	1316	.01	3	.06	.01	.02	1	13	1200	15
DR 014924	4	39	15	136	.3	29	6	489	2.03	34	5	ND	1	100	1.7	4	2	21	.88	.019	5	8	.44	27	.01	9	.28	.01	.11	1	46	2900	14
DR 014925	3	32	16	105	.1	24	7	496	1.97	31	5	ND	5	145	.6	2	3	11	1.86	.014	17	7	.90	66	.01	11	.41	.01	.18	2	14	1050	16
DR 014926	1	27	4	114	.2	14	6	973	2.13	968	5	ND	4	245	.3	5	2	5	3.55	.009	11	4	1.79	164	.01	9	.35	.01	.15	1	318	1300	17
DR 014927	1	27	7	227	.1	22	8	790	2.90	707	5	ND	4	162	.2	2	8	4	2.91	.009	11	5	1.55	38	.01	7	.35	.01	.16	1	85	760	13
DR 014928	1	38	6	258	.1	26	9	725	2.46	129	5	ND	4	122	.2	2	4	6	2.71	.012	12	5	1.48	152	.01	8	.35	.01	.16	1	15	560	12
DR 014929	1	26	3	131	.1	18	6	838	2.39	145	5	ND	3	133	.2	2	3	4	3.68	.015	9	6	1.85	285	.01	7	.33	.01	.16	1	18	300	15
DR 014930	1	28	8	288	.1	21	7	707	2.76	209	5	ND	3	153	.2	2	6	6	3.89	.036	13	5	1.91	258	.01	9	.35	.01	.17	1	27	390	14
DR 014931	2	38	14	325	.4	25	6	240	1.62	41	5	ND	3	93	.5	2	2	12	.49	.093	9	9	.15	247	.01	13	.36	.01	.15	2	22	870	12
DR 014932	3	37	8	186	.3	30	7	241	1.87	33	5	ND	2	161	.6	5	5	11	.84	.051	8	8	.36	166	.01	9	.33	.01	.12	2	27	1100	14
DR 014933	2	35	8	53	.3	19	4	49	1.49	22	5	ND	3	111	.5	2	2	11	.27	.092	9	8	.07	89	.01	10	.38	.01	.16	1	17	950	11
DR 014934	2	44	8	287	.2	25	9	137	2.53	200	5	ND	3	77	.2	2	2	7	.69	.033	12	6	.36	222	.01	10	.41	.01	.20	1	22	700	13
DR 014935	1	37	3	95	.1	16	6	360	2.15	402	5	ND	3	336	.4	2	2	5	4.47	.014	7	5	2.36	191	.01	11	.30	.01	.14	2	80	750	15
DR 014936	1	34	3	122	.2	17	6	387	1.92	138	5	ND	4	212	.6	2	2	9	4.63	.040	6	6	2.55	152	.01	13	.41	.01	.18	1	27	440	13
DR 014937	1	60	10	137	.1	23	7	144	1.43	237	5	ND	3	72	.3	2	2	8	.59	.044	4	6	.33	147	.01	14	.42	.01	.17	1	53	480	16
DR 014938	2	60	6	106	.1	28	8	218	2.33	1624	5	ND	3	35	.2	3	2	6	.25	.038	4	7	.25	103	.01	11	.37	.01	.16	1	111	1900	15
DR 014939	1	68	10	148	.3	26	9	144	1.99	2167	5	ND	2	28	.7	6	2	11	.17	.024	3	6	.18	89	.01	11	.36	.01	.15	1	260	2200	17
DR 014940	1	51	9	126	.2	21	9	340	2.66	14	5	ND	3	85	.2	2	2	8	2.00	.094	5	8	1.12	181	.01	11	.42	.01	.17	1	10	240	16
DR 014941	1	50	6	132	.3	25	8	228	2.00	74	5	ND	3	70	.2	2	3	7	1.63	.042	4	6	.87	134	.01	9	.38	.01	.16	1	28	410	15
DR 014942	1	27	2	124	.2	20	7	378	1.84	14	5	ND	3	120	.2	2	2	9	4.94	.019	5	6	2.89	169	.01	9	.35	.01	.16	1	11	280	16
DR 014943	1	55	8	128	.1	22	6	136	1.49	38	5	ND	3	33	.2	2	2	7	.33	.026	3	7	.33	132	.01	6	.34	.01	.15	1	12	210	14
DR 014944	1	40	6	114	.1	21	8	362	2.64	34	5	ND	3	84	.4	2	2	6	3.16	.022	4	5	1.79	138	.01	8	.32	.01	.15	1	5	230	16
DR 014945	1	29	6	77	.2	17	6	378	2.29	1925	5	ND	2	138	.2	2	2	6	3.68	.016	4	5	1.97	155	.01	7	.31	.01	.14	1	1560	380	9
DR 014946	1	51	11	69	.3	26	7	216	2.69	6380	5	ND	2	89	.2	13	2	6	.98	.014	3	7	.45	62	.01	8	.36	.01	.16	1	600	5200	12
DR 014947	1	56	7	92	.3	29	9	293	2.98	1967	5	ND	3	200	.2	4	4	10	1.91	.076	5	8	1.05	57	.01	10	.45	.01	.19	1	360	1200	10
DR 014948	1	50	8	88	.2	20	8	318	1.98	9	5	ND	3	129	.2	2	2	6	2.93	.017	4	5	1.67	162	.01	9	.36	.01	.18	1	26	200	13
DR 014949	1	41	7	147	.3	26	11	500	2.34	34	5	ND	3	240	.7	2	2	11	5.16	.016	5	6	3.01	154	.01	10	.33	.01	.16	2	26	350	14
DR 014950	4	61	11	109	.3	34	9	312	1.91	364	5	ND	3	170	.3	2	2	11	2.48	.049	5	6	1.30	126	.01	6	.40	.01	.18	1	73	720	15
DR 014951	3	26	7	98	.1	27	8	474	1.99	14	5	ND	3	409	.2	2	2	8	6.74	.015	4	5	3.80	147	.01	7	.30	.01	.15	1	1	630	13
DR 014952	1	25	8	79	.1	31	9	344	1.99	14	5	ND	4	145	.5	2	2	7	6.12	.018	5	5	3.66	157	.01	14	.49	.01	.20	1	5	400	13
DR 014953	4	31	8	96	.1	39	9	345	2.02	11	5	ND	4	171	.3	2	2	8	6.11	.019	5	5	3.60	127	.01	7	.38	.01	.17	1	3	380	12
DR 014954	4	23	12	66	.1	31	9	352	2.03	13	5	ND	4	149	.2	2	2	7	6.45	.020	5	6	3.82	136	.01	10	.39	.01	.17	2	2	340	14
DR 014955	4	21	10	69	.1	31	8	367	1.99	11	5	ND	4	263	.2	2	2	6	6.05	.022	5	5	3.48	157	.01	9	.37	.01	.16	1	5	310	13
DR 014956	1	37	7	50	.1	17	9	501	2.32	4	5	ND	4	186	.4	2	2	6	5.63	.023	5	4	3.00	187	.01	10	.35	.01	.15	1	12	210	14
DR 014957	14	42	22	137	.1	45	14	487	8.69	33	5	ND	3	202	2.5	2	2	12	4.36	.043	4	7	2.27	23	.01	5	.36	.01	.16	1	2	650	13
DR 014958	6	23	11	111	.1	32	8	428	2.27	11	5	ND	4	223	.4	2	2	8	6.31	.014	5	6	3.65	174	.01	9	.36	.01	.17	1	4	250	14
STANDARD C/AU-R	18	58	38	131	6.7	69	31	1049	3.95	41	21	7	38	53	18.8	19	19	55	.51	.095	37	56	.90	180	.07	34	1.90	.06	.14	11	540	1600	-

BCDOH 90-15

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	Hg ppb	SAMPLE lb
DR 014959	6	23	10	60	.1	32	9	348	1.91	7	5	ND	3	208	.3	2	2	9	5.64	.016	5	6	3.39	190	.01	10	.38	.01	.18	1	2	170	15
DR 014960	2	28	11	121	.2	36	10	405	2.04	10	5	ND	4	158	.3	3	2	8	4.85	.013	5	8	2.97	162	.01	11	.47	.01	.20	1	2	200	16
DR 014961	1	32	4	84	.4	29	9	391	1.66	5	5	ND	3	195	.6	2	2	8	4.59	.013	4	5	2.78	185	.01	12	.49	.01	.19	1	3	210	14
DR 014962	1	24	8	71	.3	26	8	903	2.76	5	5	ND	4	211	.2	2	5	8	6.63	.013	5	8	3.34	158	.01	11	.44	.01	.18	1	5	170	11
DR 014963	1	37	8	60	.3	26	9	431	1.71	7	5	ND	3	106	.2	3	2	7	4.28	.012	5	5	2.32	133	.01	12	.46	.01	.20	1	7	280	13
DR 014964	1	35	5	51	.2	16	7	757	2.43	4	5	ND	4	348	.2	2	2	8	5.69	.015	6	10	3.05	237	.01	13	.39	.01	.18	1	4	130	12
DR 014965	1	22	4	39	.1	14	4	603	1.69	2	5	ND	2	235	.2	2	4	5	4.92	.010	5	5	2.63	203	.01	12	.34	.01	.16	1	2	60	12
DR 014966	1	43	4	67	.2	22	8	455	1.72	5	5	ND	3	127	.2	3	5	7	3.76	.010	4	6	2.05	165	.01	11	.39	.01	.18	1	5	140	11
DR 014967	1	41	4	76	.3	23	8	432	2.15	22	5	ND	2	71	.2	2	4	8	2.97	.012	3	5	1.71	117	.01	12	.39	.01	.17	1	5	150	13
DR 014968	1	42	3	32	.2	26	9	609	2.72	3	5	ND	3	111	.2	3	5	7	4.25	.008	4	10	2.28	93	.01	12	.36	.01	.16	1	5	80	12
DR 014969	1	59	2	49	.1	29	7	409	1.23	3	5	ND	2	92	.2	2	2	6	2.85	.010	3	5	1.36	180	.01	9	.35	.01	.16	1	4	70	12
DR 014970	1	33	5	50	.1	24	7	449	1.86	2	5	ND	2	98	.2	2	3	5	3.13	.011	4	5	1.64	162	.01	13	.42	.01	.16	1	5	60	13
DR 014971	1	57	7	85	.1	25	9	418	2.10	10	5	ND	2	81	.2	2	2	6	2.37	.010	3	6	1.29	107	.01	9	.35	.01	.15	1	18	160	10
DR 014972	1	71	4	94	.2	32	10	302	1.86	6	5	ND	2	70	.2	2	2	8	2.18	.018	3	11	1.20	168	.01	10	.41	.01	.18	1	9	310	7
DR 014973	1	36	4	62	.1	20	6	479	2.16	4	5	ND	2	87	.2	2	2	6	3.18	.013	4	6	1.72	198	.01	12	.38	.01	.17	1	5	130	9
DR 014974	1	38	5	61	.1	18	7	555	2.37	13	5	ND	2	110	.2	2	2	6	2.54	.044	4	5	1.27	86	.01	12	.42	.01	.19	1	6	120	10
DR 014975	1	38	3	77	.1	19	9	478	1.70	5	5	ND	2	64	.2	2	2	5	2.07	.016	5	4	1.03	145	.01	8	.36	.01	.18	1	2	80	12
DR 014976	3	48	5	57	.3	20	7	479	2.16	157	5	ND	3	102	.2	2	2	8	2.48	.022	4	23	1.04	139	.01	11	.38	.01	.17	1	6	260	13
DR 014977	8	32	13	50	.4	27	8	1431	3.18	19	5	ND	3	182	.2	3	8	16	5.26	.045	4	9	2.56	57	.01	10	.30	.01	.14	1	2	860	13
DR 014978	4	25	8	30	.2	24	8	821	1.96	6	5	ND	1	107	.2	2	2	8	2.31	.018	2	9	.99	116	.01	6	.17	.01	.08	1	6	240	12
DR 014979	3	39	15	74	.3	26	9	413	2.07	12	5	ND	3	145	.2	3	2	15	1.95	.091	7	8	.69	132	.01	9	.24	.01	.10	1	4	420	11
DR 014980	23	34	21	17	1.1	12	3	59	.90	53	5	ND	3	136	.2	11	2	219	.03	.116	11	60	.02	2476	.02	9	.62	.01	.08	1	28	680	9
DR 014981	26	27	17	13	.9	11	3	37	.86	52	8	ND	3	297	.5	6	2	378	.22	.353	8	60	.02	3681	.01	10	.71	.01	.08	1	8	960	17
DR 014982	24	23	19	16	.7	15	3	51	1.03	76	9	ND	2	342	.5	10	3	341	.10	.339	7	49	.01	3456	.03	10	.71	.01	.04	1	12	1500	14
DR 014983	24	23	25	15	1.0	4	2	31	.77	62	5	ND	4	172	.2	11	2	174	.09	.169	19	26	.03	2038	.01	14	.66	.01	.14	1	18	2200	15
DR 014984	20	28	20	18	1.0	10	2	13	1.05	114	10	ND	3	303	.2	13	3	272	.21	.300	10	67	.01	2618	.03	9	.62	.01	.06	1	10	2600	12
DR 014985	14	19	23	4	1.2	3	1	5	.51	66	9	ND	5	41	.2	8	2	86	.02	.051	19	13	.02	1192	.01	9	.51	.01	.16	1	15	2400	13
DR 014986	22	21	31	10	1.1	5	1	10	1.00	200	10	ND	6	95	.2	13	3	128	.03	.117	20	18	.03	1046	.01	9	.59	.01	.15	1	11	2300	14
DR 014987	14	14	17	7	.5	9	1	8	.70	143	6	ND	5	79	.2	6	2	112	.03	.105	17	27	.02	708	.01	6	.49	.01	.11	1	6	2800	5
DR 014988	19	21	22	6	.8	5	1	8	.75	64	5	ND	5	65	.2	9	2	95	.02	.051	19	14	.02	1009	.01	6	.60	.01	.15	1	4	5400	9
DR 014989	22	10	14	2	.7	2	1	5	.85	102	5	ND	5	55	.2	11	2	118	.01	.053	18	14	.02	1089	.01	9	.49	.01	.14	1	12	4600	13
DR 014990	20	12	10	3	1.1	4	2	22	.94	139	5	ND	3	183	.2	13	4	307	.02	.138	11	31	.02	2520	.02	8	.57	.01	.09	3	33	6500	14
DR 014991	20	12	7	5	1.3	4	2	53	.88	160	5	ND	2	296	.2	7	2	355	.02	.254	7	36	.01	3895	.03	8	.56	.01	.05	5	59	6600	15
DR 014992	25	16	16	3	2.9	5	2	22	.89	179	5	ND	3	141	.2	8	3	289	.02	.132	10	55	.01	2159	.04	7	.43	.01	.04	3	97	6700	16
DR 014993	18	13	10	6	1.0	8	3	31	1.07	236	7	ND	3	234	.2	9	2	198	.13	.282	10	34	.02	2693	.01	10	.62	.01	.11	3	67	5700	17
DR 014994	25	15	11	11	1.0	8	3	26	.98	159	10	ND	3	298	.3	12	4	270	.09	.371	8	37	.02	4258	.02	8	.72	.01	.06	5	133	7800	17
STANDARD C/AU-R	18	57	41	131	6.9	68	31	1050	3.95	38	16	7	37	52	18.4	14	19	55	.51	.091	37	56	.91	181	.07	35	1.92	.06	.14	14	490	1500	-

BC DD# 90-16

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	Hg ppb	SAMPLE lb
DR 014995	48	11	26	1	2.7	4	1	12	.64	231	5	ND	2	149	.2	12	2	264	.01	.129	12	23	.01	1709	.02	6	.47	.01	.06	2	400	3600	15
DR 014996	57	15	12	10	.9	8	2	10	.77	538	5	ND	2	270	.7	9	5	593	1.42	.071	13	72	.02	3223	.02	11	.82	.01	.10	2	1070	3200	14
DR 014997	14	16	22	7	.6	14	4	9	.55	325	5	ND	2	389	.3	8	10	676	1.19	.076	16	99	.02	5069	.02	10	.93	.01	.10	2	550	8100	16
DR 014998	23	193	22	38	.5	36	5	31	.67	601	5	ND	2	541	.9	12	6	401	1.47	.075	17	114	.02	6506	.01	8	.96	.01	.08	2	1130	9200	16
DR 014999	32	39	52	12	2.3	6	6	14	1.21	1612	5	2	2	621	.8	21	13	312	.47	.090	19	122	.01	6810	.01	11	1.01	.01	.07	2	5370	18000	17
DR 015000	28	25	38	17	2.3	12	4	9	.97	935	5	ND	1	466	.2	20	10	363	.69	.077	15	110	.01	4611	.01	9	.85	.01	.07	2	3320	14000	15
DR 015001	22	25	16	27	.3	20	3	5	.56	709	5	ND	2	584	.3	12	5	624	1.15	.023	18	114	.03	5895	.01	14	1.05	.01	.12	2	84	7600	16
DR 015002	19	126	30	59	.6	76	1	8	1.18	920	5	ND	9	160	.2	19	3	137	.10	.224	11	40	.01	1611	.01	4	1.30	.01	.03	1	1130	24000	18
DR 015003	9	459	27	557	.1	69	4	58	4.53	527	5	ND	10	130	1.0	11	2	128	.06	.112	13	38	.01	1787	.01	3	.79	.01	.03	1	52	10000	19
STANDARD C	19	62	39	134	7.2	73	32	1054	3.99	41	21	7	37	53	19.0	15	20	57	.51	.096	39	61	.90	181	.08	39	1.89	.06	.13	13	-	1400	-

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	Hg ppb
015040 DR	10	242	9	1782	1.3	171	7	516	1.14	37	5	ND	1	219	101.6	13	6	65	3.22	.251	9	61	1.63	192	.01	11	.56	.01	.06	2	1	1300
015041 DR	8	242	5	2025	1.3	228	5	350	.93	30	5	ND	2	477	200.8	12	2	134	7.03	1.627	20	141	2.19	80	.01	21	1.08	.02	.13	11	1	4600
015042 DR	7	214	17	829	2.6	200	4	403	1.35	124	5	ND	1	404	13.6	14	4	93	3.58	.709	12	135	1.20	32	.01	10	.64	.01	.08	3	23	8600
015043 DR	2	22	8	108	1.0	36	6	1466	1.58	111	5	ND	1	211	7.9	11	3	41	4.31	.021	3	15	2.38	93	.01	7	.16	.01	.03	1	23	2600
015044 DR	49	160	20	1593	2.3	147	5	253	1.85	108	7	ND	6	186	18.0	20	3	564	1.62	.458	19	64	.31	24	.01	25	.94	.01	.20	2	23	15000
015045 DR	13	160	4	1136	2.9	172	2	422	.76	100	6	ND	1	570	10.6	12	3	411	5.27	2.081	17	219	.49	62	.01	26	.72	.01	.10	5	5	11000
015046 DR	25	150	18	1334	2.8	146	4	469	.99	87	5	ND	1	284	17.6	15	2	627	3.04	.981	11	138	.46	35	.01	21	.77	.01	.13	6	32	13000
015047 DR	51	89	16	1328	1.7	137	5	115	1.23	76	5	ND	1	114	14.4	14	2	378	.61	.202	8	38	.10	18	.01	17	.48	.01	.12	2	7	10000
015048 DR	41	78	19	1042	1.1	114	5	162	1.42	67	5	ND	1	71	12.7	17	3	281	.39	.025	3	25	.18	18	.01	11	.26	.01	.07	1	16	14000
015049 DR	30	61	17	1091	1.0	89	4	213	1.02	49	5	ND	1	124	13.9	11	2	302	.77	.133	5	23	.25	21	.01	15	.33	.01	.08	1	8	10000
015050 DR	36	152	28	2776	2.2	114	7	761	1.71	94	9	ND	2	254	35.0	18	3	957	2.92	.401	13	63	1.14	19	.01	21	.68	.01	.19	3	23	22000
015051 DR	49	134	18	2243	2.4	112	5	148	1.28	64	8	ND	1	107	28.8	13	2	802	1.10	.323	12	56	.19	43	.01	20	.54	.01	.16	2	2	19000
015052 DR	9	195	13	765	3.1	151	3	202	1.27	72	5	ND	1	328	2.3	8	4	135	4.66	1.329	25	157	1.11	37	.01	25	.70	.01	.18	1	1	11000
015053 DR	11	154	10	598	2.3	126	2	237	1.08	93	5	ND	1	291	2.1	12	4	126	5.70	1.306	23	142	1.77	69	.01	25	.57	.01	.17	1	3	9600
015054 DR	33	76	17	797	.9	77	6	437	2.37	127	5	ND	2	162	7.4	16	3	122	4.71	.046	6	12	2.86	40	.01	14	.33	.01	.12	1	29	9200
015055 DR	3	50	19	188	.7	56	9	591	2.33	38	5	ND	3	190	.6	7	4	18	4.10	.026	7	9	2.31	49	.01	11	.39	.01	.15	1	10	2300
STANDARD C	19	60	37	132	7.1	73	32	1051	3.98	44	17	6	39	53	18.6	15	22	55	.52	.095	38	57	.89	180	.07	35	1.88	.06	.14	11	-	1600

AUG 21 '90 15:53

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	Hg ppb
015004 DR	2	108	19	1232	.3	172	24	2187	5.68	687	5	ND	15	58	18.6	8	2	87	.08	.097	35	30	.02	585	.01	2	.70	.01	.04	1	19	4800
015005 DR	2	148	26	1619	.3	203	33	4230	4.83	471	5	ND	16	60	26.6	13	2	68	.07	.057	26	24	.01	756	.01	2	.74	.01	.04	1	2	17000
015006 DR	3	73	35	439	.9	49	2	67	3.31	2451	5	ND	13	77	9.8	16	2	72	.02	.054	19	23	.01	740	.01	2	.61	.01	.07	136	890	27000
015007 DR	14	73	22	139	1.5	32	4	17	1.30	977	5	ND	2	501	5.7	14	6	269	3.09	1.529	20	132	.01	5212	.01	15	.95	.01	.11	11	600	9400
015009 DR	12	110	24	41	3.7	18	2	43	.82	260	5	ND	1	141	1.5	5	5	150	.19	.266	6	81	.01	1958	.01	8	.38	.01	.03	4	63	3200
015010 DR	27	91	33	49	4.1	12	3	28	.65	229	6	ND	1	316	6.7	13	5	362	2.32	1.155	14	175	.01	3295	.01	12	.74	.01	.07	4	2	6700
015011 DR	18	121	13	30	4.2	13	3	3	.49	182	5	ND	1	320	9.0	9	2	361	3.64	1.576	13	169	.02	2372	.01	14	.70	.01	.08	4	5	5600
015012 DR	18	130	17	49	4.6	22	4	8	.66	259	8	ND	1	477	14.3	12	3	466	3.20	1.553	15	203	.02	4730	.01	16	.91	.01	.04	4	3	6200
015013 DR	17	107	15	48	2.8	25	3	19	.52	261	5	ND	1	270	11.6	10	3	499	1.24	.626	11	172	.03	2903	.01	5	.59	.01	.05	3	3	6800
015014 DR	17	109	28	56	3.2	13	3	12	.66	316	5	ND	2	254	14.5	15	2	683	.88	.591	14	199	.03	3164	.01	10	.69	.01	.09	4	4	9000
015015 DR	13	85	18	36	4.4	18	2	6	.58	177	5	ND	2	127	3.9	9	3	572	.42	.292	13	150	.03	1420	.01	7	.52	.01	.09	1	2	4800
015016 DR	14	75	13	55	3.2	28	2	16	.63	264	5	ND	1	239	5.2	14	3	660	.66	.417	12	134	.03	2297	.01	8	.54	.01	.07	4	42	9300
015017 DR	17	111	21	77	3.2	35	2	28	.82	342	5	ND	2	168	6.9	17	5	1444	.58	.359	18	170	.07	1297	.01	11	.71	.01	.15	3	220	21000
015018 DR	23	125	13	123	3.3	37	2	23	.79	275	7	ND	2	148	8.7	17	2	2018	.84	.414	19	132	.10	1370	.01	21	.84	.01	.19	5	68	28000
015019 DR	8	135	17	90	2.8	33	2	18	.78	220	5	ND	2	182	7.5	10	5	910	2.31	.958	17	159	.06	703	.01	11	.84	.01	.14	2	19	9600
015020 DR	6	104	23	44	2.5	29	2	14	.51	87	5	ND	2	110	3.6	7	2	1951	1.35	.528	30	118	.10	693	.01	19	.82	.01	.20	3	1	7200
015021 DR	12	220	16	119	2.6	45	2	16	.86	139	5	ND	1	445	7.1	18	3	699	8.68	4.475	26	167	.10	1627	.01	12	1.16	.01	.27	1	1	1100
015022 DR	9	165	12	73	2.7	25	2	24	1.06	126	5	ND	2	176	4.9	10	2	331	2.01	.875	21	139	.04	720	.01	12	.74	.01	.14	1	1	540
015023 DR	6	335	36	84	3.5	34	1	16	.90	78	5	ND	3	75	3.4	8	2	1426	.51	.266	22	196	.09	693	.01	9	.73	.01	.16	1	2	560
015024 DR	4	355	21	255	3.7	54	1	31	.96	120	8	ND	3	105	10.0	27	5	3014	.71	.341	25	239	.15	682	.03	21	.91	.01	.21	2	1	2800
015025 DR	14	259	10	272	1.8	53	2	23	.66	81	5	ND	1	143	8.1	22	2	1472	1.12	.478	13	101	.08	555	.02	11	.62	.01	.11	1	3	4600
015026 DR	5	233	7	256	3.0	89	2	28	.94	106	5	ND	1	373	8.6	16	2	568	5.89	2.597	25	199	.06	140	.01	13	1.02	.01	.14	2	4	9500
015027 DR	3	181	29	259	4.3	119	3	21	1.22	110	5	ND	2	191	5.0	7	6	292	2.56	1.071	19	186	.05	111	.01	12	.77	.01	.11	1	11	15000
015028 DR	6	165	36	323	4.5	97	2	31	1.11	161	5	ND	2	206	7.7	12	4	346	2.56	1.117	16	179	.05	194	.01	8	.76	.01	.11	1	15	9300
015029 DR	9	293	68	405	4.5	116	3	38	1.26	131	5	ND	1	232	7.1	14	2	356	2.66	1.070	18	195	.06	239	.01	9	.78	.01	.14	1	1	5800
015030 DR	4	347	27	270	5.0	176	5	46	2.15	69	5	ND	3	111	4.2	5	2	220	.89	.381	24	194	.06	26	.01	8	.60	.01	.14	1	1	6200
015031 DR	6	313	15	359	3.9	137	3	45	1.31	45	5	ND	2	158	6.0	8	2	321	1.67	.627	19	212	.09	59	.01	14	.60	.01	.13	1	1	3800
015032 DR	7	631	10	466	4.4	183	4	31	1.46	78	5	ND	2	280	7.1	12	2	336	2.59	1.031	24	214	.08	50	.01	14	.89	.01	.16	1	1	1800
015033 DR	10	982	13	759	3.7	176	4	38	1.65	99	5	ND	2	215	9.6	18	3	172	1.45	.526	16	111	.12	73	.01	12	.78	.01	.11	1	2	1900
015034 DR	14	836	13	2055	3.4	330	7	212	2.67	148	5	ND	3	197	46.4	33	2	127	1.32	.161	16	102	.68	78	.01	11	1.05	.01	.13	1	3	2300
015035 DR	9	615	19	1461	3.5	204	7	185	2.02	81	5	ND	3	159	59.1	20	2	89	2.42	.297	13	119	1.02	76	.01	22	.77	.01	.15	1	1	3000
015037 DR	5	90	18	397	3.3	67	8	169	1.85	23	6	ND	2	179	20.3	7	3	44	3.38	.129	10	50	1.87	57	.01	15	.35	.01	.10	1	3	1300
015038 DR	5	139	7	465	3.1	69	8	247	1.54	28	6	ND	1	237	23.2	11	3	39	4.58	.138	7	34	2.70	61	.01	15	.30	.01	.07	1	1	1600
015039 DR	3	168	3	603	2.5	80	6	301	1.40	37	6	ND	1	169	39.7	12	3	40	4.06	.043	7	35	2.48	91	.01	12	.34	.01	.07	1	1	1500
STANDARD C/AU-R	20	63	36	131	7.5	72	31	1054	3.98	43	18	7	36	53	18.9	15	20	56	.51	.094	38	60	.87	180	.07	35	1.89	.06	.13	11	520	1300

BC00490-16

AUG 31 '90 15:53 437 P05

Noranda Exploration Co. Ltd.

ECT 9009-016 FILE # 90-4058

BCDDH 90-17

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	Hg ppb
015056 DR	16	37	66	52	.1	10	1	35	2.69	369	5	ND	14	74	.6	11	2	135	.02	.121	26	18	.01	882	.01	3	.84	.01	.01	2	22	2400
015057 DR	11	32	77	38	.1	6	1	11	1.75	780	5	3	15	58	.6	16	2	100	.01	.088	27	16	.01	848	.01	6	.64	.01	.03	2	1990	7700
015058 DR	18	35	46	53	1.2	7	1	17	1.01	177	5	ND	7	32	.9	9	2	160	.04	.056	24	26	.03	606	.01	7	.76	.01	.10	1	17	9600
015059 DR	10	27	17	19	.4	9	1	32	.49	88	5	ND	1	113	.9	3	2	527	.95	.554	14	47	.05	1188	.04	5	.63	.01	.10	1	1	680
015060 DR	10	21	19	8	.6	7	1	12	.33	67	5	ND	2	53	.5	3	2	529	.19	.189	10	43	.02	790	.04	4	.48	.01	.06	1	4	620
015061 DR	29	71	26	99	1.6	36	2	41	.82	161	5	ND	3	137	7.6	12	2	982	2.64	1.437	19	155	.08	1869	.02	8	1.01	.01	.13	1	13	730
015062 DR	8	68	26	163	1.4	45	2	30	.84	137	5	ND	3	166	4.5	10	2	665	2.56	1.360	26	199	.02	1512	.01	6	.89	.01	.10	1	26	430
015063 DR	11	45	13	30	.9	15	1	31	.44	39	5	ND	1	93	2.1	3	2	338	1.00	.463	13	36	.02	877	.01	9	.43	.01	.10	1	1	580
015064 DR	16	46	11	34	1.3	15	1	35	.42	38	5	ND	1	64	1.9	3	4	435	.65	.318	9	36	.02	1009	.02	9	.41	.01	.08	1	1	400
015065 DR	14	62	18	58	1.1	13	1	30	.74	62	5	ND	2	40	1.5	7	2	537	.49	.327	14	33	.15	801	.02	6	.65	.01	.11	1	7	1300
015066 DR	29	40	17	33	1.5	13	2	127	.60	77	5	ND	1	130	1.6	4	2	305	.40	.266	10	52	.01	1802	.01	7	.44	.01	.08	1	4	1800
015067 DR	41	67	25	54	1.2	15	1	42	.64	87	5	ND	3	98	2.0	7	2	298	.42	.260	12	22	.02	1412	.01	6	.50	.01	.11	1	3	2200
015068 DR	26	57	28	41	1.7	15	1	39	.50	63	5	ND	3	79	2.3	7	2	511	.55	.354	15	36	.05	1179	.02	8	.65	.01	.16	1	7	930
015069 DR	13	78	41	35	4.2	10	3	30	.74	312	5	ND	3	347	5.8	10	2	879	3.82	2.258	26	181	.04	4489	.02	13	1.29	.01	.12	2	8	5000
015070 DR	9	46	25	29	2.8	11	2	16	.52	238	5	ND	3	246	4.5	4	2	387	3.23	1.844	27	141	.01	2217	.01	9	.74	.01	.10	1	16	3600
015071 DR	9	67	28	49	2.3	12	2	29	.75	203	5	ND	2	246	6.6	7	2	1120	2.66	1.554	23	124	.03	3022	.03	16	.77	.01	.15	2	15	2800
015072 DR	11	75	12	64	1.2	17	4	55	.71	125	5	ND	3	62	5.1	6	2	2181	.23	.170	19	92	.05	1616	.06	10	.59	.01	.19	2	28	4000
015073 DR	19	109	25	136	1.2	23	3	29	.83	278	5	ND	5	111	12.1	14	2	3883	.59	.337	35	142	.12	3006	.09	14	.97	.01	.33	3	38	8500
015074 DR	41	119	49	123	1.2	17	1	17	.68	152	5	ND	4	70	6.5	24	2	2888	.97	.476	25	168	.16	1795	.07	14	1.02	.01	.32	2	25	5000
015075 DR	23	89	35	61	1.0	8	1	9	.52	122	5	ND	3	118	3.2	13	2	1382	2.08	1.036	21	149	.03	1167	.05	10	.78	.01	.15	1	19	2400
015076 DR	24	198	39	251	1.2	33	2	15	1.40	626	5	ND	2	167	29.6	32	2	1590	2.30	1.301	24	170	.02	1397	.03	11	.77	.01	.13	1	17	4000
015077 DR	9	154	28	303	1.5	38	4	33	1.09	353	5	ND	2	217	26.8	14	2	1082	1.83	.903	21	151	.02	2698	.02	10	.62	.01	.12	2	20	5800
015078 DR	12	70	25	145	1.0	22	3	26	.51	180	5	ND	4	207	5.3	10	3	2732	.84	.494	29	151	.08	3682	.05	18	.88	.01	.25	9	22	10400
015079 DR	18	71	43	113	1.8	19	2	26	.56	222	5	ND	3	55	7.2	7	2	1401	.26	.137	16	66	.05	1736	.05	9	.51	.01	.17	3	15	6600
015080 DR	30	127	39	272	2.2	39	3	65	1.20	465	5	ND	5	142	17.7	20	3	2157	.38	.269	21	119	.15	3040	.07	12	.86	.01	.23	4	21	22800
015081 DR	30	223	31	828	2.0	85	11	216	2.98	530	5	ND	3	521	32.1	24	5	1484	.37	.695	12	97	.02	9760	.03	22	1.10	.01	.08	13	22	19000
015082 DR	17	146	11	758	.3	83	12	173	1.95	549	5	ND	4	1001	32.4	20	2	1824	5.64	3.269	32	195	.04	13912	.03	36	1.94	.01	.24	12	42	7800
015083 DR	46	332	21	2758	1.2	328	11	1311	7.75	435	5	ND	2	69	27.9	12	2	1241	.22	.213	9	41	.03	1744	.02	4	.48	.01	.12	1	15	5400
015084 DR	23	113	34	519	1.3	65	3	126	1.60	294	5	ND	3	254	22.9	14	2	1666	2.81	1.517	20	148	.04	2485	.05	12	1.00	.01	.17	1	6	3600
015085 DR	32	106	31	1067	.8	194	5	243	2.68	769	5	ND	3	297	42.2	14	4	1874	1.09	.759	16	109	.03	5014	.07	17	.93	.01	.14	1	23	4500
015086 DR	38	153	22	2755	1.2	364	10	776	5.13	1334	5	ND	3	130	78.1	35	7	1853	1.02	.554	18	97	.04	2479	.04	10	.82	.01	.11	1	34	1800
015087 DR	26	176	16	1356	3.3	164	10	794	2.58	6266	5	ND	3	195	128.5	38	38	2327	2.03	1.011	20	133	.06	3002	.05	8	.92	.01	.17	1	24	1600
015088 DR	28	188	10	1568	2.1	194	12	640	1.82	3093	5	ND	5	385	91.8	23	31	2237	3.43	1.833	25	167	.08	6262	.05	7	1.26	.02	.32	1	18	380
015089 DR	35	176	10	2217	1.2	178	4	294	3.95	3570	5	ND	3	298	126.4	19	14	1512	4.30	2.736	29	150	.05	2833	.04	13	1.19	.01	.16	1	15	360
015090 DR	26	108	14	1313	1.4	137	5	529	2.51	2630	5	ND	4	184	100.2	20	21	1779	2.40	1.235	21	132	.05	3866	.05	11	1.05	.01	.19	1	14	340
015091 DR	33	173	14	677	.8	100	7	97	1.73	760	5	ND	4	362	51.5	13	11	1899	5.34	3.225	32	186	.12	3992	.04	9	1.37	.02	.32	1	82	190
STANDARD C/AU-R	19	59	43	135	7.0	72	31	1051	3.95	42	21	7	40	52	18.6	16	20	57	.50	.094	40	60	.89	182	.08	36	1.92	.06	.13	13	510	1500

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	Hg ppb
015092 DR	51	134	26	472	.2	70	7	231	1.49	514	6	ND	5	67	41.7	19	4	1950	.38	.184	26	94	.09	2192	.07	14	.78	.01	.25	1	52	260
015093 DR	19	124	16	473	.4	62	6	170	1.18	298	5	ND	3	302	21.0	14	2	1520	3.12	1.737	26	138	.04	4974	.05	16	1.15	.01	.26	1	30	460
015094 DR	19	207	21	1567	.8	150	6	155	3.10	1120	5	ND	3	272	74.3	29	2	1613	1.67	.838	20	130	.09	4637	.09	8	1.04	.02	.19	1	230	2000
015095 DR	10	101	11	2257	.1	276	12	758	3.52	394	5	ND	16	54	45.7	11	2	164	.46	.135	44	34	.87	943	.15	3	1.43	.03	.29	1	49	4400
015096 DR	8	42	10	2176	.1	492	27	546	5.20	354	5	ND	17	61	25.0	19	2	122	.46	.157	49	45	1.35	821	.18	2	2.59	.03	.40	1	19	60
015097 DR	7	40	14	1864	.1	392	26	434	4.80	385	5	ND	16	53	13.6	19	2	137	.44	.183	45	38	1.32	987	.19	2	3.01	.03	.41	1	14	110
015098 DR	7	48	12	2271	.1	389	20	413	5.26	388	5	ND	16	48	15.7	30	2	134	.45	.175	37	40	1.35	745	.17	2	2.96	.02	.43	1	11	130
015099 DR	9	52	11	2461	.1	387	32	574	5.94	433	5	ND	17	43	15.0	37	4	113	.43	.173	53	35	1.12	1093	.14	2	2.61	.02	.32	1	11	120
015100 DR	10	56	42	677	.7	120	5	106	1.52	217	5	ND	1	445	3.7	17	2	242	2.72	1.666	21	111	.01	4467	.01	14	.71	.01	.05	1	13	2100
015101 DR	17	175	72	908	3.3	102	4	98	3.02	441	7	ND	1	603	16.1	22	5	469	4.59	3.206	33	149	.01	4093	.01	15	.99	.01	.08	1	25	7500
015102 DR	24	258	47	1872	3.4	143	4	84	5.68	737	8	ND	1	435	26.2	37	7	605	3.14	1.841	32	197	.02	3377	.01	12	.99	.01	.06	1	310	4600
015103 DR	27	196	100	809	5.3	78	4	35	4.94	750	5	ND	2	375	19.9	40	10	567	1.32	1.617	21	128	.01	3774	.02	13	.75	.01	.06	1	350	7600
015104 DR	21	262	27	776	2.4	143	4	32	2.74	570	7	ND	2	626	16.8	46	3	919	1.30	.972	22	191	.01	5326	.05	11	1.05	.01	.08	6	660	12000
015105 DR	29	115	24	401	2.3	79	2	34	2.12	800	5	ND	2	195	17.4	52	2	480	.71	.522	15	47	.02	1962	.01	16	.68	.01	.16	2	2320	10600
015106 DR	22	108	27	211	1.4	48	1	17	1.20	404	5	ND	3	131	6.3	32	3	1035	.73	.422	22	126	.08	1269	.02	20	.70	.01	.24	4	328	19000
015107 DR	19	145	14	276	1.1	75	1	27	1.23	365	5	ND	2	146	10.0	38	2	776	1.39	.738	19	134	.04	1034	.01	10	.63	.01	.16	3	430	10800
015108 DR	9	198	44	285	2.8	46	1	35	1.59	307	5	ND	3	100	9.1	15	2	181	1.24	.646	19	170	.05	494	.01	9	.65	.01	.08	1	49	5100
015109 DR	13	213	32	1708	4.2	247	5	790	2.89	183	5	ND	2	234	20.6	17	2	206	3.27	1.715	18	194	1.25	912	.03	5	.91	.01	.07	1	13	2500
015110 DR	15	251	96	2389	6.3	401	12	1698	2.86	201	5	ND	2	92	29.8	16	2	162	.54	.146	9	47	4.31	575	.04	2	1.88	.01	.09	1	47	1050
015111 DR	23	227	21	1482	2.9	170	8	449	4.26	908	5	ND	1	57	86.7	64	2	236	.21	.295	5	21	.04	885	.01	4	.29	.01	.01	1	19	480
015112 DR	12	107	51	587	6.4	88	3	67	1.85	304	5	ND	3	189	22.8	28	2	130	1.31	.619	10	74	.01	729	.01	3	.50	.01	.02	1	13	2400
015113 DR	16	244	80	800	4.6	146	4	62	2.40	442	5	ND	4	462	37.4	47	2	492	1.38	.844	18	143	.02	4116	.01	10	.97	.01	.07	4	550	17000
015114 DR	13	248	24	606	5.7	119	1	31	1.55	262	5	ND	1	82	25.7	26	2	311	.62	.319	6	91	.03	751	.01	9	.35	.01	.07	1	63	12000
015115 DR	18	237	32	604	8.2	99	1	43	1.76	288	6	ND	2	275	21.3	24	2	564	2.99	1.645	24	201	.05	869	.01	15	.80	.01	.15	1	11	11000
015116 DR	14	215	27	696	5.7	87	1	32	1.71	379	7	ND	3	517	46.1	28	2	1238	6.32	3.198	34	303	.11	1241	.01	28	1.48	.01	.24	1	3	10800
015117 DR	28	249	26	904	3.7	122	2	21	2.03	412	7	ND	3	664	28.6	42	2	1515	8.01	3.266	32	235	.08	1650	.05	22	1.52	.01	.16	1	1	6800
015118 DR	2	16	35	140	.1	21	11	604	2.61	60	5	ND	18	34	.2	25	2	64	.32	.127	39	27	.03	919	.01	4	.58	.01	.07	1	5	2000
015119 DR	1	16	36	141	.1	22	10	523	2.84	90	5	ND	18	38	.2	34	2	64	.53	.151	44	24	.11	1420	.01	2	.76	.01	.10	1	6	500
015120 DR	2	17	24	129	.2	23	10	817	3.50	619	5	ND	18	47	.2	92	2	50	.57	.132	68	29	.07	800	.01	3	.64	.01	.13	1	220	2200
015121 DR	1	15	24	193	.1	35	13	962	4.28	601	5	ND	16	49	.2	121	2	70	.61	.128	86	34	.51	1643	.02	2	1.62	.01	.19	1	3	1300
015122 DR	1	14	20	80	.2	12	9	498	3.33	449	5	ND	17	56	.2	18	3	56	1.57	.122	50	29	.47	1689	.04	3	1.24	.02	.26	1	95	640
015123 DR	1	14	21	86	.1	13	8	550	3.36	20	5	ND	17	101	.2	13	2	84	1.81	.116	46	45	1.15	1318	.15	2	1.72	.05	.50	1	15	130
015124 DR	2	14	11	81	.1	13	8	571	3.32	28	5	ND	16	82	.2	20	2	90	1.57	.115	42	58	1.30	1120	.17	2	1.75	.05	.46	2	9	100
015125 DR	1	16	23	91	.1	12	8	626	3.33	361	5	ND	16	70	.2	133	2	70	1.76	.115	45	38	.95	747	.11	4	1.47	.04	.42	1	310	250
015126 DR	1	16	17	77	.2	13	8	628	3.34	535	5	ND	16	66	.2	1314	2	58	1.53	.116	47	34	.72	730	.07	4	1.26	.03	.30	1	340	500
015127 DR	1	14	22	83	.1	14	8	665	3.18	379	5	ND	17	63	.2	452	2	46	1.67	.115	47	28	.61	704	.02	4	1.18	.02	.17	1	75	310
STANDARD C/AU-R	19	61	42	134	6.9	73	31	1054	3.96	39	22	7	38	53	18.3	14	19	56	.51	.099	38	60	.91	181	.07	37	1.87	.06	.14	11	540	1400

BEDDH 90-18

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	Hg ppb
015128 DR	3	11	17	89	.3	13	9	63	3.35	36	5	ND	16	108	.2	68	2	81	1.84	.105	46	48	1.21	1171	.09	2	1.80	.05	.35	1	18	170
015129 DR	3	12	16	92	.2	12	9	62	3.33	162	5	ND	18	82	.3	88	2	70	1.79	.104	51	39	.94	722	.09	6	1.49	.04	.36	1	82	130
015130 DR	1	13	21	104	.3	10	9	73	3.50	134	5	ND	17	75	.4	88	2	75	2.28	.101	56	39	.62	502	.07	3	1.42	.02	.29	1	16	120
015131 DR	1	17	41	150	.3	11	10	67	3.62	114	5	ND	19	53	.6	88	4	70	2.95	.111	60	29	.27	1031	.06	3	1.12	.01	.24	1	2	520
015132 DR	2	16	20	108	.7	13	11	80	3.39	1129	5	ND	17	103	.4	216	2	42	1.22	.093	47	19	.12	777	.01	12	.69	.01	.17	1	460	2900
015133 DR	2	17	24	118	.4	15	11	89	3.53	599	5	ND	18	63	.2	368	3	40	.97	.106	51	20	.06	765	.01	9	.74	.01	.17	1	119	2800
015134 DR	1	16	16	106	.2	14	10	61	3.66	656	5	ND	16	110	.2	208	2	37	1.78	.108	45	20	.19	491	.01	5	.71	.01	.17	1	134	2200
015135 DR	1	22	17	120	.7	23	12	64	3.41	1057	5	ND	15	53	.2	252	2	30	.46	.117	49	14	.04	682	.01	9	.62	.01	.16	1	590	3400
015136 DR	6	21	23	82	1.7	24	4	5	3.13	672	5	ND	7	96	.5	143	2	48	.14	.042	29	11	.05	450	.01	15	.60	.01	.25	1	280	1400
015137 DR	11	25	26	60	1.7	16	3	3	1.92	158	5	ND	6	298	.8	32	2	130	.65	.367	24	25	.06	1941	.01	21	.94	.01	.26	1	47	3200
015138 DR	10	36	35	45	2.6	18	3	4	1.53	297	5	ND	3	345	1.5	19	2	194	.68	.480	12	33	.03	2170	.01	17	.60	.01	.15	1	116	2300
015139 DR	3	23	41	88	3.2	18	2	3	2.36	1259	5	9	10	117	1.5	33	2	46	.09	.078	26	18	.02	442	.01	9	.53	.01	.27	1	10210	5200
015140 DR	4	28	48	268	1.7	31	13	33	3.18	3110	5	3	15	54	2.8	46	2	27	.25	.120	37	9	.03	449	.01	10	.55	.01	.16	1	3720	3800
015141 DR	3	22	54	176	1.6	23	7	11	2.85	1555	5	ND	12	72	2.2	40	2	20	.14	.079	31	7	.03	618	.01	9	.57	.01	.20	1	1260	2800
015142 DR	2	26	31	176	.8	26	7	10	2.67	1005	6	ND	14	78	1.3	25	3	21	.15	.081	33	13	.03	705	.01	13	.74	.01	.22	1	320	2500
015143 DR	2	34	24	250	.5	45	15	124	3.79	606	5	ND	12	260	5.7	21	2	32	1.25	.126	29	17	.41	195	.01	7	.65	.01	.18	1	85	2700
015144 DR	7	26	15	142	1.4	18	4	140	.91	132	5	ND	2	923	4.3	16	2	59	14.23	.046	11	12	.20	1650	.01	8	.39	.01	.11	1	63	3600
015145 DR	4	10	2	141	.3	14	5	476	.49	149	5	ND	1	1184	2.4	8	2	53	24.52	.023	4	11	.52	3208	.01	2	.18	.01	.05	1	1	2300
015146 DR	2	11	18	120	.4	14	8	63	2.99	502	5	ND	8	244	.9	15	2	15	1.95	.076	18	10	.70	110	.01	8	.54	.01	.16	1	280	4000
015147 DR	11	49	27	235	1.8	59	14	48	3.21	90	5	ND	6	428	1.2	20	2	31	4.54	.031	23	21	.68	366	.01	6	1.10	.02	.29	1	14	2700
015148 DR	12	39	21	141	.4	51	11	32	3.24	102	5	ND	4	369	.9	6	2	18	5.23	.028	10	15	.71	67	.01	9	.54	.01	.18	1	21	1800
STANDARD C/AU-R	18	57	38	131	6.9	68	32	105	3.96	42	15	7	39	53	18.4	15	18	55	.50	.092	39	61	.88	182	.07	33	1.88	.06	.14	15	530	1400

BCD004 90-4059

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	Hg ppb
015149 DR	2	16	45	153	.4	17	12	819	3.80	584	5	ND	18	71	.5	108	2	50	1.33	.080	40	18	.12	1748	.01	2	.53	.01	.06	1	460	3100
015150 DR	2	18	70	188	.4	20	11	1077	3.88	583	6	ND	17	67	.3	68	3	57	1.97	.061	43	22	.06	763	.01	5	.67	.01	.05	1	46	3700
015151 DR	2	13	40	122	.5	14	11	793	3.51	691	5	ND	18	79	.2	350	4	49	2.58	.077	46	18	.11	721	.01	3	.62	.01	.06	1	340	2800
015152 DR	3	17	57	191	.4	22	12	810	3.82	256	5	ND	20	72	.2	154	3	70	1.41	.115	54	27	.05	654	.01	2	.88	.01	.05	1	65	4200
015153 DR	2	15	27	152	.4	21	11	1125	3.59	717	5	ND	17	58	.6	154	2	48	1.01	.037	40	18	.05	666	.01	2	.51	.01	.06	1	160	2800
015154 DR	2	15	28	108	.7	15	11	965	3.65	2034	5	ND	14	55	.2	67	2	38	1.34	.024	35	15	.04	466	.01	2	.43	.01	.06	2	1150	2100
015155 DR	2	15	25	111	1.0	13	9	1122	3.61	2246	5	ND	14	68	.5	121	5	39	1.55	.026	36	15	.04	503	.01	6	.39	.01	.06	2	1440	3400
015156 DR	2	15	29	113	2.2	15	11	999	3.66	5886	5	7	13	92	.6	437	2	31	1.26	.019	31	12	.23	339	.01	2	.34	.01	.06	2	8250	4300
015157 DR	1	16	22	107	4.6	13	8	666	3.11	9479	5	19	11	80	.9	531	2	21	.60	.022	29	7	.06	367	.01	3	.31	.01	.06	1	19900	6500
015158 DR	2	18	22	168	3.7	16	9	754	3.17	8124	8	15	12	72	.4	2072	2	23	.49	.020	27	9	.05	349	.01	4	.30	.01	.06	2	13080	5100
015159 DR	2	17	27	143	4.1	16	9	876	3.36	6887	5	13	11	87	1.0	1703	2	21	.76	.023	24	6	.12	365	.01	2	.31	.01	.07	1	12950	4800
015160 DR	3	19	19	163	3.2	22	13	785	3.38	4612	5	9	11	60	.9	1104	2	27	.21	.031	33	9	.02	441	.01	5	.32	.01	.07	2	9850	4000
015161 DR	4	30	28	39	.9	5	2	30	.83	316	5	ND	4	140	.2	149	4	57	.15	.049	17	11	.03	867	.01	7	.44	.01	.14	2	920	2700
015162 DR	2	44	59	80	.5	21	2	17	2.21	888	5	ND	12	452	2.1	177	2	146	.14	.125	33	8	.02	700	.01	4	.60	.01	.14	1	240	2500
015163 DR	2	18	39	199	.9	37	5	31	2.47	592	5	ND	10	222	.6	141	2	63	.10	.072	39	7	.03	457	.01	5	.54	.01	.14	1	40	1400
015164 DR	15	110	72	344	1.6	58	5	31	3.23	716	5	ND	4	603	4.6	147	3	584	.11	.246	14	47	.02	2845	.05	6	.58	.01	.06	3	38	3100
015165 DR	9	195	38	873	.7	108	8	49	4.60	829	6	ND	10	1165	6.9	131	2	174	.20	.321	25	18	.02	902	.01	2	1.08	.01	.11	1	32	3800
015166 DR	4	32	21	141	.5	21	3	16	1.18	191	5	ND	1	96	1.4	22	2	56	.03	.023	4	8	.01	1690	.01	2	.20	.01	.02	1	31	3300
015167 DR	4	21	15	74	.1	15	2	11	.35	59	5	ND	1	178	.7	8	4	53	.01	.009	2	7	.01	1880	.01	3	.16	.01	.01	1	9	1200
015168 DR	1	5	9	12	.1	1	2	7	.12	26	5	ND	1	306	.3	4	6	21	.01	.006	2	3	.01	1951	.01	4	.05	.01	.01	1	2	350
015169 DR	4	33	9	110	.1	17	3	45	.52	95	5	ND	1	272	1.3	7	8	27	.01	.012	2	5	.01	1938	.01	3	.26	.01	.01	1	9	520
015170 DR	24	57	27	728	.3	123	18	158	4.69	135	5	ND	7	69	3.3	6	2	30	.07	.034	34	15	.08	2738	.01	10	1.04	.01	.25	1	23	880
STANDARD C/AU-R	19	57	41	130	7.2	73	32	1052	3.97	44	17	7	38	53	19.1	15	20	56	.52	.094	38	58	.89	181	.07	35	1.89	.06	.14	13	520	1500

8.44g/16ml

16.05

BC ODH 90-20

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	Hg ppb
015171 DR	3	17	33	182	.3	24	12	928	4.08	1147	5	ND	14	55	.3	55	5	51	.04	.032	29	21	.03	1753	.01	5	.58	.01	.07	1	1220	4700
015172 DR	2	17	42	131	.3	18	10	858	3.50	1584	5	ND	13	41	.2	350	3	48	.68	.024	27	20	.03	1559	.01	4	.55	.01	.06	2	1560	3800
015173 DR	2	20	43	113	.8	20	11	867	3.73	2307	5	5	13	41	.2	2397	2	40	.17	.023	32	15	.03	998	.01	4	.56	.01	.09	1	5700	3900
015174 DR	2	19	44	160	.6	20	9	712	3.23	1337	5	4	13	44	.2	2217	5	47	.27	.027	29	24	.03	666	.01	5	.58	.01	.07	1	5040	3300
015175 DR	2	20	39	152	.7	20	9	980	3.28	1376	5	ND	15	41	.3	1270	3	37	.15	.025	28	15	.03	655	.01	4	.57	.01	.08	1	530	3000
015176 DR	2	17	35	106	4.1	14	8	649	3.43	7868	5	18	12	63	.5	58	2	26	.19	.020	31	10	.02	1100	.01	7	.44	.01	.08	1	17700	6100
015177 DR	2	14	26	96	2.2	14	8	652	3.18	5609	5	9	12	55	.6	73	2	21	.31	.020	30	9	.06	526	.01	6	.40	.01	.08	1	8860	4200
015178 DR	3	18	34	179	3.0	16	9	874	3.29	6734	5	14	14	63	.9	114	3	28	.19	.027	35	21	.02	724	.01	7	.44	.01	.07	1	13090	5800
015179 DR	2	18	18	160	3.2	16	6	449	3.28	6753	6	16	11	53	6.3	467	3	29	.16	.033	29	9	.01	1040	.01	5	.37	.01	.06	1	15800	6200
015180 DR	3	29	17	202	4.0	31	6	496	3.80	5943	5	29	10	96	18.6	63	2	51	.19	.056	27	10	.01	566	.01	3	.44	.01	.06	1	24900	8400
015181 DR	10	106	27	87	2.5	19	6	64	.91	405	25	ND	2	2404	3.7	27	3	537	.37	.753	11	62	.03	7230	.01	10	1.40	.01	.08	1	320	3800
015182 DR	6	47	35	275	.2	32	4	33	1.99	445	5	ND	2	142	1.8	61	2	148	.03	.057	9	17	.01	2503	.01	2	.33	.01	.03	1	101	5200
STANDARD C/AU-R	19	60	40	134	7.1	73	31	1053	3.95	39	16	7	38	52	18.8	15	20	56	.51	.099	39	60	.91	182	.07	36	1.91	.06	.13	12	520	1600

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	Hg ppb
015183 DR	3	17	40	371	.2	48	12	1364	4.00	496	5	ND	13	76	.8	203	2	66	.06	.052	23	23	.03	741	.01	3	.61	.01	.04	1	140	6400
015184 DR	4	20	46	405	.1	59	12	806	4.48	216	5	ND	16	89	.2	87	2	86	.20	.079	28	33	.04	993	.01	3	.72	.01	.05	1	13	7300
015185 DR	5	18	29	323	.2	41	11	570	4.17	709	5	ND	18	71	.6	225	2	67	.52	.117	44	37	.03	1227	.01	3	.57	.01	.08	1	53	4900
015186 DR	3	17	32	264	.1	37	13	796	4.50	176	5	ND	20	66	.2	108	2	86	.30	.113	50	32	.02	1517	.01	5	.76	.01	.07	1	10	6200
015187 DR	3	16	18	316	.1	54	11	638	3.66	259	5	ND	17	35	.6	147	2	88	.45	.128	43	39	.45	531	.08	2	1.25	.01	.28	1	19	3800
015188 DR	5	16	26	401	.2	56	12	1065	2.76	205	5	ND	21	32	.7	123	2	78	.42	.135	62	27	.10	240	.01	2	.71	.01	.08	1	6	7800
015189 DR	10	30	273	708	1.1	65	13	939	3.92	520	5	ND	20	63	1.3	304	2	65	.27	.115	56	30	.06	338	.01	3	.62	.01	.11	1	11	8300
015190 DR	6	30	222	611	.9	47	8	233	3.40	741	5	ND	14	95	1.3	265	2	37	.07	.041	33	15	.02	547	.01	4	.54	.01	.07	1	55	5400
015191 DR	7	16	75	546	.4	58	13	317	3.95	308	5	ND	12	80	1.0	114	2	57	.04	.029	21	37	.01	854	.01	7	.53	.01	.04	1	6	10800
015192 DR	8	18	154	634	1.3	57	6	231	3.32	838	5	ND	15	74	.9	439	2	28	.08	.040	38	12	.02	513	.01	4	.41	.01	.07	1	130	4800
015193 DR	15	20	93	630	1.2	53	10	406	4.15	1630	5	2	13	66	1.6	377	2	34	.07	.026	31	12	.01	463	.01	5	.39	.01	.05	1	1130	18000
015194 DR	9	18	56	616	1.4	38	9	1123	3.85	1633	5	3	12	72	1.1	2909	2	32	.12	.021	36	12	.02	399	.01	7	.37	.01	.05	1	2360	14000
015195 DR	13	14	24	587	.9	63	7	311	3.27	1652	5	2	11	79	1.1	1853	2	34	.08	.034	33	27	.01	489	.01	4	.44	.01	.05	1	1630	6300
015196 DR	19	20	69	612	1.2	73	6	215	3.78	2105	5	6	11	86	1.9	358	2	31	.08	.056	37	17	.01	725	.01	4	.39	.01	.05	1	5788	10400
015197 DR	13	14	45	712	.8	55	9	557	3.78	1207	5	ND	12	99	1.2	79	2	26	.26	.063	33	7	.08	476	.01	6	.51	.01	.09	1	750	10600
015198 DR	10	7	31	867	.3	62	9	778	4.08	328	5	ND	12	97	.9	324	2	30	.38	.094	40	10	.03	752	.01	6	.60	.01	.11	1	210	3500
015199 DR	16	12	35	975	.4	70	10	815	4.34	266	5	ND	12	141	1.2	133	2	22	.41	.108	41	16	.05	1127	.01	7	.65	.01	.12	1	81	3600
015200 DR	9	12	48	392	.4	44	9	519	3.81	472	5	ND	8	135	.5	35	2	16	1.18	.053	17	8	.43	159	.01	8	.48	.01	.11	1	150	10200
015201 DR	9	36	19	355	.3	92	14	273	3.44	689	6	ND	2	88	2.1	13	2	34	.24	.035	12	6	.17	28	.01	8	.40	.01	.14	1	38	2100
STANDARD C/AU-R	18	59	37	131	6.8	68	32	1057	3.97	40	17	7	36	53	18.4	15	18	56	.50	.093	37	56	.91	188	.07	37	1.90	.06	.13	11	530	1400

BC004 90-81

2.3½/10"

ACME ANALYTICAL LABORATORIES LTD.

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9010-027 File # 90-5191

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3Y5

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	Hg ppb
015202 DR	3	12	32	251	.6	20	6	699	3.04	949	5	ND	9	30	1.0	410	3	27	.07	.046	29	7	.03	860	.01	4	.45	.01	.08	1	2290	1300
015203 DR	4	9	13	498	.9	38	10	3403	3.48	1615	5	3	10	43	4.9	1142	2	50	.09	.066	40	7	.01	1187	.01	5	.33	.01	.05	1	4910	1600
015204 DR	5	10	26	419	.9	50	10	2322	3.79	1437	5	ND	11	39	4.8	546	2	35	.09	.063	42	7	.02	896	.01	8	.42	.01	.09	1	1900	1500
015205 DR	5	7	37	393	.9	59	12	1630	5.58	913	5	ND	12	44	2.0	538	2	34	.06	.084	43	5	.02	750	.01	6	.47	.01	.06	1	790	1400
015206 DR	6	12	45	521	2.7	80	11	364	5.58	708	5	ND	11	60	3.9	495	2	46	.05	.101	43	8	.01	764	.01	5	.51	.01	.06	1	940	1600
015207 DR	4	16	35	547	2.3	83	9	1007	3.90	493	5	ND	4	57	10.6	5801	5	55	.08	.080	22	7	.01	1045	.01	4	.39	.01	.05	1	1060	1500
015208 DR	19	116	24	691	4.0	185	12	315	3.43	276	7	ND	2	543	4.0	418	2	232	1.32	.842	23	93	.05	6107	.01	15	1.12	.01	.13	5	240	4900
015209 DR	10	98	27	387	2.9	83	8	247	1.93	137	5	ND	3	345	2.2	199	3	195	1.93	.910	20	74	.07	3183	.01	20	.96	.01	.21	2	97	3300
015210 DR	7	57	19	539	1.0	92	15	691	3.88	113	5	ND	8	44	3.2	136	2	42	.09	.089	30	18	.05	666	.01	8	.52	.01	.17	1	58	720
015211 DR	10	61	30	383	1.1	91	13	346	2.78	88	5	ND	7	84	1.6	67	3	46	.17	.100	30	11	.05	896	.01	9	.54	.01	.14	1	46	1200
015212 DR	2	33	13	221	1.0	34	5	130	1.70	54	5	ND	6	52	.2	42	2	29	.04	.051	28	10	.03	389	.01	10	.44	.01	.15	1	45	830
015213 DR	6	76	10	425	.6	73	9	127	2.24	54	5	ND	7	65	.6	57	4	43	.12	.080	28	22	.04	686	.01	10	.47	.01	.14	1	17	1100
STANDARD C/AU-R	19	61	40	135	7.4	72	31	1059	3.97	42	16	8	38	52	18.9	15	21	56	.46	.098	38	59	.90	182	.07	34	1.91	.06	.13	11	530	1300

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: CUTTING AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: OCT 9 1990 DATE REPORT MAILED: Oct 16/90 SIGNED BY ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Brewery DDH #23

Noranda Exploration Co. Ltd. PROJECT 9010-010 File # 90-4922A

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5

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	Hg ppb
015214 DR	3	25	36	289	.3	31	11	1074	3.74	1236	5	ND	8	56	3.5	197	2	39	.09	.058	35	25	.04	819	.01	7	.75	.01	.13	1	1460	1800
015215 DR	4	20	32	299	.9	28	11	1115	4.00	1492	5	2	9	49	3.3	194	2	46	.08	.059	38	24	.03	820	.01	5	.72	.01	.12	1	2720	2800
015216 DR	3	19	28	320	.5	31	12	1538	5.01	1929	5	4	9	59	2.5	97	2	53	.22	.062	38	32	.04	1035	.01	9	.92	.01	.13	1	3630	3000
015217 DR	4	17	31	452	.3	39	12	1223	4.30	1022	5	2	8	46	4.0	130	2	54	.43	.044	31	31	.04	792	.01	7	.88	.01	.12	1	2300	1600

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. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: OCT 25 1990 **DATE REPORT MAILED:** Nov 5/90. **SIGNED BY.** C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Boroussay (LR)

Noranda Exploration Co. Ltd. PROJECT 9010-010 File # 90-4922 Page 1

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5

BC004 90-23

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	Hg ppb
015218 DR	4	17	32	480	.1	38	11	799	3.42	804	5	ND	9	40	4.2	227	2	41	.07	.051	27	15	.03	640	.01	5	.50	.01	.12	1	170	1600
015219 DR	7	25	30	617	.1	51	12	1042	3.57	859	5	ND	9	43	8.1	223	2	51	.06	.055	30	26	.03	678	.01	4	.52	.01	.11	2	150	3500
015220 DR	7	25	60	440	.3	27	9	843	3.23	210	5	ND	12	47	3.5	136	2	27	.12	.083	35	7	.03	646	.01	2	.51	.01	.13	1	25	2600
015221 DR	5	16	123	339	.6	15	8	834	3.07	50	5	ND	13	34	3.1	60	2	22	.09	.054	34	4	.03	501	.01	6	.49	.01	.12	1	21	1800
015222 DR	6	33	204	523	2.0	19	8	599	3.16	179	5	ND	13	44	2.7	129	2	47	.11	.072	37	7	.03	551	.01	5	.53	.01	.12	1	78	3600
015223 DR	7	14	72	442	.5	27	9	764	3.15	208	5	ND	15	50	2.1	100	2	41	.21	.117	41	13	.03	566	.01	5	.59	.01	.13	1	49	1900
015224 DR	8	13	40	528	.7	35	8	972	2.78	107	5	ND	12	41	1.7	61	3	35	.11	.072	33	5	.03	581	.01	2	.54	.01	.12	1	49	2000
015225 DR	8	18	35	525	.3	28	9	651	2.90	586	7	ND	10	44	6.3	77	4	134	.09	.056	31	5	.02	585	.01	4	.46	.01	.12	2	180	1500
015226 DR	11	42	14	255	1.0	22	3	191	1.42	98	16	ND	5	220	2.7	26	2	340	.45	.250	14	25	.03	1652	.01	10	.57	.01	.12	2	26	3800
015227 DR	12	107	32	317	2.4	78	5	222	1.59	485	15	ND	5	151	14.1	124	2	642	.60	.084	18	56	.03	2001	.01	6	.42	.01	.10	10	670	12000
015228 DR	28	143	19	353	2.5	91	3	65	.91	120	15	ND	5	122	5.7	24	2	1149	.14	.082	15	106	.05	1492	.01	4	.44	.01	.12	3	18	14600
015229 DR	14	86	31	1879	.1	234	20	1079	5.54	376	5	ND	22	111	11.1	50	2	1189	.33	.217	60	92	.02	1127	.01	2	.74	.01	.05	4	74	6800
015230 DR	13	55	28	1456	.1	159	19	1428	5.36	189	5	ND	14	84	11.0	24	2	504	.09	.116	26	90	.02	1131	.01	2	.62	.01	.02	2	14	6200
015231 DR	14	109	9	322	1.7	56	4	106	.91	66	9	ND	1	407	4.3	19	2	659	2.08	.960	19	90	.04	2487	.01	10	.59	.01	.12	1	4	6300
STANDARD C/AU-R	20	62	42	135	7.0	71	32	1052	3.96	44	18	7	40	53	19.1	16	21	58	.46	.095	39	59	.89	191	.08	33	1.89	.06	.13	13	530	1300

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: P1 CORE P2 CUTTING AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: OCT 1 1990 **DATE REPORT MAILED:** Oct 4/90 **SIGNED BY** C. Leong ..D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9010-028 File # 90-5155

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5

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	Hg ppb
015232 DR	3	53	25	400	3.6	61	7	200	3.15	915	5	ND	11	56	6.1	8639	2	74	.26	.103	38	11	.03	59	.01	6	.61	.01	.10	1	1260	2800
015233 DR	8	37	33	271	.7	66	9	116	2.60	197	5	ND	2	135	.9	106	2	95	.21	.052	8	9	.04	113	.01	10	.51	.01	.15	4	12	2100
015234 DR	6	10	27	60	.3	22	3	15	1.09	66	5	ND	3	130	.2	29	2	64	.14	.033	11	8	.04	120	.01	14	.45	.01	.14	1	4	2800
015235 DR	7	21	21	93	1.0	34	1	59	.68	103	5	ND	4	194	1.0	244	2	84	.24	.036	18	21	.04	130	.01	16	.46	.01	.16	1	65	3600
015236 DR	4	37	43	161	.6	29	10	240	4.38	3050	5	ND	10	52	8.1	544	2	31	.12	.064	43	15	.03	38	.01	2	.52	.01	.09	1	520	2500
015237 DR	4	25	33	111	1.1	21	4	47	.89	143	5	ND	5	172	.2	137	2	79	.11	.079	23	12	.05	263	.01	14	.65	.01	.18	1	17	4800
015238 DR	10	25	25	160	.7	27	5	92	1.12	161	5	ND	6	107	.2	204	2	49	.35	.128	27	15	.05	191	.01	14	.57	.01	.17	1	53	4500
015239 DR	2	36	31	172	.4	27	10	569	3.43	2017	5	ND	4	483	2.7	152	2	19	2.81	.052	16	15	1.15	5	.01	6	.40	.01	.12	1	650	1900
015240 DR	2	38	27	235	.5	40	13	786	3.91	1110	5	ND	7	427	4.7	104	2	40	4.06	.059	24	47	1.56	23	.01	3	.47	.01	.10	1	590	1600
015241 DR	2	60	25	195	1.5	46	15	886	4.48	4720	5	4	7	372	3.6	158	2	56	6.40	.045	19	61	2.60	9	.01	2	.39	.01	.05	1	5830	2400
015242 DR	2	55	20	288	1.1	49	18	917	4.84	3919	5	2	8	341	3.7	187	2	67	5.91	.053	21	76	2.42	12	.01	2	.42	.01	.05	1	4010	1900
015243 DR	2	30	28	187	2.0	28	14	785	3.93	8930	5	6	6	366	3.6	203	2	41	4.26	.031	16	38	1.69	81	.01	2	.44	.01	.09	1	8090	2600
015244 DR	2	26	20	107	1.2	20	10	696	3.23	4631	5	3	5	385	3.6	136	2	27	3.88	.025	13	27	1.62	9	.01	3	.37	.01	.09	1	3320	2700
015245 DR	1	81	20	1188	3.8	61	13	560	2.59	1194	5	2	1	327	14.9	21207 ✓	2	31	3.28	.019	8	31	1.50	4	.01	2	.35	.01	.06	1	2630	2400
015246 DR	1	15	29	114	.5	18	10	622	3.16	1716	5	ND	5	483	3.2	71	2	18	3.25	.056	18	17	1.36	84	.01	6	.41	.01	.11	1	590	2200
015247 DR	1	20	18	102	.8	18	10	644	3.11	6660	5	2	5	424	2.1	71	2	19	3.45	.063	19	17	1.39	8	.01	4	.36	.01	.09	1	2290	1800
015248 DR	2	14	19	132	1.1	18	9	583	2.91	3823	5	ND	3	453	1.8	105	2	20	3.41	.021	14	20	1.52	7	.01	3	.35	.01	.09	1	1830	1600
015249 DR	1	91	6	1653	12.7	26	7	332	1.13	.2	5	ND	1	176	9.9	38015 ✓	2	20	1.89	.001	2	13	1.03	6	.01	2	.15	.01	.02	1	910	3300
015250 DR	1	32	10	286	2.4	20	10	599	2.84	2007	5	2	1	424	2.1	19291 ✓	2	34	3.49	.016	9	18	1.59	52	.01	3	.30	.01	.07	1	1220	2300
015251 DR	1	69	7	252	9.5	27	8	444	1.39	20	5	ND	1	230	.6	28383 ✓	2	34	2.10	.003	2	16	1.06	17	.01	2	.17	.01	.03	1	1310	2400
015252 DR	16	76	15	1894	3.5	108	6	157	1.11	79	5	ND	1	315	10.9	6070	2	177	1.41	.487	8	84	.35	47	.01	6	.54	.01	.05	2	79	5600
015253 DR	1	89	41	488	.4	84	34	1323	5.93	102	9	ND	7	269	2.8	895	2	102	7.42	.095	34	241	2.57	871	.01	2	.43	.01	.01	1	10	4100
015254 DR	1	27	40	298	.2	27	13	811	3.57	130	5	ND	8	312	.6	202	2	24	3.63	.067	28	20	1.64	113	.01	2	.38	.01	.09	1	41	2800
STANDARD C/AU-R	18	57	40	131	7.0	69	32	1054	3.95	44	16	7	37	53	18.4	16	19	56	.46	.098	37	59	.92	180	.07	31	1.89	.06	.13	12	530	1600

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 0 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. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: OCT 9 1990 **DATE REPORT MAILED:** Oct 12/90 **SIGNED BY:** C. Leong D.TOYE, C.LENG, J.WANG; CERTIFIED B.C. ASSAYERS

✓ ASSAY RECOMMENDED

BC DDH 90-34

912 P02

OCT 12 '90 12:26

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9010-035 File # 90-5213 Page 1

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5

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	Hg ppb
015255 DR	7	30	23	355	.4	48	13	657	2.88	770	7	ND	10	91	1.0	1053	2	80	.15	.048	28	16	.05	2397	.01	12	.58	.01	.10	1	190	1600
015256 DR	7	38	48	582	.6	80	18	976	4.22	2308	9	ND	17	69	7.5	696	2	47	.14	.059	58	17	.04	1480	.01	5	.53	.01	.10	1	930	2300
015257 DR	5	21	38	669	.3	50	13	488	3.73	986	6	ND	12	39	4.2	943	2	39	.07	.031	45	15	.03	548	.01	6	.50	.01	.10	1	230	2100
015258 DR	4	15	35	472	.6	26	8	171	3.88	3395	7	2	11	42	4.2	1631	2	40	.09	.027	37	22	.01	567	.01	7	.45	.01	.10	1	1580	2000
015259 DR	4	23	34	552	.8	49	17	892	3.57	3743	7	2	4	76	13.3	16198	2	37	.28	.029	30	12	.05	320	.01	5	.44	.01	.09	1	2130	1500
015260 DR	5	26	30	440	.9	48	13	779	3.54	2856	5	ND	9	58	26.3	6062	2	33	.17	.035	38	11	.03	529	.01	6	.54	.01	.10	1	1740	1800
015261 DR	15	95	16	247	10.0	50	5	63	1.39	373	7	ND	2	438	15.9	5755	2	388	.91	.411	14	55	.04	2231	.01	18	.81	.01	.17	1	200	5800
015262 DR	16	58	11	158	6.4	36	3	49	1.12	648	5	ND	3	351	3.3	270	2	331	.50	.244	13	76	.04	1192	.01	15	.70	.01	.16	1	220	12600
015263 DR	5	36	29	647	.9	60	11	155	3.03	896	9	ND	9	93	10.3	2868	2	117	.09	.057	26	7	.02	109	.01	10	.50	.01	.08	1	360	3000
015264 DR	4	17	23	300	1.0	37	11	183	3.31	671	5	ND	9	66	7.1	1749	2	36	.23	.035	25	6	.10	64	.01	9	.38	.01	.08	1	580	2200
015265 DR	3	17	36	172	.8	20	8	616	3.15	1871	5	ND	8	360	3.2	1366	2	28	2.08	.022	18	12	.96	119	.01	8	.40	.01	.09	1	1010	1300
015266 DR	4	32	51	299	1.3	29	10	538	3.29	268	5	ND	4	435	4.9	14890	2	31	1.95	.027	18	21	.94	84	.01	9	.43	.01	.10	1	150	2000
015267 DR	15	42	24	430	1.8	81	12	81	2.29	347	6	ND	6	36	.5	240	2	59	.10	.016	25	9	.06	174	.01	9	.47	.01	.16	1	1040	2800
015268 DR	12	59	22	508	.5	85	13	449	4.35	55	5	ND	2	215	5.8	56	2	59	1.75	.017	7	15	.92	29	.01	9	.35	.01	.13	1	39	2100
015269 DR	27	58	7	174	.3	80	12	108	1.69	43	6	ND	1	41	1.0	37	2	52	.15	.008	7	10	.08	70	.01	8	.26	.01	.09	1	32	2000
015270 DR	24	53	14	191	.5	85	11	147	2.17	39	5	ND	2	89	1.8	104	2	61	.96	.010	9	25	.54	20	.01	8	.32	.01	.12	1	4	2700
015271 DR	16	44	26	385	1.7	66	9	409	2.29	157	5	ND	3	198	3.7	76	2	65	1.59	.045	13	18	.68	40	.01	4	.44	.01	.10	1	110	3600
015272 DR	1	29	23	87	.8	19	10	734	3.33	601	5	ND	5	497	.3	43	2	22	2.91	.016	15	17	1.47	55	.01	10	.37	.01	.09	1	430	3300
015273 DR	2	16	31	96	1.3	18	10	669	3.19	2613	5	2	4	415	.2	42	2	26	2.68	.016	12	17	1.28	97	.01	5	.39	.01	.09	1	1560	2100
015274 DR	3	20	30	79	.8	21	9	687	3.08	361	5	ND	3	487	2.3	32	2	31	3.06	.015	10	26	1.50	102	.01	6	.39	.01	.09	1	460	2500
015275 DR	33	44	16	609	2.9	97	5	180	1.19	85	5	ND	1	152	7.4	37	2	144	.34	.124	6	22	.14	48	.01	8	.45	.01	.06	1	220	3800
015276 DR	1	21	71	157	1.9	16	10	994	3.72	301	5	ND	5	618	1.0	53	2	27	3.04	.016	18	13	1.62	78	.01	4	.42	.01	.08	1	210	1800
015277 DR	16	33	41	334	1.2	46	4	224	1.49	49	5	ND	1	53	3.5	33	2	49	.10	.026	2	12	.04	55	.01	4	.16	.01	.03	1	61	2300
015278 DR	2	16	34	132	1.5	16	9	791	3.37	4244	5	3	4	572	1.7	69	2	39	3.25	.019	18	21	1.60	112	.01	5	.39	.01	.08	1	3280	2200
015279 DR	12	50	10	404	3.7	62	6	714	2.35	154	5	ND	1	138	6.5	84	2	89	3.15	.038	3	25	1.50	121	.01	2	.28	.01	.04	1	200	4100
015280 DR	6	26	14	291	2.9	30	3	764	2.08	199	5	ND	1	94	4.7	4061	2	66	3.52	.023	3	14	1.64	126	.01	2	.16	.01	.02	1	270	2300
STANDARD C/AU-R	19	63	45	133	7.3	73	31	1059	3.98	44	21	7	37	52	18.4	15	19	56	.46	.090	40	60	.90	182	.07	34	1.91	.07	.14	12	540	1600

BC 004-25

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: P1 CORE P2 TO P4 CUTTING AU* ANALYSIS BY ACID LEACH/AA FROM 10 GM SAMPLE. HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: OCT 10 1990 DATE REPORT MAILED: Oct 17/90. SIGNED BY: C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9007-027 327 File # 90-2400 Page 1

P.O. Box 2380, 1050 Davie St., Vancouver BC V6B 3T5

AMPLE#	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	Hg ppb
14800E 21750N	1	10	13	50	.3	14	5	132	1.81	10	5	ND	2	13	1.2	4	2	48	.13	.022	12	19	.27	739	.04	3	1.27	.01	.03	1	20
14800E 21700N	2	22	6	110	.4	26	15	720	2.59	13	5	ND	1	23	1.8	2	2	65	.19	.072	11	31	.39	1370	.03	3	1.75	.01	.06	1	100
14800E 21650N	1	18	15	90	.4	23	13	413	2.26	13	5	ND	2	22	1.9	2	2	58	.24	.040	12	29	.39	1157	.04	2	1.61	.01	.04	1	80
14800E 21600N	1	24	13	86	.3	18	8	242	2.19	13	5	ND	2	34	1.6	2	2	44	.27	.060	13	27	.40	435	.05	2	1.48	.01	.04	1	240
14800E 21550N	3	13	9	194	.8	17	9	322	2.50	18	5	ND	2	32	2.1	3	2	55	.20	.105	11	25	.36	483	.04	2	1.67	.01	.05	1	80
14800E 21500N	1	12	19	74	.2	15	7	211	1.89	8	5	ND	3	32	1.5	2	2	35	.50	.064	14	21	.44	232	.05	2	1.03	.02	.04	1	50
14800E 21450N	1	13	8	53	.2	16	5	156	1.68	13	5	ND	3	18	.9	2	2	35	.28	.039	12	20	.32	245	.04	3	1.08	.01	.04	2	30
14800E 21400N	1	13	8	43	.1	15	4	120	1.42	7	5	ND	4	18	.8	2	2	29	.27	.054	14	15	.28	125	.05	4	.87	.01	.03	1	20
14800E 21350N	1	18	14	54	.2	18	6	148	1.60	8	5	ND	2	22	.3	2	2	30	.32	.054	14	18	.34	295	.04	3	1.01	.01	.03	1	30
14800E 21300N	1	19	14	61	.3	20	11	443	2.01	9	5	ND	3	28	.9	2	2	35	.47	.059	14	23	.40	316	.04	2	1.13	.01	.04	1	40
14800E 21250N	1	21	11	77	.2	20	7	252	2.16	10	5	ND	3	29	1.3	2	2	39	.44	.062	14	24	.46	313	.05	2	1.30	.02	.05	1	50
14800E 21200N	1	16	13	61	.1	22	8	237	2.08	8	5	ND	2	27	.8	2	2	45	.43	.057	13	26	.46	385	.05	2	1.54	.01	.04	1	50
14800E 21150N	1	24	15	79	.3	32	10	274	2.32	9	5	ND	3	32	1.0	2	2	49	.59	.062	15	34	.53	567	.05	2	1.77	.01	.04	1	60
14800E 21100N	1	20	12	69	.2	28	10	224	2.17	13	5	ND	3	28	.9	2	2	48	.46	.060	17	32	.49	462	.05	2	1.81	.01	.03	1	60
14800E 21050N	2	18	22	70	.3	22	8	193	2.22	10	5	ND	3	31	.7	2	2	55	.44	.067	13	32	.45	387	.06	3	1.86	.01	.04	1	90
14800E 21000N	1	19	13	64	.3	27	9	208	2.06	15	5	ND	2	31	.8	2	2	52	.35	.064	15	28	.42	502	.05	2	1.68	.01	.04	1	80
14800E 20950N	1	19	17	36	.4	15	6	195	1.45	7	5	ND	1	30	.6	2	2	50	.25	.071	14	24	.20	604	.03	2	1.70	.01	.04	1	60
14800E 20900N	1	12	12	50	.3	15	7	165	1.50	7	5	ND	4	30	.5	2	2	41	.26	.045	14	22	.33	370	.06	6	1.11	.01	.03	1	50
14800E 20850N	2	13	7	48	.3	20	6	148	1.77	13	5	ND	2	28	.4	2	2	52	.17	.042	12	24	.32	439	.03	2	1.45	.01	.03	1	60
14800E 20800N	2	13	11	57	.2	20	8	171	2.23	10	5	ND	2	19	1.5	2	2	51	.19	.048	12	27	.39	408	.04	4	1.77	.01	.03	1	50
14800E 20750N	1	14	18	56	.2	29	10	233	2.60	12	5	ND	3	19	1.5	2	3	66	.18	.028	12	35	.45	412	.05	2	2.36	.01	.03	1	30
14800E 20700N	1	13	4	79	.4	25	12	324	2.47	13	5	ND	4	11	.8	2	2	63	.12	.025	12	36	.39	431	.05	2	2.34	.01	.03	1	40
14800E 20650N	1	8	16	49	.5	18	7	207	2.30	8	5	ND	2	10	.9	2	3	67	.11	.037	11	23	.27	262	.04	4	1.88	.01	.03	1	30
14800E 20600N	2	17	11	40	.2	13	5	114	1.61	4	5	ND	4	19	.5	2	2	46	.09	.011	10	23	.27	387	.04	2	1.24	.01	.03	1	20
14800E 20550N	5	15	19	33	.6	10	3	77	1.31	7	5	ND	1	21	.4	2	2	61	.08	.026	7	15	.19	466	.03	2	.98	.01	.06	1	40
14800E 20500N	1	14	11	49	.6	11	5	119	2.19	11	5	ND	3	16	.8	2	2	50	.09	.024	11	22	.29	441	.04	2	1.57	.01	.06	1	80
14800E 20450N	1	10	9	35	.4	11	3	112	1.14	3	5	ND	1	29	.2	2	2	55	.15	.032	11	15	.26	499	.03	3	.99	.01	.04	1	30
14800E 20400N	3	18	23	36	.1	5	2	41	1.14	5	5	ND	3	53	.2	3	2	45	.05	.030	15	11	.11	697	.02	2	.70	.01	.04	1	20
14800E 20350N	2	20	12	62	.1	11	3	74	1.40	6	5	ND	3	16	.2	2	2	24	.07	.013	9	12	.19	434	.02	2	.64	.01	.04	1	30
14800E 20300N	2	7	3	36	.1	8	4	105	1.99	8	5	ND	3	14	.6	2	2	59	.10	.025	10	17	.25	350	.03	2	1.26	.01	.04	1	40
14800E 20250N	1	15	14	39	.4	7	3	88	1.65	4	5	ND	3	16	.6	2	2	47	.12	.015	11	21	.22	373	.04	4	1.55	.01	.04	1	30
14800E 20200N	1	8	12	35	.1	12	3	93	1.08	5	5	ND	2	13	.2	2	2	23	.12	.018	11	13	.26	217	.03	2	.94	.01	.05	1	30
14800E 20150N	10	14	19	14	1.1	6	2	26	1.14	11	5	ND	1	94	.2	3	2	54	.06	.069	9	8	.06	773	.01	3	.49	.01	.11	1	40
14800E 20100N	1	12	9	22	.1	6	2	57	1.01	2	5	ND	2	32	.2	2	2	23	.08	.015	11	13	.17	256	.02	2	.63	.01	.06	1	50
14800E 20050N	1	7	14	34	.1	11	4	138	1.58	5	5	ND	3	11	.2	2	2	39	.09	.011	10	18	.29	165	.05	2	1.08	.01	.03	2	10
14800E 20000N	1	12	12	30	.1	7	2	76	1.27	2	5	ND	5	20	.2	2	3	25	.07	.011	11	13	.21	207	.03	4	.76	.01	.05	1	10
STANDARD C	18	63	36	135	7.5	72	30	1018	3.88	44	17	8	36	51	18.8	15	19	55	.50	.093	37	60	.85	181	.07	36	1.91	.06	.14	12	1500

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: Soil -80 Mesh HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: JUL 10 1990 **DATE REPORT MAILED:** July 13/90 **SIGNED BY** ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

AMPLE#	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	Hg ppb
14800E 19950N	1	11	10	37	.1	11	4	133	1.56	8	5	ND	3	12	.2	2	3	30	.09	.014	10	16	.31	162	.04	2	.94	.01	.06	1	10
14800E 19900N	1	10	14	52	.3	13	8	251	1.79	12	5	ND	2	13	.2	2	2	36	.10	.022	11	19	.31	208	.04	2	1.11	.01	.05	1	20
14800E 19850N	1	13	9	40	.1	14	6	173	1.80	11	5	ND	3	16	.4	2	3	36	.12	.018	10	21	.33	305	.04	2	1.23	.01	.07	1	30
14800E 19800N	1	20	9	55	.1	19	6	152	2.37	12	5	ND	2	21	.2	2	2	42	.18	.031	11	24	.42	286	.04	2	1.35	.02	.08	1	40
14800E 19750N	1	11	7	36	.1	12	4	171	1.62	8	5	ND	3	19	.2	2	2	36	.17	.019	11	19	.31	335	.05	2	1.09	.02	.05	1	5
14800E 19700N	1	14	10	40	.3	13	5	165	1.88	9	5	ND	2	21	.2	2	2	36	.17	.025	10	20	.34	301	.04	2	1.10	.02	.07	1	20
14800E 19650N	1	15	10	35	.1	12	5	136	1.86	9	5	ND	5	27	.2	2	2	34	.19	.024	14	22	.38	350	.06	2	1.13	.02	.08	1	10
14800E 19600N	1	14	11	54	.2	16	7	234	2.08	13	5	ND	3	30	.2	2	2	42	.31	.042	14	25	.39	465	.04	4	1.45	.02	.07	1	30
14800E 19550N	1	57	23	95	.6	47	19	636	3.83	19	7	ND	3	77	1.9	2	2	65	.93	.110	30	44	.44	1487	.02	3	3.93	.01	.09	1	70
14800E 19500N	1	14	9	52	.1	18	8	220	1.86	12	5	ND	4	32	.2	2	3	36	.48	.071	13	26	.41	337	.05	2	1.23	.01	.04	1	30
15000E 21650N	8	32	30	106	.6	27	7	113	1.79	32	5	ND	1	56	.4	7	2	62	.27	.081	19	28	.16	1040	.01	5	1.24	.01	.11	1	2200
15000E 21600N	11	28	25	47	.2	9	3	37	1.85	30	5	ND	1	32	.6	4	2	58	.06	.041	7	12	.06	530	.01	9	.78	.01	.14	1	2500
15000E 21550N	6	18	14	70	.3	16	10	175	1.55	23	5	ND	2	41	.2	2	2	58	.15	.035	10	18	.18	1105	.03	4	.94	.01	.06	1	860
15000E 21500N	17	16	34	63	.5	15	4	73	1.80	40	5	ND	1	66	.2	8	2	63	.06	.055	7	16	.11	651	.01	5	1.04	.01	.10	1	1400
15000E 21450N	3	42	25	123	.1	37	21	241	2.93	24	5	ND	5	27	1.1	2	2	72	.10	.041	17	29	.36	333	.04	2	1.68	.01	.05	1	960
15000E 21400N	1	14	12	70	.1	23	8	181	2.49	15	5	ND	3	13	.2	2	2	49	.11	.022	12	28	.40	239	.04	2	1.70	.01	.04	1	40
15000E 21350N	1	14	17	50	.2	15	6	140	1.87	8	5	ND	3	21	.2	2	2	51	.14	.028	13	24	.37	212	.04	2	1.59	.01	.04	1	130
15000E 21300N	3	14	28	30	.1	7	3	43	1.12	7	5	ND	3	91	.2	3	2	60	.04	.061	12	14	.07	717	.04	4	.94	.01	.05	1	160
15000E 21250N	2	15	24	44	.4	16	5	90	1.65	12	5	ND	2	38	.2	2	2	49	.16	.050	13	20	.24	389	.04	3	1.33	.01	.05	1	260
15000E 21200N	5	44	20	230	1.0	56	10	106	5.55	33	5	ND	1	42	.9	3	3	74	.17	.155	15	23	.12	603	.03	2	1.60	.01	.06	1	180
15000E 21150N	1	19	11	67	.3	20	9	202	1.94	10	5	ND	3	31	.2	2	2	40	.33	.069	16	26	.38	407	.04	2	1.37	.01	.04	1	120
15000E 21100N	1	24	6	67	.3	25	8	173	2.10	12	5	ND	1	35	.2	2	2	43	.42	.066	14	28	.43	454	.04	2	1.52	.01	.05	1	100
15000E 21050N	1	22	11	64	.2	23	8	155	2.04	13	5	ND	1	27	.2	2	2	40	.28	.064	15	27	.38	408	.03	3	1.54	.01	.04	1	90
15000E 21000N	1	22	9	67	.1	23	9	181	1.85	9	5	ND	3	29	.2	2	2	38	.34	.065	17	27	.44	441	.05	2	1.47	.01	.04	1	80
15000E 20950N	1	18	6	53	.3	16	7	144	1.82	5	5	ND	4	34	.2	2	2	42	.28	.070	16	24	.39	394	.05	2	1.32	.01	.05	1	130
15000E 20900N	1	13	7	52	.2	15	6	148	1.79	11	5	ND	4	26	.2	2	2	43	.20	.056	15	23	.37	294	.05	3	1.27	.01	.04	1	70
15000E 20850N	1	20	8	44	.2	14	4	110	1.55	12	5	ND	3	31	.2	2	2	32	.15	.050	13	17	.29	322	.05	2	.97	.01	.06	1	90
15000E 20800N	2	17	9	46	.2	11	3	96	1.53	11	5	ND	1	37	.2	2	3	39	.10	.035	12	16	.23	389	.04	3	.95	.01	.07	1	100
15000E 20750N	1	17	16	54	.4	19	6	140	1.80	14	5	ND	3	31	.2	4	2	47	.17	.057	15	25	.35	384	.05	8	1.38	.01	.05	1	90
15000E 20700N	3	55	31	70	1.8	46	12	166	3.27	19	5	ND	1	58	.9	2	4	75	.32	.196	15	34	.26	1275	.02	2	3.28	.01	.08	1	200
15000E 20650N	1	38	17	52	.5	24	10	276	1.98	8	5	ND	1	38	.2	2	2	53	.22	.060	14	32	.29	730	.04	2	1.96	.01	.06	1	50
15000E 20600N	1	15	14	35	.3	10	3	69	.94	6	5	ND	1	44	.2	2	2	33	.11	.041	13	15	.13	651	.03	4	.82	.01	.05	1	30
15000E 20550N	1	16	5	38	.1	14	6	147	1.83	8	5	ND	3	17	.2	2	2	39	.12	.015	11	21	.34	368	.05	2	1.24	.01	.04	1	10
15000E 20500N	1	14	10	34	.2	10	3	77	1.38	10	5	ND	4	19	.2	2	2	31	.08	.013	11	17	.24	782	.04	2	.90	.01	.05	1	10
15000E 20450N	1	23	12	35	.2	12	3	73	1.45	10	5	ND	3	21	.2	2	2	30	.12	.023	10	18	.24	727	.02	2	.96	.01	.08	1	40
15000E 20400N	1	21	11	31	.3	9	3	55	1.03	11	5	ND	3	17	.2	2	2	21	.09	.020	10	15	.18	508	.02	6	.65	.01	.07	1	50
STANDARD C	18	63	39	131	7.1	68	31	967	3.87	43	19	8	37	52	18.0	16	22	56	.41	.099	36	57	.80	180	.08	37	1.72	.07	.13	14	1500

AMPLE#	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	Hg ppb
15000E 20350N	3	21	12	36	.1	8	3	85	1.65	14	5	ND	3	19	.5	2	2	31	.08	.012	10	15	.19	322	.02	6	.75	.01	.04	1	20
15000E 20300N	6	19	24	20	1.6	2	1	26	.87	8	5	ND	1	32	.7	5	2	39	.07	.043	6	12	.07	741	.01	2	.64	.01	.09	1	40
15000E 20200N	8	11	19	60	.9	11	6	121	3.08	18	5	ND	4	30	1.0	2	2	99	.15	.044	16	26	.34	654	.06	2	1.71	.01	.09	1	110
15000E 20150N	3	17	21	32	.1	8	4	89	1.79	8	5	ND	2	39	.2	2	2	35	.16	.023	14	19	.28	425	.03	2	1.01	.01	.07	2	90
15000E 20100N	1	13	16	36	.1	8	4	95	1.78	10	5	ND	5	26	.2	2	2	31	.11	.013	14	17	.27	258	.03	4	1.03	.01	.05	1	30
15000E 20050N	1	9	20	47	.1	15	8	172	2.61	10	5	ND	4	17	.5	2	2	57	.15	.012	15	27	.38	250	.07	2	1.86	.01	.03	2	30
15000E 20000N	1	9	18	36	.1	8	5	146	1.99	10	5	ND	3	17	.2	2	2	49	.13	.011	15	21	.26	224	.06	8	1.29	.01	.03	1	20
15000E 19950N	1	14	13	48	.1	11	8	247	2.56	10	5	ND	4	19	.2	2	3	51	.15	.014	14	29	.42	267	.06	4	1.78	.01	.03	1	20
15000E 19850N	1	23	13	72	.1	23	9	232	3.03	9	5	ND	5	34	.2	2	2	52	.28	.028	16	34	.54	417	.06	2	1.97	.01	.05	1	30
15000E 19800N	1	17	18	55	.2	17	11	420	2.72	11	5	ND	4	29	.6	2	2	51	.21	.033	16	30	.39	362	.06	2	1.71	.01	.04	1	10
15000E 19750N	1	20	14	47	.1	16	7	220	2.57	11	5	ND	5	34	.2	2	4	45	.30	.027	18	30	.45	422	.06	2	1.72	.01	.04	2	10
15000E 19700N	1	30	16	65	.1	25	10	308	3.04	12	5	ND	6	39	.4	2	2	51	.42	.035	21	35	.55	499	.07	2	1.94	.02	.05	2	30
15000E 19650N	1	42	19	90	.3	31	11	439	3.53	8	5	ND	1	66	1.1	2	2	61	.65	.064	22	40	.54	965	.03	2	3.04	.02	.08	1	40
15000E 19600N	1	40	21	78	.3	35	10	337	3.61	10	5	ND	2	72	.2	2	2	59	.87	.060	22	41	.54	836	.05	9	2.93	.02	.06	2	80
15000E 19500N	1	35	9	63	.2	28	11	445	2.97	10	5	ND	3	67	.2	2	2	48	.96	.068	17	32	.54	589	.05	2	1.94	.02	.05	1	50
15200E 21750N	5	27	9	162	.3	32	11	511	3.35	105	5	ND	3	32	.6	38	2	65	.23	.045	16	32	.35	2010	.03	6	1.78	.01	.09	4	120
15200E 21700N	6	26	17	191	.1	47	10	279	3.39	174	5	ND	4	38	.2	97	2	55	.25	.041	19	35	.42	1356	.04	10	1.53	.01	.09	1	140
15200E 21400N	1	9	22	108	.1	12	5	186	2.18	10	5	ND	1	12	.8	3	2	43	.07	.038	17	18	.11	287	.02	2	1.01	.01	.05	1	90
15200E 21350N	6	27	16	261	.1	58	13	266	3.95	111	5	ND	1	96	.2	8	2	38	.04	.087	13	15	.07	565	.01	3	.80	.01	.09	1	540
15200E 21300N	6	31	20	105	.2	14	9	234	3.73	33	5	ND	4	59	.3	4	2	63	.16	.066	19	20	.20	784	.02	2	1.23	.01	.06	1	520
15200E 21200N	5	29	10	99	.1	17	5	82	2.35	16	5	ND	3	43	.8	2	2	30	.09	.031	8	15	.14	765	.01	3	.85	.01	.07	1	150
15200E 21150N	4	21	12	108	.1	17	6	122	3.06	12	5	ND	2	45	.2	3	2	53	.12	.038	13	18	.21	474	.02	7	.99	.01	.05	1	100
15200E 21100N	2	11	8	50	.3	10	4	88	2.00	8	5	ND	2	25	.2	2	2	46	.15	.027	13	19	.26	396	.03	2	1.15	.01	.04	1	130
15200E 21050N	3	23	10	104	.2	16	6	60	4.39	13	5	ND	2	33	.2	2	2	55	.18	.059	11	21	.22	546	.02	5	1.40	.01	.05	1	280
15200E 21000N	3	21	9	74	.1	12	5	122	2.94	13	5	ND	3	39	.2	2	2	39	.13	.037	12	20	.27	565	.03	6	1.15	.01	.05	1	80
15200E 20950N	7	23	18	48	.3	9	6	252	2.44	12	5	ND	1	70	.2	3	2	56	.14	.076	11	21	.19	674	.02	5	1.13	.01	.07	1	100
15200E 20900N	6	42	19	53	.9	11	5	107	2.97	9	5	ND	1	62	.2	2	2	65	.16	.086	12	25	.24	733	.02	6	1.55	.01	.07	1	300
15200E 20850N	4	34	20	65	.9	12	5	123	2.61	8	5	ND	1	61	.2	3	2	54	.27	.140	12	26	.27	737	.02	5	1.74	.01	.07	2	330
15200E 20800N	5	19	11	43	.2	9	4	83	2.31	15	5	ND	3	52	.2	2	2	52	.21	.088	12	20	.25	586	.04	2	1.38	.01	.06	2	50
15200E 20750N	2	14	7	64	.7	16	8	219	2.49	9	5	ND	3	44	.2	2	2	52	.28	.071	14	30	.39	669	.04	2	1.94	.01	.06	1	150
15200E 20700N	1	20	8	68	.2	17	6	150	2.47	8	5	ND	4	29	.2	2	2	43	.28	.051	16	29	.42	509	.05	7	1.74	.01	.05	1	60
15200E 20650N	2	27	6	83	.1	17	6	192	2.67	12	5	ND	4	37	.5	2	2	42	.41	.057	19	27	.42	657	.06	2	1.49	.01	.05	1	40
15200E 20600N	1	24	11	62	.1	16	6	180	2.39	6	5	ND	5	29	.2	2	2	41	.31	.044	18	26	.41	462	.07	2	1.41	.01	.04	1	40
15200E 20550N	1	19	4	55	.1	16	8	176	2.39	4	5	ND	5	23	.2	2	2	40	.24	.043	17	26	.42	259	.06	2	1.52	.01	.04	1	30
15200E 20500N	2	15	4	53	.1	15	6	113	2.29	10	5	ND	4	20	.2	2	2	41	.23	.049	14	25	.39	320	.05	2	1.60	.01	.04	1	30
15200E 20450N	2	13	8	49	.1	9	4	83	1.86	9	5	ND	4	25	.2	2	2	37	.10	.022	15	19	.24	281	.04	3	1.14	.01	.04	3	20
STANDARD C	18	57	38	132	7.2	69	28	1028	4.11	39	22	7	37	52	18.4	15	20	55	.52	.097	37	60	.93	179	.07	33	1.96	.05	.14	11	1200

MPLE#	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	Hg ppb
5200E 20400N	3	28	13	55	.1	14	4	82	2.19	11	5	ND	2	31	.2	2	2	37	.13	.024	10	19	.24	722	.02	2	1.18	.01	.07	1	60
5200E 20350N	13	3	12	12	.1	3	1	18	.77	9	5	ND	1	11	.3	3	2	39	.03	.010	3	8	.07	332	.01	2	.63	.01	.06	1	40
5200E 20300N	7	13	20	31	1.3	7	3	35	2.95	14	5	ND	2	79	.2	4	2	63	.05	.081	6	14	.10	420	.01	3	.71	.01	.22	1	80
5200E 20250N	10	37	25	50	2.1	15	4	58	2.36	9	5	ND	3	218	2.0	12	2	102	.15	.128	10	16	.14	785	.02	10	.76	.01	.21	1	140
5200E 20200N	2	8	9	31	.5	8	4	100	1.76	9	5	ND	3	22	.2	2	2	74	.13	.022	13	20	.27	289	.05	2	1.25	.01	.04	1	40
5200E 20150N	4	14	17	50	.5	19	7	140	2.90	9	5	ND	3	49	.2	3	2	84	.11	.049	9	28	.32	773	.03	2	1.76	.01	.09	1	50
5200E 20100N	8	40	15	84	2.8	43	9	183	3.13	43	5	ND	1	112	.3	11	2	156	.55	.188	8	33	.22	2524	.01	8	2.18	.01	.18	1	660
5200E 20000N	2	20	7	59	.1	17	6	122	2.24	8	5	ND	1	26	.2	2	2	43	.26	.059	17	27	.40	403	.04	2	1.50	.01	.06	1	40
5200E 19950N	1	16	24	59	.1	20	9	185	2.93	11	5	ND	4	15	.2	2	2	47	.12	.018	14	30	.47	291	.06	4	1.91	.01	.04	1	20
5200E 19900N	1	15	11	54	.1	17	8	199	2.72	8	5	ND	4	17	.2	2	2	50	.14	.016	14	32	.42	274	.06	2	1.86	.01	.04	1	10
5200E 19850N	1	18	14	43	.1	18	7	139	2.26	5	5	ND	4	21	.2	2	3	45	.10	.017	16	25	.30	256	.05	2	1.51	.01	.04	2	20
5200E 19800N	1	16	13	38	.1	13	6	177	2.03	7	5	ND	4	21	.2	2	3	44	.12	.014	16	22	.29	303	.06	2	1.41	.01	.03	1	20
5200E 19750N	1	12	24	47	.2	15	12	371	2.33	11	5	ND	3	18	.2	2	2	47	.13	.016	13	23	.30	274	.06	2	1.23	.01	.04	1	10
5200E 19700N	1	14	9	45	.1	14	6	176	1.92	7	5	ND	4	22	.2	2	2	33	.16	.018	14	23	.33	254	.05	2	1.20	.01	.04	1	20
5200E 19650N	1	34	20	71	.1	27	13	442	2.94	10	5	ND	5	39	.2	2	2	48	.38	.043	19	30	.46	495	.07	2	1.65	.02	.06	1	50
5200E 19600N	1	22	13	71	.1	20	7	184	2.63	6	5	ND	4	36	.2	2	3	50	.41	.048	16	30	.50	512	.06	4	1.70	.02	.07	1	40
5200E 19550N	1	31	18	81	.2	28	11	332	2.86	10	5	ND	5	37	.2	2	2	47	.46	.060	19	31	.56	536	.07	2	1.72	.02	.06	1	30
5200E 19500N	1	51	17	78	.2	29	9	311	2.75	9	5	ND	4	49	.6	2	2	49	.68	.037	19	32	.51	604	.06	4	1.97	.02	.08	1	40
5400E 21750N	8	19	27	330	.2	41	14	835	3.54	83	5	ND	6	52	2.1	21	2	53	.34	.045	21	43	.33	1385	.04	5	1.31	.01	.12	1	120
5400E 21650N	1	18	14	83	.2	21	8	281	2.20	7	5	ND	3	41	.2	3	4	40	.46	.066	16	28	.42	709	.05	4	1.30	.02	.05	2	140
5400E 21600N	2	29	16	88	.3	26	11	346	2.68	9	5	ND	4	44	.2	2	2	46	.53	.062	16	29	.56	841	.07	2	1.60	.02	.06	1	90
5400E 21550N	2	33	11	91	.2	31	12	277	3.13	19	5	ND	3	65	.2	2	2	56	.47	.057	15	35	.69	1308	.08	2	1.89	.03	.06	1	280
5400E 21500N	5	13	16	59	.1	22	9	155	2.63	13	5	ND	3	40	.3	2	2	48	.10	.015	11	23	.39	1572	.03	2	1.39	.01	.05	1	80
5400E 21350N	2	15	19	62	.1	20	6	120	2.40	13	5	ND	4	17	.2	3	3	45	.09	.013	13	23	.30	424	.03	3	1.35	.01	.04	1	40
5400E 21300N	10	10	18	109	.2	14	6	118	2.50	22	5	ND	2	44	1.3	2	4	67	.05	.024	8	13	.10	1002	.01	3	.80	.01	.10	1	80
5400E 20650N	1	16	17	72	.4	15	5	106	2.14	7	5	ND	2	23	.2	3	6	38	.26	.064	15	21	.37	423	.03	2	1.39	.01	.04	1	70
5400E 20600N	2	18	6	88	.3	16	4	103	2.10	9	5	ND	3	21	.2	2	2	45	.12	.026	11	20	.26	574	.02	3	1.18	.01	.05	1	20
5400E 20550N	1	23	19	81	.2	22	6	116	2.41	5	5	ND	2	21	.2	2	2	43	.21	.051	15	26	.34	261	.04	3	1.83	.01	.06	2	80
5400E 20500N	2	27	13	100	.5	21	6	148	2.24	20	5	ND	2	33	.2	3	4	45	.20	.044	17	28	.34	335	.05	2	1.38	.01	.05	1	70
5400E 20450N	1	20	18	186	.2	26	7	141	2.61	20	5	ND	1	17	.2	3	2	49	.14	.048	15	29	.41	292	.03	5	1.69	.01	.04	1	30
5400E 20400N	3	17	18	118	.2	26	9	181	3.50	21	5	ND	3	17	.2	5	2	61	.08	.043	13	26	.26	308	.02	4	1.81	.01	.06	1	10
5400E 20350N	1	18	15	28	.1	7	3	20	.99	7	5	ND	2	41	.4	2	4	21	.06	.019	6	10	.07	416	.01	6	.94	.01	.08	1	10
5400E 20300N	1	19	12	56	.2	16	5	38	1.66	5	5	ND	5	25	.2	2	2	14	.04	.017	7	10	.09	189	.01	5	.52	.01	.07	1	20
5400E 20250N	1	15	5	46	.1	14	5	75	1.59	4	5	ND	3	22	.2	2	2	24	.16	.029	12	18	.28	199	.04	8	.98	.01	.06	1	30
5400E 20200N	1	19	16	51	.3	26	8	163	2.51	8	5	ND	5	14	.2	2	3	43	.10	.015	13	40	.40	235	.05	2	1.62	.01	.04	2	10
5400E 20150N	7	40	28	167	.2	26	9	138	2.76	32	5	ND	6	63	.2	7	3	74	.12	.078	28	24	.26	495	.04	3	1.21	.01	.08	1	40
ANDARD C	19	59	41	132	7.3	73	31	1027	4.11	43	20	7	37	53	18.6	16	21	56	.52	.098	37	61	.93	181	.07	36	1.98	.06	.14	11	1600

AMPLE#	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	Hg ppb
15400E 20100N	4	25	22	104	.1	16	5	89	1.58	11	5	ND	3	42	.5	2	3	35	.10	.031	17	16	.19	439	.02	7	.84	.01	.09	1	50
15400E 20050N	1	9	5	43	.1	10	4	92	1.53	7	5	ND	3	14	.2	2	5	38	.09	.018	12	16	.26	186	.03	5	.95	.01	.05	1	10
15400E 20000N	1	12	13	64	.2	11	5	160	1.93	6	5	ND	4	23	.2	2	2	45	.11	.021	15	18	.21	317	.04	6	1.30	.01	.04	1	20
15400E 19950N	1	15	4	61	.1	21	10	189	2.50	14	5	ND	4	11	.6	2	2	50	.09	.016	12	26	.38	234	.05	7	1.81	.01	.05	1	40
15400E 19900N	1	11	16	45	.1	12	4	161	1.16	9	5	ND	3	46	.4	2	2	30	.06	.031	14	10	.12	298	.03	5	.71	.01	.05	1	20
15400E 19850N	1	13	13	47	.1	16	6	144	1.90	11	5	ND	4	15	.2	2	2	44	.12	.017	13	22	.33	304	.04	2	1.32	.01	.05	1	30
15400E 19800N	1	24	9	71	.1	23	7	139	1.74	6	5	ND	3	20	.2	2	3	27	.11	.024	12	15	.20	482	.02	7	.91	.01	.08	1	20
15400E 19750N	1	19	7	55	.1	19	7	160	2.28	9	5	ND	4	16	.6	2	2	45	.14	.017	11	28	.42	286	.05	2	1.60	.01	.04	1	20
15400E 19700N	1	11	11	73	.1	17	8	161	1.92	6	5	ND	3	14	.2	2	2	38	.10	.025	12	22	.29	180	.03	2	1.24	.01	.06	1	10
15400E 19650N	1	19	7	73	.1	18	9	430	2.28	6	5	ND	4	28	.5	2	2	44	.25	.024	13	28	.50	338	.07	4	1.49	.02	.06	1	50
15400E 19600N	1	21	12	78	.1	30	11	446	2.48	8	5	ND	4	27	.6	2	2	46	.34	.047	13	30	.50	529	.05	4	1.68	.02	.07	1	20
15400E 16550N	1	11	18	51	.2	21	7	188	2.30	7	5	ND	3	20	.4	2	2	45	.17	.025	13	20	.27	341	.03	2	1.40	.01	.04	1	10
15400E 16500N	1	18	9	51	.1	19	7	158	2.28	5	5	ND	4	19	.2	2	2	44	.18	.013	11	27	.41	355	.05	2	1.63	.01	.05	1	230
15600E 21750N	1	21	9	101	.2	22	9	246	2.60	19	5	ND	4	19	.2	2	2	54	.15	.038	16	36	.37	547	.05	5	1.62	.01	.05	1	80
15600E 21700N	1	17	12	157	.1	24	8	229	2.30	27	5	ND	2	73	1.7	2	2	51	.20	.079	18	25	.32	569	.03	6	1.18	.01	.11	1	70
15600E 21650N	5	67	21	448	.4	106	23	269	5.18	76	5	ND	5	102	2.7	18	2	146	.32	.070	19	223	1.75	919	.23	9	2.26	.02	.47	1	180
15600E 21600N	1	14	2	82	.2	15	3	123	.26	2	5	ND	1	204	.2	2	2	5	5.25	.054	2	7	.11	1374	.01	21	.19	.02	.02	1	70
15600E 21500N	1	18	13	75	.2	21	7	177	1.82	6	5	ND	4	35	.2	2	2	32	.45	.058	14	24	.44	400	.05	3	1.13	.02	.05	1	50
15600E 21350N	1	25	11	72	.1	26	8	210	2.15	8	5	ND	4	25	.2	2	2	41	.30	.051	13	25	.45	285	.06	2	1.34	.02	.08	1	20
15600E 21300N	1	19	5	67	.1	19	6	135	1.68	2	5	ND	1	23	.2	2	2	36	.28	.045	12	23	.35	284	.04	7	1.20	.01	.07	1	20
15600E 21250N	1	20	6	67	.1	19	8	180	1.90	7	5	ND	4	24	.2	2	2	37	.29	.048	13	25	.42	328	.06	7	1.19	.02	.07	2	10
15600E 21200N	1	14	9	84	.2	15	5	123	1.78	6	5	ND	3	25	.4	2	2	36	.19	.040	13	21	.33	384	.04	5	1.11	.01	.06	1	20
15600E 21100N	2	19	2	57	.7	20	5	112	1.93	12	5	ND	4	34	.2	2	2	52	.20	.061	12	20	.34	546	.03	10	1.17	.01	.07	1	90
15600E 20950N	5	22	16	112	2.3	13	5	180	2.14	8	5	ND	1	69	1.1	5	2	66	.44	.190	8	15	.16	1507	.01	2	.96	.01	.10	1	180
15600E 20900N	4	15	7	20	.3	6	2	53	.71	2	5	ND	1	28	.2	2	2	41	.11	.024	9	13	.06	414	.02	2	.62	.01	.05	2	70
15600E 20850N	1	16	15	59	.7	18	7	181	2.82	10	5	ND	4	16	.3	2	2	63	.08	.038	13	27	.34	266	.04	3	2.08	.01	.07	1	100
15600E 20800N	3	18	15	42	.8	17	5	96	1.63	11	5	ND	2	25	.2	2	2	64	.14	.052	12	22	.21	617	.02	3	1.44	.01	.05	2	380
15600E 20750N	7	6	31	35	1.3	9	2	36	.84	12	5	ND	2	109	2.2	5	2	92	.05	.063	8	18	.07	749	.01	6	.82	.01	.08	1	120
15600E 20700N	1	12	15	61	.1	21	7	140	2.04	5	5	ND	2	19	.2	2	2	49	.10	.027	10	23	.34	344	.03	3	1.53	.01	.05	1	190
15600E 20600N	2	17	9	71	.2	15	5	99	1.94	10	5	ND	3	20	.2	2	2	37	.06	.018	9	18	.26	253	.02	3	1.10	.01	.05	1	20
15600E 20550N	2	24	25	66	.2	13	4	126	1.58	19	5	ND	2	29	1.0	4	2	45	.13	.053	12	25	.25	464	.02	7	1.17	.01	.08	1	110
15600E 20500N	1	27	21	122	.1	33	10	603	2.60	10	5	ND	4	24	.7	3	2	33	.14	.031	13	29	.35	312	.04	4	1.12	.01	.07	1	80
15600E 20450N	1	11	13	38	.1	6	3	72	1.37	3	5	ND	3	41	.2	2	2	19	.02	.028	14	4	.06	271	.01	2	.55	.01	.07	1	20
15600E 20400N	1	13	11	39	.1	9	4	73	1.37	8	5	ND	2	17	.2	2	4	24	.07	.017	9	12	.18	217	.02	2	.81	.01	.07	2	30
15600E 20350N	3	8	25	23	.2	5	2	37	1.23	18	5	ND	4	18	.2	5	2	15	.03	.012	7	7	.09	198	.01	3	.56	.01	.11	2	20
15600E 20300N	1	7	11	28	.2	9	4	74	1.20	7	5	ND	3	9	.2	2	2	30	.06	.009	12	12	.15	108	.05	3	.76	.01	.04	2	10
TANDARD C	18	63	38	134	7.7	73	31	1038	3.93	42	18	8	37	53	18.7	16	19	55	.52	.096	38	61	.86	180	.07	40	1.93	.07	.13	11	1300

MPLE#	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	Hg ppb
15600E 20250N	1	9	26	40	.1	6	3	62	1.49	14	5	ND	3	13	.4	3	3	26	.06	.016	8	6	.08	159	.02	3	.53	.01	.07	1	60
15600E 20200N	1	6	10	28	.2	11	2	73	1.02	7	5	ND	3	12	.3	2	3	27	.11	.010	13	14	.22	160	.04	5	.78	.01	.04	1	50
15600E 20150N	1	6	15	33	.3	8	2	76	.91	6	5	ND	3	12	.9	2	2	29	.12	.009	15	15	.18	177	.05	3	.81	.01	.04	1	5
15600E 20100N	1	11	6	32	.1	10	3	55	.90	4	5	ND	2	11	.6	2	2	26	.07	.016	11	9	.08	188	.02	5	.75	.01	.04	2	5
15600E 20050N	1	15	11	40	.2	20	8	351	1.91	4	5	ND	2	18	.6	2	2	37	.12	.034	13	22	.29	360	.02	2	1.22	.01	.06	1	5
15600E 20000N	4	51	45	123	2.0	49	9	401	3.05	18	5	ND	3	107	1.6	7	2	49	.59	.091	19	25	.30	1327	.01	6	1.74	.01	.22	1	540
15600E 19950N	4	54	34	93	1.2	31	6	108	3.08	22	5	ND	3	57	.9	2	2	84	.18	.100	17	29	.21	2003	.01	6	2.49	.01	.22	1	510
15600E 19850N	3	37	31	106	1.1	32	5	69	2.58	13	5	ND	1	60	2.0	2	2	49	.40	.116	16	26	.20	1200	.01	4	2.34	.01	.15	1	260
15600E 19800N	1	18	17	68	.3	16	5	165	1.90	5	5	ND	3	34	.8	2	2	45	.22	.045	19	25	.31	474	.04	3	1.28	.01	.07	1	40
15600E 19750N	1	19	8	46	.1	13	4	131	1.72	5	5	ND	4	28	.6	2	2	34	.16	.030	15	21	.32	293	.04	2	1.18	.01	.07	1	20
15600E 19700N	1	25	19	53	.1	17	4	127	1.85	8	5	ND	3	50	.2	2	2	44	.15	.041	27	22	.29	680	.03	2	1.29	.01	.10	1	10
15600E 19650N	1	11	12	52	.1	15	5	331	1.68	6	5	ND	4	22	.4	2	2	44	.11	.029	18	20	.27	257	.04	3	1.04	.01	.07	1	5
15600E 19600N	1	5	11	41	.2	6	2	101	1.02	3	5	ND	2	17	.5	2	2	30	.16	.029	14	12	.14	221	.05	2	.81	.01	.04	1	10
15600E 19550N	1	12	6	40	.3	17	5	192	1.76	7	5	ND	1	19	.2	2	2	37	.13	.030	15	19	.24	226	.04	4	.89	.01	.06	2	10
15600E 19500N	1	11	12	55	.2	14	6	184	2.10	2	5	ND	4	21	.4	2	2	42	.17	.021	16	21	.31	339	.04	3	1.36	.01	.06	1	20
15800E 21750N	1	19	14	142	.1	31	13	770	2.55	17	5	ND	4	20	1.1	3	2	85	.17	.049	15	46	.42	699	.05	2	1.92	.01	.05	1	930
15800E 21700N	1	19	18	196	.3	32	10	661	2.38	13	5	ND	2	28	1.4	2	2	53	.26	.066	13	32	.42	1092	.04	5	1.68	.01	.07	1	90
15800E 21600N	6	15	19	215	.6	22	9	326	2.16	12	5	ND	3	55	2.4	3	2	63	.24	.027	10	22	.20	1500	.02	4	1.25	.01	.07	1	40
15800E 21550N	3	17	11	51	.2	19	5	129	1.86	6	5	ND	1	34	.9	3	3	57	.16	.049	11	24	.31	704	.03	2	1.28	.01	.05	1	50
15800E 21500N	10	31	28	209	.7	25	7	335	2.91	24	5	ND	1	229	4.6	9	2	135	.18	.076	19	25	.24	1341	.02	8	1.27	.02	.13	1	60
15800E 21450N	5	24	21	144	.4	32	7	216	2.79	14	5	ND	3	73	2.3	4	2	86	.20	.033	20	31	.40	1685	.04	4	1.46	.01	.08	1	170
15800E 21400N	1	23	9	78	.2	25	10	1113	2.63	10	5	ND	3	55	.4	2	2	42	.89	.073	15	30	.55	586	.05	4	1.55	.02	.05	1	60
15800E 21250N	1	22	5	64	.1	20	6	139	1.97	4	5	ND	1	35	.4	2	2	35	.41	.054	13	27	.41	417	.05	2	1.36	.02	.08	1	50
15800E 21200N	1	32	16	94	.2	29	8	282	2.84	12	5	ND	5	40	.4	2	2	50	.52	.063	18	34	.62	467	.08	7	1.67	.03	.09	1	40
15800E 21150N	1	28	8	88	.3	23	7	218	2.36	7	5	ND	5	33	.8	2	2	43	.44	.066	18	31	.58	399	.07	3	1.60	.02	.05	1	40
15800E 21100N	1	31	13	83	.2	27	6	193	2.25	5	5	ND	4	38	.7	2	2	41	.45	.065	18	32	.54	667	.06	2	1.66	.02	.06	1	140
15800E 21000N	2	27	16	77	.6	20	6	159	2.29	9	5	ND	3	36	.4	2	2	49	.34	.065	17	31	.45	406	.06	12	1.70	.02	.06	1	120
15800E 20900N	2	15	8	31	.4	11	4	111	1.44	3	5	ND	1	37	.2	2	2	38	.19	.053	14	19	.25	421	.03	2	1.09	.01	.06	1	140
15800E 20850N	1	18	11	32	.5	13	4	106	1.38	7	5	ND	3	46	.2	2	2	35	.19	.054	15	20	.27	474	.04	2	.93	.01	.05	1	160
15800E 20800N	2	10	16	27	.4	11	3	71	1.43	8	5	ND	2	54	.2	2	2	42	.10	.052	12	17	.20	497	.03	2	.90	.01	.07	2	80
15800E 20750N	2	12	13	45	.5	14	6	157	2.40	12	5	ND	3	17	.2	2	2	63	.13	.044	13	27	.36	429	.04	2	1.74	.01	.04	1	100
15800E 20700N	4	9	17	24	.5	11	3	74	1.58	15	5	ND	2	32	.3	2	2	47	.05	.027	8	14	.16	437	.02	4	.88	.01	.07	1	150
15800E 20650N	1	5	22	15	.8	1	1	12	.75	6	5	ND	1	100	.3	4	2	33	.02	.053	6	12	.03	1219	.01	8	.63	.01	.10	1	40
15800E 20600N	1	8	10	28	.3	6	2	63	1.20	13	5	ND	3	19	.3	3	2	35	.07	.014	11	11	.10	221	.03	2	.82	.01	.04	1	10
15800E 20550N	1	10	16	38	.1	15	5	117	2.04	8	5	ND	3	10	.2	2	2	33	.07	.011	13	21	.31	126	.03	3	1.32	.01	.03	2	20
15800E 20500N	1	7	113	40	.2	7	3	58	1.54	39	5	ND	4	24	.3	11	2	24	.07	.016	10	10	.10	316	.01	2	.75	.01	.06	1	50
TANDARD C	18	57	38	129	7.3	70	29	1026	3.77	40	19	6	37	53	18.6	14	20	55	.50	.091	38	61	.89	180	.07	34	1.86	.06	.14	11	1400

AMPLE#	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	Hg ppb
15800E 20450N	1	8	18	44	.1	11	5	105	1.71	7	5	ND	3	10	.3	2	2	36	.06	.010	12	18	.21	170	.03	2	1.07	.01	.03	2	20
15800E 20400N	1	38	20	89	.2	32	13	176	3.76	29	5	ND	6	23	.7	5	2	76	.04	.034	15	90	.43	234	.12	2	1.37	.01	.09	1	20
15800E 20350N	3	9	25	57	.1	7	4	41	2.59	42	5	ND	2	13	.8	12	2	23	.03	.023	5	5	.03	195	.01	4	.48	.01	.10	1	10
15800E 20300N	1	7	13	40	.1	10	5	93	1.50	5	5	ND	3	7	.2	2	2	29	.05	.009	10	16	.18	150	.03	2	.85	.01	.03	2	80
15800E 20250N	1	10	12	42	.1	9	5	117	1.68	4	5	ND	3	9	.5	2	2	33	.05	.010	11	20	.25	132	.03	2	.87	.01	.04	1	5
15800E 20200N	1	10	13	41	.1	11	5	95	1.87	6	5	ND	3	9	.2	2	2	35	.05	.011	12	18	.23	148	.03	3	1.02	.01	.04	1	10
15800E 20150N	1	10	14	43	.1	11	4	71	1.74	8	5	ND	3	8	.5	2	2	28	.04	.011	10	13	.17	151	.02	2	.82	.01	.04	2	5
15800E 20100N	1	11	14	32	.1	11	4	67	1.40	4	5	ND	3	8	.2	2	2	25	.04	.012	10	11	.13	148	.02	2	.65	.01	.05	1	5
15800E 20050N	1	11	17	128	.2	15	29	571	2.64	6	5	ND	1	15	.6	2	2	40	.08	.061	11	21	.22	353	.02	2	1.22	.01	.07	1	10
15800E 20000N	1	15	18	66	.2	16	6	128	1.81	5	5	ND	3	16	.4	2	2	26	.06	.025	10	18	.20	327	.02	2	.77	.01	.09	1	30
15800E 19950N	1	12	22	43	.1	7	3	74	1.57	5	5	ND	2	14	.3	2	2	28	.06	.026	9	9	.08	198	.02	2	.69	.01	.05	2	10
15800E 19900N	1	43	42	133	.2	38	14	150	2.89	10	5	ND	4	19	.9	2	2	39	.10	.033	16	32	.35	349	.03	2	1.24	.01	.06	1	30
15800E 19850N	4	13	12	58	.2	12	5	108	1.80	7	5	ND	3	15	.2	2	2	68	.08	.025	14	21	.24	348	.03	2	.92	.01	.06	1	10
15800E 19800N	2	15	16	67	.3	15	7	143	1.93	6	5	ND	2	18	.7	2	2	49	.11	.027	12	24	.29	753	.03	2	1.20	.01	.05	1	30
15800E 19750N	3	10	15	70	.2	9	7	154	1.71	4	5	ND	5	25	.8	2	2	53	.10	.041	18	18	.26	345	.05	2	.90	.01	.05	1	10
15800E 19700N	1	10	14	123	.1	15	8	476	1.65	3	5	ND	3	27	1.0	2	2	35	.17	.050	15	21	.26	710	.02	2	1.10	.01	.08	1	10
15800E 19650N	1	15	10	72	.2	14	6	181	1.78	2	5	ND	2	22	1.1	2	2	33	.18	.032	11	18	.24	468	.02	3	.95	.01	.10	1	20
15800E 19600N	1	22	16	79	.1	25	27	1182	3.30	15	5	ND	2	37	.9	2	2	46	.33	.063	16	31	.46	509	.05	2	1.49	.02	.05	1	30
15800E 19550N	1	13	11	70	.2	16	9	224	2.18	8	5	ND	4	30	.2	2	2	42	.31	.066	17	26	.38	249	.06	2	1.20	.01	.04	2	20
15800E 19500N	1	20	6	82	.1	19	10	239	2.41	8	5	ND	4	29	1.0	2	2	44	.32	.057	16	27	.46	320	.06	2	1.37	.01	.05	1	30
16000E 21750N	1	8	13	58	.1	12	7	161	2.85	8	5	ND	4	13	1.0	2	2	59	.08	.030	14	31	.33	302	.05	2	1.65	.01	.04	1	20
16000E 21700N	1	28	17	80	.2	40	17	278	3.43	15	5	ND	6	14	1.2	3	2	57	.09	.028	13	42	.46	650	.06	2	2.51	.01	.05	1	60
16000E 21650N	1	24	21	55	.4	24	9	137	2.66	19	5	ND	2	26	1.0	10	2	65	.15	.056	15	54	.40	1273	.08	2	1.43	.01	.07	1	160
16000E 21600N	8	37	19	299	.2	69	12	236	2.90	47	5	ND	1	40	1.2	19	2	78	.06	.070	23	23	.17	789	.02	3	.85	.01	.06	1	380
16000E 21550N	6	16	9	15	.1	8	2	17	.61	8	5	ND	1	35	.2	12	2	38	.01	.014	3	8	.04	893	.01	3	.40	.01	.04	2	920
16000E 21500N	4	18	26	40	.2	12	5	55	1.33	10	5	ND	1	41	1.1	2	2	54	.06	.033	14	15	.12	1151	.02	2	.81	.01	.06	1	100
16000E 21450N	1	10	16	40	.1	12	5	100	1.56	5	5	ND	4	17	.3	2	3	34	.08	.015	13	18	.29	401	.04	4	.91	.01	.03	1	20
16000E 21400N	1	13	12	51	.2	15	7	126	1.90	8	5	ND	3	24	.3	2	2	49	.11	.016	11	25	.34	944	.05	2	1.20	.01	.04	1	10
16000E 21350N	1	22	10	114	.1	22	13	203	2.68	8	5	ND	6	28	1.2	2	2	56	.11	.026	18	37	.48	633	.07	2	1.65	.01	.05	1	30
16000E 21300N	2	32	16	83	.5	20	10	191	2.29	7	5	ND	2	54	1.1	2	2	44	.26	.054	12	23	.27	1950	.01	3	1.41	.01	.09	1	140
16000E 21250N	1	22	10	85	.3	21	12	295	2.34	10	5	ND	3	41	1.0	2	2	43	.34	.066	13	28	.46	690	.06	5	1.39	.02	.05	1	60
16000E 21200N	1	38	10	100	.2	26	11	283	2.72	13	5	ND	5	43	1.3	3	4	48	.37	.066	15	32	.52	589	.07	2	1.43	.02	.07	1	50
16000E 21150N	3	30	7	62	1.2	19	7	137	1.99	14	5	ND	2	48	.2	5	2	57	.31	.094	11	24	.35	950	.03	3	1.33	.01	.07	1	420
16000E 21050N	11	18	14	33	.4	8	5	113	1.46	15	5	ND	1	35	.6	6	2	45	.10	.038	9	14	.15	539	.03	2	.63	.01	.05	1	50
16000E 21000N	1	16	12	52	.3	16	7	132	1.60	4	5	ND	4	30	.2	2	3	35	.23	.055	14	21	.34	402	.05	3	1.09	.01	.04	1	30
16000E 20950N	1	17	15	63	.1	19	9	152	1.83	5	5	ND	4	17	.2	2	2	37	.18	.035	14	26	.39	311	.05	4	1.25	.01	.03	1	20
STANDARD C	19	57	42	133	7.4	72	32	992	3.79	41	19	7	36	51	18.0	16	19	58	.42	.099	37	60	.82	177	.07	36	1.78	.05	.14	12	1300

MPLE#	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	Hg ppb
6000E 20900N	1	16	7	47	.1	14	5	124	1.81	6	5	ND	3	18	.2	2	2	33	.19	.021	14	20	.36	325	.05	2	1.16	.01	.03	1	30
6000E 20850N	11	56	23	56	.5	17	5	136	2.05	19	5	ND	2	44	.2	6	2	51	.22	.024	9	21	.21	1083	.02	2	1.03	.01	.07	2	160
6000E 20800N	2	18	9	52	.1	14	6	126	2.92	10	5	ND	3	15	.2	2	2	52	.12	.016	11	26	.35	562	.03	2	1.84	.01	.04	1	20
6000E 20750N	3	11	8	60	.1	13	5	122	2.61	16	5	ND	3	16	.2	6	2	53	.08	.019	11	22	.28	413	.03	3	1.46	.01	.03	1	10
6000E 20700N	4	15	16	102	.3	15	4	69	2.15	17	5	ND	1	50	.2	9	2	44	.11	.051	8	16	.19	1823	.02	2	.81	.01	.06	1	70
6000E 20650N	2	17	14	78	2.5	21	10	267	4.58	14	5	ND	3	20	.5	2	2	71	.13	.077	11	38	.46	807	.05	3	2.69	.01	.05	1	50
6000E 20600N	7	10	22	37	1.9	2	3	9	1.20	13	5	ND	1	258	.2	8	2	82	.07	.159	7	14	.05	2741	.01	2	1.08	.01	.06	1	10
6000E 20550N	11	17	21	17	.2	5	2	15	1.29	10	5	ND	1	42	.2	5	2	38	.05	.026	4	10	.08	658	.01	4	.74	.01	.06	1	40
6000E 20500N	40	26	37	438	.6	38	7	38	3.30	38	5	ND	1	107	.2	14	2	79	.05	.081	5	10	.03	967	.01	2	.53	.01	.10	1	100
6000E 20450N	9	5	8	25	.1	4	2	92	1.45	17	5	ND	2	21	.2	4	2	51	.06	.016	10	13	.12	221	.04	3	.59	.01	.04	1	60
6000E 20400N	6	16	13	124	1.2	17	5	46	2.56	20	5	ND	2	59	.2	7	2	65	.04	.048	6	15	.09	1597	.01	5	.87	.01	.07	1	30
6000E 20350N	1	9	8	47	.1	15	4	115	2.02	7	5	ND	3	17	.2	2	2	38	.11	.012	12	23	.29	540	.03	2	1.33	.01	.03	1	20
6000E 20300N	3	10	16	58	.9	9	3	93	2.21	12	5	ND	2	26	.2	2	2	54	.10	.027	11	18	.20	533	.03	2	1.06	.01	.04	1	20
6000E 20250N	16	15	15	10	.1	4	1	2	.71	29	5	ND	1	30	.2	27	2	76	.02	.011	3	9	.02	386	.01	2	.63	.01	.06	1	10
6000E 20200N	10	21	22	86	.3	10	3	47	2.06	27	5	ND	1	33	.2	7	2	34	.07	.033	4	9	.05	734	.01	2	.46	.01	.08	1	100
6000E 20150N	5	44	35	68	.7	17	5	60	2.74	20	5	ND	2	46	.2	5	2	31	.06	.035	10	17	.13	773	.01	3	.97	.01	.09	1	260
6000E 20050N	1	15	11	68	.1	17	7	183	2.34	13	5	ND	3	34	.3	2	2	39	.57	.064	18	24	.45	356	.04	5	1.39	.02	.04	1	50
6000E 20000N	1	29	14	87	.1	25	10	384	3.09	14	5	ND	2	39	.3	2	2	46	.56	.067	17	30	.60	444	.06	3	1.76	.02	.05	1	30
6000E 19950N	1	33	8	85	.1	24	10	317	3.13	8	5	ND	2	38	.4	2	2	47	.57	.061	18	32	.60	427	.06	4	1.79	.02	.06	1	30
6000E 19900N	1	24	10	66	.1	22	8	226	2.67	12	5	ND	5	27	.2	2	2	42	.38	.055	18	32	.50	296	.07	2	1.45	.01	.04	1	10
6000E 19850N	1	25	16	66	.1	19	6	144	2.65	4	5	ND	1	27	.2	2	2	39	.33	.065	16	26	.38	395	.03	2	1.71	.01	.04	1	60
6000E 19800N	1	20	18	69	.1	18	7	172	2.65	10	5	ND	5	24	.2	2	2	42	.30	.046	20	28	.47	379	.06	5	1.58	.01	.04	1	20
6000E 19750N	1	18	25	60	.1	20	7	163	2.43	10	5	ND	4	25	.2	2	2	38	.30	.042	18	26	.41	367	.05	2	1.54	.01	.04	1	30
6000E 19700N	1	18	21	64	.1	17	6	127	2.53	13	5	ND	4	26	.2	2	2	39	.34	.046	20	26	.44	267	.06	2	1.52	.01	.04	1	20
6000E 19650N	1	24	11	68	.1	20	8	166	2.62	8	5	ND	4	31	.2	2	2	39	.42	.052	20	26	.44	394	.05	2	1.56	.01	.04	1	40
6000E 19600N	1	24	24	57	.1	17	6	156	2.64	9	5	ND	6	28	.2	2	2	40	.37	.044	22	25	.43	284	.06	2	1.42	.01	.04	1	30
6000E 19550N	1	24	9	62	.1	16	6	134	2.25	16	5	ND	3	27	.2	2	2	35	.34	.049	17	24	.41	339	.05	2	1.52	.01	.04	1	30
6000E 19500N	1	15	14	54	.1	16	7	146	2.35	9	5	ND	3	20	.2	2	2	37	.25	.034	17	24	.38	223	.05	5	1.46	.01	.04	1	20
6200E 21750N	17	10	83	59	5.9	10	3	32	1.94	124	5	ND	1	92	.2	76	2	72	.05	.043	16	16	.06	680	.02	2	.53	.01	.10	1	2600
6200E 21700N	6	126	13	562	.6	132	24	611	7.23	885	5	ND	10	72	2.5	37	2	184	.17	.085	22	282	1.62	897	.22	8	2.60	.01	.26	1	1600
6200E 21650N	4	34	13	292	.1	58	13	340	5.11	310	5	ND	4	34	.2	140	2	70	.05	.047	18	32	.19	576	.01	3	1.43	.01	.06	1	310
6200E 21600N	8	39	9	96	.1	31	5	54	1.34	14	5	ND	2	61	.2	4	2	47	.02	.019	7	16	.07	1941	.01	5	.83	.01	.06	1	370
6200E 21550N	5	23	11	61	.3	20	5	95	1.57	11	5	ND	2	77	.2	2	2	50	.17	.041	12	17	.23	2634	.03	7	.83	.01	.05	1	130
6200E 21500N	14	9	21	16	.5	8	2	32	1.09	16	5	ND	1	100	.2	9	2	68	.06	.035	7	12	.05	1556	.01	4	.46	.01	.06	1	60
6200E 21450N	15	26	27	30	.2	14	7	103	3.20	16	5	ND	3	81	.2	2	2	52	.05	.038	6	21	.19	1041	.01	3	1.32	.01	.09	2	160
6200E 21400N	3	13	11	44	.1	16	6	108	2.25	14	5	ND	3	37	.2	2	2	37	.09	.018	9	17	.28	581	.02	2	1.00	.01	.05	1	20
ANDARD C	17	60	40	132	7.2	70	29	1039	4.20	41	22	6	36	50	18.0	18	18	55	.54	.094	37	57	.89	181	.08	31	1.95	.05	.13	11	1600

AMPLE#	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	Hg ppb
16200E 21350N	2	8	9	23	.1	3	2	52	1.29	8	5	ND	2	32	.2	3	2	22	.04	.018	6	7	.08	582	.01	5	.53	.01	.05	1	10
16200E 21300N	3	6	17	25	.1	2	2	70	1.51	6	5	ND	3	32	.5	2	2	56	.07	.016	11	11	.11	708	.04	4	.99	.01	.04	1	5
16200E 21250N	1	19	15	82	.1	22	7	158	2.36	8	5	ND	3	18	.6	3	2	42	.07	.021	10	21	.31	346	.02	6	1.59	.01	.04	1	20
16200E 21200N	1	9	12	41	.3	10	5	97	2.09	7	5	ND	3	15	.2	2	2	42	.10	.021	11	17	.26	528	.03	3	1.48	.01	.03	1	10
16200E 21150N	4	12	21	33	1.0	6	2	42	.88	11	5	ND	1	38	.6	6	2	44	.06	.055	7	10	.10	750	.01	6	.72	.01	.06	2	20
16200E 21100N	1	13	8	45	.1	12	4	96	1.80	7	5	ND	1	17	.2	2	2	50	.09	.036	12	20	.25	267	.03	2	1.38	.01	.04	1	40
16200E 21050N	5	22	18	50	.1	15	6	174	2.01	15	5	ND	3	21	.3	4	5	41	.14	.018	10	21	.38	337	.06	5	1.06	.01	.04	1	50
16200E 21000N	3	17	14	52	.1	14	6	133	2.10	13	5	ND	2	18	.3	4	2	42	.10	.024	10	21	.30	348	.04	4	1.22	.01	.04	1	20
16200E 20950N	1	8	14	44	.1	10	5	113	1.65	8	5	ND	3	13	.3	2	2	35	.13	.028	11	18	.30	349	.04	6	1.18	.01	.03	1	10
16200E 20900N	1	10	10	42	.1	11	4	83	1.42	5	5	ND	3	14	.2	2	2	28	.14	.019	11	18	.30	319	.04	3	1.04	.01	.03	1	20
16200E 20850N	1	15	11	55	.1	17	6	127	1.79	7	5	ND	5	14	.3	2	2	32	.13	.016	13	23	.39	296	.04	3	1.37	.01	.03	1	5
16200E 20800N	1	12	11	115	.3	20	14	500	2.15	10	5	ND	3	10	.8	3	2	38	.08	.051	8	18	.23	333	.01	6	1.16	.01	.06	2	10
16200E 20750N	1	7	12	62	.1	12	4	120	1.64	5	5	ND	3	11	.8	2	2	33	.09	.018	10	14	.23	321	.03	2	.84	.01	.05	2	5
16200E 20700N	1	7	8	67	.3	10	5	92	1.41	2	5	ND	3	10	.6	2	3	30	.10	.008	12	17	.29	310	.03	2	1.03	.01	.04	1	5
16200E 20650N	1	8	12	68	.3	15	5	88	1.61	4	5	ND	3	12	.8	2	2	32	.11	.010	10	17	.30	361	.02	5	1.06	.01	.04	1	10
16200E 20600N	1	12	13	68	.6	13	6	147	2.13	3	5	ND	3	12	.9	2	2	40	.09	.013	12	21	.36	317	.04	3	1.28	.01	.04	1	5
16200E 20550N	1	8	9	42	.4	8	2	78	1.37	3	5	ND	3	10	.6	2	2	32	.07	.013	11	15	.25	200	.06	3	.84	.01	.05	2	10
16200E 20500N	1	6	10	71	.4	9	5	117	1.42	3	5	ND	3	11	.4	2	2	31	.10	.010	12	20	.33	262	.05	2	1.03	.01	.05	1	20
16200E 20450N	1	6	7	76	.2	8	4	86	1.50	2	5	ND	3	9	.5	2	2	29	.08	.008	10	16	.27	170	.03	2	.92	.01	.04	1	10
16200E 20400N	1	10	11	42	.2	10	4	108	1.78	6	5	ND	2	13	.4	2	3	32	.11	.015	9	17	.28	301	.03	2	1.01	.01	.06	2	20
16200E 20350N	1	17	11	65	.4	14	4	91	1.28	4	5	ND	2	13	1.4	2	2	27	.12	.009	9	15	.23	427	.03	3	.87	.01	.04	1	20
16200E 20150N	1	18	17	74	.1	17	6	115	2.30	15	5	ND	5	23	.2	3	2	36	.29	.059	19	23	.35	330	.05	5	1.25	.01	.04	1	40
16200E 20100N	1	22	18	69	.1	18	7	179	2.15	6	5	ND	4	28	.3	2	2	35	.37	.055	17	26	.41	328	.05	5	1.35	.01	.04	1	30
16200E 20050N	1	21	13	60	.2	18	6	140	2.26	8	5	ND	1	24	.4	2	2	38	.27	.058	14	24	.36	303	.03	2	1.50	.01	.05	1	40
16200E 20000N	1	19	10	52	.1	15	6	132	1.94	5	5	ND	5	19	.3	3	2	31	.24	.046	16	22	.35	182	.05	2	1.25	.01	.03	2	20
16200E 19950N	1	19	19	48	.1	14	5	122	1.86	6	5	ND	5	19	.4	2	2	33	.24	.046	17	22	.35	216	.05	4	1.27	.01	.03	2	30
16200E 19900N	1	18	12	56	.1	15	6	148	1.91	3	5	ND	4	20	.3	2	2	31	.24	.048	18	23	.38	222	.05	2	1.25	.01	.03	1	40
16200E 19850N	1	17	20	52	.1	16	6	137	1.88	6	5	ND	2	22	.2	2	2	34	.21	.033	16	21	.34	385	.05	3	1.27	.01	.04	1	30
16200E 19800N	1	16	29	54	.2	17	5	159	1.95	6	5	ND	2	21	.2	2	2	33	.25	.043	16	23	.38	243	.05	2	1.35	.01	.05	2	20
16200E 19750N	1	18	19	51	.1	15	5	116	1.89	8	5	ND	5	24	.2	2	2	34	.26	.039	19	25	.38	258	.06	6	1.29	.01	.04	1	20
16200E 19700N	1	15	16	49	.2	15	6	139	1.90	6	5	ND	3	24	.2	2	3	31	.30	.059	16	22	.36	243	.04	2	1.24	.01	.04	1	10
16200E 19650N	1	14	22	59	.2	14	6	187	2.16	6	5	ND	3	21	.4	2	2	35	.25	.050	15	24	.36	265	.04	2	1.37	.01	.04	1	70
16200E 19600N	1	20	17	65	.2	19	8	208	2.37	6	5	ND	3	26	.3	2	2	40	.26	.044	16	28	.43	324	.05	2	1.66	.01	.05	1	20
16200E 19550N	1	14	22	60	.2	16	6	147	2.19	6	5	ND	4	20	.5	2	2	38	.22	.039	15	25	.39	261	.04	4	1.55	.01	.04	1	10
16200E 19500N	1	20	16	56	.2	16	6	151	2.13	9	5	ND	4	26	.2	2	2	34	.29	.045	19	24	.40	316	.04	2	1.46	.01	.05	1	20
16800E 21750N	1	14	10	53	.3	16	6	117	1.62	7	5	ND	2	21	.2	3	2	35	.24	.043	13	24	.34	417	.03	3	1.39	.01	.04	1	210
TANDARD C	18	58	38	128	7.2	71	31	1018	3.68	41	18	6	36	52	19.0	15	20	56	.49	.096	36	59	.87	183	.07	34	1.84	.06	.14	11	1600

MPLE#	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	Hg ppb
6800E 21700N	1	18	12	56	.3	22	8	176	2.65	16	5	ND	5	16	.2	2	2	58	.11	.024	13	31	.38	412	.05	2	1.99	.01	.03	1	90
6800E 21650N	1	23	17	67	.3	18	5	114	2.38	26	5	ND	1	19	.2	7	2	102	.11	.053	14	32	.25	277	.03	4	1.62	.01	.05	1	190
6800E 21600N	2	20	19	77	1.6	17	6	123	2.08	12	5	ND	4	68	.3	8	2	111	.21	.195	17	34	.26	755	.03	3	1.63	.01	.04	1	720
6800E 21550N	2	11	21	43	.5	8	3	106	1.37	8	5	ND	2	42	.2	4	2	70	.12	.061	11	18	.15	532	.03	2	.97	.01	.04	2	230
6800E 21500N	1	28	17	95	.3	26	9	212	2.42	5	5	ND	4	43	.2	2	2	46	.62	.070	14	28	.59	359	.06	9	1.52	.03	.06	1	120
6800E 21450N	1	30	9	95	.1	26	9	215	2.49	6	5	ND	4	40	.4	2	2	49	.54	.073	15	30	.57	408	.06	7	1.51	.02	.05	1	140
6800E 21400N	1	32	11	123	.3	24	9	259	2.29	29	5	ND	4	31	.9	7	2	65	.35	.076	17	31	.52	400	.06	8	1.40	.02	.04	1	1300
6800E 21350N	2	25	7	113	.2	21	8	275	2.16	13	5	ND	3	25	.5	5	2	81	.26	.055	14	28	.40	306	.05	3	1.36	.01	.05	1	500
6800E 21300N	4	23	17	97	.3	23	8	165	1.73	15	5	ND	3	82	.4	6	2	40	.26	.056	10	15	.23	1014	.02	6	.80	.01	.05	2	150
6800E 21250N	2	29	9	107	.5	23	8	225	2.34	15	5	ND	2	72	.6	3	2	51	.44	.054	12	25	.39	683	.03	3	1.37	.01	.05	1	200
6800E 21200N	7	28	22	84	.3	18	11	302	2.99	38	5	ND	3	56	.6	17	2	48	.21	.047	12	22	.29	1877	.02	4	1.21	.01	.05	1	350
6800E 20900N	2	18	20	140	.3	19	7	134	3.81	23	5	ND	3	19	.8	5	2	57	.04	.039	10	21	.20	292	.01	2	1.62	.01	.07	1	20
6800E 20750N	1	25	34	82	.5	16	5	118	1.90	400	5	ND	4	22	1.6	639	2	35	.17	.038	22	22	.33	287	.03	4	1.32	.01	.06	1	80
6800E 20700N	1	24	37	84	.5	17	6	127	1.73	270	6	ND	5	25	1.5	247	2	31	.23	.043	23	21	.37	267	.04	2	1.14	.01	.04	1	40
6800E 20650N	1	22	15	62	.1	20	7	178	2.20	28	5	ND	6	20	.2	13	2	39	.12	.015	21	25	.43	174	.06	2	1.31	.01	.05	2	20
6800E 20600N	1	10	14	34	.1	13	5	85	1.37	6	5	ND	4	15	.2	9	2	26	.07	.015	21	14	.21	138	.02	4	.92	.01	.05	2	5
6800E 20550N	1	14	14	34	.1	10	3	62	1.14	10	5	ND	8	37	.2	100	2	20	.07	.014	37	13	.18	116	.02	2	.79	.01	.05	2	10
6800E 20500N	1	10	14	46	.1	13	5	133	1.90	11	5	ND	4	15	.2	3	2	40	.09	.019	18	22	.31	162	.04	4	1.15	.01	.05	1	10
6800E 20400N	1	18	17	57	.2	12	4	107	1.52	26	5	ND	3	32	.4	10	2	29	.16	.031	24	19	.29	289	.03	2	1.02	.01	.06	1	30
6800E 20350N	1	14	107	35	.2	12	3	78	1.29	22	5	ND	4	30	.2	4	2	22	.09	.023	35	14	.19	169	.02	3	.78	.01	.07	1	30
6800E 20300N	1	12	8	45	.1	12	5	116	1.61	5	5	ND	3	18	.3	2	2	31	.20	.034	17	20	.34	207	.04	3	1.15	.01	.04	2	20
6800E 20250N	1	16	9	41	.1	14	4	105	1.65	6	5	ND	1	20	.2	2	2	31	.21	.054	16	20	.31	211	.03	3	1.23	.01	.05	2	80
6800E 20200N	1	14	13	55	.3	12	5	108	1.71	2	5	ND	2	21	.2	2	2	32	.22	.053	17	23	.34	243	.03	2	1.36	.01	.05	1	60
6800E 20150N	1	20	9	57	.2	16	6	171	1.88	3	5	ND	5	24	.2	2	2	34	.27	.049	22	24	.37	279	.05	4	1.22	.01	.04	1	20
6800E 20100N	1	11	10	59	.2	16	5	120	1.80	4	5	ND	4	20	.2	2	2	33	.22	.049	16	22	.37	222	.04	2	1.35	.01	.04	1	40
6800E 20050N	1	17	10	53	.1	17	7	208	2.07	7	5	ND	2	22	.2	2	2	38	.24	.051	16	26	.39	246	.04	2	1.44	.01	.04	1	30
6800E 20000N	1	18	13	70	.2	21	7	210	2.15	9	5	ND	4	28	.2	2	2	37	.32	.057	19	24	.37	315	.05	5	1.29	.01	.05	1	40
6800E 19950N	1	24	16	63	.1	19	7	210	2.08	8	5	ND	5	27	.4	2	2	38	.33	.054	18	26	.47	292	.06	2	1.31	.01	.05	1	40
6800E 19900N	1	18	10	59	.1	19	5	158	2.00	8	5	ND	3	25	.3	2	2	36	.29	.054	16	24	.43	278	.05	3	1.29	.01	.04	1	30
6800E 19850N	1	22	28	74	.3	19	6	175	2.08	8	5	ND	2	29	.2	2	2	36	.26	.055	15	24	.41	315	.04	2	1.45	.01	.07	1	40
6800E 19800N	1	20	10	63	.2	18	6	150	1.90	8	5	ND	2	22	.2	2	2	36	.25	.049	14	23	.39	297	.05	3	1.25	.01	.05	1	30
6800E 19750N	1	16	5	54	.1	19	6	156	1.90	7	5	ND	3	19	.4	2	2	32	.23	.052	14	21	.39	206	.04	2	1.21	.01	.04	1	20
6800E 19700N	1	17	2	53	.2	19	7	149	2.05	8	5	ND	5	16	.2	2	2	33	.13	.021	17	23	.37	206	.04	2	1.28	.01	.04	2	20
6800E 19650N	1	8	9	36	.2	9	4	107	1.80	7	5	ND	3	14	.2	2	2	44	.13	.020	13	18	.25	159	.04	2	1.21	.01	.03	1	140
6800E 19600N	1	16	9	49	.2	18	6	126	1.91	7	5	ND	4	16	.2	2	2	33	.17	.034	13	22	.39	159	.04	5	1.26	.01	.04	1	20
6800E 19550N	1	10	7	50	.2	12	5	150	1.94	9	5	ND	4	11	.2	2	2	40	.10	.015	15	21	.34	150	.04	3	1.32	.01	.03	1	10
ANDARD C	18	58	37	129	7.2	70	31	1016	3.85	39	19	6	36	52	18.6	15	17	55	.48	.099	37	59	.86	179	.07	35	1.83	.06	.14	11	1500

AMPLE#	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	Hg ppb
16800E 19500N	1	12	14	49	.1	12	5	133	1.72	10	5	ND	5	11	.3	2	2	30	.07	.023	26	17	.26	177	.03	3	1.14	.01	.07	2	10
17600E 18000N	1	25	10	78	.1	25	11	243	3.32	19	5	ND	6	13	.9	3	4	50	.08	.033	20	35	.51	151	.09	2	1.98	.01	.09	1	20
17600E 17950N	1	19	13	59	.1	19	7	142	2.39	12	5	ND	5	15	1.4	2	2	46	.10	.020	18	28	.40	173	.08	3	1.72	.01	.06	1	50
17600E 17900N	1	26	8	75	.1	28	10	195	3.12	40	5	ND	5	24	1.0	4	2	57	.17	.024	13	40	.59	242	.08	5	2.23	.01	.06	1	30
17600E 17850N	1	27	9	75	.1	29	11	209	2.64	41	5	ND	5	25	.8	2	2	52	.15	.027	15	36	.54	295	.08	2	1.87	.01	.06	1	40
17600E 17800N	1	31	12	70	.1	27	10	200	2.86	53	5	ND	5	22	1.0	3	2	59	.14	.027	14	35	.53	319	.07	3	1.88	.01	.06	1	20
17600E 17750N	1	16	14	55	.1	15	6	118	1.95	26	5	ND	4	17	.2	2	4	40	.17	.041	12	25	.38	251	.05	4	1.40	.01	.04	1	30
17600E 17700N	1	25	11	65	.1	17	6	123	2.07	126	5	ND	2	18	.2	3	2	58	.18	.049	13	28	.41	378	.05	3	1.49	.01	.05	3	30
17600E 17650N	1	24	2	68	.1	17	6	138	1.87	18	5	ND	3	18	.4	2	2	51	.20	.053	12	24	.39	370	.04	2	1.22	.01	.03	1	30
17600E 17600N	1	12	13	81	.1	13	6	105	1.88	9	5	ND	1	16	.6	2	2	61	.16	.035	11	25	.33	551	.04	2	1.40	.01	.03	2	20
17600E 17550N	1	28	10	175	.7	40	10	249	2.77	22	5	ND	5	15	2.1	2	2	127	.14	.045	13	47	.51	480	.05	4	2.37	.01	.04	1	60
17600E 17500N	1	18	10	92	.4	24	9	208	2.96	22	5	ND	2	14	.5	2	2	84	.12	.044	12	35	.45	594	.05	7	2.12	.01	.04	1	50
17600E 17450N	1	24	17	1086	1.3	66	10	403	2.26	11	5	ND	1	57	6.8	2	2	155	.40	.201	14	43	.47	2340	.04	2	1.95	.01	.05	1	60
17600E 17400N	1	88	8	3057	2.1	332	8	202	2.09	16	10	ND	4	682	6.6	5	2	635	2.47	1.274	40	181	.71	7233	.03	5	2.33	.01	.13	1	120
17600E 17350N	1	32	11	330	5.1	70	8	153	2.52	18	5	ND	5	25	1.4	3	2	80	.27	.104	15	39	.48	785	.05	7	1.96	.01	.05	1	70
17600E 17300N	1	42	8	226	.6	49	11	483	2.62	22	5	ND	3	42	1.4	2	2	123	.72	.182	17	49	.53	2546	.05	3	2.43	.01	.05	1	40
17600E 17250N	1	39	17	498	1.2	59	12	1065	2.63	16	5	ND	13	263	8.7	3	2	171	4.76	2.235	34	53	.31	1586	.04	9	1.95	.01	.09	1	30
17600E 17200N	1	31	12	289	.5	60	13	577	2.88	19	5	ND	7	40	3.4	2	2	101	.77	.152	16	50	.54	1181	.05	6	2.59	.02	.05	1	30
17600E 17150N	1	20	11	109	.3	33	8	198	2.38	22	5	ND	5	21	1.0	2	2	72	.26	.068	15	35	.48	723	.05	2	1.94	.01	.05	1	20
17600E 17100N	1	14	4	70	.2	20	7	412	1.86	13	5	ND	5	19	.4	2	2	42	.24	.070	13	26	.37	364	.04	4	1.26	.01	.04	1	30
17600E 17050N	1	16	13	67	.1	21	6	195	2.43	10	5	ND	5	14	.8	2	2	55	.14	.044	13	28	.37	330	.06	2	1.71	.01	.04	2	40
17600E 17000N	1	23	16	105	.1	34	8	131	1.86	10	5	ND	5	27	1.1	2	2	75	.28	.034	11	38	.62	237	.08	7	1.79	.01	.02	1	10
17600E 16950N	1	25	14	93	.3	19	10	324	3.42	20	5	ND	24	22	.9	2	2	76	.30	.105	22	54	.64	221	.16	2	1.76	.01	.14	1	30
17600E 16900N	1	31	25	116	.1	32	9	213	3.06	16	5	ND	11	47	.4	2	2	88	.58	.206	21	76	.71	255	.19	3	1.73	.01	.12	1	20
17600E 16850N	1	39	5	105	.2	43	10	215	2.57	12	5	ND	5	26	.9	2	4	86	.33	.080	17	41	.49	333	.06	2	2.04	.01	.04	1	100
17600E 16800N	1	17	7	246	.7	30	23	2643	3.30	11	5	ND	7	30	2.0	2	2	55	.45	.234	13	47	.53	513	.10	6	1.95	.02	.14	1	20
17600E 16750N	1	14	11	103	.5	24	13	606	2.45	8	5	ND	4	29	.3	3	2	51	.39	.067	13	34	.46	388	.07	2	1.72	.01	.11	1	30
17600E 16700N	1	38	25	191	.2	29	19	829	4.95	16	5	ND	25	43	2.1	4	2	108	.58	.192	32	86	.93	384	.29	2	2.16	.01	.49	1	20
17600E 16650N	1	37	10	275	.2	56	16	684	3.67	20	5	ND	16	60	1.4	2	2	76	.78	.245	22	88	.96	447	.17	2	2.14	.02	.27	1	30
17600E 16600N	1	68	16	200	.4	54	22	605	4.98	24	5	ND	26	57	1.6	6	2	122	.53	.117	28	92	1.01	401	.26	2	2.74	.02	.43	3	20
17600E 16550N	1	19	12	80	.2	22	9	362	2.40	12	5	ND	8	23	.2	2	2	73	.39	.039	17	39	.50	344	.09	2	1.65	.01	.04	1	10
17600E 16500N	1	27	17	76	.2	18	13	568	2.85	20	5	ND	13	26	.7	2	2	70	.47	.092	23	49	.65	326	.15	2	1.54	.02	.12	2	20
17800E 17900N	1	48	17	87	.2	36	13	321	4.07	147	5	ND	6	22	.9	3	2	66	.12	.055	18	49	.72	277	.09	2	2.91	.01	.13	1	50
17800E 17850N	1	76	22	97	.5	37	15	308	3.46	162	5	ND	1	35	1.3	2	2	54	.24	.084	17	38	.48	412	.03	2	2.78	.01	.12	1	80
17800E 17800N	1	35	9	71	.1	30	10	202	3.12	57	5	ND	2	25	.5	2	2	55	.17	.049	19	36	.56	221	.07	4	1.82	.01	.12	1	30
17800E 17750N	1	35	12	65	.1	25	13	252	3.52	96	5	ND	5	25	.6	3	2	49	.14	.057	18	33	.52	167	.08	4	1.62	.01	.13	1	10
ANDARD C	18	60	40	135	7.3	73	31	1021	3.81	41	15	7	36	52	18.6	16	18	55	.52	.095	37	60	.86	183	.07	35	1.89	.06	.14	11	1300

AMPLE#	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	Hg ppb
17800E 17650N	1	24	12	30	.2	7	3	71	1.23	35	5	ND	1	12	.2	2	2	33	.05	.034	17	14	.08	168	.02	4	.91	.01	.05	2	30
17800E 17600N	1	23	15	31	.2	8	3	59	1.48	132	5	ND	1	17	.4	2	2	39	.10	.030	18	17	.13	223	.04	2	.85	.01	.06	3	30
17800E 17550N	1	10	8	31	.2	5	3	87	1.63	26	5	ND	1	9	.4	2	2	48	.05	.021	14	13	.15	102	.04	4	.84	.01	.06	1	20
17800E 17500N	1	23	19	53	.1	15	8	154	3.01	199	5	ND	5	15	.7	2	2	52	.12	.017	15	29	.42	301	.05	4	2.20	.01	.07	1	40
17800E 17450N	1	28	8	61	.2	19	10	210	2.93	27	5	ND	6	13	.8	2	3	49	.11	.016	14	34	.51	244	.06	3	2.29	.01	.06	1	30
17800E 17400N	1	24	23	75	.2	18	9	281	2.92	11	5	ND	13	15	.5	2	2	49	.15	.020	20	36	.62	198	.09	10	1.89	.02	.06	1	20
17800E 17350N	1	19	22	59	.1	18	10	218	3.04	18	5	ND	7	16	.7	2	2	54	.13	.023	14	34	.49	269	.07	4	2.21	.01	.09	1	10
17800E 17300N	1	29	19	110	.5	27	13	325	3.38	9	5	ND	12	15	.3	2	2	60	.15	.033	18	45	.58	366	.11	7	2.57	.02	.11	1	30
17800E 17250N	1	16	16	66	.1	16	10	387	2.74	7	5	ND	9	19	.2	2	2	59	.32	.031	15	43	.63	234	.16	5	1.63	.02	.12	1	20
17800E 17200N	1	62	30	142	.1	25	16	563	6.66	5	5	ND	45	45	1.0	4	2	102	.75	.182	47	122	1.47	355	.33	5	2.31	.02	.65	1	20
17800E 17150N	1	134	16	158	.8	20	10	332	7.76	62	8	ND	44	25	1.0	16	2	93	.53	.081	62	77	.77	536	.15	6	2.66	.01	.15	1	30
17800E 17100N	1	43	15	226	.4	52	8	217	2.88	19	5	ND	14	33	.9	2	3	61	.44	.089	20	53	.65	392	.08	5	2.26	.02	.06	1	20
17800E 17050N	1	25	19	105	.4	27	9	225	2.74	13	5	ND	8	25	.7	2	2	51	.30	.066	14	37	.56	364	.06	6	2.06	.01	.05	1	20
17800E 17000N	1	28	21	140	.6	27	8	242	3.08	17	5	ND	38	25	.9	2	2	55	.50	.116	28	40	.52	319	.06	7	1.96	.01	.07	1	10
17800E 16950N	1	45	12	162	.3	47	7	280	2.71	11	5	ND	13	59	.3	2	2	64	1.21	.239	21	53	.85	537	.06	14	1.93	.02	.06	1	20
17800E 16900N	1	38	11	122	.5	36	7	389	2.23	30	5	ND	8	79	.9	5	3	59	3.51	.325	30	33	.77	442	.05	17	1.52	.02	.06	1	80
17800E 16850N	1	36	15	89	.7	21	6	1004	1.88	17	8	ND	4	73	.4	2	2	40	3.48	.124	25	20	.32	520	.03	12	1.29	.02	.03	1	40
17800E 16800N	1	18	13	101	.1	20	7	388	2.20	18	5	ND	6	30	.2	2	2	46	.84	.090	15	28	.39	390	.04	7	1.66	.02	.06	2	20
17800E 16750N	1	40	9	89	.5	30	12	716	2.96	22	5	ND	8	52	.5	2	2	76	1.09	.084	22	48	.72	673	.10	4	2.13	.02	.08	1	40
17800E 16700N	1	29	16	74	.6	31	13	465	2.96	15	5	ND	9	53	.2	2	2	77	.77	.040	22	48	.69	592	.09	7	2.32	.02	.06	1	50
17800E 16650N	1	35	23	95	.2	28	11	605	2.80	39	5	ND	9	57	.2	2	2	62	1.22	.090	36	37	.57	376	.07	7	1.82	.01	.05	1	60
17800E 16600N	1	36	15	75	.1	17	10	431	2.95	16	5	ND	26	41	.2	2	2	57	.48	.092	38	34	.59	391	.11	5	1.53	.02	.11	2	60
17800E 16550N	1	41	15	84	.2	22	8	217	3.42	29	5	ND	18	43	.2	3	2	71	.48	.068	27	44	.81	429	.14	11	1.96	.02	.11	1	20
17800E 16500N	1	84	12	142	.4	33	10	440	3.86	46	5	ND	17	56	.5	4	2	79	1.02	.130	29	54	1.19	401	.11	7	2.13	.03	.11	1	60
18000E 17650N	1	36	16	73	.2	22	10	215	3.21	80	5	ND	7	30	.2	3	2	51	.24	.062	26	35	.58	356	.08	10	2.20	.02	.13	1	40
18000E 17600N	1	30	14	41	.2	10	5	82	1.49	41	5	ND	1	20	.5	2	2	36	.13	.036	21	29	.26	203	.05	4	1.20	.02	.11	1	40
18000E 17550N	1	21	15	55	.2	11	4	114	1.90	29	5	ND	2	20	.2	2	3	48	.16	.037	20	31	.41	168	.08	10	1.37	.02	.08	2	30
18000E 17500N	1	31	21	71	.1	18	8	211	3.09	76	5	ND	10	15	.5	2	2	53	.13	.031	16	30	.46	151	.07	6	1.72	.01	.06	1	10
18000E 17450N	1	24	5	53	.1	20	9	190	2.19	17	5	ND	8	16	.2	2	2	42	.18	.044	25	32	.52	180	.06	6	1.55	.01	.21	1	30
18000E 17400N	1	29	18	82	.1	23	11	382	3.19	11	5	ND	7	33	.2	2	2	62	.40	.106	31	39	.78	136	.15	7	1.66	.01	.16	1	20
18000E 17350N	1	28	15	69	.1	20	10	374	3.94	13	5	ND	5	27	.5	2	2	79	.30	.043	16	40	.65	171	.14	7	1.87	.01	.07	1	10
18000E 17300N	1	96	16	78	.1	20	10	280	4.50	28	5	ND	32	33	.6	3	2	73	.39	.108	38	43	.76	162	.14	11	1.81	.02	.13	1	20
18000E 17250N	1	33	9	56	.1	21	9	240	2.51	10	5	ND	7	18	.2	2	2	38	.19	.031	23	27	.49	223	.06	4	1.60	.02	.05	1	30
18000E 17200N	1	29	20	80	.3	19	12	455	3.25	8	5	ND	5	16	.4	2	2	62	.17	.033	13	33	.54	267	.11	2	1.97	.01	.08	1	30
18000E 17150N	1	17	16	109	.1	16	10	559	3.08	10	5	ND	7	18	.4	2	3	62	.23	.065	15	35	.56	189	.13	4	1.41	.01	.19	1	40
18000E 17100N	1	18	16	71	.3	18	11	524	2.70	12	5	ND	5	14	.2	2	2	53	.13	.031	13	28	.46	201	.09	8	1.81	.02	.07	1	30
ANDARD C	18	63	39	132	7.5	67	30	1031	3.85	38	19	7	36	52	17.3	15	18	55	.51	.095	36	56	.84	183	.08	37	1.87	.07	.14	12	1500

AMPLE#	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	Hg ppb
18000E 17050N	1	17	29	128	.3	28	14	1737	3.19	17	5	ND	14	17	.2	2	2	63	.26	.089	16	38	.52	332	.09	2	2.38	.01	.07	1	20
18000E 17000N	1	13	38	135	.2	25	13	959	3.78	13	5	ND	29	33	.2	2	3	72	.53	.152	28	50	.66	386	.12	2	2.63	.01	.13	1	10
18000E 16950N	1	29	40	118	.1	28	9	577	4.32	34	5	ND	52	28	1.1	2	2	62	.49	.181	38	42	.66	253	.09	2	2.88	.02	.14	1	20
18000E 16900N	1	23	39	107	.1	25	8	448	3.73	145	5	ND	41	39	.7	2	2	61	.56	.141	47	35	.63	279	.08	2	2.69	.01	.11	1	10
18000E 16850N	1	12	34	148	.2	17	10	778	3.31	52	5	ND	12	22	1.2	2	2	56	.32	.138	17	32	.51	304	.09	2	2.17	.01	.08	1	20
18000E 16800N	1	16	35	133	.2	17	9	372	3.25	40	5	ND	30	16	.9	2	2	58	.24	.063	21	32	.51	149	.13	2	2.44	.02	.07	1	30
18000E 16750N	1	16	35	121	.5	13	6	286	3.93	289	5	ND	24	17	.8	2	2	63	.23	.095	17	27	.39	184	.11	2	1.87	.01	.06	1	20
18000E 16700N	1	24	10	58	.3	20	7	343	2.46	11	5	ND	16	26	.3	2	2	48	.39	.047	25	33	.50	304	.07	2	1.64	.01	.05	1	40
18000E 16650N	1	22	16	55	.2	16	5	186	2.27	6	5	ND	11	18	.6	2	2	43	.21	.032	17	32	.39	216	.06	2	1.63	.01	.04	1	30
18000E 16600N	1	14	12	55	.4	16	9	376	2.42	7	5	ND	7	19	.4	2	2	50	.21	.037	12	30	.43	277	.06	2	1.85	.01	.04	1	10
8000E 16550N	1	35	35	212	.4	24	12	957	3.98	176	5	ND	53	32	1.5	3	4	69	.44	.144	34	49	.64	546	.13	9	2.36	.01	.18	1	10
8000E 16500N	1	45	36	291	.3	18	12	1729	4.71	21	5	ND	58	72	2.0	2	2	72	.99	.108	54	37	.60	439	.13	5	2.00	.02	.31	1	40
8200E 17950N	1	27	15	76	.4	24	7	265	2.38	13	5	ND	5	30	.2	2	2	42	.43	.072	18	27	.52	265	.07	2	1.48	.02	.06	1	30
8200E 17900N	1	21	11	53	.2	18	6	224	2.08	9	5	ND	4	30	.3	2	2	38	.46	.067	19	26	.44	304	.06	2	1.39	.01	.05	1	20
8200E 17850N	1	23	17	63	.5	18	6	186	2.06	19	5	ND	8	32	.2	2	2	35	.48	.065	18	23	.45	260	.06	4	1.08	.02	.05	1	20
8200E 17800N	1	30	24	85	.1	20	7	239	3.05	24	5	ND	9	37	1.0	2	2	59	.55	.078	28	36	.64	278	.10	8	2.21	.02	.06	1	50
8200E 17700N	1	18	7	52	.1	14	5	168	2.17	9	5	ND	2	24	.3	2	2	38	.33	.062	15	24	.40	129	.05	4	1.23	.01	.05	1	20
8200E 17650N	1	36	24	73	.3	17	7	349	3.03	46	5	ND	13	25	.8	2	2	57	.47	.101	44	27	.44	138	.09	3	1.50	.01	.08	1	20
8200E 17600N	1	16	18	61	.2	20	8	291	2.73	16	5	ND	7	19	.4	2	2	56	.33	.056	21	33	.50	151	.07	4	1.95	.01	.04	1	60
8200E 17550N	1	15	21	65	.1	20	6	195	2.00	15	5	ND	2	33	.2	2	3	46	.59	.084	30	35	.51	206	.06	8	1.54	.01	.05	1	40
8200E 17500N	1	15	16	32	.3	12	3	129	1.60	52	5	ND	2	15	.2	2	2	40	.19	.041	16	21	.29	95	.05	3	1.15	.01	.04	1	50
8200E 17450N	1	12	16	33	.6	13	4	144	2.01	22	5	ND	1	16	.3	2	2	46	.21	.049	17	25	.34	88	.06	2	1.30	.01	.04	1	40
8200E 17400N	1	18	13	55	.5	19	9	326	3.23	8	5	ND	10	18	.9	2	2	46	.23	.047	15	32	.50	150	.06	2	2.02	.01	.05	1	30
8200E 17350N	1	15	24	45	.1	13	7	244	2.71	4	5	ND	3	19	.2	2	2	53	.20	.056	19	25	.37	151	.08	2	1.58	.01	.05	1	20
8200E 17300N	1	8	10	34	.2	8	3	121	2.11	12	5	ND	2	13	.2	2	2	47	.16	.041	14	23	.31	85	.05	2	1.33	.01	.04	1	30
8200E 17250N	1	21	11	53	.1	23	6	214	2.20	14	5	ND	5	22	.2	2	2	36	.36	.072	17	26	.46	121	.06	9	1.41	.01	.05	1	20
8200E 17200N	1	13	8	43	.1	13	5	216	2.96	6	5	ND	5	11	.7	2	2	41	.09	.027	12	24	.39	129	.05	2	1.58	.01	.04	1	20
8200E 17150N	1	9	21	69	.3	14	7	299	2.49	14	5	ND	5	13	.2	2	2	63	.15	.038	17	28	.27	233	.06	2	2.09	.01	.02	1	30
8200E 17100N	1	15	17	75	.3	15	11	1142	3.21	14	5	ND	6	12	1.2	2	2	70	.13	.044	16	31	.35	214	.05	2	2.68	.01	.03	1	40
8200E 17050N	1	14	12	105	.2	21	9	386	3.75	11	5	ND	2	14	.7	2	2	71	.15	.087	12	40	.54	230	.07	2	2.79	.01	.05	2	30
3200E 17000N	1	15	14	68	.4	17	10	690	2.94	7	5	ND	9	14	.7	2	2	68	.16	.048	15	31	.37	250	.07	2	2.43	.01	.04	1	40
3200E 16950N	1	11	14	53	.5	18	6	312	2.64	18	5	ND	3	19	.2	2	3	66	.22	.037	14	28	.36	208	.06	2	1.89	.01	.04	2	30
3200E 16900N	1	13	15	129	.1	22	12	1851	3.69	47	5	ND	25	35	.6	2	2	64	.46	.099	16	43	.57	332	.13	2	2.34	.01	.10	1	20
3200E 16850N	1	22	10	59	.1	23	8	804	2.27	22	5	ND	5	41	.2	2	4	49	.54	.051	20	33	.51	267	.06	2	1.68	.01	.04	1	40
3200E 16800N	1	30	18	177	.3	25	12	1353	4.86	25	5	ND	15	24	1.3	2	2	88	.34	.085	17	67	.78	356	.16	5	2.64	.01	.18	1	50
3200E 16750N	1	21	16	241	.1	19	15	1955	4.19	3	5	ND	19	39	1.2	2	2	74	.36	.112	17	46	.54	613	.13	2	2.08	.01	.16	1	20
ANDARD C	18	61	38	131	7.5	73	29	1099	3.86	40	18	7	36	52	18.4	16	19	56	.65	.096	37	61	.89	179	.07	37	1.95	.05	.14	13	1600

AMPLE#	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	Hg ppb
18200E 16700N	1	11	9	142	.4	18	12	1571	2.69	4	5	ND	1	50	.2	2	2	48	.48	.104	13	26	.38	425	.05	3	1.56	.01	.08	1	20
18200E 16650N	1	53	38	194	.4	19	14	1328	4.76	9	5	ND	42	51	.3	2	2	66	.47	.178	31	38	.56	656	.12	3	2.27	.01	.17	1	20
18200E 16600N	1	43	27	115	.2	22	11	1283	3.30	39	5	ND	48	57	.2	2	3	48	.39	.092	28	31	.46	639	.07	5	1.89	.01	.12	1	10
18200E 16550N	1	28	32	144	.1	24	12	894	4.01	31	6	ND	67	60	.2	2	6	59	.43	.120	42	35	.51	429	.06	5	2.30	.01	.10	3	10
18200E 16500N	1	31	29	146	.1	21	13	678	4.94	24	5	ND	45	112	.2	2	2	81	.50	.184	69	33	.58	371	.13	2	2.01	.01	.27	2	10
22700E 21000N	4	262	871	3694	.7	95	48	3650	4.77	85	5	ND	1	42	29.5	5	2	30	.97	.385	28	25	.10	1337	.01	11	1.25	.01	.15	2	1400
22700E 20950N	1	23	11	153	.2	22	12	504	4.08	5	5	ND	1	13	.2	2	4	82	.10	.101	10	38	.47	309	.02	5	1.93	.01	.08	1	40
22700E 20900N	1	24	27	265	.3	47	13	365	3.50	10	5	ND	3	24	.2	2	2	74	.35	.047	14	52	.40	575	.01	7	2.03	.01	.05	1	70
22700E 20850N	1	12	17	237	.4	15	9	268	3.74	43	5	ND	3	12	1.4	2	2	72	.10	.034	12	33	.33	275	.06	3	2.25	.01	.04	1	40
22700E 20800N	2	22	7	121	.1	29	13	280	3.49	20	5	ND	5	14	.2	2	2	58	.10	.021	12	41	.56	282	.06	2	2.73	.01	.05	1	40
22700E 20750N	1	20	15	122	.3	21	9	255	3.37	18	5	ND	4	14	.2	2	2	69	.10	.046	13	38	.46	295	.05	4	2.60	.01	.04	1	30
22700E 20700N	1	19	13	80	.1	25	11	283	3.67	16	5	ND	6	12	.2	2	2	62	.09	.060	13	40	.54	200	.07	5	2.58	.01	.05	1	30
22700E 20650N	1	13	9	64	.5	20	7	208	3.20	17	5	ND	3	13	.2	2	2	64	.09	.029	13	31	.32	212	.06	3	1.96	.01	.04	2	40
22700E 20600N	3	59	22	126	.7	41	11	188	3.97	37	5	ND	2	47	.2	5	2	54	.06	.060	10	28	.17	405	.02	3	1.29	.01	.09	1	100
22700E 20400N	4	31	44	150	.8	22	5	135	2.74	22	5	ND	1	65	.2	2	2	47	.17	.088	11	22	.15	940	.02	3	1.22	.01	.08	1	300
22700E 20350N	4	10	16	127	.1	19	6	178	3.20	18	5	ND	2	17	.2	4	2	56	.06	.028	12	20	.23	112	.05	4	1.03	.01	.06	1	30
22700E 20300N	1	10	14	203	.3	18	8	304	3.43	9	5	ND	3	14	.2	2	2	66	.11	.047	12	31	.38	258	.05	5	2.10	.01	.04	1	30
22700E 20250N	1	16	12	320	.4	33	15	1488	2.94	12	5	ND	2	31	.3	2	2	47	.30	.056	12	28	.34	933	.03	11	1.91	.01	.08	1	40
22700E 20200N	2	23	16	283	.5	48	16	508	3.62	5	5	ND	3	24	.2	2	2	54	.13	.052	11	32	.37	629	.03	4	2.21	.01	.07	2	30
22700E 20150N	8	20	34	221	.7	31	9	240	4.86	22	5	ND	1	174	.2	5	2	110	.16	.260	13	33	.22	568	.03	6	1.59	.01	.08	1	40
22700E 20100N	3	31	31	289	.6	25	6	527	2.50	43	5	ND	1	202	.2	4	4	41	.08	.090	7	15	.07	593	.01	5	.94	.01	.08	1	80
22700E 20050N	2	14	14	271	.5	25	8	200	3.28	28	5	ND	2	22	.2	2	2	67	.13	.086	12	33	.36	246	.04	6	2.35	.01	.04	2	160
22700E 20000N	4	19	12	255	.1	33	12	295	3.95	28	5	ND	4	26	.2	2	2	75	.16	.085	12	41	.57	340	.04	8	2.82	.01	.06	2	90
22700E 19950N	9	40	11	467	.1	69	13	469	4.21	64	5	ND	1	45	.7	6	2	62	.13	.110	10	30	.40	457	.03	7	1.77	.01	.07	1	130
22700E 19900N	11	52	14	274	.7	64	11	332	3.11	72	5	ND	2	163	1.4	10	2	106	.19	.138	12	36	.20	1186	.01	5	1.32	.01	.10	2	2400
22700E 19850N	4	30	16	177	.5	41	8	189	2.78	41	5	ND	1	54	.2	21	2	68	.27	.068	14	32	.43	611	.02	5	1.81	.01	.07	1	390
22700E 19800N	8	26	23	217	.3	42	11	140	3.27	27	6	ND	5	167	.2	3	2	62	.04	.065	23	16	.08	1458	.01	5	1.35	.01	.09	2	60
22700E 19750N	10	20	26	155	.3	30	8	55	2.13	21	5	ND	4	446	.2	6	7	88	.14	.121	24	15	.05	2155	.01	7	.80	.01	.11	2	50
22700E 19600N	18	42	43	314	1.4	50	9	212	3.17	139	5	ND	2	444	1.2	12	2	281	.62	.338	28	43	.14	4763	.01	12	1.53	.01	.13	3	760
22700E 19550N	2	20	13	107	.2	25	13	410	3.05	13	5	ND	2	43	.2	2	2	48	.33	.067	23	33	.47	387	.04	8	1.52	.01	.07	2	60
22700E 19450N	1	23	17	101	.2	25	10	299	3.03	11	7	ND	4	37	.2	2	6	45	.26	.061	21	33	.47	295	.04	7	1.62	.01	.06	1	60
22700E 19400N	1	17	12	85	.1	19	7	180	2.33	11	5	ND	3	40	.2	3	2	39	.27	.057	19	29	.46	268	.05	6	1.40	.01	.07	1	70
22700E 19300N	2	18	13	100	.1	29	9	175	3.35	15	5	ND	4	70	.2	2	2	36	.15	.048	32	29	.42	421	.01	6	1.50	.01	.06	3	60
22700E 19250N	2	25	26	161	.1	39	19	1376	3.79	11	5	ND	3	97	.2	3	2	37	.13	.071	33	26	.28	426	.02	7	.97	.01	.07	2	160
22700E 19200N	5	21	18	179	.1	36	11	173	3.68	20	6	ND	7	139	.2	7	4	72	.06	.041	51	25	.13	616	.01	5	1.38	.01	.07	3	20
22700E 19050N	1	19	10	69	.2	21	7	146	2.11	3	5	ND	1	24	.2	5	2	35	.23	.055	15	25	.41	275	.04	4	1.42	.01	.06	2	50
TANDARD C	18	57	41	132	7.2	68	32	1026	4.04	39	20	7	36	52	18.4	15	22	55	.52	.093	37	59	.93	179	.07	35	1.97	.06	.14	12	1400

MPLE#	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	Hg ppb
2700E 19000N	1	16	10	64	.1	21	6	185	1.77	5	5	ND	1	18	.7	2	2	33	.22	.051	15	28	.41	189	.04	2	1.29	.01	.04	1	30
2700E 18950N	1	16	13	52	.1	17	5	138	1.75	10	5	ND	1	16	.7	2	2	33	.16	.048	14	23	.36	159	.03	2	1.26	.01	.05	1	40
2700E 18900N	2	16	12	86	.3	22	8	201	2.95	12	5	ND	3	28	1.6	2	2	51	.08	.031	21	27	.32	249	.03	2	1.75	.01	.06	1	40
2700E 18850N	2	17	23	142	.1	25	14	481	3.23	15	5	ND	2	35	1.1	2	2	61	.13	.053	31	24	.27	389	.02	2	1.68	.01	.08	1	10
2700E 18750N	1	29	5	88	.6	30	9	190	2.20	20	5	ND	3	39	1.0	2	2	45	.37	.076	24	29	.43	428	.04	6	1.40	.01	.07	1	160
2700E 18700N	1	15	17	61	.1	22	9	232	2.46	12	5	ND	4	15	.5	2	2	48	.12	.020	17	31	.46	236	.05	3	1.99	.01	.05	1	20
2700E 18650N	1	17	19	98	.4	26	11	265	3.25	10	5	ND	4	14	1.1	2	2	56	.09	.030	19	31	.40	226	.03	2	2.25	.01	.07	1	20
2700E 18600N	1	15	17	95	.2	22	13	918	2.85	16	5	ND	2	21	1.2	2	2	51	.17	.050	18	28	.40	357	.04	6	1.61	.01	.08	1	30
2700E 18550N	1	16	16	52	.1	14	6	177	2.29	15	5	ND	2	17	.2	2	2	43	.11	.032	16	23	.38	175	.05	2	1.36	.01	.06	1	40
2700E 18500N	2	35	81	133	.7	40	15	422	3.26	22	5	ND	5	28	1.4	5	2	38	.07	.051	32	21	.34	276	.01	2	1.62	.01	.10	2	30
2800E 20950N	1	51	15	370	.2	27	10	319	2.89	20	5	ND	1	23	1.7	2	2	67	.10	.057	10	32	.21	436	.02	2	1.45	.01	.04	1	150
2800E 20900N	1	27	16	266	.9	27	10	652	3.32	17	5	ND	3	13	1.5	2	2	70	.12	.092	13	33	.39	215	.05	5	2.33	.01	.04	1	20
2800E 20850N	1	47	12	191	1.0	26	9	315	3.15	11	5	ND	2	18	1.4	2	3	65	.19	.051	12	35	.34	396	.03	6	1.86	.01	.06	1	90
2800E 20800N	1	52	33	339	.3	29	8	205	2.91	21	5	ND	1	20	4.3	2	2	52	.13	.040	16	31	.38	427	.03	6	1.73	.01	.06	1	330
2800E 20750N	1	17	31	59	.1	12	3	110	1.44	20	5	ND	1	18	.2	2	2	49	.07	.057	11	19	.12	289	.03	2	1.11	.01	.04	1	30
2800E 20700N	1	22	16	41	.1	15	4	96	1.47	27	5	ND	1	22	.2	2	2	47	.10	.036	10	17	.19	358	.02	2	1.12	.01	.04	3	50
2800E 20650N	1	44	14	53	.3	19	6	95	1.82	138	5	ND	1	80	.3	2	2	53	.04	.074	13	20	.06	1037	.03	2	.83	.01	.06	1	90
2800E 20600N	1	20	22	56	.5	18	8	199	3.14	19	5	ND	4	11	1.2	2	2	61	.10	.035	12	29	.29	167	.06	2	2.16	.01	.04	2	60
2800E 20550N	1	90	13	46	.2	71	27	1042	5.87	16	5	ND	1	69	1.9	2	2	55	1.35	.081	17	59	.27	5122	.01	8	1.44	.01	.10	1	110
2800E 20500N	1	46	4	62	.2	42	17	882	3.67	3	5	ND	1	108	1.8	2	2	44	1.84	.067	14	71	.52	4611	.01	8	1.24	.02	.08	1	90
2800E 20450N	4	44	16	113	.7	56	14	296	3.25	74	5	ND	1	68	1.3	6	2	40	.25	.153	6	13	.07	401	.01	10	.51	.01	.11	1	660
2800E 20400N	1	29	7	53	.3	22	11	660	2.23	3	5	ND	1	75	.9	2	2	41	2.90	.087	14	29	.30	1220	.01	6	1.20	.01	.03	1	170
2800E 20350N	1	35	14	99	.3	38	20	525	3.85	14	5	ND	2	23	1.4	2	2	55	.29	.074	14	28	.34	431	.02	6	1.35	.01	.09	1	270
2800E 20300N	1	14	18	56	.3	14	5	196	3.01	13	5	ND	1	13	.8	2	2	76	.10	.046	14	21	.18	192	.07	2	1.14	.01	.04	1	50
2800E 20250N	1	16	22	68	.6	28	10	273	3.62	16	5	ND	3	13	.9	2	2	63	.15	.028	14	33	.43	420	.05	3	2.23	.01	.05	2	40
2800E 20200N	2	16	11	52	.2	21	5	176	2.13	46	5	ND	2	19	.2	2	2	43	.09	.037	14	13	.14	295	.04	3	.90	.01	.05	1	30
2800E 20150N	1	27	21	82	.5	26	7	370	2.84	50	5	ND	3	29	.4	2	3	46	.11	.047	16	17	.22	442	.04	4	1.09	.01	.06	1	90
2800E 20100N	1	13	18	57	.3	19	6	206	2.85	15	5	ND	3	15	.7	2	6	58	.12	.027	12	24	.30	168	.06	2	1.73	.01	.04	1	40
2800E 20050N	1	22	24	82	.4	25	8	338	4.56	91	5	ND	3	19	1.6	2	2	71	.14	.041	12	31	.38	240	.07	2	1.86	.01	.06	1	20
2800E 20000N	1	32	16	66	.2	27	10	264	2.68	16	5	ND	5	13	.2	2	2	46	.10	.019	16	33	.48	214	.06	11	1.89	.01	.05	1	130
2800E 19950N	1	28	18	80	.2	23	9	256	2.60	15	5	ND	3	21	.7	2	3	49	.23	.043	17	33	.53	265	.06	2	1.70	.01	.05	1	80
2800E 19900N	1	26	19	78	.2	24	7	204	2.41	16	5	ND	2	21	.2	2	5	49	.22	.046	15	31	.47	249	.06	4	1.57	.01	.06	1	70
2800E 19850N	3	20	20	101	.7	22	7	207	2.59	101	5	ND	3	86	.7	25	2	79	.20	.069	13	29	.36	871	.04	7	1.53	.01	.07	1	110
2800E 19800N	4	20	23	141	.2	32	7	183	2.63	58	5	ND	3	56	.6	7	3	61	.14	.044	18	22	.34	655	.04	3	1.45	.01	.08	1	60
2800E 19750N	2	22	16	153	.3	35	8	201	2.61	63	5	ND	4	59	.7	11	2	57	.24	.046	18	25	.44	647	.04	4	1.46	.01	.07	1	160
2800E 19700N	2	25	14	131	.3	38	9	237	2.62	87	5	ND	3	49	.4	11	2	48	.28	.048	15	27	.41	549	.05	4	1.37	.01	.07	1	150
ANDARD C	18	62	43	133	7.7	72	32	1034	3.94	41	17	7	36	51	18.5	15	22	56	.51	.093	36	60	.84	181	.07	37	1.90	.06	.14	12	1500

AMPLE#	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	Hg ppb
12800E 19650N	3	28	16	150	.1	39	11	300	4.17	81	5	ND	3	45	.2	13	2	50	.35	.049	14	29	.49	487	.05	3	1.48	.01	.05	1	130
12800E 19600N	1	18	8	95	.1	24	12	258	3.47	35	5	ND	4	23	.2	6	2	51	.16	.030	18	33	.48	414	.05	5	1.73	.01	.03	2	70
12800E 19550N	3	18	55	181	.1	21	13	399	3.81	91	5	ND	2	42	.2	7	2	54	.16	.073	35	27	.21	534	.01	4	1.53	.01	.06	2	100
12800E 19500N	5	55	22	313	1.1	92	20	192	3.43	12	5	ND	1	144	2.6	2	2	38	.88	.091	17	20	.24	1212	.01	6	1.37	.01	.09	2	400
12800E 19450N	1	11	4	78	.1	25	10	386	2.91	10	5	ND	1	34	.2	3	2	44	.27	.057	17	35	.46	301	.03	3	1.52	.01	.04	1	40
12800E 19400N	4	16	20	81	.4	23	6	254	3.64	14	5	ND	2	66	.2	4	2	51	.19	.083	21	27	.33	734	.01	3	1.48	.01	.06	1	90
12800E 19350N	3	18	16	103	.3	24	10	214	3.17	18	5	ND	1	53	.4	4	2	53	.19	.057	21	29	.37	812	.03	6	1.40	.01	.06	2	80
12800E 19300N	2	29	12	106	.4	39	12	288	3.02	13	5	ND	4	59	.6	4	2	57	.34	.073	22	31	.48	1303	.05	7	1.53	.01	.06	1	100
12800E 19250N	3	33	14	82	.6	22	9	160	2.62	13	5	ND	2	55	1.2	3	2	62	.28	.069	21	30	.38	1328	.04	5	1.23	.01	.07	1	140
12800E 19200N	4	35	19	245	.1	61	22	408	5.07	49	5	ND	7	170	.2	12	2	52	.18	.083	40	31	.22	999	.03	3	.88	.01	.06	1	30
12800E 19150N	5	45	36	266	.1	65	33	1330	6.81	146	7	ND	2	151	.2	12	2	53	.06	.113	50	35	.19	537	.01	8	1.13	.01	.09	2	30
12800E 19100N	2	10	25	90	.4	14	8	336	3.87	19	5	ND	2	29	.7	5	2	64	.15	.043	25	31	.17	381	.04	2	1.15	.01	.04	1	20
12800E 19050N	2	24	18	153	.8	40	9	222	2.41	13	5	ND	1	233	2.0	3	2	45	1.94	.082	9	27	.44	984	.01	8	1.53	.01	.10	1	100
12800E 19000N	4	35	26	162	1.0	33	17	352	4.55	38	5	ND	2	66	1.1	4	2	45	.27	.137	33	30	.22	1042	.01	5	2.08	.01	.08	1	210
12800E 18950N	1	13	24	80	.2	17	6	139	2.35	30	5	ND	1	27	.4	3	2	37	.14	.042	17	22	.28	299	.02	4	1.42	.01	.04	1	20
12800E 18900N	4	53	62	271	.9	58	20	501	5.05	53	5	ND	5	80	1.5	7	2	55	.29	.065	30	39	.58	665	.01	8	2.00	.01	.10	1	70
12800E 18850N	1	36	19	166	.7	49	9	225	3.01	17	5	ND	4	125	1.0	3	2	62	1.05	.070	20	33	.57	841	.02	5	1.73	.01	.08	1	90
12800E 18800N	1	26	21	162	.3	29	15	582	2.70	15	5	ND	4	33	.9	4	5	46	.30	.060	23	29	.49	357	.04	7	1.51	.01	.05	1	80
12800E 18750N	1	19	12	68	.2	21	8	136	2.46	12	5	ND	1	21	.2	2	2	34	.23	.054	17	27	.46	192	.04	2	1.54	.01	.06	2	50
12900E 21000N	1	24	16	154	.1	17	9	303	3.56	16	5	ND	1	14	.2	2	2	51	.10	.062	13	28	.25	214	.02	6	1.23	.01	.06	1	50
12900E 20850N	2	61	12	96	.8	21	10	265	4.46	4	5	ND	1	16	.2	2	2	57	.20	.069	11	28	.34	479	.02	2	1.58	.01	.07	1	60
12900E 20800N	1	47	126	699	.3	55	20	724	4.00	12	5	ND	1	43	1.4	3	2	60	1.33	.082	15	46	.48	844	.01	9	1.65	.01	.06	1	450
12900E 20750N	2	46	66	333	.6	34	27	1663	2.93	50	5	ND	2	57	2.6	5	2	47	.54	.112	12	28	.33	844	.01	7	1.49	.01	.08	29	520
12900E 20700N	2	104	27	119	1.1	43	14	2129	2.35	43	5	ND	1	74	1.0	2	2	43	.80	.179	11	25	.21	1328	.01	5	1.73	.01	.08	4	820
12900E 20650N	1	57	15	66	.4	25	9	263	3.27	25	5	ND	2	31	.2	2	5	56	.43	.080	12	35	.44	702	.02	8	1.98	.01	.06	1	290
12900E 20600N	1	44	20	67	.1	24	10	355	3.61	15	5	ND	3	20	.2	2	2	45	.21	.053	13	31	.47	279	.04	6	1.57	.01	.05	1	50
12900E 20550N	1	39	31	245	.2	40	15	424	3.40	38	5	ND	2	51	.2	2	2	54	.91	.101	15	42	.62	709	.02	8	1.55	.01	.08	1	170
12900E 20500N	1	22	20	69	.1	33	26	1130	5.23	5	5	ND	2	16	.2	2	2	67	.32	.062	10	43	.52	477	.03	2	2.12	.01	.05	1	40
12900E 20250N	1	22	17	85	.1	40	21	480	5.05	8	5	ND	3	14	.2	2	2	100	.21	.030	11	59	.74	866	.03	4	3.31	.01	.05	1	30
12900E 20200N	3	71	18	167	.4	60	28	823	6.36	11	5	ND	2	49	.8	2	2	96	1.01	.075	15	50	.47	1342	.01	7	2.31	.01	.12	1	350
12900E 20150N	2	10	19	46	.4	17	6	176	2.27	24	5	ND	2	37	.2	2	2	52	.35	.040	10	19	.14	421	.02	5	.93	.01	.06	1	120
12900E 20100N	1	14	10	55	.1	14	6	238	2.46	22	5	ND	2	19	.2	2	2	35	.19	.047	12	18	.27	311	.03	5	1.03	.01	.05	1	60
12900E 20050N	2	41	19	105	.6	45	17	301	3.96	127	5	ND	4	72	.2	7	2	31	.45	.026	12	20	.22	531	.01	7	1.25	.01	.06	1	190
12900E 20000N	1	13	23	88	.1	24	11	265	3.73	107	5	ND	5	21	.2	75	2	48	.15	.034	13	36	.51	149	.05	3	2.47	.01	.04	1	400
12900E 19950N	1	15	26	72	.1	23	10	287	3.80	127	5	ND	5	19	.2	5	2	50	.20	.024	16	31	.46	215	.04	4	2.07	.01	.04	1	250
12900E 19850N	2	25	19	118	.3	26	10	229	2.68	27	5	ND	4	54	.3	7	2	47	.40	.055	20	28	.45	922	.05	5	1.47	.01	.06	1	450
TANDARD C	18	61	43	132	7.2	66	31	1048	4.06	38	20	7	36	51	18.9	15	18	55	.56	.093	35	59	.93	179	.07	36	2.02	.06	.14	13	1400

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	Hg ppb
22900E 19800N	3	28	12	126	.2	23	8	262	2.43	126	5	ND	2	55	.3	39	2	41	.19	.052	16	20	.30	715	.03	3	1.05	.01	.06	2	520
22900E 19750N	1	11	7	45	.1	13	5	121	2.19	15	5	ND	3	14	.2	2	2	34	.16	.045	11	20	.33	168	.04	2	1.26	.01	.03	1	50
22900E 19700N	7	24	20	187	.5	47	9	111	3.58	32	5	ND	3	214	.2	5	2	31	.07	.063	28	11	.08	720	.01	3	.45	.01	.17	1	40
22900E 19450N	2	29	12	164	.3	28	9	220	3.21	13	5	ND	5	44	.3	2	2	33	.06	.040	17	20	.35	231	.01	4	1.16	.01	.07	1	20
22900E 19400N	4	46	21	323	.5	40	16	226	4.59	18	5	ND	7	91	1.1	6	2	36	.04	.055	27	22	.35	448	.01	3	1.35	.02	.11	1	40
22900E 19350N	4	22	17	94	.1	15	4	116	2.27	11	5	ND	1	68	.2	2	2	41	.05	.042	21	18	.23	501	.01	2	1.00	.01	.06	1	20
22900E 19300N	12	25	16	110	.4	13	2	29	2.54	27	5	ND	4	173	.2	6	2	56	.02	.052	28	9	.09	311	.01	4	.79	.03	.14	1	30
22900E 19250N	11	34	19	155	.4	27	8	169	2.53	25	5	ND	4	175	.9	6	2	36	.07	.059	36	13	.15	1184	.01	4	.73	.01	.11	2	30
22900E 19200N	3	27	25	196	.1	51	18	442	4.23	35	5	ND	5	64	.2	4	2	38	.04	.067	28	29	.30	225	.02	3	1.10	.01	.09	1	10
22900E 19150N	3	40	39	132	.1	27	10	372	4.55	16	5	ND	4	35	.3	2	2	45	.02	.061	27	31	.48	148	.01	2	1.96	.01	.07	1	30
22900E 19100N	5	73	122	326	.4	67	31	2390	7.60	151	5	ND	12	35	.7	33	2	90	.15	.132	56	75	.31	381	.05	2	1.34	.01	.10	2	40
22900E 19050N	1	17	15	80	.4	24	11	287	3.42	20	5	ND	4	20	.7	2	2	51	.12	.038	11	34	.45	400	.04	2	2.18	.01	.03	1	50
22900E 19000N	3	17	24	93	.5	12	4	118	2.17	42	5	ND	4	61	.3	4	2	42	.07	.036	20	17	.25	562	.02	4	1.13	.01	.06	1	40
22900E 18950N	2	17	19	96	.5	19	6	152	2.49	69	5	ND	2	46	.3	6	2	45	.17	.053	20	21	.32	451	.01	2	1.56	.01	.06	1	110
22900E 18900N	1	15	4	54	.3	15	6	114	2.31	16	5	ND	2	15	.7	2	2	38	.08	.034	11	21	.30	209	.03	3	1.33	.01	.03	1	40
22900E 18850N	1	7	6	47	.1	9	3	90	1.92	8	5	ND	1	13	.7	2	2	51	.07	.022	12	20	.23	227	.03	3	1.23	.01	.03	1	10
22900E 18800N	2	16	12	108	.2	17	4	139	2.40	27	5	ND	1	25	.5	2	2	65	.15	.058	11	25	.34	234	.02	4	1.43	.01	.04	1	90
22900E 18700N	4	21	23	102	.3	14	5	127	3.17	15	5	ND	1	25	1.2	2	2	44	.14	.060	27	15	.11	281	.01	2	1.12	.01	.09	2	20
22900E 18650N	1	23	19	74	.3	24	8	177	2.26	49	5	ND	3	32	.7	8	2	26	.18	.049	21	16	.30	224	.02	5	.97	.01	.07	2	40
22900E 18600N	1	38	8	85	.1	25	12	216	3.24	43	5	ND	5	21	.5	5	2	35	.16	.051	19	24	.42	148	.06	2	1.15	.01	.06	1	10
22900E 18550N	1	23	11	84	.1	35	18	413	3.06	12	5	ND	4	15	.2	2	2	33	.09	.046	15	24	.41	147	.03	2	1.50	.01	.05	1	20
22900E 18500N	2	14	11	53	.2	10	6	146	3.28	14	5	ND	4	11	.2	2	2	47	.05	.034	18	23	.24	171	.03	2	1.61	.01	.05	1	30
23000E 21000N	1	23	8	80	.2	20	9	308	3.16	7	5	ND	2	10	.5	2	2	52	.09	.047	9	30	.45	362	.02	3	1.73	.01	.06	1	40
23000E 20950N	7	48	11	365	.7	71	21	480	5.81	13	5	ND	2	37	2.2	4	2	136	.12	.146	13	46	.47	811	.01	6	2.12	.01	.12	1	80
23000E 20900N	1	17	14	104	.5	21	10	307	3.38	11	5	ND	3	10	.2	2	2	53	.08	.027	10	41	.45	463	.03	5	1.78	.01	.05	1	50
23000E 20850N	1	22	14	140	.2	22	8	325	3.01	12	5	ND	2	15	1.2	3	2	51	.13	.035	11	29	.37	366	.02	3	1.44	.01	.04	1	40
23000E 20800N	1	46	10	57	.3	21	13	362	4.36	206	5	ND	1	14	.2	2	2	62	.16	.087	10	22	.30	287	.01	6	1.49	.01	.04	1	120
23000E 20750N	1	12	5	36	.1	13	4	310	2.34	24	5	ND	2	9	.2	2	2	46	.09	.022	9	20	.26	132	.04	4	1.16	.01	.03	1	20
23000E 20700N	1	21	6	42	.4	8	6	116	2.50	80	5	ND	1	10	.2	3	2	68	.07	.050	9	16	.18	224	.03	5	.92	.01	.04	1	50
23000E 20650N	1	29	2	43	.4	19	10	339	3.68	11	5	ND	2	13	.2	2	2	61	.13	.060	9	19	.22	280	.02	2	1.41	.01	.04	1	20
23000E 20600N	1	43	2	61	.2	21	20	645	6.57	8	5	ND	2	30	.2	2	2	97	.34	.062	8	17	.35	1099	.01	2	1.61	.01	.06	1	40
23000E 20550N	1	33	2	56	.1	13	5	162	2.38	12	5	ND	2	22	.2	2	2	46	.26	.028	9	18	.17	444	.02	3	1.12	.01	.03	1	30
23000E 20500N	1	66	4	42	.1	32	11	236	3.36	27	5	ND	1	25	.2	2	2	47	.15	.050	8	28	.17	2607	.01	6	1.43	.01	.09	1	50
23000E 20450N	1	33	2	61	.3	15	8	300	3.06	75	5	ND	3	14	.2	2	2	54	.10	.040	12	29	.42	254	.02	5	1.48	.01	.05	1	120
23000E 20400N	1	28	6	60	.1	25	8	213	2.68	12	5	ND	3	15	.2	2	2	41	.16	.042	13	30	.51	261	.05	7	1.43	.01	.04	1	40
23000E 20300N	1	30	6	89	.1	28	14	419	2.97	7	5	ND	1	27	.2	2	2	77	.54	.062	10	51	.63	906	.02	9	1.10	.01	.05	1	90
STANDARD C	19	59	41	132	7.3	72	31	1030	4.19	43	23	7	37	53	18.7	16	18	56	.53	.099	37	59	.93	181	.07	38	1.99	.06	.14	11	1500

AMPLE#	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	Hg ppb
23000E 20250N	1	11	6	54	.2	13	5	152	2.05	8	5	ND	1	13	.2	2	4	59	.19	.033	10	23	.25	455	.04	3	.99	.01	.04	2	60
23000E 20200N	1	13	14	52	.1	20	9	190	2.93	11	5	ND	3	14	.3	2	2	58	.21	.031	10	30	.39	292	.04	2	1.45	.01	.05	1	20
23000E 20150N	1	41	13	61	.2	60	21	525	3.74	6	5	ND	1	53	.3	2	2	83	2.03	.072	14	77	.71	1376	.02	3	1.88	.01	.03	1	60
23000E 20050N	1	19	7	62	.2	21	7	774	1.26	53	5	ND	1	140	.2	3	2	15	5.33	.039	6	14	.30	267	.02	7	.64	.01	.05	1	280
23000E 19900N	6	23	22	154	.2	32	9	300	2.43	130	5	ND	6	83	.2	10	2	44	.11	.038	28	11	.11	477	.01	6	.73	.01	.09	2	190
23000E 19850N	2	16	15	85	.4	18	6	192	1.67	46	5	ND	2	39	.6	7	2	45	.21	.046	15	22	.34	609	.03	3	1.23	.01	.06	1	290
23000E 19800N	1	14	15	111	.4	23	14	730	2.03	79	5	ND	2	40	.4	38	2	41	.29	.061	13	25	.38	513	.03	2	1.37	.01	.05	1	450
23000E 19650N	1	14	35	109	.1	19	9	361	2.87	83	5	ND	6	31	.5	7	2	54	.36	.026	27	28	.39	522	.04	2	1.65	.01	.05	1	140
23000E 19600N	2	12	15	65	.2	13	5	139	2.74	21	5	ND	2	24	.5	2	2	51	.07	.031	12	17	.21	197	.04	2	.99	.01	.05	1	10
23000E 19550N	9	22	27	73	.3	15	4	50	2.43	49	5	ND	6	80	.3	7	3	83	.13	.038	26	11	.06	1195	.01	2	.75	.01	.08	2	20
23000E 19500N	1	11	13	73	.1	17	5	141	1.80	11	5	ND	2	26	.2	2	2	37	.21	.051	14	20	.35	346	.03	3	1.06	.01	.05	1	40
23000E 19450N	1	11	20	70	.2	16	5	114	1.66	7	5	ND	3	32	.2	2	2	32	.18	.042	16	23	.38	562	.03	3	1.18	.01	.06	2	60
23000E 19400N	6	28	24	140	.5	27	11	284	2.79	17	5	ND	5	85	.8	2	2	41	.09	.051	29	19	.28	1387	.01	5	1.18	.01	.10	1	80
23000E 19250N	3	21	28	126	.6	28	12	504	2.68	24	5	ND	3	55	1.0	5	2	47	.16	.068	26	31	.45	561	.01	3	1.45	.01	.07	1	50
23000E 19200N	8	52	55	259	1.2	38	10	545	3.28	34	5	ND	8	103	1.8	12	2	53	.21	.088	42	31	.36	1394	.03	2	1.08	.01	.14	1	90
23000E 19150N	6	39	45	224	.5	37	9	298	4.13	36	5	ND	2	68	1.2	6	2	95	.04	.088	36	36	.28	497	.02	2	1.31	.02	.10	1	30
23000E 19100N	2	14	23	94	.1	12	6	667	2.01	17	5	ND	1	24	1.1	2	2	51	.09	.069	18	23	.18	279	.03	3	1.00	.01	.05	1	20
23000E 19050N	3	17	30	165	.6	23	6	224	2.86	190	5	ND	1	37	2.4	3	2	57	.13	.088	19	22	.36	619	.02	5	1.59	.01	.06	1	30
23000E 19000N	2	12	20	62	.3	13	5	168	1.80	232	5	ND	2	36	.6	4	2	46	.12	.032	16	20	.25	469	.02	3	1.24	.01	.06	1	50
23000E 18950N	1	15	23	85	.6	21	7	278	2.16	33	5	ND	3	21	.4	2	3	40	.16	.049	16	22	.42	250	.02	5	1.48	.01	.05	1	40
23000E 18900N	1	14	20	90	.2	17	7	230	3.30	28	5	ND	4	18	.7	2	2	65	.08	.036	14	32	.46	260	.03	2	1.99	.01	.05	1	10
23000E 18850N	4	19	26	88	.8	14	4	109	1.82	66	5	ND	5	65	.6	10	2	24	.05	.029	31	8	.12	387	.01	5	.68	.01	.09	1	60
23000E 18800N	2	40	51	113	2.0	19	7	194	1.97	92	5	ND	3	157	2.4	13	2	33	1.21	.062	19	16	.18	803	.01	2	1.34	.01	.13	1	170
23000E 18700N	1	22	16	93	.2	17	8	204	3.39	15	5	ND	5	15	1.2	2	2	52	.06	.041	16	27	.35	205	.04	2	1.91	.01	.07	1	30
23000E 18650N	1	35	39	102	.4	27	14	269	2.95	187	5	ND	5	58	1.0	16	3	32	.08	.050	29	16	.27	247	.02	2	1.02	.01	.10	1	40
23000E 18600N	1	12	17	66	.1	16	10	308	3.44	19	5	ND	3	11	.7	2	2	47	.07	.039	12	24	.34	110	.05	2	1.49	.01	.05	1	10
23000E 18550N	1	27	17	93	.4	21	18	839	2.98	28	5	ND	2	16	.7	4	2	43	.09	.068	17	26	.40	180	.04	5	1.34	.01	.07	1	30
23000E 18500N	1	20	13	83	.4	16	10	402	3.62	35	5	ND	4	15	.5	3	2	63	.10	.055	13	28	.37	239	.05	4	1.71	.01	.07	1	20
TANDARD C	17	58	38	131	7.2	68	31	1055	3.85	40	18	6	36	52	18.6	14	17	55	.48	.095	35	55	.85	182	.07	34	1.76	.06	.14	11	1500

ACME A' 'TICAL LABORATORIES LTD. 852 E. HASTINGS ST. NCOUVER B.C. V6A 1R6 PHONE(604)253-3158 FA' '04)253-1716

GEOCHEMIC... ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9008-103 323 File # 90-4599

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5

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	Hg ppb
23300E 18850N	1	17	32	74	.2	16	6	158	3.15	21	5	ND	1	19	.5	2	2	48	.12	.030	13	28	.42	150	.04	5	1.70	.01	.04	1	70
23300E 18900N	1	10	18	66	.3	9	6	220	3.00	21	5	ND	1	12	.6	3	5	59	.12	.039	11	24	.37	130	.04	3	1.47	.01	.04	1	30
23300E 18950N	2	17	35	166	.1	6	4	187	2.58	307	5	ND	1	7	.2	16	2	65	.05	.036	19	15	.22	68	.02	3	1.29	.01	.07	1	20
23300E 19000N	1	10	38	69	.3	8	3	129	1.47	76	5	ND	1	17	.8	4	2	27	.15	.039	16	16	.21	123	.02	3	.85	.01	.04	1	60
23300E 19050N	1	26	201	103	1.4	10	4	394	2.62	136	5	ND	1	13	1.3	5	2	47	.09	.048	25	21	.23	172	.02	4	1.46	.01	.04	2	50
23300E 19100N	3	12	175	255	2.5	15	9	691	2.95	145	6	ND	2	45	1.1	9	2	48	.62	.066	19	23	.42	210	.02	5	1.66	.01	.06	1	140
23300E 19150N	2	24	110	175	2.0	24	11	822	2.68	50	5	ND	2	87	1.7	6	3	36	.56	.088	39	23	.30	549	.01	5	1.41	.01	.08	1	120
23300E 19200N	3	16	50	131	.6	20	11	495	3.02	41	5	ND	4	53	.4	4	3	44	.25	.061	30	23	.44	439	.01	5	1.44	.01	.07	1	80
23300E 19250N	4	9	62	116	.6	18	15	1003	3.38	58	5	ND	3	50	.4	6	3	57	.27	.062	24	23	.44	435	.02	6	1.35	.01	.08	1	40
23300E 19300N	2	11	52	110	.6	16	10	533	2.30	36	5	ND	3	35	.3	4	2	46	.26	.054	22	25	.45	306	.02	6	1.45	.01	.06	1	60
23300E 19350N	1	13	65	116	.9	18	9	409	3.09	52	5	ND	2	31	.4	4	6	47	.34	.070	22	28	.49	263	.03	4	1.59	.01	.06	1	70
23300E 19400N	2	10	64	123	.5	15	19	1237	3.02	58	5	ND	1	30	.2	5	6	58	.31	.060	21	29	.54	279	.03	5	1.53	.01	.06	2	120
23300E 19450N	2	13	33	90	.5	17	7	330	2.29	27	5	ND	1	27	.6	3	3	41	.27	.057	18	24	.40	227	.03	5	1.30	.01	.05	1	50
23300E 19500N	2	15	477	252	1.8	22	9	458	2.35	338	5	ND	1	33	2.8	128	2	42	.17	.053	22	19	.24	277	.03	3	1.08	.01	.05	1	1500
23300E 19550N	3	24	370	476	2.1	41	13	906	3.71	941	5	ND	3	45	6.5	115	4	45	.25	.070	25	23	.34	333	.02	4	1.36	.01	.06	1	1600
23300E 19600N	2	18	136	182	1.0	21	8	218	3.17	167	5	ND	4	33	1.4	32	2	44	.46	.065	16	24	.50	245	.04	4	1.43	.01	.05	1	780
23300E 19650N	3	20	16	285	.2	37	10	579	2.09	38	5	ND	1	78	2.3	10	4	48	.97	.070	16	21	.43	547	.02	4	1.17	.01	.07	1	350
23300E 19700N	3	19	12	89	.1	19	8	234	2.65	28	5	ND	3	41	.2	5	2	37	.23	.026	12	17	.31	261	.04	3	.96	.01	.09	1	30
23300E 19750N	2	29	12	149	.3	30	15	1655	4.03	31	5	ND	1	41	.2	6	6	41	.54	.053	11	22	.33	477	.02	4	1.72	.01	.10	1	40
23300E 19800N	4	73	14	180	.8	61	23	1899	5.44	102	5	ND	3	120	.5	10	7	29	.57	.069	13	16	.26	577	.01	7	1.47	.01	.15	1	90
23300E 19850N	1	15	5	74	.3	22	13	1563	2.98	6	5	ND	1	20	.3	3	2	45	.27	.031	10	23	.33	371	.03	4	1.73	.01	.09	1	40
23300E 19900N	1	30	13	94	.1	31	16	1069	3.86	12	5	ND	3	21	.2	2	3	39	.24	.025	10	23	.34	409	.02	5	2.00	.01	.11	1	40
23300E 19950N	1	12	9	97	.3	16	8	223	2.89	8	5	ND	2	17	.2	2	5	50	.11	.044	13	20	.28	227	.03	4	1.66	.01	.05	1	30
23300E 20000N	2	26	32	76	.2	24	11	222	3.32	25	5	ND	1	188	.4	3	2	52	.54	.243	14	23	.29	264	.03	4	1.29	.01	.09	1	60
23300E 20050N	2	13	9	52	.4	15	7	234	3.42	13	5	ND	2	17	.3	2	2	56	.11	.042	10	23	.27	144	.04	4	1.54	.01	.06	1	40
23300E 20100N	1	14	8	63	.1	18	7	155	2.61	6	5	ND	3	18	.2	2	2	41	.15	.021	11	16	.21	189	.02	4	1.13	.01	.05	1	30
23300E 20150N	2	19	16	93	.7	23	10	396	3.51	23	5	ND	3	23	.2	2	6	65	.15	.048	12	33	.49	236	.05	3	2.42	.01	.04	1	30
23300E 20200N	13	34	13	113	.8	42	10	300	3.43	14	5	ND	1	22	.2	3	6	61	.10	.086	8	16	.10	261	.01	6	.93	.01	.09	1	80
23300E 20250N	6	28	20	139	.2	36	10	208	3.40	14	5	ND	2	36	.2	2	2	62	.23	.142	11	27	.27	283	.02	7	1.56	.01	.10	1	40
23300E 20300N	1	35	8	65	.1	25	13	430	3.09	26	5	ND	3	22	.2	2	4	58	.31	.037	16	34	.58	630	.02	4	1.73	.01	.06	1	30
23300E 20350N	1	21	7	81	.1	21	9	348	3.21	21	5	ND	2	19	.2	2	5	56	.32	.034	14	30	.42	397	.03	4	1.60	.01	.06	1	20
23300E 20400N	1	13	8	62	.4	20	9	246	2.88	25	5	ND	3	15	.7	2	6	56	.13	.026	16	28	.39	353	.03	2	1.70	.01	.04	1	30
23300E 20450N	1	19	10	74	.2	23	10	288	4.06	180	5	ND	3	19	.4	2	3	69	.18	.061	16	35	.49	465	.03	4	1.94	.01	.05	1	20
23300E 20500N	1	29	9	111	.1	24	16	747	4.14	217	5	ND	1	18	.7	2	7	65	.17	.069	19	34	.44	620	.03	5	2.08	.01	.08	1	20
STANDARD C	18	58	36	131	7.0	71	31	1055	3.98	40	20	7	38	53	18.9	15	20	55	.52	.092	37	56	.91	179	.07	37	1.89	.06	.14	11	1600

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: SOIL PULP HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: SEP 20 1990 **DATE REPORT MAILED:** Sept 25/90 **SIGNED BY** C. Leong .D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

NORANDA VANCOUVER LABORATORY

PROPERTY/LOCATION: BREWERY CR. CODE :9008-103

Project No. :323 Sheet:1 of 1 Date rec'd:AUG 23
Material :34 SOILS Geol.:K.G. Date compl:SEP 21
Remarks :

Values in PPM, except where noted.

T. No.	SAMPLE No.	PPB Au	
11	23300E-18850N	5	
12	18900	5	
13	18950	5	
14	19000	20	
15	19050	5	
16	19100	10	
17	19150	10	
18	19200	5	
19	19250	5	
20	19300	5	
21	19350	40	
22	19400	15	
23	19450	10	
24	19500	250	
25	19550	640	
26	19600	50	
27	19650	35	
28	19700	5	
29	19750	10	-35 MESH
30	19800	10	-35 MESH
31	19850	5	
[illegible]	19900	5	
	19950	10	
[illegible]	20000	10	
35	20050	5	
36	20100	5	
37	20150	5	
38	20200	5	
39	20250	5	
40	20300	10	
41	20350	5	
42	20400	5	
43	20450	20	
44	23300E-20500N	10	

NORANDA VANCOUVER LABORATORY

)PERTY/LOCATION:BREWERY CREEK CODE : 9009-014

Project No. :323 Sheet:1 of 2 Date rec'd:AUG 31
Material :81 SOILS Geol.:G.Mc Date compl:SEP 25
Remarks :

Values in PPM, except where noted.

F.T. No.	SAMPLE No.	PPB Au	
70	23100E-18500N	20	
71	18550	20	
72	18600	5	
73	18650	70	
74	18700	15	
75	18750	5	
76	18800	5	
77	18850	5	
78	18900	5	
79	18950	5	
80	19000	5	
81	19050	5	
82	19100	5	
83	19150	5	
84	19200	5	
85	19250	5	
86	19300	5	
87	19350	5	
88	19400	5	
89	19450	5	
90	19500	10	
91	19550	15	
92	19600	40	
	19650	50	
	19700	150	
	19750	40	
96	19800	10	
97	19850	5	
98	19900	10	
99	19950	5	
100	20000	10	
52	20050	5	
53	20100	5	
54	20150	5	
55	20200	5	
56	20250	5	
57	20300	5	
58	20350	5	
59	20400	5	
60	20450	5	
61	23100E-20500N	5	
62	23400E-18500N	5	
63	18550	5	
64	18600	5	
65	18650	5	
66	18700	20	
67	18750	5	
68	18800	5	
69	18850	5	-35 MESH
70	18900	5	
71	18950	5	
72	19000	5	
73	19050	5	-35 MESH
74	19100	45	-35 MESH
75	19150	60	
76	19200	160	
77	19250	320	
	19300	320	
	19350	60	
	19400	70	
81	19450	50	
82	23400E-19500N	65	

Also Mhse EP

T.T. No.	SAMPLE No.	PPB Au	
	23400E-19550N	5	-35 MESH
84	19600	5	
85	19650	5	
86	19750	5	
87	19800	5	
88	19850	5	
89	19900	5	
90	19950	5	
91	20000	130	
92	20050	5	
93	20100	5	
94	20150	5	
95	20200	5	
96	20250	5	
97	20300	5	
98	20350	5	
99	20400	5	
100	20450	5	
1Y	23400E-20500N	5	

ACME ANAI AL LABORATORIES LTD. 852 E. HASTINGS ST. VI IVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(6 53-1716

GEOCHEMICAL ANALYSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9009-014 323 File # 90-4639 Page 1

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5

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	Hg ppb
23100E 18500N	2	47	19	86	.3	23	23	1115	3.62	148	5	ND	1	24	1.0	2	2	57	.19	.101	18	28	.53	170	.06	5	1.89	.01	.09	1	80
23100E 18550N	3	45	21	96	.5	27	12	287	5.55	95	5	ND	3	23	1.2	3	2	74	.10	.074	19	31	.43	229	.08	4	2.04	.01	.13	1	60
23100E 18600N	2	53	31	78	.3	22	7	136	3.22	75	5	ND	1	33	1.6	4	2	46	.10	.072	27	22	.26	341	.02	3	1.39	.01	.12	1	80
23100E 18650N	2	63	19	81	.3	24	8	155	3.48	110	5	ND	1	29	.9	14	2	40	.12	.078	24	27	.41	291	.03	3	1.68	.01	.13	1	180
23100E 18700N	1	47	15	59	.6	21	6	108	2.29	60	5	ND	1	25	.9	9	2	36	.15	.073	18	22	.39	227	.02	5	1.43	.01	.09	1	210
23100E 18750N	1	25	19	88	.5	32	9	249	3.25	11	5	ND	4	16	.7	2	2	50	.08	.029	20	32	.47	190	.03	3	2.23	.01	.07	1	40
23100E 18800N	2	16	29	113	.6	22	7	297	3.57	25	5	ND	4	32	1.0	5	2	56	.18	.032	20	29	.49	281	.03	4	2.13	.01	.09	1	30
23100E 18850N	2	20	142	335	.7	25	9	677	3.88	175	5	ND	5	33	2.9	18	2	49	.11	.053	26	25	.36	323	.02	4	1.74	.01	.08	1	40
23100E 18900N	2	8	44	92	.4	11	5	256	2.31	62	5	ND	1	22	.9	4	2	51	.13	.045	16	23	.32	297	.02	4	1.56	.01	.05	1	50
23100E 18950N	1	12	19	59	.2	15	6	173	2.30	36	5	ND	1	16	.8	2	2	44	.17	.038	16	26	.39	193	.03	2	1.65	.01	.04	1	50
23100E 19000N	1	9	23	102	.2	15	7	298	3.11	41	5	ND	3	18	.8	2	2	59	.15	.036	14	29	.41	258	.04	2	2.17	.01	.04	1	40
23100E 19050N	4	23	47	143	.5	24	7	287	2.26	44	5	ND	5	98	.8	6	2	34	.52	.070	32	17	.30	584	.01	4	.96	.01	.08	1	120
23100E 19100N	11	23	34	151	.4	28	3	51	1.82	26	5	ND	1	97	1.2	8	2	136	.06	.072	27	24	.08	581	.01	7	.93	.01	.10	1	50
23100E 19150N	6	26	51	90	.8	16	3	50	1.81	49	5	ND	1	60	.9	6	2	30	.14	.073	29	14	.07	656	.01	7	.72	.01	.09	1	130
23100E 19200N	5	23	22	130	.2	36	10	204	3.09	21	5	ND	5	154	.3	2	2	50	.06	.040	26	24	.31	691	.01	5	1.39	.01	.08	1	120
23100E 19250N	8	42	33	264	.2	63	17	594	5.29	53	5	ND	4	112	1.2	12	2	87	.10	.099	28	56	.33	274	.04	6	1.59	.02	.23	1	60
23100E 19300N	9	41	19	235	.2	40	11	446	3.99	26	5	ND	5	167	1.7	4	2	44	.06	.062	31	16	.21	188	.01	6	1.07	.03	.15	1	40
23100E 19350N	5	30	19	132	.2	26	10	264	3.43	20	5	ND	5	71	.7	3	2	41	.16	.054	26	25	.45	667	.02	3	1.31	.02	.10	1	50
23100E 19400N	4	24	13	128	.1	26	6	138	3.05	29	5	ND	2	50	.3	2	2	47	.11	.042	22	22	.29	481	.02	4	1.19	.01	.08	1	80
23100E 19450N	3	20	19	106	.3	25	9	264	3.03	17	5	ND	3	45	.7	2	2	48	.30	.063	19	28	.47	713	.03	5	1.61	.01	.08	1	200
23100E 19500N	2	16	43	121	.4	23	9	258	2.36	45	5	ND	2	43	.5	3	2	43	.25	.060	26	25	.36	588	.01	3	1.40	.01	.06	1	260
23100E 19550N	3	13	33	128	.6	21	8	213	2.85	98	5	ND	3	56	.4	6	2	56	.43	.069	23	26	.38	536	.02	4	1.35	.01	.06	1	560
23100E 19600N	4	21	23	111	.3	24	7	179	2.37	165	6	ND	1	52	.4	11	2	57	.21	.034	23	19	.21	797	.02	3	1.13	.01	.08	1	200
23100E 19650N	10	16	59	84	4.0	17	5	169	3.01	250	6	ND	1	177	.8	21	2	135	.15	.085	19	24	.26	440	.03	3	1.27	.01	.11	1	900
23100E 19700N	14	75	74	332	1.8	63	11	611	3.74	673	9	ND	5	353	5.2	136	2	389	.36	.234	38	55	.12	2621	.01	7	1.02	.01	.10	1	2800
23100E 19750N	2	23	30	157	.3	27	10	619	3.23	160	6	ND	3	104	.8	9	2	61	1.26	.075	35	33	.61	1019	.01	2	2.03	.01	.09	1	340
23100E 19800N	2	18	27	147	.5	14	8	997	2.52	25	5	ND	1	110	1.6	3	2	74	1.37	.060	17	29	.56	725	.04	4	1.39	.01	.09	1	100
23100E 19850N	7	24	46	230	.5	19	4	166	2.89	40	7	ND	6	105	1.3	5	2	127	.18	.070	33	21	.24	535	.01	4	1.50	.01	.15	1	50
23100E 19900N	3	15	25	189	.5	24	11	446	4.54	98	5	ND	2	34	.8	25	2	98	.42	.048	14	39	.91	1203	.05	5	3.07	.01	.06	1	90
23100E 19950N	10	4	17	46	.2	6	1	25	.64	12	5	ND	2	29	.2	4	2	115	.20	.013	17	11	.06	468	.01	7	.63	.01	.08	1	60
23100E 20000N	4	16	35	206	.3	16	11	1241	4.18	22	5	ND	1	94	2.1	2	2	75	1.17	.085	26	29	.59	1638	.01	5	2.32	.01	.13	1	50
23100E 20050N	4	12	24	161	.1	20	8	339	3.63	26	5	ND	2	28	2.2	4	2	79	.38	.062	18	30	.54	414	.02	4	2.25	.01	.11	1	100
23100E 20100N	3	14	26	110	.2	17	6	197	3.04	43	5	ND	1	39	.6	6	2	59	.43	.066	24	24	.32	611	.01	2	1.55	.01	.08	1	190
23100E 20150N	9	21	14	25	.7	13	1	2	.64	16	5	ND	1	95	.9	8	2	115	.08	.080	5	16	.02	653	.01	10	.44	.01	.09	1	1600
23100E 20200N	1	58	2	105	.3	76	24	629	4.75	4	5	ND	1	65	.9	2	2	112	2.29	.063	17	97	1.77	1405	.04	4	2.95	.01	.07	1	120
23100E 20250N	3	57	4	134	1.2	60	14	262	4.00	30	7	ND	1	47	1.5	3	2	119	1.49	.047	19	74	.86	1170	.02	7	2.32	.02	.08	1	380
STANDARD C	18	60	39	132	7.1	73	31	1058	3.98	42	16	7	37	53	19.0	16	19	56	.53	.099	36	60	.90	180	.07	37	1.90	.06	.13	13	1400

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: SOIL PULP HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: SEP 20 1990 DATE REPORT MAILED: Sept 25/90 SIGNED BY: C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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	Hg ppb
23100E 20300N	2	64	15	192	.4	47	30	3099	6.06	6	5	ND	1	85	1.7	3	3	135	1.77	.103	20	126	1.08	2752	.04	10	2.79	.02	.10	1	60
23100E 20350N	1	166	12	176	.6	56	38	5114	6.11	31	5	ND	1	126	1.9	5	2	146	2.64	.126	39	87	1.88	5236	.09	12	3.33	.02	.13	1	70
23100E 20400N	11	69	26	193	.4	76	38	1944	6.39	13	5	ND	3	24	.3	3	2	133	.46	.083	24	79	.82	910	.01	6	3.51	.01	.09	1	30
23100E 20450N	1	56	4	103	.4	32	19	1830	4.85	8	5	ND	1	86	.3	2	2	104	1.88	.093	13	52	1.13	2409	.11	9	2.63	.02	.11	1	60
23100E 20500N	1	15	14	60	.3	15	7	380	2.63	5	5	ND	1	23	.2	2	4	57	.30	.054	13	24	.24	543	.03	3	1.43	.01	.06	1	20
23400E 18500N	1	17	92	181	.9	12	6	642	2.20	193	5	ND	1	79	1.0	6	2	37	1.55	.089	43	24	.40	397	.02	2	1.47	.01	.05	1	120
23400E 18550N	1	16	79	176	.9	12	5	525	2.16	189	5	ND	1	71	.8	7	2	37	1.40	.089	38	24	.40	386	.02	2	1.46	.01	.05	1	130
23400E 18600N	1	14	127	176	1.7	9	14	6072	2.60	241	5	ND	1	66	1.1	4	2	44	1.22	.127	31	25	.39	464	.02	4	1.57	.01	.04	1	200
23400E 18650N	1	14	102	212	1.1	12	9	1499	2.67	200	5	ND	2	49	.9	8	3	53	.94	.117	27	32	.58	377	.02	6	1.81	.01	.05	1	150
23400E 18700N	1	15	132	218	.7	13	17	5136	2.71	426	5	ND	1	34	1.4	12	4	46	.48	.106	29	25	.40	407	.01	5	1.64	.01	.06	1	80
23400E 18750N	1	12	35	86	2.4	12	4	391	1.46	80	5	ND	1	32	.5	3	3	24	.36	.135	32	20	.24	335	.01	2	1.16	.01	.05	1	280
23400E 18800N	2	13	77	143	.9	21	17	1492	3.27	275	5	ND	2	33	.2	4	3	49	.34	.084	23	31	.47	417	.02	3	1.79	.01	.07	1	180
23400E 18850N	2	20	19	118	.6	23	13	711	1.90	36	5	ND	1	65	1.0	2	2	15	.56	.133	15	13	.12	797	.01	4	.81	.01	.05	1	170
23400E 18900N	3	21	29	130	.3	25	11	581	2.76	54	5	ND	1	49	.6	3	2	49	.20	.067	22	27	.32	759	.02	4	1.44	.01	.07	2	80
23400E 18950N	7	35	37	383	.3	59	13	397	3.73	59	5	ND	3	101	1.0	8	2	55	.12	.076	27	22	.20	1125	.01	6	1.15	.01	.10	1	100
23400E 19000N	11	36	26	167	.5	28	7	190	2.84	34	5	ND	2	96	1.1	8	2	89	.12	.062	25	22	.20	1219	.01	6	1.18	.01	.10	1	150
23400E 19050N	5	27	25	299	1.3	31	18	1739	2.10	32	5	ND	1	249	7.4	5	3	42	1.70	.078	17	12	.15	1801	.01	8	.77	.01	.09	1	420
23400E 19100N	1	14	13	95	.4	17	5	268	1.34	112	5	ND	1	81	1.4	5	2	15	.61	.094	13	14	.17	702	.02	3	.78	.01	.04	1	550
23400E 19150N	1	16	17	60	.8	13	3	106	1.29	79	5	ND	1	54	.7	10	2	31	.34	.073	16	19	.16	472	.01	2	.96	.01	.05	1	1600
23400E 19200N	1	12	53	112	1.0	17	4	164	1.65	129	5	ND	2	55	.9	25	2	52	.38	.052	19	27	.32	597	.02	2	1.37	.01	.07	1	1400
23400E 19250N	1	16	134	169	1.8	19	9	452	2.59	242	5	ND	4	49	1.1	58	2	56	.57	.061	25	34	.48	647	.03	2	1.76	.01	.06	2	1800
23400E 19300N	1	32	681	396	5.3	36	13	1889	2.24	177	5	ND	1	87	9.1	61	2	40	1.06	.101	25	30	.40	629	.02	3	1.62	.02	.07	1	2300
23400E 19350N	2	12	65	134	.7	20	8	470	1.92	105	5	ND	1	52	1.6	13	3	44	.41	.066	21	26	.32	798	.01	3	1.33	.01	.05	2	500
23400E 19400N	2	12	78	142	1.0	19	7	266	2.20	132	5	ND	2	51	1.5	17	2	52	.33	.078	22	27	.37	705	.02	4	1.48	.01	.06	1	750
23400E 19450N	2	11	46	107	.6	16	5	148	1.70	69	5	ND	1	44	1.1	10	2	37	.27	.071	20	25	.31	734	.02	2	1.23	.01	.05	1	630
23400E 19500N	7	37	64	354	.4	58	15	730	3.94	145	5	ND	6	104	1.9	24	3	70	.50	.103	31	26	.37	1246	.01	7	1.18	.01	.11	1	520
23400E 19550N	1	13	4	96	.2	7	2	389	.27	2	5	ND	1	146	.5	2	2	5	3.95	.087	2	7	.38	251	.01	17	.18	.01	.02	1	160
23400E 19600N	2	39	15	107	1.1	21	6	338	2.60	19	5	ND	1	75	.5	2	3	39	.30	.079	9	19	.19	294	.02	2	.88	.01	.11	1	160
23400E 19650N	1	27	18	92	.2	22	13	1900	2.74	30	5	ND	1	43	.9	2	2	40	.47	.051	9	21	.28	479	.03	3	1.17	.01	.09	1	100
23400E 19750N	1	28	18	127	.3	27	15	877	3.31	38	5	ND	1	31	.5	2	3	50	.46	.058	11	33	.34	491	.04	4	2.16	.01	.09	1	80
23400E 19800N	1	26	19	83	.3	27	10	298	3.24	40	5	ND	3	39	.2	3	5	46	.28	.038	10	29	.44	263	.03	3	1.81	.01	.09	1	90
23400E 19850N	2	31	12	81	.1	30	10	533	3.46	23	5	ND	2	32	.2	2	2	35	.57	.025	9	22	.28	467	.01	6	1.58	.01	.08	1	80
23400E 19900N	4	53	17	111	.6	30	9	412	3.45	24	5	ND	1	72	.6	4	2	70	.27	.089	9	23	.16	526	.02	4	1.28	.01	.08	1	100
23400E 19950N	2	108	5	89	.1	38	10	837	5.91	35	5	ND	1	16	.3	5	2	47	.05	.060	7	11	.10	157	.01	6	.95	.01	.06	1	70
23400E 20000N	6	26	20	88	.6	25	5	126	1.54	50	5	ND	1	133	.4	8	2	48	.48	.083	11	21	.15	551	.01	8	.86	.01	.08	1	1300
23400E 20050N	1	21	10	53	.3	20	8	452	1.82	9	5	ND	1	116	.6	2	2	28	3.11	.079	6	20	.45	474	.01	7	.80	.01	.05	1	220
STANDARD C	18	63	39	131	7.4	73	31	1061	3.99	41	15	7	37	53	18.8	15	21	55	.50	.100	36	60	.90	181	.07	36	1.90	.06	.13	13	1600

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	Hg ppb
23400E 20100N	2	17	2	58	.2	19	8	287	2.49	68	5	ND	3	17	.4	2	4	38	.15	.029	10	15	.23	292	.03	3	1.02	.01	.05	1	90
23400E 20150N	1	14	11	61	.1	18	8	233	2.83	14	5	ND	4	12	.5	2	2	44	.11	.026	11	19	.30	185	.03	2	1.46	.01	.04	1	60
23400E 20200N	1	17	5	96	.1	29	13	365	3.50	21	5	ND	4	14	.5	2	2	51	.15	.029	10	29	.46	268	.05	2	2.35	.01	.05	1	40
23400E 20250N	1	21	15	113	.2	25	14	1081	3.71	108	5	ND	2	23	1.2	2	3	51	.26	.043	9	24	.35	411	.05	2	1.78	.01	.09	1	50
23400E 20300N	1	13	2	74	.1	17	9	312	2.82	16	5	ND	3	15	.2	3	2	43	.20	.022	10	21	.36	230	.03	2	1.55	.01	.04	1	20
23400E 20350N	1	12	12	55	.1	18	8	176	2.93	20	5	ND	3	17	.6	2	4	52	.14	.018	11	24	.38	243	.04	2	1.76	.01	.03	1	40
23400E 20400N	1	13	4	52	.1	18	7	245	2.52	21	5	ND	3	13	.2	2	2	46	.11	.019	11	22	.35	207	.04	2	1.57	.01	.03	1	20
23400E 20450N	1	16	3	90	.1	21	12	659	3.75	39	5	ND	3	13	.6	2	4	55	.10	.094	11	26	.43	191	.04	2	1.99	.01	.06	1	30
23400E 20500N	1	20	8	42	.3	17	7	121	2.52	23	5	ND	1	57	.6	2	3	51	.15	.083	10	20	.15	503	.01	5	1.26	.01	.06	1	330
STANDARD C	17	61	37	131	6.6	69	31	1049	3.96	40	19	7	37	52	19.5	15	19	52	.51	.092	37	55	.92	179	.08	34	1.89	.06	.14	13	1300

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	Hg ppb
23500E 18600N	1	18	27	60	.1	13	5	171	4.58	66	5	ND	1	17	.5	7	2	50	.07	.037	15	28	.37	200	.04	2	1.60	.01	.05	1	50
23500E 18550N	2	11	4	33	.1	7	1	95	2.15	49	5	ND	1	16	.2	8	2	41	.09	.026	18	19	.27	192	.03	2	1.04	.01	.04	1	60
23500E 18500N	3	17	32	53	.3	9	6	175	2.71	79	5	ND	1	20	.3	10	4	44	.12	.056	17	21	.29	275	.01	3	1.20	.01	.04	1	50
23600E 20500N	1	50	2	81	.5	42	14	926	2.93	228	5	ND	1	93	.4	5	5	51	3.16	.087	16	62	.63	1091	.02	4	1.35	.01	.03	1	1200
23600E 20400N	1	18	6	78	.4	25	8	298	4.44	20	5	ND	1	20	.5	2	2	70	.17	.154	11	35	.35	171	.03	2	2.20	.01	.03	1	40
23600E 20350N	1	15	11	66	.4	18	8	275	2.97	11	5	ND	1	29	.3	4	3	54	.27	.092	11	23	.30	290	.03	2	1.33	.01	.03	1	20
23600E 20300N	2	19	19	63	.1	25	10	291	3.38	2	5	ND	1	26	.3	2	2	62	.22	.054	12	30	.38	406	.02	2	1.59	.01	.04	1	30
23600E 20250N	1	19	13	55	.1	23	7	202	3.13	10	5	ND	2	21	.3	2	4	56	.16	.045	11	26	.38	203	.03	2	1.54	.01	.04	1	50
23600E 20200N	3	41	22	105	.4	43	12	288	4.22	21	5	ND	2	94	.4	2	2	61	.38	.104	14	28	.28	656	.01	5	1.36	.01	.07	1	460
23600E 20150N	1	13	10	84	.1	18	7	318	3.45	101	5	ND	2	44	.3	2	2	57	.14	.197	12	25	.27	358	.03	2	1.44	.01	.04	1	70
23600E 20100N	2	18	16	62	.2	21	11	238	3.69	15	5	ND	3	11	.3	2	4	58	.09	.020	11	35	.42	191	.05	3	2.10	.01	.03	1	60
23600E 20050N	1	16	9	59	.1	17	7	279	2.81	14	5	ND	2	19	.2	2	2	44	.19	.020	12	24	.41	401	.02	2	1.66	.01	.02	1	30
23600E 20000N	2	14	10	71	.1	21	10	476	3.51	11	5	ND	1	15	.3	2	2	57	.18	.024	10	28	.37	246	.04	2	1.72	.01	.02	1	40
23600E 19950N	1	27	8	77	.2	32	11	426	3.48	18	5	ND	3	25	.4	2	3	52	.34	.015	12	34	.55	372	.04	2	1.84	.01	.04	2	80
23600E 19900N	1	24	10	116	.4	44	17	591	4.09	77	5	ND	4	22	.4	4	2	50	.36	.023	12	36	.56	404	.03	5	2.15	.01	.09	1	90
23600E 19850N	2	20	16	121	1.6	31	10	264	4.49	39	5	ND	2	68	.5	3	4	76	.23	.182	13	40	.42	287	.04	4	2.42	.01	.05	1	180
23600E 19800N	3	79	12	271	.1	57	28	178	6.83	100	5	ND	2	43	.5	2	2	68	.08	.093	10	18	.09	351	.01	4	1.19	.01	.05	2	50
23600E 19750N	3	50	9	180	.1	68	19	261	4.58	57	5	ND	3	37	.5	2	2	32	.67	.024	12	22	.31	366	.01	4	1.39	.01	.08	1	170
23600E 19650N	4	29	21	203	.3	37	14	1175	2.68	55	9	ND	1	79	.4	11	2	53	1.15	.092	16	25	.44	618	.02	2	1.18	.01	.04	1	380
23600E 19550N	2	31	13	132	.4	30	8	356	2.36	61	5	ND	1	81	.2	6	5	27	1.52	.086	16	17	.34	386	.01	2	.76	.01	.04	1	300
23600E 19500N	2	41	46	178	2.0	33	13	992	2.90	93	5	ND	1	53	.4	14	2	49	.63	.094	25	26	.34	589	.01	6	1.34	.01	.05	1	1300
23600E 19450N	2	20	61	171	.9	25	10	737	2.49	93	5	ND	2	40	.4	23	2	49	.44	.079	21	25	.42	371	.03	2	1.24	.01	.04	1	920
23600E 19400N	5	22	77	239	1.9	27	10	348	3.12	94	5	ND	2	68	.4	18	2	103	.61	.131	31	39	.59	1567	.02	2	1.65	.01	.04	1	540
23600E 19350N	6	46	83	362	3.3	47	7	248	3.27	180	5	ND	1	102	.4	28	6	49	.20	.144	23	27	.11	743	.01	5	.79	.01	.06	1	2300
23600E 19300N	4	38	26	116	2.1	36	5	142	1.79	54	5	ND	2	144	.3	15	2	116	.48	.146	24	39	.21	1050	.01	5	1.00	.01	.05	1	2500
23600E 19250N	4	17	10	114	.4	21	10	314	1.96	11	5	ND	2	66	.2	2	2	76	.38	.088	25	23	.31	874	.02	3	1.06	.01	.04	2	950
23600E 19200N	2	10	12	107	.1	13	9	718	2.41	63	5	ND	2	59	.4	2	2	47	.71	.073	25	26	.47	747	.02	2	1.22	.01	.05	1	210
23600E 19150N	2	8	29	100	.1	16	15	1230	2.78	93	5	ND	2	38	.3	2	2	55	.50	.073	23	31	.51	372	.03	6	1.36	.01	.04	3	140
23600E 19100N	1	7	26	95	.4	13	6	196	2.76	129	5	ND	1	41	.4	4	2	58	.48	.089	20	29	.45	315	.02	4	1.33	.01	.04	1	150
23600E 19000N	3	18	51	131	.2	17	13	739	3.15	90	5	ND	4	59	.4	4	4	47	.50	.081	40	26	.40	569	.01	2	1.27	.01	.04	1	100
23600E 18900N	1	26	68	111	1.1	16	5	187	2.50	156	5	ND	1	44	.3	2	2	42	.60	.051	42	22	.33	265	.02	2	1.46	.01	.04	1	160
23600E 18850N	1	8	16	38	.5	2	1	82	.86	35	5	ND	1	13	.2	2	2	28	.13	.029	14	11	.08	85	.01	4	.72	.01	.03	1	100
23600E 18800N	1	8	97	137	.1	13	7	482	3.41	378	5	ND	1	12	.4	6	4	51	.11	.058	16	22	.32	59	.02	3	1.22	.01	.04	1	140
23600E 18750N	1	9	48	105	.6	8	4	156	2.14	214	5	ND	1	15	.3	3	2	42	.17	.033	19	19	.26	147	.02	2	1.33	.01	.04	1	180
23600E 18700N	1	9	45	130	1.0	13	7	191	3.24	430	5	ND	2	14	.5	5	2	56	.14	.034	17	27	.39	134	.03	4	1.91	.01	.04	1	220
23600E 18650N	1	7	24	184	.9	15	6	258	2.86	232	5	ND	3	15	.4	4	3	57	.12	.033	23	22	.39	246	.02	2	1.75	.01	.03	3	130
STANDARD C	17	63	37	135	7.6	73	32	1059	3.99	45	17	7	35	50	21.0	14	21	55	.53	.096	36	58	.92	179	.08	41	1.90	.06	.13	13	1400

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	Hg ppb
23600E 18600N	1	8	27	74	.1	7	2	90	1.58	36	5	ND	1	14	.8	5	3	42	.08	.023	19	16	.18	119	.02	3	1.31	.01	.03	1	70
23600E 18550N	1	18	30	111	.1	15	5	167	2.92	78	5	ND	1	23	1.1	5	2	52	.10	.054	20	25	.38	189	.03	4	1.77	.01	.06	1	100
23600E 18500N	1	20	29	133	.6	19	6	207	2.79	68	5	ND	1	32	1.4	6	2	44	.19	.052	22	29	.44	235	.03	3	1.69	.01	.06	1	80

ACME ANAT CAL LABORATORIES LTD. 852 E. HASTINGS ST. V IVER B.C. V6A 1R6 PHONE(604)253-3158 FAX(253-1716

GEOCHEMICAL ANALYSIS CERTIFICATE Bowsay (GMC)

Noranda Exploration Co. Ltd. PROJECT 9009-063 323 File # 90-4673 Page 1

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5

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	Hg ppb
23200E 20500N	2	69	18	70	.4	26	11	592	3.73	19	5	ND	1	18	.3	2	7	63	.22	.063	15	34	.36	578	.02	2	1.47	.01	.04	1	10
23200E 20450N	1	67	18	105	.2	33	23	2492	5.04	20	9	ND	1	41	.5	2	3	104	1.00	.080	23	65	1.28	3299	.13	5	3.16	.01	.14	1	10
23200E 20400N	1	45	14	131	.4	50	29	1908	5.63	20	15	ND	1	34	.5	2	6	110	.63	.053	17	108	.89	2178	.04	4	3.55	.01	.08	3	40
23200E 20350N	1	136	12	134	.7	80	43	2575	6.17	20	7	ND	1	42	.6	4	2	163	1.20	.074	27	165	2.15	1723	.01	9	3.95	.01	.14	1	30
23200E 20300N	1	71	9	126	.3	139	42	2204	7.07	135	9	ND	1	30	.7	2	2	192	1.13	.066	19	184	2.33	2252	.01	2	4.55	.01	.06	1	50
23200E 20250N	1	30	17	88	.1	47	27	957	4.94	31	8	ND	1	24	.5	2	5	100	.52	.056	12	72	1.11	2889	.03	2	3.16	.01	.06	1	40
23200E 20200N	2	34	14	85	.5	30	13	959	3.06	37	5	ND	1	57	.3	2	2	51	.87	.091	15	30	.54	908	.02	2	1.39	.01	.06	1	280
23200E 20150N	10	15	66	99	1.9	12	6	318	3.03	76	5	ND	2	172	.4	13	8	148	.18	.153	19	29	.27	809	.01	2	1.33	.01	.06	1	1500
23200E 20100N	4	11	24	180	.1	15	9	815	4.22	57	5	ND	1	29	.5	2	3	65	.22	.057	27	22	.30	338	.01	2	1.91	.01	.05	1	20
23200E 20050N	2	17	11	190	.1	20	9	599	3.97	46	5	ND	4	21	.4	7	6	66	.23	.059	27	33	.64	732	.03	2	2.24	.01	.05	2	80
23200E 20000N	5	20	16	262	.3	19	10	932	4.93	69	13	ND	8	26	.5	12	2	65	.26	.067	45	24	.27	443	.01	2	1.23	.01	.11	1	700
23200E 19950N	12	57	53	773	1.5	42	13	1468	6.44	233	12	ND	3	89	.6	26	6	84	.20	.186	37	19	.12	678	.01	2	1.18	.01	.16	2	130
23200E 19900N	6	45	24	78	.8	25	4	120	3.05	43	5	ND	1	255	.3	12	2	53	.21	.122	18	19	.05	150	.01	9	.62	.01	.22	1	750
23200E 19850N	3	15	42	163	.1	14	11	665	5.26	64	5	ND	6	47	.4	5	7	53	.26	.105	40	16	.25	396	.01	2	1.34	.01	.10	1	120
23200E 19800N	2	13	20	162	.9	13	11	2106	3.98	27	5	ND	2	52	.5	2	8	53	.55	.072	25	20	.34	716	.01	2	1.90	.01	.13	1	10
23200E 19750N	2	16	39	110	.5	16	9	660	4.23	53	5	ND	2	174	.5	2	2	52	1.76	.052	35	23	.51	576	.01	5	1.86	.01	.08	1	50
23200E 19700N	3	18	25	208	.1	22	7	482	3.21	41	5	ND	4	137	.3	2	2	49	1.18	.061	28	27	.68	732	.03	3	1.39	.01	.09	1	60
23200E 19675N	3	26	14	235	.4	38	10	642	2.67	56	5	ND	1	72	.3	10	6	52	.54	.077	19	24	.44	610	.02	2	1.14	.01	.07	1	250
23200E 19600N	1	35	34	133	.3	28	12	709	3.32	28	5	ND	3	41	.4	3	2	50	.57	.080	17	30	.67	364	.07	2	1.43	.02	.06	1	80
23200E 19550N	2	51	65	220	.1	27	14	955	3.70	219	6	ND	5	65	.3	16	8	22	.24	.046	29	11	.13	426	.01	4	.55	.01	.11	1	350
23200E 19500N	1	26	551	742	7.0	16	10	1115	4.50	831	12	ND	7	53	.9	84	2	63	.45	.119	41	35	.67	1636	.07	2	1.91	.01	.15	1	1300
23200E 19450N	1	19	40	169	.1	33	16	656	4.84	53	5	ND	6	18	.5	4	2	62	.08	.037	21	35	.38	317	.02	3	2.24	.01	.04	1	140
23200E 19400N	1	9	26	85	.2	13	6	249	2.33	29	5	ND	1	24	.2	2	2	39	.19	.059	17	25	.41	219	.02	2	1.32	.01	.05	1	50
23200E 19350N	6	26	22	178	.4	28	11	550	3.30	36	5	ND	1	96	.3	3	2	51	.18	.063	27	22	.32	1100	.01	4	1.13	.01	.09	1	90
23200E 19300N	5	26	23	184	.4	27	14	628	3.50	33	5	ND	3	80	.3	6	2	49	.12	.057	27	24	.37	738	.02	2	1.23	.01	.09	1	80
23200E 19250N	5	28	26	186	.5	34	16	917	3.09	15	5	ND	1	105	.4	2	2	46	.11	.065	33	24	.28	1023	.01	3	1.17	.01	.08	1	180
23200E 19200N	9	40	24	253	.6	58	12	373	3.48	21	5	ND	2	185	.4	3	4	61	.15	.076	34	15	.10	333	.01	2	1.07	.02	.14	1	460
23200E 19150N	8	49	38	262	.8	42	11	484	3.60	37	5	ND	4	148	.5	7	2	48	.28	.066	40	25	.39	725	.01	3	1.31	.01	.09	1	90
23200E 19100N	8	43	162	485	1.5	41	14	738	4.67	109	8	ND	4	159	.5	13	2	35	.10	.087	40	15	.17	378	.01	3	.89	.02	.14	1	120
23200E 19050N	1	10	28	105	.3	11	7	451	3.86	426	5	ND	1	46	.5	2	2	63	.61	.053	13	28	.40	176	.03	2	1.72	.01	.09	2	30
23200E 19000N	1	9	21	40	.1	6	4	155	1.98	70	5	ND	1	14	.2	2	2	36	.10	.055	14	21	.21	113	.01	2	1.28	.01	.03	1	20
23200E 18950N	1	8	22	74	.2	16	8	450	3.73	47	5	ND	2	12	.4	2	3	58	.11	.037	14	34	.51	144	.05	4	2.11	.01	.04	1	10
23200E 18900N	1	12	23	130	1.3	15	8	517	3.73	39	5	ND	2	11	.4	2	3	66	.10	.040	14	34	.48	199	.05	2	2.12	.01	.04	2	60
23200E 18850N	1	21	24	87	.1	28	11	521	3.74	34	5	ND	4	14	.4	2	2	55	.10	.029	17	39	.57	232	.06	2	2.17	.01	.04	1	70
23200E 18800N	1	14	33	157	.3	17	7	317	2.98	123	5	ND	4	21	.4	4	2	49	.08	.024	14	29	.43	201	.04	2	1.80	.01	.04	1	60
23200E 18750N	1	10	4	53	.1	9	5	159	2.26	9	5	ND	1	14	.2	2	2	40	.10	.025	15	25	.39	136	.03	2	1.46	.01	.04	1	80
STANDARD C	18	62	38	135	7.6	72	32	1042	4.01	44	17	7	35	50	20.0	19	18	56	.53	.097	36	60	.91	179	.08	38	1.91	.06	.14	11	1500

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: SOIL HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: SEP 21 1990 **DATE REPORT MAILED:** Sept 29/90 **SIGNED BY** C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAY

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	Hg ppb
23200E 18700N	1	13	18	74	.4	12	4	166	2.64	16	5	ND	2	19	.5	3	2	51	.11	.030	19	26	.37	202	.03	5	1.69	.01	.07	1	50
23200E 18650N	1	17	13	63	.3	10	5	172	3.51	12	5	ND	3	13	.2	3	2	49	.08	.034	16	27	.39	170	.04	4	1.81	.01	.07	1	100
23200E 18600N	2	21	19	192	.4	31	20	407	4.10	44	5	ND	1	14	1.5	6	2	66	.09	.054	12	35	.41	166	.07	6	2.31	.01	.07	1	50
23200E 18550N	1	24	21	66	.3	15	6	168	3.43	39	5	ND	1	24	.6	3	2	57	.07	.044	16	23	.28	191	.05	5	1.44	.01	.07	1	40
23200E 18500N	1	34	11	59	.1	16	6	119	2.59	126	6	ND	1	17	.2	5	2	44	.09	.052	15	26	.32	206	.03	2	1.53	.01	.05	1	60
23500E 20500N	1	16	11	78	.2	27	15	750	3.82	13	5	ND	1	13	.3	2	2	76	.22	.031	12	37	.55	444	.04	3	2.16	.01	.04	1	20
23500E 20450N	1	26	5	71	.1	23	9	206	2.70	16	5	ND	4	13	.2	2	2	45	.16	.043	15	31	.47	173	.05	4	1.61	.01	.04	1	50
23500E 20400N	4	19	23	111	.8	29	10	252	4.09	17	5	ND	1	30	.2	2	2	67	.09	.068	12	33	.37	278	.03	5	2.23	.01	.07	1	60
23500E 20350N	2	11	21	93	.3	14	7	446	2.67	10	5	ND	1	48	.6	3	2	51	.16	.113	12	21	.18	291	.03	2	1.16	.01	.06	1	50
23500E 20300N	1	14	11	31	.2	10	3	138	1.61	12	6	ND	1	14	.4	2	2	44	.11	.036	11	18	.16	274	.03	2	.99	.01	.05	1	70
23500E 20250N	1	14	6	58	.1	16	7	187	2.76	12	5	ND	2	10	.2	2	2	49	.08	.034	10	25	.34	164	.03	2	1.64	.01	.04	1	40
23500E 20200N	2	19	16	104	.1	27	10	336	3.21	44	5	ND	3	13	.5	2	2	46	.09	.020	11	29	.40	258	.03	2	2.08	.01	.06	1	40
23500E 20150N	1	35	10	108	.3	26	10	462	3.32	49	5	ND	1	30	.2	5	2	43	.16	.050	9	22	.24	387	.02	3	1.32	.01	.05	1	30
23500E 20100N	1	31	7	86	.4	21	16	1464	2.87	208	5	ND	1	24	.2	2	2	40	.18	.040	11	23	.27	431	.02	2	1.33	.01	.07	1	130
23500E 20050N	1	17	2	54	.2	13	7	175	2.03	98	5	ND	1	21	.3	3	2	38	.18	.036	10	21	.22	281	.01	2	1.16	.01	.08	1	180
23500E 20000N	1	22	7	84	.2	21	9	183	2.89	143	5	ND	1	31	.2	2	2	54	.37	.045	13	26	.35	617	.02	2	1.31	.01	.08	1	170
23500E 19950N	1	42	10	103	.3	40	16	467	3.79	62	5	ND	1	57	.2	4	2	54	1.17	.098	17	39	.58	623	.01	2	1.51	.01	.07	1	330
23500E 19850N	2	16	6	54	.1	10	4	138	2.48	80	6	ND	1	11	.6	2	2	46	.08	.031	11	17	.16	121	.03	4	.95	.01	.04	1	50
23500E 19800N	1	13	7	71	.1	17	8	329	2.49	22	5	ND	2	11	.2	2	2	42	.14	.016	11	23	.27	227	.03	2	1.63	.01	.05	1	30
23500E 19750N	1	25	6	126	.2	30	15	2614	3.14	43	5	ND	1	30	.2	3	2	40	.69	.032	10	24	.29	618	.02	4	1.69	.01	.09	1	70
23500E 19600N	3	27	10	147	.7	26	7	480	2.06	47	5	ND	1	51	.9	9	2	42	.63	.055	17	20	.33	334	.02	5	1.09	.01	.05	1	1100
23500E 19550N	4	39	45	190	1.6	38	9	1515	2.50	101	5	ND	1	53	3.1	18	2	59	.59	.088	20	29	.32	500	.01	4	1.30	.01	.05	1	1400
23500E 19500N	2	41	121	275	3.2	39	10	711	3.41	212	5	ND	2	71	1.2	47	2	56	.82	.119	32	37	.47	663	.02	2	1.72	.01	.07	1	1600
23500E 19400N	2	19	316	230	2.0	15	8	967	2.60	245	5	ND	1	28	3.4	30	2	46	.16	.058	25	25	.24	327	.02	2	1.39	.01	.06	1	860
23500E 19350N	3	21	21	120	.2	20	7	147	1.98	40	6	ND	2	54	.7	3	2	34	.21	.051	25	18	.28	467	.02	2	.94	.01	.05	1	180
23500E 19300N	5	23	30	156	.9	27	9	309	2.48	19	6	ND	1	82	1.5	4	2	58	.19	.079	25	24	.28	928	.01	3	1.40	.01	.07	1	450
23500E 19250N	36	44	17	216	1.3	33	4	82	2.58	52	6	ND	1	209	2.3	12	2	214	.18	.323	18	41	.09	875	.01	2	.73	.01	.10	1	4600
23500E 19200N	25	11	25	73	.5	13	5	147	3.06	34	6	ND	1	44	.6	10	2	206	.07	.075	13	33	.21	411	.02	2	1.52	.01	.05	1	90
23500E 19100N	2	8	34	120	.7	15	8	488	2.29	162	5	ND	1	37	.2	7	2	52	.42	.078	24	33	.51	305	.02	2	1.49	.01	.05	1	110
23500E 19000N	1	30	79	226	2.1	20	10	737	3.38	407	6	ND	1	114	1.4	11	2	53	1.69	.098	71	35	.55	467	.01	3	2.34	.01	.09	1	160
23500E 18950N	1	12	37	65	.4	8	3	151	1.48	129	5	ND	1	15	1.2	4	2	35	.14	.038	17	15	.14	107	.02	2	.84	.01	.04	1	50
23500E 18850N	1	5	23	41	.2	2	1	61	1.09	75	5	ND	1	10	.2	3	2	31	.06	.051	17	10	.06	81	.02	2	.95	.01	.04	1	40
23500E 18800N	1	4	14	39	.1	5	2	52	1.28	79	5	ND	1	11	.2	3	2	35	.07	.031	15	16	.15	76	.01	2	1.08	.01	.03	1	70
23500E 18750N	1	6	54	61	.1	5	3	129	1.98	74	6	ND	1	11	.4	5	2	44	.07	.049	13	22	.22	87	.01	2	1.36	.01	.03	1	40
23500E 18700N	1	10	30	107	.1	12	6	289	3.58	45	6	ND	1	13	.8	5	3	54	.09	.036	15	32	.47	90	.03	2	1.68	.01	.05	1	50
23500E 18650N	1	9	19	44	.1	7	4	109	3.42	45	6	ND	1	13	.6	3	5	66	.08	.032	16	25	.27	99	.06	2	1.31	.01	.04	1	40
STANDARD C	19	60	41	133	7.0	72	31	1059	3.99	43	21	8	38	52	18.4	17	21	57	.52	.094	38	60	.90	183	.08	36	1.90	.07	.14	11	1400

NORANDA VANCOU. .R LABORATORY

Geochemical Analysis

Rerun

Project Name & No.: BREWERY CK – 327 Geol.: G.Mc. Date rec'd: AUGUST 16 LAB CODE: 9008-074

Material: 18 SOILS Sheet: 1 of 1 Date compl: AUGUST 21

Remarks:

Au – 10.0 g sample digested with aqua-regia and determined by A.A. (D.L. 5 PPB)

ICP – 0.2 g sample digested with 3 ml HClO4/HNO3 (4:1) at 203 °C for 4 hours diluted to 11 ml with water. Leeman PS3000 ICP determined elemental contents.

N.B. The major oxide elements and Ba, Be, Ce, Ga, La, Li are rarely dissolved completely from geological materials with acid dissolution methods.

T.T. No.	SAMPLE No.	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cu ppm	Fe %	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm	P %	Pb ppm	Sr ppm	Ti %	V ppm	Zn ppm
138	20900E-18500N	1.8	2.60	16	608	2.0	2	0.80	0.2	55	7	221	111	2.05	0.58	43	7	0.17	82	5	0.03	167	0.49	19	119	0.07	868	619
139	18550	14.8	3.35	11	767	2.0	2	1.26	0.2	56	6	193	129	1.94	0.66	30	12	0.30	256	6	0.04	210	0.57	15	71	0.10	540	1269
140	18600	11.2	3.23	19	500	1.9	2	1.50	0.2	54	7	167	137	2.00	0.73	31	15	0.40	196	8	0.03	246	0.42	17	67	0.08	575	1383
141	18650	1.0	3.08	12	401	1.0	2	0.56	0.2	57	8	30	20	2.62	0.50	24	20	0.53	231	1	0.03	26	0.04	8	40	0.12	75	68
142	18700	0.2	2.50	17	405	1.2	2	0.58	0.2	54	5	86	50	1.93	0.46	29	9	0.22	160	1	0.03	67	0.40	9	50	0.10	312	251
143	20900E-18750N	0.2	2.26	32	247	1.2	2	1.69	2.1	56	9	37	57	1.53	0.40	30	12	0.30	276	29	0.03	85	0.09	15	53	0.06	589	999
144	20800E-18500N	3.0	3.01	20	499	1.3	2	0.73	0.2	60	9	20	26	2.89	0.62	24	14	0.43	376	1	0.04	28	0.10	9	36	0.07	56	86
145	18550	4.0	2.53	19	468	1.6	2	1.03	0.2	56	6	183	98	1.99	0.60	32	9	0.25	184	6	0.03	150	0.48	15	62	0.09	598	545
146	18600	9.2	2.19	21	362	1.4	2	1.76	0.2	40	5	175	103	1.48	0.47	21	9	0.27	152	7	0.03	147	0.35	10	57	0.05	545	636
147	18650	3.7	2.38	24	324	1.3	2	2.48	0.2	48	6	81	83	1.35	0.61	25	10	0.56	145	8	0.03	113	0.22	10	65	0.05	472	643
148	18700	0.8	3.12	11	454	1.4	2	0.68	0.2	56	8	31	27	2.03	1.09	27	10	0.44	195	1	0.03	46	0.10	8	35	0.05	141	222
149	20800E-18750N	0.2	2.67	32	413	0.9	2	0.38	0.2	47	6	32	23	2.09	0.70	21	10	0.33	202	1	0.04	26	0.06	7	32	0.10	78	84
150	20700E-18500N	0.8	2.42	17	349	0.9	2	0.47	0.2	45	5	96	37	2.20	0.39	22	8	0.22	145	1	0.04	68	0.42	10	42	0.14	277	249
151	18550	0.8	2.52	18	460	1.3	2	0.49	0.2	53	10	119	61	2.52	0.52	28	12	0.33	303	1	0.03	104	0.36	12	48	0.11	381	390
152	18600	3.2	2.45	19	447	1.8	2	1.36	0.2	51	7	193	119	2.05	0.54	30	9	0.22	207	11	0.03	176	0.68	16	67	0.06	666	614
153	18650	9.0	3.24	22	592	2.5	2	1.46	0.2	61	7	202	177	2.08	0.83	37	16	0.37	159	12	0.03	279	0.40	20	66	0.07	741	1087
154	18700	3.4	3.42	17	478	1.7	2	1.44	0.4	58	11	92	93	2.07	0.63	29	17	0.49	297	10	0.03	165	0.23	12	54	0.09	619	882
155	20700E-18750N	0.2	0.53	14	278	0.3	2	3.03	0.2	21	2	11	17	0.45	0.10	5	2	0.34	144	1	0.03	9	0.08	4	59	0.03	17	51

NORANDA VANCOUVER LABORATORY

PROPERTY/LOCATION:BREWERY CODE : 9009-063

Project No. :323 Sheet:1 of 2 Date rec'd:SEP 21
Material :111 SOILS Geol.:G.Mc Date compl:OCT 15
Remarks :

Values in PPM, except where noted.

T.T. No.	SAMPLE No.	PPB Au
2	23200E-20500N	5
3	20450	5
4	20400	5
5	20350	5
6	20300	5
7	20250	5
8	20200	5
9	20150	55
10	20100	5
11	20050	10
12	20000	5
13	19950	5
14	19900	5
15	19850	5
16	19800	5
17	19750	5
18	19700	5
19	19675	30
20	19600	15
21	19550	45
22	19500	300
23	19450	15
24	19400	10
25	19350	5
26	19300	5
27	19250	5
28	19200	5
29	19150	5
30	19100	5
31	19050	5
32	19000	5
33	18950	5
34	18900	5
35	18850	10
36	18800	30
37	18750	5
38	18700	5
39	18650	5
40	18600	5
41	18550	20
42	23200E-18500N	15
43	23500E-20500N	5
44	20450	10
45	20400	10
46	20350	5
47	20300	5
48	20250	5
49	20200	5
50	20150	5
1	20100	10
2	20050	10
3	20000	5
4	19950	20
5	19850	5
6	19800	5
7	19750	5
8	19600	40
9	19550	60
10	19500	250
11	19400	170
12	19350	5
13	23500E-19300N	5

Work 20

T.T. No.	SAMPLE No.	PPB Au
14	23500E-19250N	5
15	19200	5
16	19100	10
17	19000	25
18	18950	5
19	18850	5
20	18800	5
21	18750	5
22	18700	5
23	18650	5
24	18600	5
25	18550	5
26	23500E-18500N	50
27	23600E-20500N	100
28	20400	10
29	20350	5
30	20300	5
31	20250	5
32	20200	5
33	20150	5
34	20100	5
35	20050	5
36	20000	5
37	19950	5
38	19900	5
39	19850	5
40	19800	5
41	19750	5
42	19650	20
43	19550	30
44	19500	190
45	19450	85
46	19400	5
47	19350	55
48	19300	20
49	19250	10
50	19200	5
2	19150	5
3	19100	5
4	19000	5
5	18900	5
6	18850	5
7	18800	15
8	18750	20
9	18700	35
10	18650	5
11	18600	5
12	18550	5
13	23600E-18500N	5

ACME ANAL AL LABORATORIES LTD. 852 E. HASTINGS ST. VAN VER B.C. V6A 1R6 PHONE(604)253-3158 FAX(60 253-1716

GEOCHEMICAL A LYSIS CERTIFICATE Brewery (GMc)

Noranda Exploration Co. Ltd. PROJECT 9009-063 323 File # 90-4673 Page 1

P.O. Box 2380, 1050 Davie, Vancouver BC V6B 3T5

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	Hg ppb
23200E 20500N	2	69	18	70	.4	26	11	592	3.73	19	5	ND	1	18	.3	2	7	63	.22	.063	15	34	.36	578	.02	2	1.47	.01	.04	1	10
23200E 20450N	1	67	18	105	.2	33	23	2492	5.04	20	9	ND	1	41	.5	2	3	104	1.00	.080	23	65	1.28	3299	.13	5	3.16	.01	.14	1	10
23200E 20400N	1	45	14	131	.4	50	29	1908	5.63	20	15	ND	1	34	.5	2	6	110	.63	.053	17	108	.89	2178	.04	4	3.55	.01	.08	3	40
23200E 20350N	1	136	12	134	.7	80	43	2575	6.17	20	7	ND	1	42	.6	4	2	163	1.20	.074	27	165	2.15	1723	.01	9	3.95	.01	.14	1	30
23200E 20300N	1	71	9	126	.3	139	42	2204	7.07	135	9	ND	1	30	.7	2	2	192	1.13	.066	19	184	2.33	2252	.01	2	4.55	.01	.06	1	50
23200E 20250N	1	30	17	88	.1	47	27	957	4.94	31	8	ND	1	24	.5	2	5	100	.52	.056	12	72	1.11	2889	.03	2	3.16	.01	.06	1	40
23200E 20200N	2	34	14	85	.5	30	13	959	3.06	37	5	ND	1	57	.3	2	2	51	.87	.091	15	30	.54	908	.02	2	1.39	.01	.06	1	280
23200E 20150N	10	15	66	99	1.9	12	6	318	3.03	76	5	ND	2	172	.4	13	8	148	.18	.153	19	29	.27	809	.01	2	1.33	.01	.06	1	1500
23200E 20100N	4	11	24	180	.1	15	9	815	4.22	57	5	ND	1	29	.5	2	3	65	.22	.057	27	22	.30	338	.01	2	1.91	.01	.05	1	20
23200E 20050N	2	17	11	190	.1	20	9	599	3.97	46	5	ND	4	21	.4	7	6	66	.23	.059	27	33	.64	732	.03	2	2.24	.01	.05	2	80
23200E 20000N	5	20	16	262	.3	19	10	932	4.93	69	13	ND	8	26	.5	12	2	65	.26	.067	45	24	.27	443	.01	2	1.23	.01	.11	1	700
23200E 19950N	12	57	53	773	1.5	42	13	1468	6.44	233	12	ND	3	89	.6	26	6	84	.20	.186	37	19	.12	678	.01	2	1.18	.01	.16	2	130
23200E 19900N	6	45	24	78	.8	25	4	120	3.05	43	5	ND	1	255	.3	12	2	53	.21	.122	18	19	.05	150	.01	9	.62	.01	.22	1	750
23200E 19850N	3	15	42	163	.1	14	11	665	5.26	64	5	ND	6	47	.4	5	7	53	.26	.105	40	16	.25	396	.01	2	1.34	.01	.10	1	120
23200E 19800N	2	13	20	162	.9	13	11	2106	3.98	27	5	ND	2	52	.5	2	8	53	.55	.072	25	20	.34	716	.01	2	1.90	.01	.13	1	10
23200E 19750N	2	16	39	110	.5	16	9	660	4.23	53	5	ND	2	174	.5	2	2	52	1.76	.052	35	23	.51	576	.01	5	1.86	.01	.08	1	50
23200E 19700N	3	18	25	208	.1	22	7	482	3.21	41	5	ND	4	137	.3	2	2	49	1.18	.061	28	27	.68	732	.03	3	1.39	.01	.09	1	60
23200E 19675N	3	26	14	235	.4	38	10	642	2.67	56	5	ND	1	72	.3	10	6	52	.54	.077	19	24	.44	610	.02	2	1.14	.01	.07	1	250
23200E 19600N	1	35	34	133	.3	28	12	709	3.32	28	5	ND	3	41	.4	3	2	50	.57	.080	17	30	.67	364	.07	2	1.43	.02	.06	1	80
23200E 19550N	2	51	65	220	.1	27	14	955	3.70	219	6	ND	5	65	.3	16	8	22	.24	.046	29	11	.13	426	.01	4	.55	.01	.11	1	350
23200E 19500N	1	26	551	742	7.0	16	10	1115	4.50	831	12	ND	7	53	.9	84	2	63	.45	.119	41	35	.67	1636	.07	2	1.91	.01	.15	1	1300
23200E 19450N	1	19	40	169	.1	33	16	656	4.84	53	5	ND	6	18	.5	4	2	62	.08	.037	21	35	.38	317	.02	3	2.24	.01	.04	1	140
23200E 19400N	1	9	26	85	.2	13	6	249	2.33	29	5	ND	1	24	.2	2	2	39	.19	.059	17	25	.41	219	.02	2	1.32	.01	.05	1	50
23200E 19350N	6	26	22	178	.4	28	11	550	3.30	36	5	ND	1	96	.3	3	2	51	.18	.063	27	22	.32	1100	.01	4	1.13	.01	.09	1	90
23200E 19300N	5	26	23	184	.4	27	14	628	3.50	33	5	ND	3	80	.3	6	2	49	.12	.057	27	24	.37	738	.02	2	1.23	.01	.09	1	80
23200E 19250N	5	28	26	186	.5	34	16	917	3.09	15	5	ND	1	105	.4	2	2	46	.11	.065	33	24	.28	1023	.01	3	1.17	.01	.08	1	180
23200E 19200N	9	40	24	253	.6	58	12	373	3.48	21	5	ND	2	185	.4	3	4	61	.15	.076	34	15	.10	333	.01	2	1.07	.02	.14	1	460
23200E 19150N	8	49	38	262	.8	42	11	484	3.60	37	5	ND	4	148	.5	7	2	48	.28	.066	40	25	.39	725	.01	3	1.31	.01	.09	1	90
23200E 19100N	8	43	162	485	1.5	41	14	738	4.67	109	8	ND	4	159	.5	13	2	35	.10	.087	40	15	.17	378	.01	3	.89	.02	.14	1	120
23200E 19050N	1	10	28	105	.3	11	7	451	3.86	426	5	ND	1	46	.5	2	2	63	.61	.053	13	28	.40	176	.03	2	1.72	.01	.09	2	30
23200E 19000N	1	9	21	40	.1	6	4	155	1.98	70	5	ND	1	14	.2	2	2	36	.10	.055	14	21	.21	113	.01	2	1.28	.01	.03	1	20
23200E 18950N	1	8	22	74	.2	16	8	450	3.73	47	5	ND	2	12	.4	2	3	58	.11	.037	14	34	.51	144	.05	4	2.11	.01	.04	1	10
23200E 18900N	1	12	23	130	1.3	15	8	517	3.73	39	5	ND	2	11	.4	2	3	66	.10	.040	14	34	.48	199	.05	2	2.12	.01	.04	2	60
23200E 18850N	1	21	24	87	.1	28	11	521	3.74	34	5	ND	4	14	.4	2	2	55	.10	.029	17	39	.57	232	.06	2	2.17	.01	.04	1	70
23200E 18800N	1	14	33	157	.3	17	7	317	2.98	123	5	ND	4	21	.4	4	2	49	.08	.024	14	29	.43	201	.04	2	1.80	.01	.04	1	60
23200E 18750N	1	10	4	53	.1	9	5	159	2.26	9	5	ND	1	14	.2	2	2	40	.10	.025	15	25	.39	136	.03	2	1.46	.01	.04	1	80
STANDARD C	18	62	38	135	7.6	72	32	1042	4.01	44	17	7	35	50	20.0	19	18	56	.53	.097	36	60	.91	179	.08	38	1.91	.06	.14	11	1500

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: SOIL HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: SEP 21 1990 DATE REPORT MAILED: Sept 29/90 SIGNED BY C. Leong D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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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	Hg ppb
23200E 18700N	1	13	18	74	.4	12	4	166	2.64	16	5	ND	2	19	.5	3	2	51	.11	.030	19	26	.37	202	.03	5	1.69	.01	.07	1	50
23200E 18650N	1	17	13	63	.3	10	5	172	3.51	12	5	ND	3	13	.2	3	2	49	.08	.034	16	27	.39	170	.04	4	1.81	.01	.07	1	100
23200E 18600N	2	21	19	192	.4	31	20	407	4.10	44	5	ND	1	14	1.5	6	2	66	.09	.054	12	35	.41	166	.07	6	2.31	.01	.07	1	50
23200E 18550N	1	24	21	66	.3	15	6	168	3.43	39	5	ND	1	24	.6	3	2	57	.07	.044	16	23	.28	191	.05	5	1.44	.01	.07	1	40
23200E 18500N	1	34	11	59	.1	16	6	119	2.59	126	6	ND	1	17	.2	5	2	44	.09	.052	15	26	.32	206	.03	2	1.53	.01	.05	1	60
23500E 20500N	1	16	11	78	.2	27	15	750	3.82	13	5	ND	1	13	.3	2	2	76	.22	.031	12	37	.55	444	.04	3	2.16	.01	.04	1	20
23500E 20450N	1	26	5	71	.1	23	9	206	2.70	16	5	ND	4	13	.2	2	2	45	.16	.043	15	31	.47	173	.05	4	1.61	.01	.04	1	50
23500E 20400N	4	19	23	111	.8	29	10	252	4.09	17	5	ND	1	30	.2	2	2	67	.09	.068	12	33	.37	278	.03	5	2.23	.01	.07	1	60
23500E 20350N	2	11	21	93	.3	14	7	446	2.67	10	5	ND	1	48	.6	3	2	51	.16	.113	12	21	.18	291	.03	2	1.16	.01	.06	1	50
23500E 20300N	1	14	11	31	.2	10	3	138	1.61	12	6	ND	1	14	.4	2	2	44	.11	.036	11	18	.16	274	.03	2	.99	.01	.05	1	70
23500E 20250N	1	14	6	58	.1	16	7	187	2.76	12	5	ND	2	10	.2	2	2	49	.08	.034	10	25	.34	164	.03	2	1.64	.01	.04	1	40
23500E 20200N	2	19	16	104	.1	27	10	336	3.21	44	5	ND	3	13	.5	2	2	46	.09	.020	11	29	.40	258	.03	2	2.08	.01	.06	1	40
23500E 20150N	1	35	10	108	.3	26	10	462	3.32	49	5	ND	1	30	.2	5	2	43	.16	.050	9	22	.24	387	.02	3	1.32	.01	.05	1	30
23500E 20100N	1	31	7	86	.4	21	16	1464	2.87	208	5	ND	1	24	.2	2	2	40	.18	.040	11	23	.27	431	.02	2	1.33	.01	.07	1	130
23500E 20050N	1	17	2	54	.2	13	7	175	2.03	98	5	ND	1	21	.3	3	2	38	.18	.036	10	21	.22	281	.01	2	1.16	.01	.08	1	180
23500E 20000N	1	22	7	84	.2	21	9	183	2.89	143	5	ND	1	31	.2	2	2	54	.37	.045	13	26	.35	617	.02	2	1.31	.01	.08	1	170
23500E 19950N	1	42	10	103	.3	40	16	467	3.79	62	5	ND	1	57	.2	4	2	54	1.17	.098	17	39	.58	623	.01	2	1.51	.01	.07	1	330
23500E 19850N	2	16	6	54	.1	10	4	138	2.48	80	6	ND	1	11	.6	2	2	46	.08	.031	11	17	.16	121	.03	4	.95	.01	.04	1	50
23500E 19800N	1	13	7	71	.1	17	8	329	2.49	22	5	ND	2	11	.2	2	2	42	.14	.016	11	23	.27	227	.03	2	1.63	.01	.05	1	30
23500E 19750N	1	25	6	126	.2	30	15	2614	3.14	43	5	ND	1	30	.2	3	2	40	.69	.032	10	24	.29	618	.02	4	1.69	.01	.09	1	70
23500E 19600N	3	27	10	147	.7	26	7	480	2.06	47	5	ND	1	51	.9	9	2	42	.63	.055	17	20	.33	334	.02	5	1.09	.01	.05	1	1100
23500E 19550N	4	39	45	190	1.6	38	9	1515	2.50	101	5	ND	1	53	3.1	18	2	59	.59	.088	20	29	.32	500	.01	4	1.30	.01	.05	1	1400
23500E 19500N	2	41	121	275	3.2	39	10	711	3.41	212	5	ND	2	71	1.2	47	2	56	.82	.119	32	37	.47	663	.02	2	1.72	.01	.07	1	1600
23500E 19400N	2	19	316	230	2.0	15	8	967	2.60	245	5	ND	1	28	3.4	30	2	46	.16	.058	25	25	.24	327	.02	2	1.39	.01	.06	1	860
23500E 19350N	3	21	21	120	.2	20	7	147	1.98	40	6	ND	2	54	.7	3	2	34	.21	.051	25	18	.28	467	.02	2	.94	.01	.05	1	180
23500E 19300N	5	23	30	156	.9	27	9	309	2.48	19	6	ND	1	82	1.5	4	2	58	.19	.079	25	24	.28	928	.01	3	1.40	.01	.07	1	450
23500E 19250N	36	44	17	216	1.3	33	4	82	2.58	52	6	ND	1	209	2.3	12	2	214	.18	.323	18	41	.09	875	.01	2	.73	.01	.10	1	4600
23500E 19200N	25	11	25	73	.5	13	5	147	3.06	34	6	ND	1	44	.6	10	2	206	.07	.075	13	33	.21	411	.02	2	1.52	.01	.05	1	90
23500E 19100N	2	8	34	120	.7	15	8	488	2.29	162	5	ND	1	37	.2	7	2	52	.42	.078	24	33	.51	305	.02	2	1.49	.01	.05	1	110
23500E 19000N	1	30	79	226	2.1	20	10	737	3.38	407	6	ND	1	114	1.4	11	2	53	1.69	.098	71	35	.55	467	.01	3	2.34	.01	.09	1	160
23500E 18950N	1	12	37	65	.4	8	3	151	1.48	129	5	ND	1	15	1.2	4	2	35	.14	.038	17	15	.14	107	.02	2	.84	.01	.04	1	50
23500E 18850N	1	5	23	41	.2	2	1	61	1.09	75	5	ND	1	10	.2	3	2	31	.06	.051	17	10	.06	81	.02	2	.95	.01	.04	1	40
23500E 18800N	1	4	14	39	.1	5	2	52	1.28	79	5	ND	1	11	.2	3	2	35	.07	.031	15	16	.15	76	.01	2	1.08	.01	.03	1	70
23500E 18750N	1	6	54	61	.1	5	3	129	1.98	74	6	ND	1	11	.4	5	2	44	.07	.049	13	22	.22	87	.01	2	1.36	.01	.03	1	40
23500E 18700N	1	10	30	107	.1	12	6	289	3.58	45	6	ND	1	13	.8	5	3	54	.09	.036	15	32	.47	90	.03	2	1.68	.01	.05	1	50
23500E 18650N	1	9	19	44	.1	7	4	109	3.42	45	6	ND	1	13	.6	3	5	66	.08	.032	16	25	.27	99	.06	2	1.31	.01	.04	1	40
STANDARD C	19	60	41	133	7.0	72	31	1059	3.99	43	21	8	38	52	18.4	17	21	57	.52	.094	38	60	.90	183	.08	36	1.90	.07	.14	11	1400

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	Hg ppb
23500E 18600N	1	18	27	60	.1	13	5	171	4.58	66	5	ND	1	17	.5	7	2	50	.07	.037	15	28	.37	200	.04	2	1.60	.01	.05	1	50
23500E 18550N	2	11	4	33	.1	7	1	95	2.15	49	5	ND	1	16	.2	8	2	41	.09	.026	18	19	.27	192	.03	2	1.04	.01	.04	1	60
23500E 18500N	3	17	32	53	.3	9	6	175	2.71	79	5	ND	1	20	.3	10	4	44	.12	.056	17	21	.29	275	.01	3	1.20	.01	.04	1	50
23600E 20500N	1	50	2	81	.5	42	14	926	2.93	228	5	ND	1	93	.4	5	5	51	3.16	.087	16	62	.63	1091	.02	4	1.35	.01	.03	1	1200
23600E 20400N	1	18	6	78	.4	25	8	298	4.44	20	5	ND	1	20	.5	2	2	70	.17	.154	11	35	.35	171	.03	2	2.20	.01	.03	1	40
23600E 20350N	1	15	11	66	.4	18	8	275	2.97	11	5	ND	1	29	.3	4	3	54	.27	.092	11	23	.30	290	.03	2	1.33	.01	.03	1	20
23600E 20300N	2	19	19	63	.1	25	10	291	3.38	2	5	ND	1	26	.3	2	2	62	.22	.054	12	30	.38	406	.02	2	1.59	.01	.04	1	30
23600E 20250N	1	19	13	55	.1	23	7	202	3.13	10	5	ND	2	21	.3	2	4	56	.16	.045	11	26	.38	203	.03	2	1.54	.01	.04	1	50
23600E 20200N	3	41	22	105	.4	43	12	288	4.22	21	5	ND	2	94	.4	2	2	61	.38	.104	14	28	.28	656	.01	5	1.36	.01	.07	1	460
23600E 20150N	1	13	10	84	.1	18	7	318	3.45	101	5	ND	2	44	.3	2	2	57	.14	.197	12	25	.27	358	.03	2	1.44	.01	.04	1	70
23600E 20100N	2	18	16	62	.2	21	11	238	3.69	15	5	ND	3	11	.3	2	4	58	.09	.020	11	35	.42	191	.05	3	2.10	.01	.03	1	60
23600E 20050N	1	16	9	59	.1	17	7	279	2.81	14	5	ND	2	19	.2	2	2	44	.19	.020	12	24	.41	401	.02	2	1.66	.01	.02	1	30
23600E 20000N	2	14	10	71	.1	21	10	476	3.51	11	5	ND	1	15	.3	2	2	57	.18	.024	10	28	.37	246	.04	2	1.72	.01	.02	1	40
23600E 19950N	1	27	8	77	.2	32	11	426	3.48	18	5	ND	3	25	.4	2	3	52	.34	.015	12	34	.55	372	.04	2	1.84	.01	.04	2	80
23600E 19900N	1	24	10	116	.4	44	17	591	4.09	77	5	ND	4	22	.4	4	2	50	.36	.023	12	36	.56	404	.03	5	2.15	.01	.09	1	90
23600E 19850N	2	20	16	121	1.6	31	10	264	4.49	39	5	ND	2	68	.5	3	4	76	.23	.182	13	40	.42	287	.04	4	2.42	.01	.05	1	180
23600E 19800N	3	79	12	271	.1	57	28	178	6.83	100	5	ND	2	43	.5	2	2	68	.08	.093	10	18	.09	351	.01	4	1.19	.01	.05	2	50
23600E 19750N	3	50	9	180	.1	68	19	261	4.58	57	5	ND	3	37	.5	2	2	32	.67	.024	12	22	.31	366	.01	4	1.39	.01	.08	1	170
23600E 19650N	4	29	21	203	.3	37	14	1175	2.68	55	9	ND	1	79	.4	11	2	53	1.15	.092	16	25	.44	618	.02	2	1.18	.01	.04	1	380
23600E 19550N	2	31	13	132	.4	30	8	356	2.36	61	5	ND	1	81	.2	6	5	27	1.52	.086	16	17	.34	386	.01	2	.76	.01	.04	1	300
23600E 19500N	2	41	46	178	2.0	33	13	992	2.90	93	5	ND	1	53	.4	14	2	49	.63	.094	25	26	.34	589	.01	6	1.34	.01	.05	1	1300
23600E 19450N	2	20	61	171	.9	25	10	737	2.49	93	5	ND	2	40	.4	23	2	49	.44	.079	21	25	.42	371	.03	2	1.24	.01	.04	1	920
23600E 19400N	5	22	77	239	1.9	27	10	348	3.12	94	5	ND	2	68	.4	18	2	103	.61	.131	31	39	.59	1567	.02	2	1.65	.01	.04	1	540
23600E 19350N	6	46	83	362	3.3	47	7	248	3.27	180	5	ND	1	102	.4	28	6	49	.20	.144	23	27	.11	743	.01	5	.79	.01	.06	1	2300
23600E 19300N	4	38	26	116	2.1	36	5	142	1.79	54	5	ND	2	144	.3	15	2	116	.48	.146	24	39	.21	1050	.01	5	1.00	.01	.05	1	2500
23600E 19250N	4	17	10	114	.4	21	10	314	1.96	11	5	ND	2	66	.2	2	2	76	.38	.088	25	23	.31	874	.02	3	1.06	.01	.04	2	950
23600E 19200N	2	10	12	107	.1	13	9	718	2.41	63	5	ND	2	59	.4	2	2	47	.71	.073	25	26	.47	747	.02	2	1.22	.01	.05	1	210
23600E 19150N	2	8	29	100	.1	16	15	1230	2.78	93	5	ND	2	38	.3	2	2	55	.50	.073	23	31	.51	372	.03	6	1.36	.01	.04	3	140
23600E 19100N	1	7	26	95	.4	13	6	196	2.76	129	5	ND	1	41	.4	4	2	58	.48	.089	20	29	.45	315	.02	4	1.33	.01	.04	1	150
23600E 19000N	3	18	51	131	.2	17	13	739	3.15	90	5	ND	4	59	.4	4	4	47	.50	.081	40	26	.40	569	.01	2	1.27	.01	.04	1	100
23600E 18900N	1	26	68	111	1.1	16	5	187	2.50	156	5	ND	1	44	.3	2	2	42	.60	.051	42	22	.33	265	.02	2	1.46	.01	.04	1	160
23600E 18850N	1	8	16	38	.5	2	1	82	.86	35	5	ND	1	13	.2	2	2	28	.13	.029	14	11	.08	85	.01	4	.72	.01	.03	1	100
23600E 18800N	1	8	97	137	.1	13	7	482	3.41	378	5	ND	1	12	.4	6	4	51	.11	.058	16	22	.32	59	.02	3	1.22	.01	.04	1	140
23600E 18750N	1	9	48	105	.6	8	4	156	2.14	214	5	ND	1	15	.3	3	2	42	.17	.033	19	19	.26	147	.02	2	1.33	.01	.04	1	180
23600E 18700N	1	9	45	130	1.0	13	7	191	3.24	430	5	ND	2	14	.5	5	2	56	.14	.034	17	27	.39	134	.03	4	1.91	.01	.04	1	220
23600E 18650N	1	7	24	184	.9	15	6	258	2.86	232	5	ND	3	15	.4	4	3	57	.12	.033	23	22	.39	246	.02	2	1.75	.01	.03	3	130
STANDARD C	17	63	37	135	7.6	73	32	1059	3.99	45	17	7	35	50	21.0	14	21	55	.53	.096	36	58	.92	179	.08	41	1.90	.06	.13	13	1400

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	Hg ppb
23600E 18600N	1	8	27	74	.1	7	2	90	1.58	36	5	ND	1	14	.8	5	3	42	.08	.023	19	16	.18	119	.02	3	1.31	.01	.03	1	70
23600E 18550N	1	18	30	111	.1	15	5	167	2.92	78	5	ND	1	23	1.1	5	2	52	.10	.054	20	25	.38	189	.03	4	1.77	.01	.06	1	100
23600E 18500N	1	20	29	133	.6	19	6	207	2.79	68	5	ND	1	32	1.4	6	2	44	.19	.052	22	29	.44	235	.03	3	1.69	.01	.06	1	80

NORANDA VANCOUVER LABORATORY

PROPERTY/LOCATION: BREWERY CREEK

CODE : 9006-053

Project No. :327 Sheet: 1 of 7 Date rec'd: JUN 25
Material :377 SOILS Geol.: C. Mc. Date compl: JUL 10
Remarks :

Values in PPM, except where noted.

T.T. No.	SAMPLE No.		PPB Au
68E	16400E-19500N		5
69	19550		5
70	19600		5
71	19650		5
72	19700		5
73	19750		5
74	19800		5
75	19850		5
76	19900		5
77	19950		5
78	20000		5
79	20050		5
80	20100		5
81	20150		5
82	20200		5
83	20300		5
84	20350	4.0 g	5
85	20400		5
86	20450		5
87	20500		5
88	20550		5
89	20600	4.0 g	5
90	20650		5
91	20700		5
92	20750		5
93	20800		5
94	20850		60
95	20900		5
96	20950		5
97	21050		5
98	21150		5
99	21200		5
100E	16400E-21250N		5
51P	16600E-19500N		5
52	19550		5
53	19600		5
54	19650		5
55	19700		5
56	19750		5
57	19800		5
58	19850		5
59	19900		5
60	19950		5
61	20000		5
62	20050		5
63	20100		5
64	20150		5

T.T. No.	SAMPLE No.		PPB Au
66	16600E-20250N	2.1 g	5
67	20300		5
68	20350		5
69	20400		5
70	20450		5
71	20500		5
72	20550		5
73	20600		5
74	20650		5
75	20700		5
76	20750		5
77	20800		5
78	20850		5
79	20950	3.4 g	5
80	21000	5.0 g	5
81	21050	5.0 g	5
82	21100		5
83	21150		5
84	21300		5
85	21400		5
86	21450		5
87	21500		5
88	21550		5
89	21600		5
90	21650		5
91	21700		20
92	16600E-21750N		5
93	17100E-20000N		5
94	20050		5
95	20100		5
96	20150		5
97	20200		5
98	20250		5
99	20300		5
100	20350		5
52N	20400		5
53	20450		20
54	20500		30
55	20550		10
56	20600		10
57	20650		5
58	20750		5
59	21000		5
60	21050		5
61	21100		5
62	21150		5
63	21200		5
64	21250		5
65	21300		5
66	21350		5
67	21400		5
68	21450		5
69	21500		5
70	21550		5
71	21600		5
72	21650		5
73	17100E-21700N		5

T.T. No.	SAMPLE No.	PPB Au
74	17100E-21750N	5
75	17300E-20000N	5
76	20050	5
77	20100	5
78	20150	5
79	20200	5
80	20250	5
81	20300	5
82	20350	5
83	20450	5
84	20500	5
85	20550	5
86	20600	5
87	20650	30
88	20750	5
89	20850	5
90	20900	5
91	20950	5
92	21000	5
93	21050	5
94	21100	5
95	21150	5
96	21200	5
97	21250	5
98	21300	5
99	21350	5
100N	21400	5
51F	21450	5
52	21500	5
53	21550	5
54	21600	5
55	21650	5
56	21700	5
57	17300E-21750N	5
58	17500E-20000N	5
59	20050	5
60	20100	5
61	20150	5
62	20200	5
63	20250	5
64	20300	5
65	20350	40
66	20400	50
67	20450	5
68	20500	5
69	20550	5
70	20600	5
71	20650	5
72	20700	5
73	20750	5
74	20800	5
75	20850	5
76	20900	5
77	20950	5
78	21000	5
79	21050	5
80	17500E-21100N	5

T. T. No.	SAMPLE No.	PPB Au
81	17500E-21150N	5
82	21200	5
83	21250	5
84	21300	5
85	21350	5
86	21400	5
87	21450	5
88	21500	5
89	21550	5
90	21600	5
91	21650	5
92	21700	5
93	17500E-21750N	5
94	22200E-19100N	5
95	19150	5
96	19250	5
97	19300	5
98	19400	30
99	19450	5
100F	19550	30
52	19700	300
53	19750	5
54	19800	5
55	19850	5
56	19900	5
57	19950	5
58	20000	5
59	20250	40
60	20300	5
61	20350	5
62	20400	5
63	20450	5
64	20500	5
65	20550	5
66	20600	5
67	20650	5
68	20700	5
69	20800	5
70	20850	5
71	20900	5
72	21000	5
73	21050	5
74	21100	5
75	21150	5
76	21200	5
77	21250	5
78	21300	5
79	21350	5
80	21400	5
81	21400	5
82	22200E-21500N	5
83	22300E-19000N	5
84	19050	5
85	19100	5
86	19300	5
87	19350	5
88	22300E-19400N	5

T. No.	SAMPLE No.	PPB Au
89	22300E-19500N	5
90	19550	5
91	19600	5
92	19650	5
93	19700	5
94	19800	5
95	19850	5
96	19900	5
97	19950	5
98	20000	5
99	20050	5
100	20200	5
1F	20250	5
2	20300	5
3	20350	5
4	20400	5
5	20450	5
6	20500	5
7	20550	5
8	20600	5
9	20650	5
10	20700	5
11	20750	5
12	20800	5
13	20850	5
14	20900	5
15	20950	5
16	21000	5
17	21050	5
18	21100	5
19	21150	5
20	21200	5
21	21250	5
22	21300	5
23	21350	5
24	21400	5
25	21450	5
26	22300E-21500N	5
27	22400E-19000N	5
28	19050	5
29	19100	5
30	19150	5
31	19200	5
32	19300	5
33	19350	5
34	19500	5
35	19550	5
36	19600	5
37	19650	5
38	19750	5
39	19800	5
40	19850	5
41	19900	5
42	19950	5
43	20000	5
44	20200	5

T.T. No.	SAMPLE No.		PPB Au
46	22400E-20300N		5
47	20350		5
48	20400		5
49	20450		5
50F	20500		5
2N	20600		10
3	20650		5
4	20700		5
5	20750		5
6	20800		5
7	20850		5
8	20900		5
9	20950		5
10	21000		5
11	21050		5
12	21100		5
13	21150		5
14	21200		5
15	21250		5
16	21300		5
17	21350		5
18	21400		5
19	21450		5
20	22400E-21500N		5
21	22500E-19000N	-35 MESH	5
22	19050		5
23	19100		5
24	19150		5
25	19200		5
26	19250		5
27	19300		5
28	19500		5
29	19600		5
30	19650		5
31	19700		60
32	19850		5
33	19900		5
34	19950		5
35	20000		5
36	20050		5
37	20100		5
38	20150		5
39	20200		5
40	20250		5
41	20300		5
42	20350		5
43	20400		5
44	20550		5
45	20600		5
46	20650		5
47	20700		5
48	20750		5
49	20800		5
50N	20850		5
52B	20900		5

T.T. No.	SAMPLE No.		PPB Au
55	22500E-21050N		5
56	21100		5
57	21150		5
58	21200		5
59	21250		5
60	21300		5
61	21350		5
62	22500E-21450N		5
63	22600E-19100N		5
64	19600		5
65	19750	5.0g.	5
66	19800		5
67	19850		5
68	19900		5
69	19950		5
70	20000		5
71	20050		5
72	20100	-35 MESH	5
73	20150		5
74	20200		5
75	20250		5
76	20300		5
77	20350		5
78	20400	5.0g.	5
79	20450	-35 MESH	5
80	20550		5
81	20600		5
82	20650		5
83	20700		5
84	20750		5
85	20800		5
86	20850		5
87	20900		5
88	20950		5
89	21000		5
90	21100		5
91	21150	5.0g.	5
92	21200		5
93	21250		5
94	21300		5
95	21350		5
96	21400		5
97	21450		5
98B	22600E-21500N		5

ACME AN AL LABORATORIES LTD. 852 E. HASTINGS ST. V VER B.C. V6A 1R6 PHONE(604)253-3158 FAX(6 53 1716

GEOCHEMICAL ..YSIS CERTIFICATE

Noranda Exploration Co. Ltd. PROJECT 9006-053 327 File # 90-2418 Page 1

P.O. Box 2380, 1050 Davie St., Vancouver BC V6B 3T5

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	Hg ppb
L16400E 19500N	1	16	15	50	.1	9	6	128	2.06	7	5	ND	4	20	.2	2	2	32	.22	.030	22	21	.36	184	.05	5	1.16	.01	.05	1	10
L16400E 19550N	1	24	27	67	.1	19	7	181	2.35	9	5	ND	3	27	.5	2	2	37	.21	.042	24	24	.36	425	.03	9	1.60	.01	.09	2	40
L16400E 19600N	1	16	15	50	.1	16	5	111	1.90	4	5	ND	2	19	.2	2	2	31	.15	.030	19	19	.28	279	.03	5	1.18	.01	.07	1	20
L16400E 19650N	1	14	16	52	.1	18	5	118	2.08	5	5	ND	3	17	.2	2	2	33	.15	.021	17	21	.35	194	.04	4	1.31	.01	.04	1	10
L16400E 19700N	1	17	17	54	.1	18	6	144	2.24	6	5	ND	4	19	.2	2	2	36	.18	.023	18	24	.40	214	.05	9	1.41	.01	.04	1	20
L16400E 19750N	1	12	12	55	.1	14	5	124	2.11	5	5	ND	3	21	.4	2	2	36	.22	.037	17	23	.38	219	.04	9	1.36	.01	.04	1	20
L16400E 19800N	1	16	27	62	.1	16	5	164	2.44	4	5	ND	4	24	.2	2	2	40	.29	.040	19	25	.45	284	.05	3	1.57	.01	.05	1	30
L16400E 19850N	1	19	26	78	.1	19	6	174	2.63	8	5	ND	4	28	.2	2	3	41	.32	.060	19	27	.44	312	.05	7	1.59	.01	.07	1	40
L16400E 19900N	1	15	21	62	.1	17	7	137	2.23	5	5	ND	2	22	.2	2	2	36	.26	.052	16	24	.40	258	.04	9	1.46	.01	.05	1	30
L16400E 19950N	2	17	17	48	.1	12	5	135	2.30	5	5	ND	4	24	.2	2	2	48	.17	.040	15	24	.30	432	.04	11	1.34	.01	.05	2	20
L16400E 20000N	1	18	13	63	.1	16	6	140	2.50	6	5	ND	5	22	.3	2	2	40	.23	.043	18	26	.40	277	.05	4	1.38	.01	.05	1	20
L16400E 20050N	1	17	14	67	.1	19	7	172	2.72	5	5	ND	2	25	.2	2	2	44	.29	.052	15	28	.47	306	.05	4	1.63	.01	.05	1	30
L16400E 20100N	1	20	7	78	.1	22	11	720	2.50	2	5	ND	1	41	.2	2	2	40	.54	.076	19	26	.45	435	.05	8	1.37	.02	.06	1	40
L16400E 20150N	2	29	32	105	.2	22	9	258	2.29	24	5	ND	1	48	.6	14	2	36	.36	.046	20	23	.36	623	.02	8	1.56	.01	.09	1	100
L16400E 20200N	1	21	26	89	.1	20	6	154	2.21	35	5	ND	4	35	.2	25	3	33	.21	.036	22	20	.32	374	.04	6	1.17	.01	.06	1	60
L16400E 20300N	1	31	17	91	.1	24	8	179	2.63	20	5	ND	5	41	.2	4	2	40	.39	.049	19	30	.53	512	.06	8	1.61	.02	.08	1	70
L16400E 20350N	1	70	24	93	1.0	40	8	72	2.95	46	5	ND	1	65	.2	13	3	43	.42	.083	14	25	.27	1664	.01	5	2.15	.01	.15	1	190
L16400E 20400N	1	15	9	49	.1	18	5	95	1.85	16	5	ND	3	22	.2	2	3	33	.14	.019	12	20	.31	484	.02	2	1.12	.01	.06	1	30
L16400E 20450N	2	13	8	69	.2	17	9	438	2.63	8	5	ND	3	19	.2	2	3	46	.13	.025	11	23	.38	421	.03	6	1.40	.01	.06	1	20
L16400E 20500N	2	14	11	53	.1	16	6	265	1.78	8	5	ND	2	18	.4	2	2	36	.13	.022	11	16	.26	435	.03	2	1.07	.01	.07	1	10
L16400E 20550N	2	14	21	58	.1	15	5	107	1.82	45	5	ND	3	24	.2	9	2	39	.11	.025	20	15	.27	261	.02	4	.91	.01	.08	1	10
L16400E 20600N	1	32	18	70	.5	21	5	72	2.24	9	5	ND	1	40	.2	5	2	34	.32	.091	11	20	.22	892	.01	3	1.65	.01	.13	1	120
L16400E 20650N	8	46	16	413	.5	58	11	166	3.49	18	5	ND	1	28	1.2	11	2	167	.08	.073	15	29	.26	1810	.02	6	1.92	.01	.12	1	50
L16400E 20700N	2	12	12	84	.1	17	9	265	3.26	12	5	ND	3	17	.2	2	2	74	.13	.032	13	27	.33	652	.04	8	1.83	.01	.05	1	5
L16400E 20750N	1	6	9	38	.1	6	4	89	1.69	8	5	ND	2	14	.2	3	2	43	.12	.018	17	16	.22	149	.04	4	1.11	.01	.04	1	5
L16400E 20800N	1	13	20	47	.1	12	7	189	2.86	10	5	ND	3	16	.2	2	3	58	.15	.021	12	26	.33	240	.04	2	1.95	.01	.03	1	10
L16400E 20850N	1	17	12	62	.1	19	6	229	2.31	122	5	ND	1	15	.2	3	2	34	.16	.040	21	22	.34	149	.03	6	1.20	.01	.04	1	20
L16400E 20900N	4	28	19	83	.1	19	6	134	2.81	32	5	ND	4	24	.2	8	8	45	.10	.024	14	22	.34	552	.03	7	1.21	.01	.04	1	40
L16400E 20950N	1	19	16	65	.1	20	7	177	2.54	12	5	ND	4	18	.2	3	2	44	.15	.033	14	25	.39	416	.03	4	1.53	.01	.04	1	30
L16400E 21050N	17	40	17	164	.5	18	4	56	2.59	28	5	ND	1	58	.2	9	2	42	.05	.050	6	8	.08	639	.01	9	.59	.01	.07	1	60
L16400E 21150N	17	27	26	199	.2	25	8	91	3.81	27	5	ND	2	69	.2	8	2	149	.05	.048	3	12	.04	1049	.01	8	.65	.01	.09	1	20
L16400E 21200N	9	37	37	165	.3	34	9	123	3.63	20	6	ND	2	146	.2	4	2	49	.08	.059	19	12	.05	414	.01	7	.65	.03	.11	1	40
L16400E 21250N	6	34	33	135	.5	44	8	146	2.67	19	5	ND	1	157	1.2	2	5	26	.31	.048	15	11	.09	666	.01	7	.59	.01	.10	1	90
L16600E 19500N	1	13	9	54	.1	14	4	96	1.72	10	5	ND	1	20	.2	2	5	33	.17	.028	21	18	.28	206	.03	6	1.08	.01	.06	1	30
L16600E 19550N	1	15	10	51	.1	19	6	140	2.30	6	5	ND	4	17	.2	2	3	41	.14	.016	16	24	.39	206	.05	2	1.32	.01	.05	1	10
L16600E 19600N	1	12	12	53	.1	17	6	156	2.41	12	5	ND	4	15	.2	2	3	40	.11	.015	17	25	.38	161	.04	8	1.51	.01	.04	2	10
STANDARD C	18	57	38	132	7.2	71	30	1025	4.05	43	24	7	37	53	18.3	15	20	56	.51	.096	37	59	.90	180	.07	39	1.92	.06	.14	11	1500

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: Soil Pulp HG ANALYSIS BY FLAMELESS AA.

DATE RECEIVED: JUL 11 1990 **DATE REPORT MAILED:** July 13/90 **SIGNED BY** ..... D.TOYE, C.LEONG, J.WANG; CERTIFIED B.C. ASSAYERS

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	Hg ppb
L16600E 19650N	1	15	25	51	.3	16	6	157	2.13	12	5	ND	4	23	.2	7	2	33	.18	.025	22	20	.34	291	.03	4	1.31	.01	.06	1	40
L16600E 19700N	1	12	26	62	.2	19	6	117	2.13	4	5	ND	4	23	.2	5	2	35	.19	.041	19	20	.34	245	.03	4	1.41	.01	.05	1	20
L16600E 19750N	1	16	5	61	.1	15	7	171	2.10	7	5	ND	3	19	.7	3	2	38	.24	.048	15	23	.39	277	.04	6	1.56	.01	.04	1	30
L16600E 19800N	1	11	13	57	.1	17	5	123	2.02	4	5	ND	1	21	.4	3	2	33	.28	.054	15	22	.40	236	.03	2	1.43	.01	.05	1	30
L16600E 19850N	1	21	20	69	.2	18	7	176	2.60	11	5	ND	4	24	.2	3	2	38	.27	.051	19	26	.46	280	.04	4	1.59	.01	.06	2	40
L16600E 19900N	1	14	17	62	.2	18	6	128	2.15	8	5	ND	2	22	.4	5	2	34	.27	.056	15	23	.41	207	.04	7	1.42	.01	.05	1	30
L16600E 19950N	1	12	6	52	.1	15	5	98	2.03	5	5	ND	3	16	.2	4	2	32	.17	.030	17	22	.37	151	.04	5	1.33	.01	.04	1	10
L16600E 20000N	1	23	6	74	.1	21	8	308	2.63	8	5	ND	1	30	.2	2	2	42	.32	.061	18	28	.43	372	.03	6	1.72	.01	.07	1	50
L16600E 20050N	1	25	6	73	.2	21	8	235	2.59	10	5	ND	4	35	.5	4	2	38	.54	.069	16	26	.49	369	.05	2	1.38	.02	.04	1	40
L16600E 20100N	1	27	19	69	.2	25	9	265	2.72	9	5	ND	3	38	.3	4	5	43	.60	.068	16	28	.55	406	.05	6	1.57	.02	.05	1	40
L16600E 20150N	1	21	9	59	.1	22	8	178	2.42	6	5	ND	4	21	.2	2	2	40	.28	.041	14	27	.46	276	.05	5	1.43	.01	.05	1	20
L16600E 20200N	1	22	15	78	.2	21	9	235	2.76	13	5	ND	2	32	.2	3	4	45	.38	.068	17	28	.53	344	.05	2	1.59	.02	.06	1	30
L16600E 20250N	2	53	47	110	1.1	27	16	454	2.97	43	5	ND	3	55	1.5	16	2	34	.34	.079	31	25	.26	1209	.01	3	1.86	.01	.16	1	360
L16600E 20300N	1	16	16	70	.2	13	6	123	2.22	17	5	ND	5	26	.2	13	2	34	.16	.026	24	23	.38	265	.04	7	1.25	.01	.06	1	50
L16600E 20350N	1	10	15	65	.1	15	6	129	2.10	6	5	ND	4	15	.7	4	2	33	.17	.035	15	22	.39	168	.04	3	1.29	.01	.05	1	20
L16600E 20400N	1	12	24	60	.1	11	5	111	1.90	20	5	ND	4	15	.4	6	2	29	.16	.031	16	20	.38	174	.04	5	1.18	.01	.05	1	30
L16600E 20450N	1	10	15	64	.1	17	7	195	2.67	11	5	ND	4	13	.6	4	3	47	.12	.022	16	26	.37	204	.04	4	1.55	.01	.04	2	10
L16600E 20500N	1	10	11	50	.2	15	5	131	2.27	10	5	ND	3	13	.2	4	4	43	.12	.018	16	23	.31	203	.04	5	1.30	.01	.04	1	10
L16600E 20550N	1	13	20	53	.1	11	6	187	2.69	17	5	ND	3	12	.2	9	2	47	.10	.019	14	28	.38	193	.03	3	1.70	.01	.04	1	20
L16600E 20600N	1	17	23	67	.2	18	8	253	2.98	13	5	ND	5	11	.6	3	2	51	.10	.019	14	33	.44	246	.04	2	2.15	.01	.06	1	10
L16600E 20650N	1	23	16	86	.1	27	10	130	2.29	5	5	ND	7	12	.2	7	2	28	.07	.017	24	16	.23	252	.02	4	1.08	.01	.05	1	5
L16600E 20700N	1	16	21	62	.1	11	4	88	1.92	56	5	ND	5	15	.2	15	2	30	.13	.022	23	20	.34	171	.03	6	1.24	.01	.05	1	40
L16600E 20750N	1	15	12	45	.1	11	4	55	1.58	26	5	ND	5	11	.2	17	2	20	.07	.017	26	12	.16	141	.02	8	.71	.01	.05	1	10
L16600E 20800N	1	11	17	51	.3	18	6	98	2.55	60	5	ND	4	14	.5	8	2	42	.10	.016	16	23	.34	246	.03	6	1.73	.01	.04	1	5
L16600E 20850N	2	6	16	60	.2	8	4	212	2.02	45	5	ND	3	27	.2	31	2	57	.10	.042	19	16	.18	337	.03	3	1.10	.01	.05	1	20
L16600E 20950N	2	21	22	203	.7	19	13	2344	3.50	16	5	ND	1	14	1.3	8	2	59	.08	.076	6	22	.17	459	.01	4	1.60	.01	.08	1	30
L16600E 21000N	17	33	25	349	1.7	26	4	48	3.33	35	5	ND	1	43	.9	22	2	71	.02	.049	4	10	.05	668	.01	6	.79	.03	.12	1	50
L16600E 21050N	16	61	25	187	3.0	23	3	27	3.60	32	5	ND	1	99	1.1	15	2	73	.03	.145	8	14	.04	111	.01	6	.84	.05	.17	2	130
L16600E 21100N	2	13	12	62	.1	14	7	182	2.92	6	5	ND	6	30	.8	2	2	61	.31	.017	22	26	.23	501	.05	2	.92	.01	.06	1	10
L16600E 21150N	2	24	23	130	.2	40	13	207	4.84	8	5	ND	6	21	1.0	2	2	78	.15	.039	28	49	.40	416	.04	4	1.82	.01	.05	1	20
L16600E 21300N	2	30	14	93	.2	26	7	219	1.95	15	5	ND	4	55	1.1	8	3	55	.43	.063	16	25	.38	1169	.04	7	1.35	.01	.05	2	600
L16600E 21400N	5	27	20	76	.2	29	10	210	3.40	13	5	ND	5	52	.8	3	2	73	.12	.043	11	35	.47	1750	.05	2	2.11	.01	.06	1	330
L16600E 21450N	6	18	17	64	.3	26	9	158	3.15	26	5	ND	4	41	.5	9	2	99	.09	.027	11	30	.38	1441	.04	2	1.93	.01	.06	1	110
L16600E 21500N	8	24	18	60	.3	26	7	165	2.92	17	5	ND	3	52	.4	10	5	84	.11	.029	11	30	.33	1262	.04	3	1.74	.01	.09	1	260
L16600E 21550N	2	8	15	60	.1	16	9	290	2.49	2	5	ND	3	16	.5	3	2	53	.14	.012	11	26	.35	929	.05	2	1.65	.01	.03	1	30
L16600E 21600N	1	14	19	88	1.4	10	8	222	3.32	9	5	ND	5	13	.4	14	4	69	.08	.055	15	29	.26	509	.04	5	1.92	.01	.03	1	120
STANDARD C	19	57	43	132	7.3	73	30	1034	4.12	37	23	7	38	53	18.6	16	21	57	.53	.098	38	59	.94	180	.07	35	1.98	.06	.14	11	1300

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	Hg ppb
L16600E 21650N	2	11	15	50	.1	12	2	82	1.02	4	5	ND	1	57	.2	24	2	59	.09	.038	25	18	.12	1673	.02	8	1.03	.01	.04	1	310
L16600E 21700N	11	82	15	425	1.8	122	18	238	4.92	228	5	ND	6	95	.2	64	2	190	.11	.137	26	207	.77	521	.10	2	2.50	.01	.10	1	15000
L16600E 21750N	4	12	15	108	.2	18	8	237	2.95	22	5	ND	3	27	1.1	7	2	116	.14	.023	11	30	.32	2492	.06	2	1.84	.01	.04	1	140
L17100E 20000N	1	11	2	41	.1	11	4	88	1.84	5	5	ND	4	13	.2	2	2	31	.13	.022	22	20	.35	157	.04	2	1.25	.01	.05	1	10
L17100E 20050N	1	17	7	49	.1	16	6	138	2.40	7	5	ND	5	14	.2	2	2	37	.11	.012	22	27	.41	178	.04	3	1.56	.01	.04	1	20
L17100E 20100N	1	17	10	53	.1	20	6	180	2.55	9	5	ND	5	15	.3	2	3	43	.13	.013	18	29	.43	228	.06	2	1.64	.01	.04	1	10
L17100E 20150N	1	25	6	61	.1	23	7	197	2.93	11	5	ND	6	17	.2	2	2	46	.15	.015	18	34	.47	223	.05	4	2.06	.01	.04	1	30
L17100E 20200N	1	15	10	54	.1	17	7	156	2.73	6	5	ND	4	15	.2	2	2	44	.15	.026	13	28	.39	192	.05	3	1.76	.01	.04	1	10
L17100E 20250N	1	18	4	59	.2	25	8	200	3.01	7	5	ND	5	17	.5	2	2	49	.13	.020	14	35	.46	291	.05	3	2.11	.01	.04	1	20
L17100E 20300N	1	15	16	53	.1	16	7	151	2.88	10	5	ND	4	14	.2	2	2	47	.12	.017	15	30	.44	188	.05	5	1.88	.01	.03	1	30
L17100E 20350N	1	14	10	52	.1	21	6	138	2.75	8	5	ND	4	13	.4	2	5	48	.12	.019	15	28	.38	199	.05	2	1.86	.01	.04	1	10
L17100E 20400N	3	26	12	81	.1	22	7	130	2.81	15	5	ND	10	18	.2	11	2	36	.07	.031	44	24	.27	287	.04	4	1.07	.01	.07	1	30
L17100E 20450N	1	33	10	85	.5	26	8	263	2.73	69	5	ND	5	20	.7	138	2	44	.22	.044	21	31	.50	242	.06	5	1.60	.01	.04	1	40
L17100E 20500N	1	43	85	69	1.8	19	6	147	2.33	426	5	ND	5	23	2.4	1770	2	39	.21	.035	22	26	.42	288	.05	2	1.37	.01	.04	1	80
L17100E 20550N	1	23	35	60	.7	16	6	149	2.33	195	5	ND	4	18	.5	655	2	42	.18	.037	18	25	.37	214	.05	4	1.50	.01	.03	1	60
L17100E 20600N	2	41	29	94	1.1	21	8	171	2.96	276	5	ND	1	22	2.3	424	2	49	.18	.081	17	31	.34	391	.02	4	2.17	.01	.06	1	60
L17100E 20650N	2	31	20	171	.5	27	8	180	3.08	218	5	ND	5	23	1.6	371	3	39	.21	.046	28	25	.35	342	.04	3	1.33	.01	.05	1	30
L17100E 20950N	1	23	2	97	.4	16	4	607	.87	8	5	ND	1	145	.8	25	4	14	3.06	.073	4	11	.64	214	.01	9	.67	.01	.03	1	290
L17100E 21000N	1	35	6	68	.2	27	9	265	2.32	15	5	ND	2	72	1.2	7	2	40	1.14	.053	13	26	.57	426	.03	4	1.48	.01	.04	1	260
L17100E 21050N	1	37	2	61	.6	23	6	644	1.48	3	6	ND	2	195	.5	5	2	31	3.27	.067	8	16	.52	586	.02	6	1.08	.01	.03	1	380
L17100E 21100N	2	34	9	107	.4	28	7	190	2.22	36	5	ND	2	63	.7	8	2	60	.90	.049	12	23	.33	589	.02	3	.92	.01	.06	1	1800
L17100E 21150N	2	29	14	87	.3	26	9	306	3.25	19	5	ND	6	34	.2	10	3	62	.44	.035	17	39	.65	667	.05	4	2.15	.01	.05	1	190
L17100E 21200N	2	16	11	53	.2	13	8	482	2.09	21	5	ND	1	24	.7	12	2	55	.29	.032	13	26	.33	353	.04	2	1.38	.01	.04	1	80
L17100E 21250N	2	19	5	70	.2	18	6	178	2.50	31	5	ND	3	25	.2	12	2	61	.23	.045	15	29	.42	359	.04	3	1.69	.01	.04	1	130
L17100E 21300N	1	35	10	93	.2	26	9	351	2.80	9	5	ND	4	40	.2	2	2	49	.51	.073	17	32	.57	434	.06	3	1.87	.01	.06	1	140
L17100E 21350N	1	24	8	66	.1	19	8	188	2.54	10	5	ND	3	32	.2	4	2	49	.49	.049	16	31	.58	342	.06	3	1.79	.01	.04	1	80
L17100E 21400N	1	33	9	71	.2	24	9	272	2.80	9	5	ND	5	37	.2	2	6	51	.55	.053	18	34	.61	454	.06	5	1.89	.01	.05	1	100
L17100E 21450N	1	30	14	64	.1	22	7	174	2.53	2	5	ND	4	25	.2	2	2	46	.31	.050	20	30	.50	459	.06	3	1.58	.01	.04	1	160
L17100E 21500N	1	25	5	66	.2	25	7	188	2.52	4	5	ND	4	30	.2	2	2	48	.36	.065	18	31	.47	454	.05	2	1.58	.01	.04	1	60
L17100E 21550N	1	39	14	82	.2	29	10	593	2.71	7	5	ND	1	40	.4	2	2	48	.46	.080	18	29	.46	608	.04	4	1.65	.01	.06	1	120
L17100E 21600N	1	23	5	60	.1	23	7	206	2.69	7	5	ND	5	20	.2	2	3	46	.22	.032	14	30	.49	208	.06	2	1.67	.01	.03	2	30
L17100E 21650N	1	33	15	67	.1	26	8	269	2.83	7	5	ND	6	26	.2	3	2	47	.30	.040	19	34	.53	390	.07	5	1.64	.01	.04	1	60
L17100E 21700N	1	23	12	67	.2	26	8	219	2.78	4	5	ND	5	23	.2	2	2	54	.27	.055	16	33	.52	328	.06	3	1.89	.01	.05	1	40
L17100E 21750N	1	31	9	59	.1	21	7	174	2.55	8	5	ND	5	22	.2	2	2	44	.23	.043	17	30	.48	297	.06	3	1.73	.01	.04	1	50
L17300E 20000N	1	16	13	51	.1	17	6	138	2.43	7	5	ND	4	13	.2	2	2	42	.11	.014	17	26	.38	168	.04	2	1.57	.01	.04	1	10
L17300E 20050N	1	17	4	60	.1	17	7	161	3.02	11	5	ND	5	14	.2	5	3	41	.09	.018	21	25	.39	155	.02	4	1.68	.01	.05	1	20
STANDARD C	19	60	38	132	7.3	73	30	1024	4.08	41	23	7	37	53	18.6	16	18	56	.52	.095	37	59	.92	180	.07	35	1.95	.06	.14	11	1500

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	Hg ppb
L17300E 20100N	1	12	10	57	.1	16	6	118	2.27	2	5	ND	6	12	.2	2	2	31	.07	.019	36	16	.20	123	.02	2	1.11	.01	.05	1	10
L17300E 20150N	1	9	8	50	.1	15	4	64	1.88	2	5	ND	4	11	.2	2	2	33	.08	.016	24	14	.18	130	.02	2	1.00	.01	.05	1	10
L17300E 20200N	1	16	9	59	.1	24	4	78	1.95	5	5	ND	3	15	.2	2	2	27	.13	.031	23	21	.33	189	.02	4	1.13	.01	.07	2	20
L17300E 20250N	1	13	15	58	.3	19	5	67	2.31	52	5	ND	4	13	.2	122	2	33	.09	.025	26	16	.17	234	.02	2	1.13	.01	.05	2	10
L17300E 20300N	1	9	9	56	.2	12	5	115	2.71	22	5	ND	4	11	.2	19	2	47	.08	.027	21	23	.29	143	.03	2	1.56	.01	.04	1	20
L17300E 20350N	1	32	26	117	.8	33	7	404	2.57	108	5	ND	5	28	.8	143	2	28	.15	.039	37	21	.29	391	.02	5	1.02	.01	.07	1	50
L17300E 20450N	1	25	21	73	.1	20	5	123	2.26	10	5	ND	3	16	.2	6	2	30	.15	.038	31	23	.31	230	.03	6	1.28	.01	.06	2	30
L17300E 20500N	1	17	10	64	.1	20	5	110	2.34	12	5	ND	5	16	.2	5	2	34	.18	.039	23	24	.38	184	.04	3	1.42	.01	.05	1	20
L17300E 20550N	1	30	12	80	.1	24	7	128	2.51	12	5	ND	5	18	.2	5	2	33	.19	.037	33	26	.37	273	.04	4	1.39	.01	.07	1	30
L17300E 20600N	3	30	8	108	.2	22	7	167	2.73	37	5	ND	6	34	.2	16	3	65	.15	.042	21	30	.34	411	.04	2	1.64	.01	.04	1	750
L17300E 20650N	3	27	15	86	.3	19	7	284	2.10	81	5	ND	1	91	.3	50	2	75	1.33	.059	11	21	.26	531	.02	2	1.26	.01	.04	1	880
L17300E 20750N	2	25	9	134	.5	26	9	501	1.90	26	5	ND	1	67	2.0	7	2	40	1.02	.071	17	22	.28	554	.02	3	1.39	.01	.04	1	720
L17300E 20850N	2	10	15	185	.2	18	12	1521	3.31	12	5	ND	3	14	1.7	4	2	64	.12	.045	12	28	.29	286	.04	3	2.03	.01	.04	1	40
L17300E 20900N	3	25	8	216	.2	40	11	843	2.88	65	5	ND	1	92	1.3	18	2	38	.99	.084	16	26	.42	703	.02	4	1.35	.01	.07	1	280
L17300E 20950N	1	14	9	112	.1	21	10	319	2.78	21	5	ND	3	26	.9	16	2	55	.29	.020	12	31	.50	476	.05	5	2.08	.01	.03	1	20
L17300E 21000N	2	24	18	185	.3	38	12	217	3.51	47	5	ND	3	21	.2	25	2	196	.10	.041	12	60	.36	388	.02	2	1.98	.01	.03	2	130
L17300E 21050N	1	46	5	74	.3	28	14	693	2.72	10	5	ND	1	76	.2	5	2	43	.91	.060	20	29	.45	702	.03	3	1.94	.01	.04	1	140
L17300E 21100N	1	21	7	57	.2	18	7	168	2.62	8	5	ND	5	22	.3	4	2	47	.23	.037	16	31	.46	286	.06	4	1.85	.01	.04	1	50
L17300E 21150N	1	23	15	57	.1	23	7	203	2.56	2	5	ND	5	18	.2	3	2	45	.16	.021	17	31	.45	330	.05	2	1.80	.01	.04	1	40
L17300E 21200N	1	26	8	60	.1	24	8	162	2.74	6	5	ND	5	22	.3	3	2	48	.24	.015	17	35	.55	315	.05	3	1.97	.01	.04	1	40
L17300E 21250N	1	13	8	56	.2	19	7	165	3.41	10	5	ND	4	14	.2	4	2	63	.09	.029	13	32	.43	245	.04	2	2.19	.01	.03	1	20
L17300E 21300N	1	15	10	51	.3	13	6	196	2.55	7	5	ND	2	19	.2	2	5	54	.18	.035	14	25	.35	245	.04	2	1.61	.01	.05	1	30
L17300E 21350N	1	26	16	78	.3	20	8	371	2.48	5	5	ND	4	36	.2	2	3	48	.60	.056	14	29	.45	661	.04	2	1.79	.01	.07	1	150
L17300E 21400N	1	31	9	66	.1	22	9	206	2.85	9	5	ND	5	20	.7	5	2	49	.21	.030	16	33	.58	242	.06	8	1.83	.01	.04	1	40
L17300E 21450N	1	17	8	58	.2	20	6	171	2.51	9	5	ND	3	22	.2	2	3	46	.25	.050	13	29	.48	263	.05	2	1.68	.01	.04	1	30
L17300E 21500N	1	20	11	60	.2	16	7	154	2.51	5	5	ND	3	22	.5	3	2	48	.28	.048	15	29	.48	314	.05	4	1.75	.01	.04	1	40
L17300E 21550N	1	19	3	82	.4	23	9	595	2.17	7	5	ND	1	41	1.5	4	2	42	.45	.088	15	25	.44	590	.03	8	1.54	.01	.05	1	60
L17300E 21600N	1	32	8	69	.1	24	8	275	2.78	7	5	ND	3	30	.2	3	2	49	.31	.038	16	31	.52	415	.05	2	1.75	.01	.05	3	60
L17300E 21650N	2	18	11	62	.2	16	6	210	2.70	8	5	ND	4	18	.2	4	2	56	.18	.034	14	29	.45	266	.06	5	1.71	.01	.04	2	30
L17300E 21700N	1	28	12	71	.2	23	9	236	2.91	6	5	ND	5	25	.4	3	2	54	.29	.041	17	36	.63	379	.07	2	2.04	.01	.05	1	70
L17300E 21750N	1	25	10	55	.2	19	7	157	2.40	9	5	ND	5	21	.3	6	2	42	.24	.047	16	28	.50	250	.06	6	1.62	.01	.04	1	30
L17500E 20000N	1	19	7	65	.2	22	8	125	3.01	4	5	ND	6	19	.2	5	2	35	.07	.028	34	22	.34	212	.01	2	1.46	.01	.09	1	10
L17500E 20050N	1	8	14	35	.2	11	4	85	1.77	4	5	ND	4	16	.2	2	2	36	.09	.022	28	14	.12	108	.03	4	.90	.01	.04	1	10
L17500E 20100N	1	15	23	67	.2	19	8	195	3.04	9	5	ND	6	14	.5	4	2	45	.10	.027	19	28	.40	170	.03	6	2.04	.01	.06	1	30
L17500E 20150N	1	26	28	128	.2	38	13	177	4.09	17	5	ND	7	20	.2	15	2	34	.05	.061	36	20	.25	188	.01	7	1.52	.01	.11	1	20
L17500E 20200N	1	16	16	100	.8	21	6	141	2.31	225	5	ND	5	17	.2	52	3	30	.12	.025	25	20	.36	225	.03	5	1.04	.01	.08	1	20
STANDARD C	19	58	42	132	7.3	71	29	1032	4.15	37	24	7	37	52	18.4	14	19	56	.53	.098	37	61	.94	181	.07	35	1.96	.06	.14	12	1400

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	Hg ppb
L17500E 20250N	6	103	11	171	.3	142	40	740	9.91	475	7	ND	4	42	.8	76	2	90	.18	.117	26	87	1.40	685	.02	2	3.45	.01	.13	1	40
L17500E 20300N	2	28	11	101	.1	26	11	432	3.11	362	5	ND	4	29	.2	28	2	29	.14	.057	28	19	.37	410	.02	2	1.29	.01	.13	1	20
L17500E 20350N	1	28	21	114	.1	31	11	243	4.55	232	6	ND	6	13	.2	123	2	38	.09	.028	23	26	.36	182	.03	2	1.33	.01	.07	1	10
L17500E 20400N	2	51	17	76	.6	28	8	96	2.53	193	6	ND	1	39	2.0	30	2	50	.51	.089	13	26	.27	676	.01	2	2.33	.01	.09	1	450
L17500E 20450N	2	21	15	92	.1	18	7	220	2.55	69	5	ND	3	34	.3	21	2	61	.22	.051	17	25	.38	445	.03	2	1.63	.01	.05	1	360
L17500E 20500N	2	27	15	139	.1	24	7	168	2.58	42	7	ND	5	35	.2	13	2	58	.20	.050	21	26	.33	435	.04	2	1.50	.01	.04	1	460
L17500E 20550N	2	26	14	162	.1	26	10	329	2.72	83	5	ND	7	50	.2	15	2	54	.15	.050	31	20	.23	500	.04	2	1.09	.01	.04	1	630
L17500E 20600N	2	23	14	88	.1	15	8	201	2.67	69	5	ND	6	24	.3	33	2	53	.16	.023	21	27	.38	297	.05	2	1.74	.01	.04	1	320
L17500E 20650N	2	23	8	112	.1	24	6	164	2.75	64	5	ND	4	24	.5	11	5	70	.18	.027	18	30	.45	312	.05	2	1.95	.01	.04	1	400
L17500E 20700N	2	32	15	103	.1	25	9	271	2.81	28	5	ND	5	37	.5	7	5	64	.42	.059	18	30	.47	446	.07	2	1.67	.01	.04	1	450
L17500E 20750N	1	14	4	87	.1	17	6	140	2.09	17	5	ND	2	33	.3	3	2	46	.41	.051	13	22	.41	372	.04	2	1.33	.01	.04	2	150
L17500E 20800N	1	18	7	96	.1	21	6	171	2.48	16	5	ND	2	28	.2	2	2	49	.32	.055	14	25	.45	376	.04	2	1.63	.01	.05	1	160
L17500E 20850N	1	20	10	79	.1	15	6	189	2.07	11	6	ND	2	29	.8	2	2	39	.32	.058	13	22	.37	406	.03	2	1.32	.01	.05	1	150
L17500E 20900N	2	38	12	89	.1	35	21	849	4.51	71	5	ND	1	35	.2	6	4	78	.21	.061	16	43	.42	729	.04	6	1.97	.01	.08	1	300
L17500E 20950N	1	20	5	58	.1	26	10	259	3.17	39	5	ND	4	22	.2	2	2	58	.17	.033	17	43	.51	534	.05	6	1.66	.01	.04	1	130
L17500E 21000N	1	33	7	73	.1	52	15	288	4.52	54	5	ND	4	23	.2	2	3	74	.17	.026	15	66	.75	736	.07	2	2.51	.01	.05	1	160
L17500E 21050N	1	19	4	80	.3	24	9	221	2.75	13	5	ND	1	27	.2	3	2	51	.35	.072	15	35	.56	631	.05	2	1.76	.01	.04	1	100
L17500E 21100N	1	27	6	65	.1	22	8	257	3.16	13	5	ND	4	20	.2	2	4	57	.14	.032	15	35	.50	401	.05	3	1.87	.01	.05	1	80
L17500E 21150N	1	65	8	94	.1	30	10	297	3.04	15	5	ND	5	30	.2	2	2	47	.14	.041	17	27	.38	463	.05	2	1.40	.01	.05	1	170
L17500E 21200N	1	32	12	77	.1	26	10	268	3.87	18	5	ND	4	19	.2	2	4	68	.15	.028	12	38	.57	280	.05	2	2.53	.01	.05	1	20
L17500E 21250N	1	44	17	72	.1	31	10	264	3.71	9	5	ND	6	17	.2	2	2	62	.15	.015	14	43	.62	414	.05	4	2.66	.01	.05	1	50
L17500E 21300N	1	33	8	73	.1	29	11	289	3.69	8	5	ND	5	17	.2	2	2	62	.14	.023	18	44	.63	407	.06	5	2.40	.01	.04	1	40
L17500E 21350N	1	28	12	68	.1	31	10	196	3.50	16	5	ND	4	16	.2	2	5	54	.16	.031	13	33	.55	299	.05	5	2.13	.01	.05	1	30
L17500E 21400N	1	34	9	66	.4	27	7	138	2.69	7	5	ND	4	23	.2	2	3	46	.26	.057	13	27	.48	342	.04	2	1.69	.01	.06	1	200
L17500E 21450N	2	68	17	128	.1	49	14	313	4.77	20	5	ND	6	21	1.2	2	2	85	.15	.051	12	53	.89	419	.07	3	3.79	.01	.08	1	40
L17500E 21500N	1	28	19	92	.1	25	9	262	3.19	10	5	ND	2	34	.2	2	6	55	.44	.064	15	34	.68	383	.07	4	1.93	.02	.07	1	50
L17500E 21550N	1	38	17	82	.1	31	9	333	3.16	10	5	ND	5	36	.2	2	3	51	.43	.063	17	32	.59	579	.06	2	1.65	.02	.05	1	220
L17500E 21600N	1	20	9	63	.1	18	8	230	3.02	8	5	ND	4	19	.2	2	2	58	.18	.032	13	33	.50	330	.05	5	1.88	.01	.04	1	30
L17500E 21650N	1	21	11	62	.1	20	8	202	3.11	10	5	ND	4	14	.2	2	3	58	.11	.026	13	31	.45	251	.05	2	2.09	.01	.03	1	20
L17500E 21700N	1	28	4	58	.1	18	7	142	2.80	9	5	ND	4	21	.2	2	2	53	.14	.042	14	28	.39	296	.05	4	1.55	.01	.04	1	30
L17500E 21750N	1	31	10	65	.1	24	10	267	2.73	8	5	ND	5	22	.2	2	2	44	.25	.049	19	29	.52	411	.06	2	1.59	.01	.04	1	40
L22200E 19100N	1	17	12	82	.1	17	16	783	2.87	5	5	ND	1	16	.2	16	3	41	.15	.046	16	25	.42	141	.04	2	1.49	.01	.04	1	50
L22200E 19150N	1	23	15	84	.1	21	8	168	3.50	5	5	ND	4	13	.2	3	4	39	.08	.025	13	23	.37	129	.03	2	1.39	.01	.05	1	20
L22200E 19250N	2	31	37	118	.1	36	16	666	4.08	6	5	ND	1	12	.2	2	5	40	.05	.063	9	18	.21	122	.02	3	1.18	.01	.07	1	40
L22200E 19300N	2	42	59	121	.7	27	7	147	2.54	13	7	ND	1	70	.3	2	4	28	.27	.103	17	15	.11	832	.01	4	1.26	.01	.07	1	190
L22200E 19400N	1	22	18	100	.1	22	10	495	2.59	30	5	ND	1	54	.2	16	2	46	.58	.062	16	27	.53	543	.04	6	1.54	.02	.05	1	280
STANDARD C	18	58	45	132	7.2	69	29	1027	4.07	37	21	6	37	51	18.4	15	22	55	.52	.091	36	57	.91	180	.07	34	1.92	.06	.14	13	1600

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	Hg ppb
L12200E 19450N	1	10	14	69	.1	18	7	150	2.06	32	5	ND	3	38	.3	10	2	41	.46	.061	17	24	.47	256	.06	5	1.29	.01	.04	2	180
L12200E 19550N	1	15	14	76	.1	25	10	196	2.69	45	5	ND	3	32	.9	17	2	53	.36	.049	16	31	.52	315	.06	8	1.63	.01	.06	1	160
L12200E 19700N	2	18	39	139	.5	25	12	608	3.15	402	5	ND	4	85	.6	15	2	62	.97	.098	33	32	.54	697	.04	4	1.62	.01	.05	1	950
L12200E 19750N	2	9	25	125	.2	25	12	333	3.41	36	5	ND	6	23	.7	6	3	63	.20	.057	16	29	.47	394	.08	2	1.69	.01	.07	1	90
L12200E 19800N	3	17	21	158	.3	30	11	696	3.69	49	5	ND	3	46	.2	13	2	72	.27	.071	23	34	.56	1397	.04	4	1.88	.01	.07	1	130
L12200E 19850N	3	14	27	143	.3	22	9	239	3.40	66	5	ND	3	27	1.0	18	2	74	.15	.051	27	31	.55	538	.06	8	1.89	.01	.08	1	110
L12200E 19900N	3	16	38	216	.4	29	14	451	3.77	131	5	ND	10	54	1.1	34	2	72	.30	.096	32	30	.43	839	.05	3	1.56	.01	.11	1	380
L12200E 19950N	2	7	38	174	.3	17	17	465	4.27	29	5	ND	6	27	1.9	9	2	89	.23	.099	15	41	.66	503	.15	6	2.33	.01	.11	1	40
L12200E 20000N	1	4	7	35	.1	5	3	39	.68	11	5	ND	1	16	.5	4	2	24	.10	.029	15	13	.08	143	.01	4	.74	.01	.03	1	60
L12200E 20250N	3	14	23	217	.3	31	10	190	1.94	31	5	ND	1	51	.5	4	2	51	.30	.069	18	23	.33	751	.02	6	1.27	.01	.07	1	860
L12200E 20300N	3	41	15	140	1.2	43	7	197	1.75	35	5	ND	1	106	3.4	4	2	142	.90	.148	11	34	.35	828	.02	7	1.05	.01	.05	1	1800
L12200E 20350N	5	55	17	139	2.7	30	7	335	1.97	48	5	ND	1	110	2.9	6	2	152	.43	.157	14	43	.19	934	.01	5	1.14	.01	.07	1	1100
L12200E 20400N	5	55	13	118	1.7	47	9	1980	1.83	28	5	ND	1	114	5.2	5	2	144	.49	.190	10	33	.16	2263	.01	9	1.21	.01	.06	2	330
L12200E 20450N	2	37	12	113	.5	30	10	370	2.78	104	5	ND	1	42	.5	2	2	49	.16	.085	11	28	.25	725	.01	6	1.63	.01	.09	1	160
L12200E 20500N	3	45	37	146	.6	36	12	328	2.86	104	5	ND	1	51	.6	5	2	45	.16	.073	12	23	.18	804	.01	6	1.26	.01	.11	1	180
L12200E 20550N	1	14	17	98	.4	19	9	347	2.39	59	5	ND	1	22	.2	4	2	40	.16	.045	11	22	.27	424	.02	7	1.14	.01	.10	1	60
L12200E 20600N	1	20	24	144	.1	18	10	302	2.74	41	5	ND	3	49	.2	3	2	43	.14	.046	11	20	.23	532	.02	4	1.19	.01	.08	1	40
L12200E 20650N	1	10	15	199	.3	20	11	419	2.75	26	5	ND	3	16	1.2	2	6	57	.15	.022	12	26	.31	377	.04	5	1.72	.01	.04	1	10
L12200E 20700N	2	16	9	99	.4	22	10	221	3.13	32	5	ND	2	16	.2	2	2	56	.12	.029	10	25	.27	313	.03	3	1.75	.01	.04	1	90
L12200E 20800N	2	20	11	170	.2	22	14	2129	2.64	37	5	ND	1	22	.5	3	2	44	.28	.032	9	21	.25	737	.02	5	1.45	.01	.08	2	30
L12200E 20850N	8	30	11	164	.1	28	8	228	2.44	29	5	ND	1	17	1.3	3	2	57	.13	.035	11	15	.06	254	.02	3	.68	.01	.05	1	20
L12200E 20900N	5	28	11	109	.1	11	6	411	1.31	30	5	ND	1	43	.8	2	2	52	.69	.037	9	15	.13	412	.03	3	.58	.01	.06	1	90
L12200E 21000N	2	33	7	87	.3	19	9	755	1.90	9	5	ND	1	83	.5	2	2	35	1.16	.149	9	21	.40	860	.01	4	1.35	.01	.05	2	130
L12200E 21050N	1	21	10	119	.1	16	11	886	2.50	9	5	ND	1	28	.7	2	2	41	.33	.073	11	22	.32	486	.02	3	1.22	.01	.06	1	30
L12200E 21100N	4	34	22	49	.2	19	6	270	2.17	9	5	ND	1	69	.2	2	2	48	.07	.074	10	25	.16	433	.01	8	1.01	.01	.10	2	330
L12200E 21150N	3	35	21	40	.6	14	3	421	1.00	4	5	ND	1	55	.3	2	2	33	.08	.069	5	19	.06	528	.01	14	.60	.01	.13	1	270
L12200E 21200N	4	36	25	157	.9	29	6	432	2.94	19	5	ND	1	176	1.8	3	5	54	.87	.279	9	22	.07	677	.01	2	.77	.01	.10	2	80
L12200E 21250N	3	48	22	198	.5	38	27	3832	4.12	13	5	ND	1	66	7.6	4	3	36	.66	.304	12	18	.15	1447	.01	6	1.06	.01	.12	1	60
L12200E 21300N	1	30	24	92	.3	22	18	3067	3.23	16	5	ND	1	37	.8	3	4	48	.41	.073	12	24	.27	1363	.03	2	1.64	.01	.07	1	40
L12200E 21350N	1	33	28	135	.7	23	15	1449	3.40	27	5	ND	1	38	.6	2	2	55	.30	.081	15	27	.32	1087	.02	3	1.71	.01	.09	1	60
L12200E 21400N	3	37	27	118	.1	30	16	417	4.10	33	5	ND	1	52	.2	5	2	43	.05	.109	44	17	.11	404	.01	4	1.17	.01	.07	1	280
L12200E 21450N	3	19	17	98	.1	25	11	473	4.22	37	5	ND	1	17	.5	4	2	62	.11	.071	15	23	.28	149	.04	2	1.15	.01	.07	1	60
L12200E 21500N	2	18	17	71	.1	21	14	402	3.89	18	5	ND	4	15	.8	3	4	65	.12	.040	17	44	.54	223	.07	3	2.85	.01	.05	1	40
L12300E 19000N	1	4	16	50	.1	5	5	376	2.23	15	5	ND	1	14	1.0	2	2	51	.11	.033	16	21	.18	171	.04	2	1.36	.01	.04	1	10
L12300E 19050N	2	19	17	50	.2	10	6	87	2.23	10	5	ND	2	13	.5	3	2	56	.04	.055	34	21	.13	340	.01	7	1.99	.01	.06	1	30
L12300E 19100N	2	31	26	111	.1	37	17	405	3.18	17	5	ND	4	71	.2	2	5	25	.11	.042	39	15	.18	388	.01	5	.72	.01	.09	1	40
STANDARD C	19	57	40	132	7.3	73	32	1031	4.07	44	25	8	38	53	18.5	16	21	56	.53	.097	38	61	.93	180	.07	34	1.94	.06	.14	12	1600

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	Hg ppb
L22300E 19300N	1	17	15	79	.1	16	6	146	2.59	11	5	ND	2	72	.5	8	2	27	.44	.051	17	20	.35	312	.01	2	1.19	.01	.06	1	80
L22300E 19350N	2	33	20	217	.1	66	15	325	3.48	11	5	ND	3	83	.2	2	2	44	.43	.057	73	29	.40	788	.01	2	1.24	.01	.08	1	60
L22300E 19400N	1	20	18	104	.1	30	9	296	3.00	10	5	ND	3	44	.6	2	3	40	.24	.061	20	26	.40	349	.03	4	1.26	.01	.06	1	10
L22300E 19500N	1	13	13	85	.1	21	10	435	2.38	22	5	ND	1	31	.2	7	2	44	.35	.063	14	26	.47	268	.05	2	1.35	.01	.05	1	100
L22300E 19550N	1	19	7	67	.1	21	6	160	2.30	7	5	ND	1	21	.2	2	3	36	.28	.060	14	24	.42	174	.05	2	1.13	.01	.05	1	10
L22300E 19600N	1	25	14	77	.1	27	8	302	2.63	9	5	ND	4	20	.2	2	4	37	.28	.070	16	27	.46	164	.06	5	1.30	.01	.05	1	20
L22300E 19650N	1	16	16	85	.1	24	5	162	2.25	8	5	ND	1	24	.2	2	2	38	.28	.059	13	26	.46	264	.04	2	1.28	.01	.05	1	50
L22300E 19700N	1	19	16	93	.1	26	7	211	2.42	13	5	ND	3	42	.2	2	2	45	.49	.055	17	25	.51	526	.06	2	1.43	.01	.05	1	70
L22300E 19800N	1	8	2	50	.1	9	4	104	1.94	12	5	ND	3	13	.2	2	2	46	.11	.035	13	17	.21	294	.05	2	1.00	.01	.04	2	30
L22300E 19850N	1	20	16	82	.1	17	5	157	2.19	16	5	ND	1	25	.2	5	5	40	.22	.058	16	23	.36	387	.03	3	1.31	.01	.04	1	190
L22300E 19900N	1	22	13	71	.1	21	7	155	3.00	13	5	ND	3	19	.2	2	3	51	.18	.030	12	28	.46	241	.05	2	1.60	.01	.05	1	20
L22300E 19950N	2	18	12	71	.1	21	6	129	2.21	34	5	ND	1	35	.2	4	2	43	.15	.040	14	20	.29	645	.02	2	1.15	.01	.05	1	130
L22300E 20000N	2	16	20	97	.1	19	6	180	2.46	33	5	ND	2	37	.2	7	4	45	.18	.036	16	22	.34	483	.03	2	1.17	.01	.06	1	140
L22300E 20050N	2	16	18	108	.1	22	7	248	2.70	71	5	ND	1	34	.2	12	5	47	.17	.058	18	26	.40	367	.03	2	1.38	.01	.06	2	460
L22300E 20200N	3	30	8	763	.6	110	7	491	1.66	30	5	ND	1	116	12.2	3	2	60	2.13	.125	10	23	.53	680	.02	11	1.00	.01	.06	1	720
L22300E 20250N	10	71	18	300	2.4	36	5	253	1.69	19	5	ND	1	149	7.1	9	2	318	.44	.156	12	56	.21	1153	.01	2	1.13	.01	.09	2	920
L22300E 20300N	5	43	7	276	.8	38	7	289	1.99	13	5	ND	1	60	2.7	2	2	77	.59	.118	12	26	.38	709	.02	3	1.13	.01	.06	1	400
L22300E 20350N	8	44	13	260	.4	39	6	192	2.35	13	5	ND	1	38	5.9	3	2	124	.27	.076	10	29	.29	946	.01	2	1.22	.01	.06	1	300
L22300E 20400N	8	30	8	221	2.0	34	6	175	2.76	14	5	ND	1	27	2.6	2	4	72	.11	.068	7	26	.11	600	.01	4	.98	.01	.07	1	350
L22300E 20450N	3	32	11	112	.2	26	9	187	3.40	18	5	ND	3	25	.2	2	2	49	.10	.036	9	22	.29	355	.02	2	1.39	.01	.05	1	80
L22300E 20500N	1	12	17	95	.1	16	8	250	3.55	28	5	ND	6	14	.4	5	2	53	.13	.039	21	26	.34	228	.01	2	2.26	.01	.07	2	50
L22300E 20550N	2	24	14	68	.1	19	6	322	3.46	16	5	ND	1	12	.2	2	2	44	.08	.042	11	20	.22	113	.04	2	.97	.01	.05	1	20
L22300E 20600N	1	27	11	66	.1	26	8	219	2.91	16	5	ND	4	18	.2	2	2	44	.18	.048	16	28	.47	206	.05	2	1.63	.01	.04	1	220
L22300E 20650N	5	27	14	170	.1	35	12	661	3.29	49	5	ND	2	18	.7	3	2	61	.14	.045	14	28	.43	249	.03	6	1.75	.01	.06	1	200
L22300E 20700N	6	36	15	104	.3	35	9	376	2.73	28	5	ND	1	49	.2	3	4	44	.35	.083	11	22	.31	709	.02	2	1.17	.01	.07	1	290
L22300E 20750N	1	24	15	64	.2	24	8	301	2.63	7	5	ND	1	18	.2	2	2	43	.17	.071	15	30	.42	432	.02	4	1.86	.01	.05	1	110
L22300E 20800N	1	18	17	67	.1	29	8	299	3.00	12	5	ND	1	17	.2	2	2	46	.15	.049	12	29	.47	259	.03	2	1.67	.01	.05	1	70
L22300E 20850N	2	29	20	93	.6	30	10	1178	3.55	21	5	ND	1	30	.8	2	2	46	.33	.070	12	25	.29	815	.02	4	1.43	.01	.10	1	80
L22300E 20900N	1	20	16	77	.8	24	8	488	3.55	16	5	ND	2	12	.6	2	2	53	.11	.036	10	27	.32	337	.04	2	1.98	.01	.06	1	50
L22300E 20950N	1	12	17	58	.1	20	8	326	3.17	17	5	ND	3	16	.5	2	2	55	.15	.024	11	27	.34	552	.04	2	1.86	.01	.04	1	20
L22300E 21000N	1	18	14	92	.3	23	10	405	3.25	34	5	ND	3	26	.3	2	2	61	.12	.042	12	31	.41	381	.04	2	1.97	.01	.07	1	50
L22300E 21050N	1	16	10	88	.6	21	8	379	2.86	9	5	ND	1	23	.2	2	2	49	.26	.044	11	28	.46	604	.03	2	1.82	.01	.06	2	90
L22300E 21100N	2	22	15	95	.2	29	10	304	4.01	25	5	ND	4	16	.2	2	2	58	.11	.031	12	35	.54	347	.05	2	2.43	.01	.06	1	50
L22300E 21150N	1	14	12	67	.2	14	6	184	2.29	6	5	ND	1	21	.2	2	2	35	.19	.055	10	23	.34	396	.02	2	1.23	.01	.07	1	50
L22300E 21200N	2	23	14	90	.5	23	9	331	3.67	5	5	ND	1	14	.2	2	2	54	.09	.045	11	29	.35	268	.03	2	1.78	.01	.06	1	60
L22300E 21250N	2	18	25	67	.5	19	7	369	2.74	11	5	ND	1	18	.2	2	2	38	.11	.097	15	22	.25	310	.01	3	1.34	.01	.06	1	150
STANDARD C	20	60	43	133	7.3	72	30	1019	4.17	42	18	7	38	53	18.5	14	18	56	.53	.097	38	59	.95	182	.07	37	1.97	.06	.13	12	1400

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	Hg ppb
L22300E 21300N	2	26	22	105	.6	23	8	435	3.20	7	5	ND	1	21	.8	2	3	44	.13	.062	13	27	.32	489	.02	2	1.72	.01	.08	1	70
L22300E 21350N	2	20	21	67	.1	21	7	266	3.20	10	5	ND	1	16	.5	2	2	51	.11	.040	13	29	.36	231	.04	5	1.77	.01	.04	1	60
L22300E 21400N	1	21	20	107	.5	15	9	483	4.14	10	5	ND	3	12	.5	2	3	72	.10	.041	14	40	.45	225	.08	2	2.60	.01	.05	1	40
L22300E 21450N	1	20	21	50	.1	15	6	612	2.89	7	5	ND	1	20	.6	2	2	44	.24	.054	15	22	.23	428	.02	2	1.26	.01	.04	2	80
L22300E 21500N	1	39	14	118	.6	38	12	1568	3.22	11	5	ND	1	48	.3	2	3	25	1.35	.115	17	15	.27	997	.02	4	1.08	.01	.07	1	200
L22400E 19000N	1	7	13	51	.2	6	5	235	2.14	2	5	ND	2	11	.2	2	3	50	.10	.019	16	18	.18	165	.05	3	1.10	.01	.04	1	5
L22400E 19050N	1	15	10	65	.1	12	6	220	3.03	5	5	ND	1	18	.2	2	2	58	.05	.058	23	22	.21	84	.02	4	1.49	.01	.04	1	5
L22400E 19100N	1	19	13	70	.1	18	8	249	3.37	5	5	ND	1	17	.2	2	2	46	.06	.044	16	22	.25	91	.02	2	1.33	.01	.05	1	5
L22400E 19150N	4	40	22	126	.9	23	6	91	2.28	72	5	ND	2	175	.9	4	4	41	.08	.076	16	14	.11	1139	.01	7	.63	.01	.09	1	150
L22400E 19200N	4	32	21	100	.9	24	5	66	2.53	19	5	ND	1	100	.8	2	5	45	.16	.102	18	19	.15	740	.01	4	1.23	.01	.07	2	260
L22400E 19300N	2	22	6	103	.1	34	11	241	3.19	13	5	ND	4	57	.2	2	2	37	.14	.028	22	25	.43	266	.01	2	1.36	.01	.06	1	20
L22400E 19350N	3	18	18	86	.2	18	18	798	3.79	10	5	ND	1	80	.5	12	2	39	.66	.071	20	23	.41	505	.01	3	1.48	.01	.07	1	110
L22400E 19500N	1	16	13	63	.1	22	11	348	3.13	8	5	ND	1	25	.2	2	2	39	.31	.062	15	25	.43	259	.04	3	1.28	.01	.04	1	20
L22400E 19550N	1	26	10	81	.1	23	8	255	2.82	11	5	ND	1	24	1.0	2	2	45	.30	.058	15	29	.50	278	.06	2	1.46	.01	.06	1	30
L22400E 19600N	1	29	12	110	.1	28	9	255	3.16	7	5	ND	3	38	1.2	2	2	46	.41	.068	15	32	.65	382	.07	5	1.55	.02	.07	1	30
L22400E 19650N	1	35	17	109	.1	27	10	297	3.11	10	5	ND	5	37	.7	2	2	49	.47	.077	18	33	.68	451	.08	6	1.65	.02	.07	1	40
L22400E 19750N	6	18	20	115	.1	20	4	62	2.14	23	5	ND	1	138	.2	2	2	49	.20	.046	9	15	.16	872	.01	5	.85	.01	.09	2	60
L22400E 19800N	6	25	28	115	.5	25	7	216	4.10	32	5	ND	2	93	.6	3	2	56	.33	.067	14	18	.14	1106	.01	3	1.29	.01	.10	1	260
L22400E 19850N	4	25	10	70	.2	20	5	123	2.48	15	5	ND	2	61	.4	2	2	51	.21	.075	11	23	.30	656	.03	4	1.18	.01	.07	1	70
L22400E 19900N	2	17	12	73	.1	22	7	192	2.48	11	5	ND	4	28	.4	2	2	42	.18	.038	14	24	.41	404	.04	3	1.30	.01	.04	1	20
L22400E 19950N	3	32	23	122	.1	29	8	249	2.87	18	5	ND	3	56	.7	2	2	52	.23	.063	16	26	.37	616	.03	9	1.37	.01	.07	2	120
L22400E 20000N	3	19	8	91	.1	21	6	187	2.38	12	5	ND	1	54	.5	2	4	50	.22	.056	13	24	.37	443	.04	2	1.17	.01	.05	1	110
L22400E 20200N	7	79	21	382	3.1	50	11	1039	2.98	15	5	ND	1	104	11.5	2	2	85	1.27	.057	12	21	.20	1040	.02	4	1.14	.01	.07	1	500
L22400E 20250N	7	42	18	727	.4	57	9	266	4.06	13	5	ND	2	31	6.4	4	2	98	.14	.049	9	29	.22	433	.01	6	1.22	.01	.09	2	70
L22400E 20300N	10	28	12	685	.5	36	7	256	2.86	21	5	ND	2	27	5.7	4	2	148	.15	.061	11	30	.32	405	.02	5	1.60	.01	.07	1	160
L22400E 20350N	12	30	21	402	8.6	30	6	162	3.33	25	8	ND	2	119	6.4	5	2	573	.47	.422	16	142	.30	769	.03	8	2.23	.01	.09	1	210
L22400E 20400N	5	13	16	221	.2	21	7	167	3.12	12	5	ND	2	22	1.2	2	2	74	.11	.054	11	31	.35	256	.03	3	2.03	.01	.04	1	40
L22400E 20450N	3	22	27	105	.4	21	7	266	3.52	14	5	ND	1	124	.2	2	2	82	.12	.110	15	31	.34	428	.03	3	1.59	.01	.12	1	60
L22400E 20500N	5	36	21	130	.1	34	14	1372	2.85	19	5	ND	1	32	.2	4	2	39	.06	.055	13	15	.07	234	.03	2	.74	.01	.06	1	90
L22400E 20600N	2	35	48	350	.6	37	9	392	2.33	21	5	ND	1	89	2.4	3	2	49	1.33	.124	11	25	.41	652	.01	5	1.44	.01	.06	1	790
L22400E 20650N	2	21	214	329	.1	23	7	188	2.93	32	5	ND	1	21	.5	2	2	50	.21	.066	14	29	.43	449	.03	3	1.64	.01	.05	2	140
L22400E 20700N	1	8	95	132	.1	9	3	81	1.64	6	5	ND	1	15	.2	2	2	40	.13	.037	14	22	.26	221	.03	2	1.39	.01	.04	1	60
L22400E 20750N	1	18	34	100	.1	17	6	114	2.71	11	5	ND	1	17	.3	2	2	48	.15	.063	14	30	.41	233	.03	2	1.82	.01	.04	2	70
L22400E 20800N	1	14	24	69	.1	15	5	124	2.35	9	5	ND	1	15	.2	2	2	46	.12	.053	13	28	.39	220	.04	2	1.68	.01	.04	1	20
L22400E 20850N	2	17	17	76	.4	18	7	211	3.05	19	5	ND	3	21	.2	2	2	66	.13	.028	12	35	.41	293	.03	5	2.05	.01	.05	1	80
L22400E 20900N	2	13	17	59	.1	15	6	221	2.82	16	5	ND	1	24	.2	2	2	63	.11	.055	12	30	.32	306	.03	2	1.87	.01	.04	1	40
STANDARD C	19	57	41	132	7.3	70	29	1032	4.13	43	20	7	37	53	18.5	15	19	56	.53	.097	37	59	.94	181	.07	37	1.95	.06	.14	12	1600

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	Hg ppb
L22400E 20950N	2	18	13	114	.5	21	9	310	3.57	24	5	ND	3	34	.7	2	3	63	.12	.112	12	34	.44	445	.04	4	2.12	.01	.07	1	100
L22400E 21000N	2	21	12	115	.3	28	9	296	3.60	22	5	ND	4	16	.2	2	4	60	.11	.083	13	36	.48	294	.04	2	2.32	.01	.06	1	90
L22400E 21050N	2	16	20	87	.4	15	7	308	3.49	17	5	ND	2	36	.8	2	6	68	.11	.083	12	33	.35	350	.02	2	2.00	.01	.06	1	30
L22400E 21100N	4	34	18	103	.6	44	12	335	4.63	32	5	ND	3	62	.2	4	2	69	.09	.110	13	33	.44	332	.03	9	2.03	.01	.08	1	80
L22400E 21150N	5	22	33	153	1.6	34	10	323	5.46	44	5	ND	1	147	.3	2	2	102	.17	.235	16	49	.49	639	.03	6	2.77	.01	.14	1	150
L22400E 21200N	1	14	12	65	.1	21	7	166	3.41	15	5	ND	2	17	.2	2	2	42	.17	.053	12	29	.44	123	.04	8	1.61	.01	.03	1	50
L22400E 21250N	3	32	31	85	.3	25	10	315	3.52	17	5	ND	1	32	.5	4	4	46	.07	.069	14	23	.22	312	.02	6	1.44	.01	.07	2	60
L22400E 21300N	2	17	9	82	.3	18	8	503	3.39	16	5	ND	1	19	1.0	2	5	58	.09	.060	12	27	.32	183	.05	2	1.48	.01	.06	2	40
L22400E 21350N	2	17	11	58	.1	13	5	166	2.64	17	5	ND	1	16	.2	2	7	80	.06	.052	14	20	.14	85	.06	2	.99	.01	.05	1	50
L22400E 21400N	1	11	7	55	.1	7	2	90	1.26	7	5	ND	1	19	.2	2	2	19	.17	.135	5	15	.07	218	.01	4	.51	.01	.04	1	140
L22400E 21450N	2	26	24	132	.6	27	8	270	3.36	61	5	ND	1	35	.8	3	2	37	.34	.121	21	18	.21	400	.01	5	1.00	.01	.07	1	170
L22400E 21500N	2	19	9	67	.1	25	11	471	2.92	11	5	ND	1	20	.2	2	4	38	.11	.100	15	22	.18	362	.01	10	1.09	.01	.06	1	130
L22500E 19000N	1	33	13	141	.8	54	18	635	2.08	3	5	ND	1	150	2.3	3	2	20	.93	.090	8	10	.23	1374	.01	11	.87	.01	.08	2	160
L22500E 19050N	2	21	26	182	.1	33	7	112	2.20	184	5	ND	7	86	2.3	5	2	33	.09	.035	38	13	.08	666	.01	6	.82	.01	.08	2	20
L22500E 19100N	2	16	13	124	.1	23	9	220	3.13	16	5	ND	4	59	.2	2	2	39	.06	.048	24	21	.27	294	.01	7	1.15	.01	.05	1	10
L22500E 19150N	1	16	8	77	.3	21	8	215	2.92	11	5	ND	5	19	.8	2	3	48	.09	.014	17	31	.53	250	.03	7	1.84	.01	.04	2	20
L22500E 19200N	1	8	13	51	.1	10	5	290	2.73	9	5	ND	3	17	.3	2	3	50	.15	.040	14	22	.31	175	.03	2	1.33	.01	.04	1	10
L22500E 19250N	1	5	25	30	.1	5	2	29	.94	4	5	ND	1	13	.2	2	3	23	.07	.056	11	13	.08	118	.01	6	.77	.01	.02	1	30
L22500E 19300N	2	35	21	143	.3	42	14	472	4.24	43	6	ND	5	76	.9	3	2	60	.32	.081	40	52	.62	484	.05	2	1.67	.01	.09	1	70
L22500E 19500N	3	33	9	120	.1	31	9	233	2.88	14	5	ND	5	76	.6	2	4	49	.42	.076	18	29	.53	1016	.06	9	1.36	.02	.06	1	80
L22500E 19600N	1	22	4	87	.1	27	8	256	2.75	12	5	ND	3	26	.2	3	2	44	.31	.063	17	30	.54	417	.06	4	1.50	.01	.05	1	40
L22500E 19650N	1	29	11	83	.1	28	8	233	2.66	12	5	ND	5	28	.2	2	2	37	.44	.076	16	25	.52	280	.06	10	1.16	.02	.05	1	20
L22500E 19700N	6	24	7	197	.3	39	8	186	2.31	107	5	ND	2	73	.8	22	2	43	.79	.072	19	26	.47	579	.02	3	1.53	.01	.04	1	310
L22500E 19850N	6	34	15	197	.4	49	9	143	2.56	28	5	ND	1	84	2.0	4	3	67	.87	.103	14	23	.37	1292	.01	9	1.40	.01	.06	1	160
L22500E 19900N	2	15	6	66	.1	17	4	91	1.86	7	5	ND	1	29	.6	3	3	33	.22	.048	13	20	.33	291	.03	3	1.01	.01	.04	1	70
L22500E 19950N	1	9	6	49	.1	14	3	71	1.41	2	5	ND	1	23	.6	2	4	27	.22	.051	12	15	.26	189	.03	2	.77	.01	.03	1	90
L22500E 20000N	9	30	5	248	.8	58	7	303	2.10	54	6	ND	1	78	4.1	9	2	114	.99	.092	7	28	.17	1284	.01	9	.62	.01	.05	1	1300
L22500E 20050N	4	15	5	140	.5	14	2	39	.77	8	5	ND	2	25	1.1	2	2	117	.31	.018	11	16	.16	296	.02	8	.66	.01	.06	1	100
L22500E 20100N	6	29	9	427	.5	48	7	176	2.50	10	5	ND	1	42	2.4	5	2	81	.77	.035	6	17	.17	293	.01	5	.78	.01	.05	1	70
L22500E 20150N	13	26	13	471	.6	49	6	241	2.56	35	5	ND	1	49	1.6	4	2	134	.50	.131	11	40	.19	421	.02	4	.93	.01	.08	2	60
L22500E 20200N	12	39	6	378	1.1	50	7	509	1.34	26	5	ND	1	127	1.6	6	2	88	2.47	.114	5	15	.39	562	.01	8	.51	.01	.04	1	1200
L22500E 20250N	9	34	12	658	.2	49	8	227	3.56	59	5	ND	2	42	6.4	2	2	90	.19	.049	11	22	.22	806	.01	5	1.25	.01	.11	1	140
L22500E 20300N	6	44	21	1457	.4	77	19	978	4.52	86	5	ND	2	52	16.2	7	2	104	.33	.068	10	26	.27	1340	.01	5	1.70	.01	.10	1	160
L22500E 20350N	2	29	11	779	.2	57	13	371	4.20	17	5	ND	8	16	3.0	4	2	54	.10	.038	15	33	.49	693	.05	2	2.45	.01	.09	1	60
L22500E 20400N	6	78	22	763	.2	95	19	854	4.59	78	5	ND	3	17	5.7	9	3	79	.11	.061	9	35	.38	440	.04	7	2.63	.01	.06	1	40
L22500E 20550N	2	35	14	249	.4	37	8	312	2.06	21	5	ND	1	97	2.1	4	2	41	1.80	.108	10	18	.44	467	.01	8	1.00	.01	.05	1	610
STANDARD C	19	58	36	132	7.3	72	29	1024	4.13	43	22	7	37	52	18.5	16	19	56	.53	.098	37	59	.94	179	.07	36	1.96	.06	.14	12	1300

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	Hg ppb
L22500E 20600N	1	20	184	323	.2	20	6	200	2.54	30	5	ND	3	20	.8	2	2	58	.18	.040	16	31	.45	493	.04	7	2.12	.01	.05	1	230
L22500E 20650N	1	25	224	430	.1	21	7	233	2.88	30	5	ND	2	22	.9	2	2	60	.18	.055	16	35	.50	603	.04	5	2.24	.01	.06	1	260
L22500E 20700N	1	17	182	291	.2	14	4	116	1.94	15	5	ND	1	22	.8	2	2	52	.19	.035	14	27	.39	480	.04	6	1.69	.01	.04	1	90
L22500E 20750N	1	34	708	327	.5	18	5	163	2.14	6	5	ND	1	23	2.8	2	3	53	.18	.042	14	29	.37	960	.04	4	1.80	.01	.05	1	110
L22500E 20800N	1	18	187	438	.5	22	7	223	3.14	17	5	ND	4	16	1.3	2	4	66	.10	.030	13	39	.50	445	.05	5	2.39	.01	.05	1	120
L22500E 20850N	1	31	457	683	.7	33	8	217	2.86	19	5	ND	6	16	1.2	2	2	48	.12	.032	13	36	.54	242	.04	5	2.15	.01	.07	1	430
L22500E 20900N	2	37	193	1018	.6	22	8	337	2.94	19	5	ND	2	24	1.8	2	2	58	.10	.066	11	29	.33	427	.02	5	2.05	.01	.08	1	120
L22500E 20950N	1	24	70	303	.2	20	6	193	2.98	17	5	ND	2	19	1.0	2	2	59	.14	.041	13	33	.47	318	.04	3	2.05	.01	.04	1	80
L22500E 21000N	1	16	10	86	.2	15	7	279	2.74	13	5	ND	2	13	.4	2	2	58	.08	.054	14	31	.40	273	.04	2	2.19	.01	.04	1	40
L22500E 21050N	1	14	9	76	.4	15	8	1105	2.72	13	5	ND	2	18	.2	2	2	62	.11	.050	15	22	.23	302	.05	5	1.63	.01	.06	1	20
L22500E 21100N	1	20	13	91	.3	25	8	492	3.05	16	5	ND	3	18	.5	2	2	55	.10	.052	14	32	.49	248	.04	2	2.12	.01	.06	1	30
L22500E 21150N	2	14	19	44	.2	10	3	105	1.69	10	5	ND	1	47	.2	2	2	65	.08	.059	14	17	.10	289	.02	2	1.06	.01	.06	1	30
L22500E 21200N	1	27	17	84	.3	22	5	209	2.22	11	5	ND	1	54	.3	2	2	48	.20	.099	13	24	.32	331	.02	7	1.35	.01	.08	1	260
L22500E 21250N	1	20	19	46	.1	9	3	101	1.83	7	5	ND	1	24	.6	2	2	40	.10	.062	13	21	.19	298	.01	3	1.17	.01	.06	1	70
L22500E 21300N	1	34	11	80	.2	34	9	372	3.20	14	5	ND	4	19	.4	2	2	41	.08	.026	15	29	.44	233	.04	2	1.94	.01	.06	1	170
L22500E 21350N	1	9	12	36	.1	7	3	128	2.33	8	5	ND	1	20	.2	2	2	63	.07	.108	16	20	.17	181	.03	2	1.36	.01	.04	1	100
L22500E 21450N	1	18	16	58	.2	13	4	102	1.52	16	5	ND	1	35	.2	2	2	27	.20	.143	15	14	.13	462	.01	2	.92	.01	.05	1	210
L22600E 19100N	4	29	18	193	.3	49	13	172	4.17	24	5	ND	5	85	.5	3	3	47	.05	.051	37	19	.18	332	.01	3	1.45	.01	.10	1	30
L22600E 19600N	6	16	12	118	.1	21	6	159	2.40	62	5	ND	3	40	.7	11	2	70	.35	.043	14	28	.46	504	.06	2	1.31	.01	.06	1	120
L22600E 19750N	1	13	3	805	.3	97	1	422	.24	4	8	ND	1	511	6.3	4	2	40	6.54	.083	2	7	.34	348	.01	21	.18	.01	.03	1	280
L22600E 19800N	4	9	16	137	.4	16	4	159	2.04	38	5	ND	4	80	.9	5	4	54	.20	.040	22	10	.08	1030	.01	6	1.01	.01	.10	1	90
L22600E 19850N	2	8	12	50	.2	12	4	121	2.57	16	5	ND	3	29	.5	2	2	52	.09	.027	18	17	.22	309	.02	2	1.17	.01	.08	2	60
L22600E 19900N	6	17	31	127	.8	17	4	111	2.28	31	5	ND	1	87	1.3	5	2	78	.11	.105	11	18	.11	727	.02	2	.93	.01	.07	1	80
L22600E 19950N	7	20	40	124	3.2	18	4	83	2.29	22	5	ND	1	136	1.7	3	2	99	.24	.195	9	26	.08	802	.01	5	.91	.01	.09	1	210
L22600E 20000N	32	62	15	410	9.7	79	5	133	2.67	49	7	ND	1	144	5.8	18	2	633	.98	.566	25	217	.18	1129	.03	4	1.39	.01	.13	1	80
L22600E 20050N	20	22	10	493	1.5	50	6	402	1.58	13	5	ND	2	25	2.3	8	2	310	.22	.080	15	36	.18	417	.03	3	1.09	.01	.06	1	50
L22600E 20100N	11	244	11	664	5.9	204	7	126	2.02	37	6	ND	1	270	11.1	13	2	237	3.11	1.153	27	173	.12	921	.01	12	1.19	.01	.13	1	760
L22600E 20150N	3	21	15	584	.5	38	10	265	3.18	43	5	ND	3	29	1.6	2	5	66	.16	.157	12	32	.42	378	.03	4	1.99	.01	.09	1	80
L22600E 20200N	3	27	14	527	.5	40	12	1010	2.56	11	5	ND	1	52	1.5	3	2	38	.72	.055	7	17	.17	833	.01	7	1.13	.01	.12	1	70
L22600E 20250N	6	15	21	743	.5	32	10	550	2.47	18	5	ND	2	20	1.2	3	3	61	.15	.026	11	19	.25	420	.02	4	1.25	.01	.09	1	30
L22600E 20300N	1	30	14	653	.5	36	16	1524	3.04	7	5	ND	1	38	4.2	2	2	44	.41	.071	9	23	.30	886	.02	6	1.71	.01	.10	1	40
L22600E 20350N	2	17	10	165	.2	15	2	95	1.32	6	5	ND	1	13	1.1	2	2	52	.07	.024	14	11	.05	124	.03	2	.66	.01	.03	1	30
L22600E 20400N	1	16	7	59	.3	7	1	93	.61	2	5	ND	1	12	.2	2	2	17	.11	.066	4	10	.03	134	.01	2	.43	.01	.03	1	100
L22600E 20450N	3	34	9	201	.7	23	4	164	.96	9	5	ND	1	112	2.3	4	2	18	1.67	.095	13	9	.34	643	.01	8	.41	.01	.06	1	430
L22600E 20550N	1	21	37	172	.1	21	7	215	2.90	34	5	ND	3	17	.7	2	3	61	.12	.033	13	29	.40	314	.04	2	1.74	.01	.05	1	60
L22600E 20600N	2	39	81	257	.2	31	9	270	2.56	35	5	ND	2	27	.8	3	2	58	.16	.063	14	26	.37	644	.02	5	1.62	.01	.06	1	360
STANDARD C	18	58	39	132	7.3	72	30	1020	3.70	42	19	7	38	53	18.8	16	21	55	.50	.099	39	61	.89	180	.07	36	1.85	.06	.14	11	1500

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	Hg ppb
L22600E 20650N	1	18	45	179	.1	17	9	443	3.36	13	5	ND	1	12	.2	2	2	61	.12	.110	11	29	.40	455	.03	7	1.79	.01	.04	1	20
L22600E 20700N	1	21	45	176	.1	21	9	220	3.52	15	5	ND	4	12	.2	2	2	64	.10	.029	12	35	.49	351	.05	3	2.20	.01	.04	1	30
L22600E 20750N	1	16	35	120	.1	16	7	149	2.69	8	5	ND	2	13	.2	2	4	61	.10	.020	13	31	.38	225	.05	3	1.96	.01	.03	2	40
L22600E 20800N	1	32	46	190	.1	27	12	251	3.59	14	5	ND	5	15	.4	2	2	69	.10	.034	13	43	.46	292	.05	3	2.82	.01	.03	1	50
L22600E 20850N	1	28	61	323	.3	26	12	291	3.84	12	5	ND	4	16	.6	2	2	77	.11	.033	12	40	.42	328	.05	2	2.80	.01	.04	2	60
L22600E 20900N	2	33	125	968	.9	40	15	412	3.94	13	5	ND	3	25	1.5	2	2	82	.11	.056	11	45	.42	471	.03	5	2.05	.01	.06	1	70
L22600E 20950N	1	60	1670	3639	1.1	60	17	886	3.79	29	5	ND	2	28	12.1	3	2	56	.34	.092	16	45	.51	715	.02	10	1.73	.01	.05	1	4400
L22600E 21000N	2	25	152	624	.5	22	12	399	4.27	17	5	ND	3	15	2.6	2	2	75	.10	.050	12	39	.36	290	.05	5	2.39	.01	.05	1	120
L22600E 21100N	2	42	15	144	.1	22	10	342	3.58	11	5	ND	1	21	.2	2	2	45	.12	.109	10	25	.25	317	.01	10	1.24	.01	.07	1	220
L22600E 21150N	1	31	78	130	.1	19	6	210	1.95	3	5	ND	1	99	.8	2	2	29	1.26	.112	10	14	.25	660	.01	10	.96	.01	.06	1	400
L22600E 21200N	1	19	283	353	.5	17	11	787	3.13	14	5	ND	2	23	.8	2	2	70	.23	.054	16	29	.28	750	.01	4	1.67	.01	.08	1	60
L22600E 21250N	3	22	23	163	.3	24	14	1463	3.53	13	5	ND	1	25	.3	2	2	59	.09	.126	18	26	.23	252	.01	6	1.60	.01	.08	1	30
L22600E 21300N	2	14	6	65	.1	14	7	198	2.77	6	5	ND	1	24	.2	2	2	53	.10	.081	12	26	.32	188	.01	6	1.43	.01	.05	1	150
L22600E 21350N	2	22	12	86	.1	28	9	315	2.92	8	5	ND	1	15	.2	2	2	74	.05	.093	10	29	.14	150	.01	6	1.25	.01	.05	1	60
L22600E 21400N	1	12	26	77	.1	16	7	219	3.81	7	5	ND	2	13	.2	2	2	77	.10	.042	14	38	.38	177	.06	4	2.32	.01	.03	1	40
L22600E 21450N	2	63	20	108	.1	33	14	596	4.51	14	5	ND	2	18	.2	2	2	55	.16	.113	14	31	.42	174	.03	4	1.73	.01	.05	1	30
L22600E 21500N	1	17	7	69	.1	17	7	208	2.77	6	5	ND	1	14	.2	2	2	44	.12	.060	14	30	.35	160	.03	4	1.67	.01	.04	1	50
STANDARD C	18	59	38	133	7.3	72	30	1036	4.14	38	18	7	36	53	18.6	15	19	56	.53	.098	37	60	.93	180	.07	39	1.97	.06	.14	11	1400

NORANDA VANCOUVER LABORATORY

PROPERTY/LOCATION:BREWERY CREEK

CODE : 9007-027

Project No. :327
Material :640 SOILS
Remarks :

Sheet:1 of 12
Geol.:G.Mc.

Date rec'd:JULY 09
Date compl:JULY 25

Values in PPM, except where noted.

T.T. No.	SAMPLE No.	PPB Au
91D	14800E-19500N	5
92	19550	5
93	19600	5
94	19650	5
95	19700	5
96	19750	5
97	19800	5
98	19850	5
99	19900	5
100	19950	5
1P	20000	5
2	20050	5
3	20100	5
4	20150	5
5	20200	5
6	20250	5
7	20300	5
8	20350	5
9	20400	5
10	20450	5
11	20500	5
12	20550	5
13	20600	5
14	20650	5
15	20700	5
16	20750	5
17	20800	5
18	20850	5
19	20900	5
20	20950	5
21	21000	5
22	21050	5
23	21100	5
24	21150	20
25	21200	5
26	21250	5
27	21300	5
28	21350	5
29	21400	5
30	21450	5
31	21500	5
32	21550	5
33	21600	5
34	21650	5
35	21700	5
36	14800E-21750N	5
37	15000E-19500N	5
38	15000E-19500N	5

T.T. No.	SAMPLE No.	PPB Au
39	15000E-19650N	5
40	19700	5
41	19750	5
42	19800	5
43	19850	5
44	19950	5
45	20000	5
46	20050	5
47	20100	5
48	20150	5
49	20200	5
50	20300	5
52C	20350	5
53	20400	5
54	20450	5
55	20500	5
56	20550	5
57	20600	5
58	20650	5
59	20700	5
60	20750	5
61	20800	5
62	20850	5
63	20900	5
64	20950	5
65	21000	5
66	21050	5
67	21100	5
68	21150	5
69	21200	5
70	21250	5
71	21300	5
72	21350	5
73	21400	5
74	21450	5
75	21500	5
76	21550	5
77	21600	5
78	15000E-21650N	5
79	15200E-19500N	5
80	19550	5
81	19600	5
82	19650	5
83	19700	5
84	19750	5
85	19800	5
86	19850	5
87	19900	5
88	19950	5
89	20000	5
90	20100	40
91	20150	5
92	20200	5
93	20250	5
94	20300	5
95	20350	5
96	15200E-20400N	5

T. T. No.	SAMPLE No.	PPB Au
97	15200E-20450N	5
98	20500	5
99	20550	5
100	20600	5
52P	20650	5
53	20700	5
54	20750	5
55	20800	5
56	20850	5
57	20900	5
58	20950	5
59	21000	5
60	21050	5
61	21100	5
62	21150	5
63	21200	5
64	21300	5
65	21350	5
66	21400	5
67	21700	80
68	15200E-21750N	5
69	15400E-16500N	5
70	16550	5
71	19600	5
72	19650	5
73	19700	5
74	19750	5
75	19800	5
76	19850	5
77	19900	5
78	19950	5
79	20000	5
80	20050	5
81	20100	5
82	20150	5
83	20200	5
84	20250	5
85	20300	5
86	20350	5
87	20400	5
88	20450	5
89	20500	5
90	20550	5
91	20600	5
92	21650	5
93	21300	5
94	21350	5
95	21500	5
96	21550	5
97	21600	5
98	21650	5
99	15400E-21750N	5
100	15600E-19500N	5
2N	19550	5
3	19600	20
4	19650	5
5	15600E-19700N	5

T.T. No.	SAMPLE No.		PPB Au
6	15600E-19750N		5
7	19800		5
8	19850		5
9	19950		5
10	20000		20
11	20050		5
12	20100		5
13	20150		5
14	20200		5
15	20250		5
16	20300		5
17	20350		5
18	20400		5
19	20450		5
20	20500		5
21	20550		20
22	20600		5
23	20700		5
24	20750		5
25	20800		5
26	20850		5
27	20900		5
28	20950		5
29	21100		5
30	21200		5
31	21250		5
32	21300		5
33	21350		5
34	21500		5
35	21600	5.0g	5
36	21650		5
37	21700		5
38	15600E-21750N		5
39	15800E-19500N		5
40	19550		10
41	19600		5
42	19650		5
43	19700		5
44	19750		5
45	19800		5
46	19850		5
47	19900		5
48	19950		5
49	20000		5
50N	20050		5
1C	20100		5
2	20150		5
3	20200		5
4	20250		5
5	20300		5
6	20350		5
7	20400		5
8	20450		5
9	20500		5
10	20550		5
11	20600		5
12	15800E-20650N		5

T.T. No.	SAMPLE No.	PPB Au
13	15800E-20700N	5
14	20750	5
15	20800	5
16	20850	5
17	20900	5
18	21000	5
19	21100	5
20	21150	5
21	21200	5
22	21250	5
23	21400	5
24	21450	5
25	21500	5
26	21550	5
27	21600	5
28	21700	5
29	15800E-21750N	5
30	16000E-19500N	5
31	19550	5
32	19600	5
33	19650	5
34	19700	5
35	19750	5
36	19800	5
37	19850	5
38	19900	5
39	19950	5
40	20000	5
41	20050	5
42	20150	5
43	20200	5
44	20250	5
45	20300	5
46	20350	5
47	20400	5
48	20450	5
49	20500	5
50C	20550	5
2E	20600	5
3	20650	5
4	20700	5
5	20750	5
6	20800	5
7	20850	5
8	20900	5
9	20950	5
10	21000	5
11	21050	5
12	21150	5
13	21200	5
14	21250	5
15	21300	5
16	21350	5
17	21400	5
18	21450	5
19	21500	5
20	16000E-21550N	5

T.T. No.	SAMPLE No.	PPB Au
21	16000E-21600N	5
22	21650	5
23	21700	5
24	16000E-21750N	5
25	16200E-19500N	5
26	19550	5
27	19600	5
28	19650	5
29	19700	10
30	19750	10
31	19800	5
32	19850	10
33	19900	5
34	19950	10
35	20000	5
36	20050	5
37	20100	5
38	20150	5
39	20350	10
40	20400	10
41	20450	5
42	20500	10
43	20550	5
44	20600	5
45	20650	10
46	20700	10
47	20750	5
48	20800	5
49	20850	5
50E	20900	5
52N	20950	5
53	21000	5
54	21050	5
55	21100	5
56	21150	5
57	21200	5
58	21250	5
59	21300	5
60	21350	5
61	21400	5
62	21450	5
63	21500	5
64	21550	5
65	21600	10
66	21650	40
67	21700	470
68	16200E-21750N	70
69	16800E-19500N	5
70	19550	5
71	19600	10
72	19650	5
73	19700	5
74	19750	5
75	19800	5
76	19850	5
77	19900	10
78	16800E-19950N	5

T.T. No.	SAMPLE No.	PPB Au
79	16800E-20000N	5
80	20050	5
81	20100	5
82	20150	5
83	20200	5
84	20250	5
85	20300	5
86	20350	5
87	20400	5
88	20500	5
89	20550	5
90	20600	5
91	20650	5
92	20700	50
93	20750	60
94	20900	5
95	21200	5
96	21250	5
97	21300	5
98	21350	5
99	21400	5
100N	21450	5
51E	21500	5
52	21550	5
53	21600	10
54	21650	5
55	21700	5
56	16800E-21750N	5
57	17600E-16500N	5
58	16550	5
59	16600	5
60	16650	5
61	16700	5
62	16750	5
63	16800	5
64	16850	5
65	16900	5
66	16950	5
67	17000	5
68	17050	5
69	17100	5
70	17150	5
71	17200	5
72	17250	5
73	17300	5
74	17350	5
75	17400	20
76	17450	5
77	17500	5
78	17550	20
79	17600	5
80	17650	20
81	17700	5
82	17750	5
83	17800	5
84	17850	5
85	17600E-17900N	5

T.T. No.	SAMPLE No.		PPB Au
86	17600E-17350N		5
87	17600E-18000N		5
88	17800E-16500N		5
89	16550		5
90	16600		5
91	16650		5
92	16700		5
93	16750		5
94	16800		5
95	16850	5.0g	5
96	16900		5
97	16950		5
98	17000		5
99	17050		5
100E	17100		5
52F	17150		5
53	17200		5
54	17250		5
55	17300		5
56	17350		5
57	17400		5
58	17450		5
59	17500		5
60	17550		5
61	17600		5
62	17650		5
63	17750		5
64	17800		5
65	17850	5.0g	5
66	17800E-17900N		5
67	18000E-16500N		5
68	16550		5
69	16600		5
70	16650		5
71	16700		610
72	16750		5
73	16800		5
74	16850		5
75	16900		5
76	16950		5
77	17000		5
78	17050		5
79	17100		5
80	17150		5
81	17200		5
82	17250		5
83	17300		5
84	17350		5
85	17400		5
86	17450		5
87	17500		5
88	17550		5
89	17600		5
90	18000E-17650N		5
91	18200E-16500N		5
92	16550		5
93	18200E-16600N		5

T.T. No.	SAMPLE No.	PPB Au
94	18200E-16650N	30
95	16700	5
96	16750	5
97	16800	40
98	16850	5
99	16900	5
100F	16950	10
2F	17000	5
3	17050	5
4	17100	15
5	17150	5
6	17200	5
7	17250	5
8	17300	5
9	17350	5
10	17400	5
11	17450	10
12	17500	15
13	17550	10
14	17600	10
15	17650	10
16	17700	5
17	17800	10
18	17850	5
19	17900	5
20	18200E-17950N	5
21	22700E-18500N	5
22	18550	5
23	18600	5
24	18650	5
25	18700	5
26	18750	5
27	18850	5
28	18900	5
29	18950	5
30	19000	5
31	19050	5
32	19200	5
33	19250	5
34	19300	5
35	19400	10
36	19450	5
37	19550	5
38	19600	5
39	19750	5
40	19800	5
41	19850	15
42	19900	10
43	19950	10
44	20000	5
45	20050	5
46	20100	5
47	20150	5
48	20200	5
49	20250	5
50F	20300	5
51	22700E-20350N	5

T. T. No.	SAMPLE No.		PPB Au
52	22700E-20400N		5
53	20600		5
54	20650		5
55	20700		5
56	20750		5
57	20800		5
58	20850		5
59	20900		5
60	20950		5
61	22700E-21000N		5
62	22800E-18750N		5
63	18800		5
64	18850		5
65	18900		5
66	18950		5
67	19000	5.0g	5
68	19050		5
69	19100		5
70	19150		5
71	19200		5
72	19250		5
73	19300		5
74	19350		5
75	19400		5
76	19450		5
77	19500	5.0g	5
78	19550	5.0g	5
79	19600		10
80	19650		25
81	19700		25
82	19750		15
83	19800		5
84	19850		30
85	19900		5
86	19950		5
87	20000		15
88	20050		5
89	20100		5
90	20150		5
91	20200		5
92	20250		5
93	20300		5
94	20350		5
95	20400	5.0g	5
96	20450		5
97	20500		5
98	20550		5
99	20600		5
100	20650		10
2D	20700		5
3	20750		10
4	20800		5
5	20850		5
6	20900		5
7	22800E-20950N		5
8	22900E-18500N		5
9	22900E-18550N		5

T.T. No.	SAMPLE No.	PPB Au
10	22900E-18600N	30
11	18650	25
12	18700	5
13	18800	5
14	18850	5
15	18900	5
16	18950	5
17	19000	5
18	19050	5
19	19100	5
20	19150	5
21	19200	5
22	19250	5
23	19300	5
24	19350	5
25	19400	5
26	19450	5
27	19700	5
28	19750	5
29	19800	60
30	19850	5
31	19950	50
32	20000	205
33	20050	65
34	20100	5
35	20150	5
36	20200	5
37	20250	5
38	20500	5
39	20550	5
40	20600	5
41	20650	15
42	20700	35
43	20750	20
44	20800	5
45	20850	5
46	22900E-21000N	5
47	23000E-18500N	5
48	18550	65
49	18600	5
50D	18650	10
2Y	18700	5
3	18800	5
4	18850	5
5	18900	5
6	18950	5
7	19000	100
8	19050	5
9	19100	5
10	19150	5
11	19200	5
12	19250	5
13	19400	5
14	19450	5
15	19500	5
16	19550	5
17	23000E-19600N	5

T.T. No.	SAMPLE No.	PPB Au
18	23000E-19650N	30
19	19800	250
20	19850	25
21	19900	35
22	20050	20
23	20150	5
24	20200	5
25	20250	5
26	20300	5
27	20400	5
28	20450	5
29	20500	5
30	20550	5
31	20600	5
32	20650	5
33	20700	5
34	20750	5
35	20800	15
36	20850	5
37	20900	5
38	20950	5
39Y	23000E-21000N	5

VOLUME II

1990 DRILL & TRENCH LOGS

FOR THE

092928

LEE 1-87, EEL 1-193, 195-274
ELE 1-80 & FLEE 1-104 CLAIMS

Dawson Mining District
N.T.S.: 116 B/1
Latitude: 64 0
Longitude: 138

CONFIDENTIAL

Gordon MacKay

January, 1991

DIAMOND

092928

CONFIDENTIAL

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-10
Grid System : ORIGINAL
Collar Eastings : 19546.640
Collar Northings : 20139.800
Collar Elevations : 856.940
Collar Bearing : 999.99
Grid Baseline : 66.66

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.80
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size : H

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.44	CASING	Casing.									
2.44	18.50	INT	Rusty brown limonitic intrusive.	014726	2.44	4.00	1.56	4310.	6554.	584.	9500.	5.7
3.00	4.00	ARG	Band of black argillite.									
4.00	7.50		Clay altered, white bleached intrusive.	014727	4.00	6.00	2.00	1210.	4841.	352.	3400.	0.7
				014728	6.00	8.00	2.00	2280.	3583.	632.	9300.	1.9
7.50	16.50		Rusty limonitic intrusive. Clay altered	014729	8.00	10.00	2.00	3310.	7880.	169.	7500.	2.3
			feldspars; weathered to sand in some	014730	10.00	12.00	2.00	1240.	3299.	618.	11000.	3.3
			sections.	014731	12.00	14.00	2.00	1470.	2480.	547.	6500.	1.7
				014732	14.00	16.00	2.00	980.	2707.	726.	3800.	0.9
				014733	16.00	18.00	2.00	780.	793.	1423.	1800.	1.1
16.50	18.50		Rusty qz veining.	014734	18.00	20.00	2.00	110.	257.	233.	6600.	2.0
18.50	20.00	ARG	Grey/black graphitic argillite - white clay seperates argillite from intrusive.									
20.00	30.78	INT	Bleached white, clay and qz rich, altered intrusive.									
22.00	22.30	ARG	Argillite.	014735	22.00	24.00	2.00	10.	250.	139.	1400.	0.2
				014736	24.00	26.00	2.00	17.	154.	198.	1700.	0.4
				014737	26.00	28.00	2.00	14.	88.	116.	920.	0.1
				014738	28.00	30.00	2.00	11.	56.	13.	880.	0.1
				014739	30.00	30.80	0.80	10.	31.	14.	820.	0.2

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-10
Grid System : ORIGINAL
Collar Eastings : 19546.640
Collar Northings : 20139.800
Collar Elevations : 850.940
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.80
Claim No. :

Logged By : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size : H

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.44	4.00	3				2		5-10			2.44	4.00	15		A	1						
4.00	6.00	3				3		5-10			4.00	6.00	15		A	1						
6.00	8.00	2				3		5-10			6.00	8.00	8		A	1						
8.00	10.00	2				3		10-20			8.00	10.00	50		A	1						
10.00	12.00	2				3		10-20			10.00	12.00	45		A	1						
12.00	14.00	2				3		10-20			12.00	14.00	60		A	1						
14.00	16.00	2				3		10-20			14.00	16.00	46		A	1						
16.00	18.00	2				3.5		10-20			16.00	18.00	32		A	4						
18.00	20.00										18.00	20.00	38		A		45					
20.00	22.00	2				2.5		3-5			20.00	22.00	85		B	2						
22.00	24.00	2				2.5		3-5			22.00	24.00	82		B	2						
24.00	26.00	2				2.5		3-5			24.00	26.00	95		A	2						
26.00	28.00	2				2.5		3-5			26.00	28.00	90		C	2						
28.00	30.78	3.5				2.5		3-5			28.00	30.78	47		A	2						

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCDDH 90-11
Grid System : ORIGINAL
Collar Eastings : 19664.000
Collar Northings : 19947.000
Collar Elevations : 817.230
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 49.07
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND
Core Size : H

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.44	CASING	Casing.									
2.44	4.50	SHALE	Grey fissile shale, minor qz veining.	014740	2.44	3.00	0.56	35.	535.	35.	1500.	0.2
				014741	3.00	4.00	1.00	43.	622.	24.	1400.	0.1
				014742	4.00	5.00	1.00	2140.	4123.	154.	4800.	0.7
4.50	29.50	INT	Rusty limonitic porphyritic intrusive. Abundant qz stockwork and veins up to 1cm. Minor calcite veining.	014743	5.00	6.00	1.00	8170.	14632.	714.	7400.	2.2
6.00	6.50		Band of white (kaolinite, sericite) clay.	014744	6.00	7.00	1.00	670.	1359.	2663.	3700.	1.6
7.00	8.00		Stibnite veining.	014745	7.00	8.00	1.00	400.	265.	31541.	3400.	17.1
				014746	8.00	9.00	1.00	137.	1156.	703.	2800.	0.7
				014747	9.00	10.00	1.00	380.	2633.	4785.	2900.	0.6
				014748	10.00	11.00	1.00	2420.	6777.	5145.	2800.	0.9
				014749	11.00	12.00	1.00	1010.	3087.	765.	4200.	0.6
				014750	12.00	13.00	1.00	3780.	6066.	3115.	4900.	1.3
				014751	13.00	14.00	1.00	1420.	3757.	288.	7200.	0.5
				014752	14.00	15.00	1.00	2270.	4744.	579.	4500.	0.8
				014753	15.00	16.00	1.00	740.	4548.	2439.	2800.	0.3
				014754	16.00	17.00	1.00	1860.	5181.	1520.	3300.	0.4
				014755	17.00	18.00	1.00	2920.	5840.	845.	5800.	1.2
				014756	18.00	19.00	1.00	7740.	8142.	546.	6300.	3.9
				014757	19.00	20.00	1.00	5320.	8606.	192.	4200.	3.9
20.00	27.00		Minor calcite veining.	014758	20.00	21.00	1.00	4180.	7219.	107.	3200.	1.2
				014759	21.00	22.00	1.00	3310.	7858.	155.	2600.	1.4
				014760	22.00	23.00	1.00	2510.	7475.	140.	2200.	0.7
				014761	23.00	24.00	1.00	4190.	7761.	301.	2800.	1.1
				014762	24.00	25.00	1.00	810.	3151.	828.	5400.	3.0
				014763	25.00	26.00	1.00	660.	3363.	867.	4900.	0.8
				014764	26.00	27.00	1.00	2730.	3582.	9791.	3000.	1.5
				014765	27.00	28.00	1.00	5640.	3493.	4758.	2400.	1.5
27.20	27.23		Stibnite vein.	014766	28.00	29.00	1.00	9250.	6366.	5615.	4300.	5.9
				014767	29.00	30.00	1.00	2080.	636.	24417.	8100.	6.9
29.50	33.00	ARG	Black graphitic argillite.	014768	30.00	31.00	1.00	310.	276.	533.	11000.	4.1

PROPERTY : BREMERY
HOLE No. : BCDDH 90-11

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				014769	31.00	32.00	1.00	103.	61.	342.	12000.	3.6
				014770	32.00	33.00	1.00	48.	161.	110.	7300.	2.2
33.00	47.60	QFP	Blue grey qz feldspar porphyry. Abundant	014771	33.00	34.00	1.00	10.	31.	24.	680.	0.1
			disseminated pyrite. White clay altered	014772	34.00	35.00	1.00	16.	39.	27.	190.	0.1
			feldspar phenos, minor calcite veining.	014773	35.00	36.00	1.00	4.	30.	22.	270.	0.1
			Qz eyes, spotty calcareous matrix.	014774	36.00	37.00	1.00	5.	32.	21.	440.	0.3
				014775	37.00	38.00	1.00	4.	30.	15.	250.	0.1
				014776	38.00	39.00	1.00	5.	70.	20.	260.	0.1
				014777	39.00	40.00	1.00	2.	23.	17.	290.	0.2
				014778	40.00	41.00	1.00	124.	470.	46.	550.	0.6
40.80	41.00		Band of very graphitic argillite.	014779	41.00	42.00	1.00	32.	297.	23.	470.	0.1
				014780	42.00	43.00	1.00	1.	21.	25.	260.	0.1
				014781	43.00	44.00	1.00	2.	13.	15.	400.	0.1
				014782	44.00	45.00	1.00	2.	24.	25.	1400.	0.2
44.10	44.70		Fine grained dyke.	014783	45.00	46.00	1.00	5.	11.	13.	320.	0.1
				014784	46.00	47.00	1.00	2.	130.	7.	1200.	0.1
				014785	47.00	48.00	1.00	3.	52.	9.	1100.	0.7
47.60	49.07	ARG	Very graphitic argillite - fault?	014786	48.00	49.07	1.07	1.	17.	9.	1400.	2.2

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCDDH 90-11
Grid System : ORIGINAL
Collar Eastings : 19664.000
Collar Northings : 19947.880
Collar Elevations : 817.230
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 49.07
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND
Core Size : H

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sr %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.44	3.00										2.44	3.00	100		C	2						
3.00	4.00	2				1	15-20				3.00	4.00	85		D	2-3						
4.00	5.00					1	15-20				4.00	5.00	80		A	2-3						
5.00	6.00					1	15-20				5.00	6.00	85		B	2-3						
6.00	7.00	3				2.5	1-3				6.00	7.00	85		A	2-3						
7.00	8.00	2.5				2-3	3-5		5		7.00	8.00	87		A	2-3						
8.00	9.00	2-3			1	2-3	3-5				8.00	9.00	70		A	2-3						
9.00	10.00	2-3			1	2-3	10-15				9.00	10.00	40		A	2-3						
10.00	11.00	2-3			1	2-3					10.00	11.00	45		A	2-3						
11.00	12.00	2-3			1	2-3					11.00	12.00	60		A	2-3						
12.00	13.00	2-3			1	2-3					12.00	13.00	65		A	2-3						
13.00	14.00	2-3			1	2-3					13.00	14.00	70		A	2-3						
14.00	15.00	2-3			1	2-3					14.00	15.00	100		A	2-3						
15.00	16.00	2-3			1	2-3					15.00	16.00	100		B	2-3						
16.00	17.00	2-3			1	2-3					16.00	17.00	100		B	2-3						
17.00	18.00	2-3			1	2-3					17.00	18.00	95		B	3						
18.00	19.00	2-3			1	2-3					18.00	19.00	100		B	3						
19.00	20.00	2-3			1	2-3					19.00	20.00	100		C	3						
20.00	21.00	2-3			2-3	2-3					20.00	21.00	95		C	3						
21.00	22.00	2-3			2-3	2-3					21.00	22.00	100		C	3						
22.00	23.00	2-3			2-3	2-3					22.00	23.00	100		C	3						
23.00	24.00	2-3			2-3	2-3					23.00	24.00	100		C	3						
24.00	25.00	2-3			2-3	2-3					24.00	25.00	100		A	3						
25.00	26.00	2-3			2-3	2-3					25.00	26.00	100		A	3						
26.00	27.00	2-3			2-3	2-3					26.00	27.00	100		A	3						
27.00	28.00	2-3			2-3	2-3			10		27.00	28.00	100		C	3						
28.00	29.00	2			3	2.5	20				28.00	29.00	90		A	2						
29.00	30.00										29.00	30.00	70		A							
30.00	31.00										30.00	31.00	15		A							
31.00	32.00										31.00	32.00	5		A							
32.00	33.00	2			2	1-1.5			3-5		32.00	33.00	65		A	1-2						
33.00	34.00	2			2	1-1.5			3-5		33.00	34.00	75		B	1-2						
34.00	35.00	2			3	1-1.5			3-5		34.00	35.00	77		B	1-2						

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCDDH 90-11

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
35.00	36.00	2			1	1			3-5		35.00	36.00	80		B		1-2					
36.00	37.00	2			1	1			3-5		36.00	37.00	85		B		1-2					
37.00	38.00	2			1	1			3-5		37.00	38.00	100		A		1-2					
38.00	39.00	2			1	1			3-5		38.00	39.00	100		A		1-2					
39.00	40.00	2			1	1			3-5		39.00	40.00	90		D		1-2					
40.00	41.00	2			1	1			3-5		40.00	41.00	100		A		1-2					
41.00	42.00	2			1	1			3-5		41.00	42.00	100		D		1-2					
42.00	43.00	2			2	1			3-5		42.00	43.00	100		D		1-2					
43.00	44.00	2			2	1			3-5		43.00	44.00	100		D		1-2					
44.00	45.00	2			3	1			3-5		44.00	45.00	90		C		1-2					
45.00	46.00	2			3	1			3-5		45.00	46.00	100		C		1-2					
46.00	47.00	2			3	1			3-5		46.00	47.00	100		A		1-2					
47.00	48.00										47.00	48.00	100		C							
48.00	49.07										48.00	49.07	65		A							

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-12
Grid System : ORIGINAL
Collar Eastings : 19764.940
Collar Northings : 19888.590
Collar Elevations : 798.660
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 47.55
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND
Core Size : H

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	9.75	CASING	CASING									
9.75	13.80	INT	Rusty, limonitic, porphyritic intrusive, intense phyllic and argillic alteration. Quartz stockwork and quartz eyes; all feldspar phenocrysts have altered to white and yellow clay.	014787	9.75	10.00	0.25	13.	237.	45.	2500.	0.1
				014788	10.00	12.00	2.00	21.	160.	78.	680.	0.1
				014789	12.00	14.00	2.00	76.	1791.	121.	6300.	0.4
13.80	18.00	SHALE	Soft, grey/black fissile mustone (shale).	014790	14.00	16.00	2.00	310.	292.	107.	1400.	0.2
				014791	16.00	18.00	2.00	63.	318.	243.	1500.	0.1
16.50	16.54		4 cm band of white clay.									
18.00	21.70	ARG	Black, very graphitic argillite.	014792	18.00	20.00	2.00	1180.	1935.	10540.	4400.	4.8
19.50	19.80		Band of hard white clay.	014793	20.00	22.00	2.00	20.	88.	106.	3300.	1.7
21.70	24.00	INT	Bleached porphyritic intrusive, abundant quartz and kaolinite, spotty calcareous matrix.	014794	22.00	24.00	2.00	6.	58.	160.	1800.	0.1
24.00	27.60	ARG	Black graphitic argillite.	014795	24.00	26.00	2.00	166.	166.	2093.	5200.	5.4
25.30	25.60		30 cm of hard white clay.	014796	26.00	28.00	2.00	37.	75.	57.	3500.	1.8
27.60	42.50	INT	Light blue/grey quartz feldspar porphyritic intrusive. All feldspar phenocrysts have altered to white clay. Phenocrysts up to 4 cm; spotty calcareous matrix; minor quartz veining and disseminated pyrite.	014797	28.00	30.00	2.00	5.	25.	14.	1500.	0.1
				014798	30.00	32.00	2.00	3.	14.	11.	860.	0.1
				014799	32.00	34.00	2.00	1.	26.	19.	680.	0.1
				014800	34.00	36.00	2.00	3.	21.	14.	350.	0.1
				014801	36.00	38.00	2.00	5.	43.	21.	580.	0.1
36.90	37.60		Fine grained dyke?; minor disseminated pyrite.	014802	38.00	40.00	2.00	7.	36.	14.	680.	0.1
				014803	40.00	42.00	2.00	4.	47.	12.	820.	0.1
				014804	42.00	44.00	2.00	3.	57.	15.	700.	0.4
42.50	43.00	ARG	Black graphitic argillite.									
43.00	46.00	INT	Light blue/grey quartz feldspar porphy-	014805	44.00	46.00	2.00	3.	11.	7.	330.	0.3

NORANDA EXPLORATIONS CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-12

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			ritic intrusive. All feldspar phenocrysts have altered to white clay. Phenocrysts up to 4 cm; spotty calcareous matrix; minor quartz veining and disseminated pyrite.	014806	46.00	47.55	1.55	11.	197.	8.	620.	0.1
46.80	47.55	ARG	Black very graphitic argillite.									

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-12
Grid System : ORIGINAL
Collar Eastings : 19764.940
Collar Northings : 19888.590
Collar Elevations : 798.660
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 47.55
Claim No. :

Logged By : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND
Core Size : H

FROM	TO	Arg	Sil	Serc	GEOCHEMICAL SAMPLES Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
9.75	10.00	2.5-3				3		5-10		
10.00	12.00	2.5-3				3		5-10		
12.00	14.00									
14.00	16.00									
16.00	18.00									
18.00	20.00									
20.00	22.00	3.5			2	3				
22.00	24.00	3.5			2	3				
24.00	26.00									
26.00	28.00	1.5			1				TR-1	
28.00	30.00	1.5			1				TR-1	
30.00	32.00	1.5			1				TR-1	
32.00	34.00	1.5			1				TR-1	
34.00	36.00	1.5			1				TR-1	
36.00	38.00								TR-1	
38.00	40.00	1.5			1				TR-1	
40.00	42.00	1.5			1				TR-1	
42.00	44.00									
44.00	46.00	1.5			1				TR	
46.00	47.55									

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
9.75	10.00	30		A		1-2					
10.00	12.00	15		A		1-2					
12.00	14.00	35		A							
14.00	16.00	60		D							
16.00	18.00	60		D							
18.00	20.00	78		C							
20.00	22.00	90		A		3					
22.00	24.00	86		A		3					
24.00	26.00	70		A							
26.00	28.00	55		A		1					
28.00	30.00	100		B		1					
30.00	32.00	78		B		1					
32.00	34.00	80		A		1					
34.00	36.00	95		B		1					
36.00	38.00	98		C		1					
38.00	40.00	75		B		1					
40.00	42.00	85		A		1					
42.00	44.00	82		B							
44.00	46.00	96		B							
46.00	47.55	65		B							

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-13
Grid System : ORIGINAL
Collar Eastings : 19995.950
Collar Northings : 20076.660
Collar Elevations : 925.740
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 51.21
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND
Core Size : H

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	3.05	CASING	CASING									
3.05	26.00	INT	Limonitic porphyritic intrusive. Feldspar phenocrysts altered to white/yellow clay. High limonite content; abundant quartz stockwork with minor stibnite veining as noted. Manganese oxide staining on fracture surfaces.	014807	3.05	4.00	0.95	260.	1048.	1187.	1700.	1.6
				014808	4.00	6.00	2.00	470.	1230.	1127.	1500.	0.4
				014809	6.00	8.00	2.00	1200.	1304.	824.	2400.	0.9
7.00	17.00		Abundant quartz veining.	014810	8.00	10.00	2.00	660.	1448.	576.	2200.	1.3
				014811	10.00	12.00	2.00	1560.	1580.	652.	2300.	1.6
				014812	12.00	14.00	2.00	650.	1113.	737.	2100.	1.6
				014813	14.00	16.00	2.00	670.	1068.	662.	1800.	1.8
				014814	16.00	18.00	2.00	1040.	1069.	3163.	2400.	1.5
17.00	17.50		Abundant quartz veining; small stibnite vein.									
17.50	18.00		Abundant quartz veining.	014815	18.00	20.00	2.00	67.	564.	425.	2500.	0.8
				014816	20.00	22.00	2.00	530.	1121.	497.	6200.	1.2
				014817	22.00	24.00	2.00	310.	444.	246.	5500.	1.3
				014818	24.00	26.00	2.00	72.	227.	156.	2800.	1.1
26.00	51.21	SHALE	Finely laminated grey/black shale with minor quartz veining and calcite veining in a calcareous matrix.									
26.00	26.50		0.5m band of very graphitic argillite.	014819	26.00	28.00	2.00	56.	184.	165.	5600.	1.9
28.00	29.00		Minor limonitic intrusive.	014820	28.00	30.00	2.00	53.	173.	156.	2400.	1.4
				014821	30.00	32.00	2.00	37.	134.	122.	1400.	0.1
				014822	32.00	34.00	2.00	26.	148.	123.	1300.	0.6
				014823	34.00	36.00	2.00	12.	120.	91.	1600.	0.2
				014824	36.00	38.00	2.00	8.	73.	59.	1500.	0.3
				014825	38.00	40.00	2.00	3.	31.	27.	2500.	0.5
				014826	40.00	42.00	2.00	5.	45.	29.	1400.	0.2
				014827	42.00	44.00	2.00	8.	84.	46.	1800.	0.2
				014828	44.00	46.00	2.00	4.	52.	27.	950.	0.3
				014829	46.00	48.00	2.00	3.	22.	13.	760.	0.4
				014830	48.00	50.00	2.00	7.	36.	16.	930.	0.7

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMNER CREEK
HOLE No. : BCDDH 90-13

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				014831	50.00	51.21	1.21	1.	22.	16.	960.	0.5

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-13
Grid System : ORIGINAL
Collar Eastings : 19995.950
Collar Northings : 20076.660
Collar Elevations : 925.740
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 51.21
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND
Core Size : H

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
3.05	4.00	1					2				3.05	4.00	70		A	2						
4.00	6.00	1					2				4.00	6.00	95		A	2						
6.00	8.00	1.5					2-3				6.00	8.00	65		A	3						
8.00	10.00	1.5					2-3				8.00	10.00	80		A	3						
10.00	12.00	1.5					2-3				10.00	12.00	35		A	3						
12.00	14.00	1.5					2-3				12.00	14.00	32		A	3						
14.00	16.00	1.5					2-3				14.00	16.00	50		A	3						
16.00	18.00	1.5					2-3				16.00	18.00	90		A	3						
18.00	20.00	1.5					2-3				18.00	20.00	68		A	2.5						
20.00	22.00	1.5					2				20.00	22.00	65		A	2.5						
22.00	24.00	1.5					2				22.00	24.00	90		A	2.5						
24.00	26.00	1.5					2				24.00	26.00	80		A	2.5						
26.00	28.00										26.00	28.00	33		A							
28.00	30.00										28.00	30.00	48		A							
30.00	32.00										30.00	32.00	50		A							
32.00	34.00										32.00	34.00	98		A							
34.00	36.00										34.00	36.00	90		A							
36.00	38.00										36.00	38.00	98		A							
38.00	40.00										38.00	40.00	84		A							
40.00	42.00				1-2						40.00	42.00	80		A							
42.00	44.00				1-2						42.00	44.00	74		A							
44.00	46.00				1-2						44.00	46.00	85		A							
46.00	48.00				1-2						46.00	48.00	90		A							
48.00	50.00				1-2						48.00	50.00	70		A							
50.00	51.21				1-2						50.00	51.21	50		A							

MORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PAGE : 1

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-14
Grid System : ORIGINAL
Collar Eastings : 20796.510
Collar Northings : 20257.220
Collar Elevations : 1050.100
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 149.35
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size : HQ

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	3.66	CASING	Casing.									
3.66	22.50	MUDST	Blue/grey, soft, heavy calcareous mudstone. Varires from mottled (spotted) to banded. Abundant disseminated and veined pyrite (minor pyrrhotite). Core to bedding angle = 40-45 degrees.									
3.66	5.00		May be overburden?	014832	3.66	6.00	2.34	6.	32.	3.	420.	0.1
				014833	6.00	8.00	2.00	5.	16.	6.	1300.	0.3
				014834	8.00	10.00	2.00	4.	18.	6.	460.	0.3
				014835	10.00	12.00	2.00	7.	11.	2.	80.	0.3
				014836	12.00	14.00	2.00	3.	8.	5.	60.	0.3
				014837	14.00	16.00	2.00	8.	14.	5.	50.	0.3
				014838	16.00	18.00	2.00	3.	6.	6.	90.	0.4
				014839	18.00	20.00	2.00	5.	4.	6.	70.	0.6
				014840	20.00	22.00	2.00	4.	84.	10.	80.	1.0
				014841	22.00	24.00	2.00	2.	12.	7.	90.	0.6
22.50	26.00	INT	Light grey feldspar porphyritic intrusive (feldspar, biotite, horablende, qz, calcite). Abundant qz and calcite veining with pyrite and minor pyrrhotite.	014842	24.00	26.00	2.00	7.	10.	10.	90.	0.7
26.00	30.00	MUDST	Brecciated mudstone; calcareous, abundant qz and calcite veining with pyrite.	014843	26.00	28.00	2.00	7.	18.	3.	80.	1.4
				014844	28.00	30.00	2.00	6.	25.	7.	60.	1.5
30.00	36.50	INT	Intrusive as 22.5m, minor base metal sulfides and pyrite in qz veins (sphalerite, galena, minor chalcopyrite?).	014845	30.00	32.00	2.00	1.	140.	12.	130.	7.3
				014846	32.00	34.00	2.00	26.	4.	4.	30.	0.1
				014847	34.00	36.00	2.00	16.	4.	4.	50.	0.2
				014848	36.00	38.00	2.00	6.	7.	8.	90.	0.4
36.50	38.50	MUDST	Blue/grey calcareous mudstone as 3.66m. Dark (2cm wide.) pyrite rich bands.	014849	38.00	40.00	2.00	1.	24.	7.	330.	0.4
38.50	39.50	INT	Intrusive as 22.5m.									

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-14

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
39.50	43.50	MUDST	Banded mudstone as 3.66m; abundant pyrite.	014850	40.00	42.00	2.00	2.	10.	8.	130.	0.6
				014851	42.00	44.00	2.00	7.	39.	11.	520.	0.4
43.50	46.00	INT	Intrusive as 22.5m	014852	44.00	46.00	2.00	4.	57.	12.	1800.	0.2
46.00	59.20	MUDST	Banded mudstone as 3.66m, abundant pyrite.	014853	46.00	48.00	2.00	2.	69.	16.	2300.	0.4
				014854	48.00	50.00	2.00	6.	10.	2.	60.	0.3
				014855	50.00	52.00	2.00	3.	8.	3.	110.	0.2
				014856	52.00	54.00	2.00	6.	16.	5.	40.	0.2
				014857	54.00	56.00	2.00	12.	28.	3.	20.	0.2
				014858	56.00	58.00	2.00	13.	17.	6.	30.	0.1
				014859	58.00	60.00	2.00	9.	10.	2.	70.	0.2
59.20	63.00	INT	Intrusive as 22.5m	014860	60.00	62.00	2.00	8.	8.	2.	100.	0.1
				014861	62.00	64.00	2.00	9.	6.	3.	60.	0.1
63.00	110.20	MUDST	Mudstone as 3.66m. Alternating banded and mottled texture.	014862	64.00	66.00	2.00	10.	8.	4.	30.	0.8
				014863	66.00	68.00	2.00	9.	9.	5.	30.	0.9
				014864	68.00	70.00	2.00	10.	9.	2.	40.	1.3
70.00	79.50		Mottled texture (calcareous white blotches), minor veined and disseminated pyrite, minor chalcopyrite.	014865	70.00	72.00	2.00	17.	13.	6.	30.	1.5
				014866	72.00	74.00	2.00	23.	7.	2.	140.	0.7
				014867	74.00	76.00	2.00	27.	5.	2.	30.	0.3
				014868	76.00	78.00	2.00	26.	10.	3.	20.	0.4
				014869	78.00	80.00	2.00	116.	179.	4.	50.	0.8
79.50	84.50		Brecciated with calcite and qz veins. Two bands of brown sphalerite, pyrite. Minor chalcopyrite at 83.2 and 83.8 m	014870	80.00	82.00	2.00	82.	90.	4.	40.	1.3
				014871	82.00	84.00	2.00	100.	70.	5.	90.	3.9
				014872	84.00	86.00	2.00	127.	455.	4.	20.	0.7
84.50	90.00		Calcareous mottled texture as 70m.	014873	86.00	88.00	2.00	8.	3.	2.	30.	0.1
				014874	88.00	90.00	2.00	11.	12.	7.	10.	0.4
				014875	90.00	92.00	2.00	10.	10.	4.	20.	0.4
90.00	110.20		Banded. (Brecciated and veined with pyrite along veins from 93.5-93.7m	014876	92.00	94.00	2.00	8.	24.	2.	10.	0.2
				014877	94.00	96.00	2.00	12.	10.	2.	5.	0.3
				014878	96.00	98.00	2.00	6.	7.	2.	5.	0.3
				014879	98.00	100.00	2.00	7.	6.	5.	20.	0.5
				014880	100.00	102.00	2.00	10.	18.	5.	5.	0.3
				014881	102.00	104.00	2.00	5.	8.	6.	10.	0.6
				014882	104.00	106.00	2.00	24.	6.	2.	10.	0.7
				014883	106.00	108.00	2.00	50.	12.	3.	5.	0.8
				014884	108.00	110.00	2.00	17.	9.	2.	5.	0.5
				014885	110.00	112.00	2.00	49.	2.	2.	10.	0.2

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-14

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
110.20	117.00	INT	Intrusive as 22.5m; abundant pyrite in calcite veins. Fractured and clay altered from 111.1 to 112.5m	014886	112.00	114.00	2.00	34.	5.	2.	10.	0.2
				014887	114.00	116.00	2.00	46.	8.	2.	20.	0.1
				014888	116.00	118.00	2.00	47.	31.	2.	10.	0.1
117.00	149.35	MUDST	Mudstone as 3.66m	014889	118.00	120.00	2.00	13.	7.	4.	5.	0.1
120.00	121.00		Brecciated with pyrite rich calcite veins.	014890	120.00	122.00	2.00	75.	6.	2.	20.	0.9
				014891	122.00	124.00	2.00	9.	10.	2.	50.	0.8
122.00	128.00		Calcareous mottled texture as 70m.	014892	124.00	126.00	2.00	28.	8.	2.	80.	0.6
			126-128m, seven small base metal veins.	014893	126.00	128.00	2.00	129.	3.	2.	200.	0.3
			(Sphalerite, pyrite, minor galena,	014894	128.00	130.00	2.00	39.	21.	2.	120.	0.3
			pyrrhotite and chalcopyrite.	014895	130.00	132.00	2.00	110.	9.	2.	40.	0.3
				014896	132.00	134.00	2.00	100.	19.	2.	30.	1.7
				014897	134.00	136.00	2.00	112.	7.	2.	100.	0.7
134.50	137.00		Banded texture.	014898	136.00	138.00	2.00	8.	12.	2.	40.	0.2
137.00	141.00		Calcareous mottled texture.	014899	138.00	140.00	2.00	13.	6.	2.	30.	0.5
				014900	140.00	142.00	2.00	6.	6.	2.	40.	0.5
141.00	149.30		Banded and mottled texture alternates	014901	142.00	144.00	2.00	2.	6.	2.	10.	0.3
			every 1-2m to the end of hole.	014902	144.00	146.00	2.00	10.	2.	5.	20.	0.3
			146-146.5: Fractured and argillaceous.	014903	146.00	148.00	2.00	7.	2.	2.	20.	0.4
				014904	148.00	149.35	1.35	3.	5.	3.	30.	0.4

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-14
Grid System : ORIGINAL
Collar Eastings : 20796.510
Collar Northings : 20257.220
Collar Elevations : 1050.100
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 149.35
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size : HQ

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES									
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sr %	Veins %	Bds	Struc	Color	Sulph %	QuartzClrCode %
3.66	6.00				2				1-5		3.66	6.00	35		A							1-2
6.00	8.00				2				1-5		6.00	8.00	45		A							1-2
8.00	10.00				2				1-5		8.00	10.00	75		B							1-2
10.00	12.00				2				1-5		10.00	12.00	80		B							1-2
12.00	14.00				2				1-5		12.00	14.00	55		A							1-2
14.00	16.00				2				1-5		14.00	16.00	80		B							1-2
16.00	18.00				2				1-5		16.00	18.00	93		B							1-2
18.00	20.00				2				1-5		18.00	20.00	85		B							1-2
20.00	22.00				2				1-5		20.00	22.00	90		B							1-2
22.00	24.00				2				1-5		22.00	24.00	88		B							3
24.00	26.00				1				3-5		24.00	26.00	40		A							2
26.00	28.00				2				3-5		26.00	28.00	95		B							1
28.00	30.00				2				3-5		28.00	30.00	88		B							3.5
30.00	32.00				1				3-5		30.00	32.00	100		D							3
32.00	34.00				1				3-5		32.00	34.00	90		D							2
34.00	36.00				1				3-5		34.00	36.00	100		D							2
36.00	38.00				2				3-5		36.00	38.00	78		C		45					1
38.00	40.00				2				3-5		38.00	40.00	100		C							3
40.00	42.00				2				3-5		40.00	42.00	88		C		45					1
42.00	44.00				2				3-5		42.00	44.00	95		C		45					2.5
44.00	46.00				2				3-5		44.00	46.00	95		C							2.5
46.00	48.00				2				3-5		46.00	48.00	98		C		45					1-2
48.00	50.00				2				3-5		48.00	50.00	75		A		45					1-2
50.00	52.00				2				3-5		50.00	52.00	45		A		45					1-2
52.00	54.00				2				3-5		52.00	54.00	82		C		45					1-2

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-14

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sr %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
54.00	56.00								1-3		54.00	56.00	97		C		45				1	
56.00	58.00								1-3		56.00	58.00	83		B		45				2	
58.00	60.00								1-3		58.00	60.00	100		D						1.5	
60.00	62.00								1-3		60.00	62.00	97		D						1.5	
62.00	64.00								1-3		62.00	64.00	85		B						2.5	
64.00	66.00								1-3		64.00	66.00	73		A		45				1.5	
66.00	68.00								1-3		66.00	68.00	75		B		45				1.5	
68.00	70.00								1-3		68.00	70.00	65		A		45				1.5	
70.00	72.00								3-5		70.00	72.00	78		A		45				1.5	
72.00	74.00								3-5		72.00	74.00	30		A		45				1.5	
74.00	76.00								3-5		74.00	76.00	100		C		45				1.5	
76.00	78.00								3-5		76.00	78.00	60		A		45				1.5	
78.00	80.00								3-5		78.00	80.00	95		A		45				3	
80.00	82.00								5-10		80.00	82.00	75		A		45				3	
82.00	84.00								3-5		82.00	84.00	98		D		45				2	
84.00	86.00								3-5		84.00	86.00	90		C		45				1.5-2	
86.00	88.00								3-5		86.00	88.00	70		A		45				1.5-2	
88.00	90.00								3-5		88.00	90.00	60		A		45				1.5-2	
90.00	92.00								3-5		90.00	92.00	78		B		45				1.5-2	
92.00	94.00								3-5		92.00	94.00	80		B		45				1.5-2	
94.00	96.00								3-5		94.00	96.00	82		B		45				1.5-2	
96.00	98.00								3-5		96.00	98.00	95		C		45				1.5-2	
98.00	100.00								3-5		98.00	100.00	90		B		45				1.5-2	
100.00	102.00								3-5		100.00	102.00	100		D		45				1.5-2	
102.00	104.00								3-5		102.00	104.00	82		A		45				1.5-2	
104.00	106.00								3-5		104.00	106.00	87		B		45				1.5-2	
106.00	108.00								3-5		106.00	108.00	92		B						1-2	
108.00	110.00								3-5		108.00	110.00	60		A						1-2	
110.00	112.00								3-5		110.00	112.00	72		A						1	
112.00	114.00								3-5		112.00	114.00	74		A						1	
114.00	116.00								3-5		114.00	116.00	100		D						1	
116.00	118.00								3-5		116.00	118.00	65		A		45				1-2	
118.00	120.00								3-5		118.00	120.00	70		A		45				1-2	
120.00	122.00								3-5		120.00	122.00	74		A		45				1-2	
122.00	124.00								3-5		122.00	124.00	82		B		45				3	
124.00	126.00								3-5		124.00	126.00	93		C		45				3	
126.00	128.00								5-10		126.00	128.00	80		C		45				3	
128.00	130.00								3-5		128.00	130.00	87		B		45				1-2	
130.00	132.00								3-5		130.00	132.00	85		B		45				1-2	
132.00	134.00								3-5		132.00	134.00	72		A		45				1-2	
134.00	136.00								3-5		134.00	136.00	92		B		45				1-2	

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-14

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES									
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sa %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
136.00	138.00								3-5		136.00	138.00	100		C		45					1-2
138.00	140.00								3-5		138.00	140.00	96		B		45					1-2
140.00	142.00								3-5		140.00	142.00	92		B		45					1-2
142.00	144.00								3-5		142.00	144.00	100		C		45					1-2
144.00	146.00								5-10		144.00	146.00	97		C		45					3
146.00	148.00								3-5		146.00	148.00	65		A		45					2
148.00	149.35								3-5		148.00	149.35	82		B		45					1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-15
Grid System : ORIGINAL
Collar Eastings : 21602.600
Collar Northings : 20782.100
Collar Elevations : 1143.300
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 153.92
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size : HQ

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	3.05	CASING	Casing,									
3.05	34.00	ARG	Black graphitic argillite, fractured with green and red staining; minor qz stwk	014905	3.05	6.00	2.95	16.	25.	10.	26000.	3.9
				014906	6.00	8.00	2.00	1.	30.	8.	14000.	5.7
				014907	8.00	10.00	2.00	1.	31.	5.	17000.	6.4
				014908	10.00	12.00	2.00	5.	35.	4.	15000.	6.4
12.00	12.50		Abundant qz veining.	014909	12.00	14.00	2.00	8.	45.	11.	18000.	5.1
				014910	14.00	16.00	2.00	4.	41.	14.	11000.	3.7
				014911	16.00	18.00	2.00	2.	39.	14.	6700.	4.3
				014912	18.00	20.00	2.00	2.	45.	17.	11000.	2.3
				014913	20.00	22.00	2.00	1.	37.	4.	11000.	5.1
				014914	22.00	24.00	2.00	1.	29.	3.	10000.	4.1
				014915	24.00	26.00	2.00	2.	42.	5.	15000.	4.5
				014916	26.00	28.00	2.00	2.	19.	3.	8900.	2.1
				014917	28.00	30.00	2.00	1.	43.	12.	8600.	1.9
				014918	30.00	32.00	2.00	9.	27.	7.	10000.	1.7
31.00	31.50		Abundant qz veining.									
32.00	32.50		Abundant qz veining.	014919	32.00	34.00	2.00	7.	41.	14.	11000.	1.4
34.00	43.00	BARITE	Bedded grey barite and fractured grey paper shale, alternating every 20-40cm. Abundant qz veining. Load cast structures and minor folding in barite beds.	014920	34.00	36.00	2.00	98.	36.	5.	4300.	0.2
				014921	36.00	38.00	2.00	43.	21.	4.	4800.	0.2
				014922	38.00	40.00	2.00	49.	47.	8.	4600.	0.3
				014923	40.00	42.00	2.00	13.	15.	4.	1200.	0.1
				014924	42.00	44.00	2.00	46.	34.	4.	2900.	0.3
43.00	44.70	ARG	Black, dense, graphitic argillite. 45 degree contact with mudstone.	014925	44.00	46.00	2.00	14.	31.	2.	1050.	0.1
44.70	57.00	MUDST	Grey/green mudstone; massive to finely laminated. Abundant qtz veining, minor disseminated pyrite.	014926	46.00	48.00	2.00	310.	968.	5.	1300.	0.2
				014927	48.00	50.00	2.00	85.	707.	2.	760.	0.1
				014928	50.00	52.00	2.00	15.	129.	2.	560.	0.1
				014929	52.00	54.00	2.00	18.	145.	2.	300.	0.1
				014930	54.00	56.00	2.00	27.	209.	2.	390.	0.1
				014931	56.00	58.00	2.00	22.	41.	2.	870.	0.4
57.00	64.00	ARG	Black, graphitic argillite. Abundant qz	014932	58.00	60.00	2.00	27.	33.	5.	1100.	0.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCDDE 90-15

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			stwk and veining. Banded and brecciated in sections. Minor deformation in bedding. (Banding and bedding at 38-45 degrees to core axis.)	014933	60.00	62.00	2.00	17.	22.	2.	950.	0.3
				014934	62.00	64.00	2.00	22.	200.	2.	700.	0.2
64.00	95.00	MUDST	Green\gray mudstone, massive to finely laminated, brecciated in sections with qz stwk, minor disseminated pyrite.	014935	64.00	66.00	2.00	80.	402.	2.	750.	0.1
				014936	66.00	68.00	2.00	27.	138.	2.	440.	0.2
				014937	68.00	70.00	2.00	53.	237.	2.	480.	0.1
				014938	70.00	72.00	2.00	111.	1624.	3.	1900.	0.1
				014939	72.00	74.00	2.00	260.	2167.	6.	2200.	0.3
				014940	74.00	76.00	2.00	10.	14.	2.	240.	0.2
				014941	76.00	78.00	2.00	28.	74.	2.	410.	0.3
77.00	81.00		Powdery green staining on fracture surfaces.	014942	78.00	80.00	2.00	11.	14.	2.	280.	0.2
				014943	80.00	82.00	2.00	12.	36.	2.	210.	0.1
82.00	95.00		80-80.5: 1cm wide black bands (C(B=45 deg) Bands of brecciated and qz veined black graphitic argillite interbedded with grey mudstone. (Bands range from 1-20cm).	014944	82.00	84.00	2.00	5.	34.	2.	230.	0.1
				014945	84.00	86.00	2.00	1560.	1923.	2.	380.	0.2
				014946	86.00	88.00	2.00	600.	6380.	13.	5200.	0.3
				014947	88.00	90.00	2.00	360.	1967.	4.	1200.	0.3
				014948	90.00	92.00	2.00	26.	9.	2.	200.	0.2
				014949	92.00	94.00	2.00	26.	34.	2.	350.	0.3
				014950	94.00	96.00	2.00	73.	364.	2.	720.	0.3
95.00	106.00	ARG	Black graphitic argillite, dense, no bedding.	014951	96.00	98.00	2.00	1.	14.	2.	630.	0.1
				014952	98.00	100.00	2.00	5.	14.	2.	400.	0.1
				014953	100.00	102.00	2.00	3.	11.	2.	380.	0.1
101.00	101.50		Minor qz veining.	014954	102.00	104.00	2.00	2.	13.	2.	340.	0.1
				014955	104.00	106.00	2.00	5.	11.	2.	310.	0.1
106.00	108.50	MUDST	Light grey mudstone, minor qz veining.	014956	106.00	108.00	2.00	12.	4.	2.	210.	0.1
				014957	108.00	110.00	2.00	2.	33.	2.	650.	0.1
108.50	116.00	ARG	Dense, black, graphitic argillite. Brecciated and qz veined at contact (108.5-109). Grades into finely laminated black mudstone; C)B=38 deg. 4cm diameter pyrite clast at 109m.	014958	110.00	112.00	2.00	4.	11.	2.	250.	0.1
				014959	112.00	114.00	2.00	2.	7.	2.	170.	0.1
				014960	114.00	116.00	2.00	2.	10.	3.	200.	0.2
116.00	147.00	MUDST	Dense, finely laminated grey mudstone 119m: 1cm wide qz vein; C)B=38 deg.	014961	116.00	118.00	2.00	3.	5.	2.	210.	0.4
				014962	118.00	120.00	2.00	5.	3.	2.	170.	0.3
				014963	120.00	122.00	2.00	7.	7.	3.	280.	0.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-15

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	As ppm
				014964	122.00	124.00	2.00	4.	4.	2.	130.	0.2
				014965	124.00	126.00	2.00	2.	2.	2.	60.	0.1
				014966	126.00	128.00	2.00	5.	5.	1.	140.	0.2
				014967	128.00	130.00	2.00	5.	27.	2.	150.	0.3
				014968	130.00	132.00	2.00	5.	3.	3.	80.	0.2
				014969	132.00	134.00	2.00	4.	3.	2.	70.	0.1
				014970	134.00	136.00	2.00	5.	2.	2.	60.	0.1
				014971	136.00	138.00	2.00	18.	10.	2.	160.	0.1
				014972	138.00	140.00	2.00	9.	6.	2.	310.	0.2
				014973	140.00	142.00	2.00	5.	4.	2.	130.	0.1
				014974	142.00	144.00	2.00	6.	13.	2.	120.	0.1
				014975	144.00	146.00	2.00	2.	5.	2.	80.	0.1
				014976	146.00	148.00	2.00	6.	157.	2.	260.	0.3
147.00	153.92	ARG	Black graphitic argillite, finely laminated. C)B=38 deg. Brecciated with fine qz and pyrite veins.	014977	148.00	150.00	2.00	2.	19.	3.	860.	0.4
				014978	150.00	152.00	2.00	6.	6.	2.	240.	0.2
				014979	152.00	153.92	1.92	4.	12.	3.	420.	0.3

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-15
Grid System : ORIGINAL
Collar Eastings : 21602.600
Collar Northings : 20782.100
Collar Elevations : 1143.300
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 153.92
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size : EQ

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
3.05	6.00										3.05	6.00	46		A							2
6.00	8.00										6.00	8.00	73		A							1.5
8.00	10.00										8.00	10.00	83		A							1
10.00	12.00										10.00	12.00	78		A							1
12.00	14.00										12.00	14.00	70		A							2
14.00	16.00										14.00	16.00	95		A							1
16.00	18.00										16.00	18.00	58		A							1
18.00	20.00										18.00	20.00	65		A							1
20.00	22.00										20.00	22.00	63		A							1
22.00	24.00										22.00	24.00	38		A							2
24.00	26.00										24.00	26.00	60		A							1
26.00	28.00										26.00	28.00	62		A							1
28.00	30.00										28.00	30.00	70		A							1
30.00	32.00										30.00	32.00	72		A							2
32.00	34.00										32.00	34.00	60		A							2
34.00	36.00										34.00	36.00	68		A			65-90				2
36.00	38.00										36.00	38.00	83		A			65-90				2
38.00	40.00										38.00	40.00	68		A			65-90				3
40.00	42.00										40.00	42.00	95		A			65-90				2
42.00	44.00										42.00	44.00	63		A			45				2
44.00	46.00								TR-3		44.00	46.00	70		A			90				1.5
46.00	48.00								TR-3		46.00	48.00	78		A			90				1.5
48.00	50.00								TR-3		48.00	50.00	65		A			90				1.5
50.00	52.00								TR-3		50.00	52.00	57		A			90				1.5
52.00	54.00								TR-3		52.00	54.00	85		A			90				1.5
54.00	56.00								TR-3		54.00	56.00	65		A			90				1.5
56.00	58.00										56.00	58.00	78		A							
58.00	60.00										58.00	60.00	98		A			38-45				3
60.00	62.00										60.00	62.00	78		A							3
62.00	64.00										62.00	64.00	78		A							3
64.00	66.00								TR-1		64.00	66.00	83		A			45				2

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-15

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bnd	Struc	Color	Sulph %	QuartzClrCode %
66.00	68.00								TR-1		66.00	68.00	75		A							3
68.00	70.00								TR-1		68.00	70.00	73		A							2
70.00	72.00								TR-1		70.00	72.00	81		A							1
72.00	74.00								TR-1		72.00	74.00	78		A							1
74.00	76.00								TR-1		74.00	76.00	75		A							1
76.00	78.00								TR-1		76.00	78.00	71		A							1
78.00	80.00								TR-1		78.00	80.00	72		A							1
80.00	82.00								TR-1		80.00	82.00	78		A		45					1
82.00	84.00								TR-1		82.00	84.00	87		A							1
84.00	86.00										84.00	86.00	48		A							3
86.00	88.00										86.00	88.00	74		A							1
88.00	90.00										88.00	90.00	85		A							1
90.00	92.00										90.00	92.00	98		A							1
92.00	94.00										92.00	94.00	90		A							1
94.00	96.00										94.00	96.00	83		B							1
96.00	98.00										96.00	98.00	86		B							1
98.00	100.00										98.00	100.00	78		B							1
100.00	102.00										100.00	102.00	95		B							2
102.00	104.00										102.00	104.00	85		B							1
104.00	106.00										104.00	106.00	93		B							1
106.00	108.00										106.00	108.00	85		C							1
108.00	110.00								TR-3		108.00	110.00	85		C							1
110.00	112.00								TR-3		110.00	112.00	93		D							1
112.00	114.00								TR-3		112.00	114.00	100		D							1
114.00	116.00								TR-3		114.00	116.00	100		D							1
116.00	118.00								TR-3		116.00	118.00	70		A							1
118.00	120.00								TR-3		118.00	120.00	65		A		38					1
120.00	122.00								TR-3		120.00	122.00	83		A							1
122.00	124.00								TR-3		122.00	124.00	94		A							1
124.00	126.00								TR-3		124.00	126.00	75		A							1
126.00	128.00								TR-3		126.00	128.00	70		A							1
128.00	130.00								TR-3		128.00	130.00	72		A							1
130.00	132.00								TR-3		130.00	132.00	85		A							1
132.00	134.00								TR-3		132.00	134.00	85		A							1
134.00	136.00								TR-3		134.00	136.00	89		A							1
136.00	138.00								TR-3		136.00	138.00	84		A							2
138.00	140.00								TR-3		138.00	140.00	67		A							1
140.00	142.00								TR-3		140.00	142.00	72		A							1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-15

GEOCHEMICAL SAMPLES										GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sa %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
142.00	144.00								TR-3	142.00	144.00	91		A						1	
144.00	146.00								TR-3	144.00	146.00	90		A						1	
146.00	148.00								3-5	146.00	148.00	93		C		38				3	
148.00	150.00								3-5	148.00	150.00	75		A						2	
150.00	152.00								3-5	150.00	152.00	93		B						2	
152.00	153.92								3-5	152.00	153.92	76		A						2	

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-16
Grid System : ORIGINAL
Collar Eastings : 21580.280
Collar Northings : 20458.150
Collar Elevations : 1091.990
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 154.23
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size : HQ

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	1.22	CASING	Casing.									
1.22	13.00	BRECIA	Breccia; chert, argillite and mudstone clasts up to 2cm. Coarse black matrix. Abundant qz veining.	014980	1.22	4.00	2.78	20.	53.	11.	680.	1.1
				014981	4.00	6.00	2.00	8.	52.	6.	960.	0.9
				014982	6.00	8.00	2.00	12.	76.	10.	1500.	0.7
				014983	8.00	10.00	2.00	10.	62.	11.	2200.	1.0
				014984	10.00	12.00	2.00	10.	114.	13.	2600.	1.0
				014985	12.00	14.00	2.00	15.	66.	8.	2400.	1.2
13.00	24.00	MUDST	Black bedded mudstone. C)B=56 deg. Green/red staining on fracture surfaces.	014986	14.00	16.00	2.00	11.	200.	13.	2300.	1.1
				014987	16.00	18.00	2.00	6.	143.	6.	2800.	0.5
				014988	18.00	20.00	2.00	4.	64.	5.	5400.	0.8
				014989	20.00	22.00	2.00	12.	102.	11.	4600.	0.7
				014990	22.00	24.00	2.00	33.	139.	13.	6500.	1.1
24.00	46.00	BRECIA	Chert breccia (chert, argillite clasts). Grey, fine grained, silicified matrix. Abundant qz veining; multicoloured staining on fracture surfaces. Minor pyrite rich clasts.	014991	24.00	26.00	2.00	59.	160.	7.	6600.	1.3
				014992	26.00	28.00	2.00	97.	179.	8.	6700.	2.9
				014993	28.00	30.00	2.00	67.	236.	9.	5700.	1.0
				014994	30.00	32.00	2.00	133.	159.	12.	7800.	1.8
				014995	32.00	34.00	2.00	400.	231.	12.	3600.	2.7
				014996	34.00	36.00	2.00	1070.	538.	9.	3200.	0.9
35.00	46.00		Bands of alternating soft grey mudstone breccia to hard chert breccia. Bands pinch and swell and are very contorted. Intense cross cutting qz veining. Bands of powdery brown/green limonite on fracture surfaces	014997	36.00	38.00	2.00	550.	325.	8.	8100.	0.6
				014998	38.00	40.00	2.00	1130.	601.	12.	9200.	0.5
				014999	40.00	42.00	2.00	5370.	1412.	21.	18000.	2.3
				015000	42.00	44.00	2.00	3320.	935.	20.	14000.	2.3
				015001	44.00	46.00	2.00	84.	709.	12.	7600.	0.3
46.00	55.00	INT	Rusty brown/white porphyritic intrusive. White feldspar rich matrix, abundant white clay altered k-spar phenos, limonite and hematite rich in sections, minor disseminated pyrite.									
46.00	46.10		Band of white clay at contact.	015002	46.00	48.00	2.00	1130.	920.	19.	24000.	0.6
				015003	48.00	50.00	2.00	52.	527.	11.	18000.	0.1

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-16

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
50.00	50.10		Rusty clay rich.	015004	50.00	52.00	2.00	19.	687.	6.	4800.	0.3
52.00	53.00		MnO2 staining on fracture surfaces.	015005	52.00	54.00	2.00	2.	471.	13.	17000.	0.3
				015006	54.00	55.00	1.00	890.	2451.	16.	27000.	0.9
55.00	60.00	BRECIA	Breccia (argillite and chert clasts). Abundant qz veining - up to 1cm thick.	015007	55.00	58.00	3.00	600.	977.	14.	9400.	1.5
				015008	58.00	60.00	2.00					
60.00	154.23	ARG	Black, fractured, graphitic argillite. Abundant qz veining, green/orange and yellow powdery staining on fracture surfaces. Banded in sections. C)B=45 deg.	015009	60.00	62.00	2.00	63.	260.	5.	3200.	3.7
				015010	62.00	64.00	2.00	2.	229.	13.	6700.	4.1
				015011	64.00	66.00	2.00	5.	182.	9.	5600.	4.2
				015012	66.00	68.00	2.00	3.	259.	12.	6200.	4.6
				015013	68.00	70.00	2.00	3.	261.	10.	6800.	2.8
				015014	70.00	72.00	2.00	4.	316.	15.	9000.	3.2
				015015	72.00	74.00	2.00	2.	177.	9.	4800.	4.4
				015016	74.00	76.00	2.00	42.	264.	14.	9300.	3.2
				015017	76.00	78.00	2.00	220.	342.	17.	21000.	3.2
				015018	78.00	80.00	2.00	66.	275.	17.	28000.	3.3
				015019	80.00	82.00	2.00	19.	220.	10.	9600.	2.8
				015020	82.00	84.00	2.00	1.	87.	7.	7200.	2.5
				015021	84.00	86.00	2.00	1.	139.	18.	1100.	2.6
				015022	86.00	88.00	2.00	1.	126.	10.	540.	2.7
				015023	88.00	90.00	2.00	2.	78.	8.	560.	3.5
				015024	90.00	92.00	2.00	1.	120.	27.	2800.	3.7
				015025	92.00	94.00	2.00	3.	81.	22.	4600.	1.8
				015026	94.00	96.00	2.00	4.	106.	16.	9500.	3.0
				015027	96.00	98.00	2.00	11.	110.	7.	15000.	4.3
				015028	98.00	100.00	2.00	15.	161.	12.	9300.	4.5
				015029	100.00	102.00	2.00	1.	131.	14.	5800.	4.5
				015030	102.00	104.00	2.00	1.	69.	5.	6200.	5.0
				015031	104.00	106.00	2.00	1.	45.	8.	3800.	3.9
				015032	106.00	108.00	2.00	1.	78.	12.	1800.	4.4
				015033	108.00	110.00	2.00	2.	99.	16.	1900.	3.7
				015034	110.00	112.00	2.00	3.	148.	33.	2300.	3.4
				015035	112.00	114.00	2.00	1.	81.	20.	3000.	3.5
				015036	114.00	116.00	2.00					
				015037	116.00	118.00	2.00	3.	23.	7.	1300.	3.3
				015038	118.00	120.00	2.00	1.	28.	11.	1600.	3.1
				015039	120.00	122.00	2.00	1.	37.	12.	1500.	2.5
				015040	122.00	124.00	2.00	1.	37.	13.	1300.	1.3
123.00	154.23		Increase in qz stwk.	015041	124.00	126.00	2.00	1.	30.	12.	4600.	1.3
			154m: 1cm wide pyrite nodule.	015042	126.00	128.00	2.00	23.	124.	14.	8600.	2.6

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMNER CREEK
HOLE No. : BCDDH 90-16

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				015043	128.00	130.00	2.00	23.	111.	11.	2600.	1.8
				015044	130.00	132.00	2.00	23.	108.	20.	15000.	2.3
				015045	132.00	134.00	2.00	5.	100.	12.	11000.	2.9
				015046	134.00	136.00	2.00	32.	87.	15.	13000.	2.6
				015047	136.00	138.00	2.00	7.	76.	14.	10000.	1.7
				015048	138.00	140.00	2.00	16.	67.	17.	14000.	1.1
				015049	140.00	142.00	2.00	8.	49.	11.	10000.	1.0
				015050	142.00	144.00	2.00	23.	94.	18.	22000.	2.2
				015051	144.00	146.00	2.00	2.	64.	13.	19000.	2.4
				015052	146.00	148.00	2.00	1.	72.	8.	11000.	3.1
				015053	148.00	150.00	2.00	3.	93.	12.	9600.	2.3
				015054	150.00	152.00	2.00	29.	127.	16.	9200.	0.9
				015055	152.00	154.23	2.23	10.	38.	7.	2300.	0.7

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-16
Grid System : ORIGINAL
Collar Eastings : 21580.280
Collar Northings : 20458.150
Collar Elevations : 1091.990
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 154.23
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size : HQ

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Sulfide Stock	%	FROM	TO	Reco-very %	Lim %	Break-age	Sx %	Veins %	Bds	Struc	Color	Sulph %	QuartzClrCode %
1.22	4.00										1.22	4.00	27		A							1-2
4.00	6.00										4.00	6.00	72		A		36					1-2
6.00	8.00										6.00	8.00	80		A							1-2
8.00	10.00										8.00	10.00	60		A							1-2
10.00	12.00										10.00	12.00	55		A							1-2
12.00	14.00										12.00	14.00	32		A							1
14.00	16.00										14.00	16.00	72		A							3
16.00	18.00										16.00	18.00	16		A							3
18.00	20.00										18.00	20.00	38		A							3
20.00	22.00										20.00	22.00	58		A							3
22.00	24.00										22.00	24.00	68		A							3
24.00	26.00								TR-1		24.00	26.00	84		A							3
26.00	28.00								TR-1		26.00	28.00	72		A							3
28.00	30.00								TR-1		28.00	30.00	73		A							3
30.00	32.00								TR-1		30.00	32.00	87		A							3
32.00	34.00								TR-1		32.00	34.00	65		A							3
34.00	36.00								TR-1		34.00	36.00	85		A							3
36.00	38.00								TR-1		36.00	38.00	83		A							3
38.00	40.00								TR-1		38.00	40.00	82		B							3
40.00	42.00								TR-1		40.00	42.00	96		B							3
42.00	44.00								TR-1		42.00	44.00	83		B							3
44.00	46.00								TR-1		44.00	46.00	78		A							3
46.00	48.00	2						1-3	TR		46.00	48.00	88		B							1
48.00	50.00	3						1-3	TR		48.00	50.00	90		B							1
50.00	52.00	2						1-3	TR		50.00	52.00	98		D							1
52.00	54.00	2						1-3	TR		52.00	54.00	94		C							1
54.00	55.00	2						1-3	TR		54.00	55.00	100		C							1
55.00	58.00										55.00	58.00	68		A		70					3
58.00	60.00										58.00	60.00	78		A							3

Hole No: BCDDH 90-16

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-16

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Si %	Veins %	Big	Struc	Color	Sulph %	QuartzClrCode %
60.00	62.00										60.00	62.00	73	A			45				2
62.00	64.00										62.00	64.00	82	A							2
64.00	66.00										64.00	66.00	92	A							2
66.00	68.00										66.00	68.00	84	A							2
68.00	70.00										68.00	70.00	35	A							2
70.00	72.00										70.00	72.00	96	A							2
72.00	74.00										72.00	74.00	92	A							2
74.00	76.00										74.00	76.00	47	A							2
76.00	78.00										76.00	78.00	70	A							2
78.00	80.00										78.00	80.00	70	A							2
80.00	82.00										80.00	82.00	83	A							2
82.00	84.00										82.00	84.00	92	B							2
84.00	86.00										84.00	86.00	83	A							2
86.00	88.00										86.00	88.00	83	A							2
88.00	90.00										88.00	90.00	93	B							2
90.00	92.00										90.00	92.00	75	A							2
92.00	94.00										92.00	94.00	78	A							2
94.00	96.00										94.00	96.00	75	A							2
96.00	98.00										96.00	98.00	68	A							2
98.00	100.00										98.00	100.00	87	A							2
100.00	102.00										100.00	102.00	93	A							2
102.00	104.00										102.00	104.00	82	A							2
104.00	106.00										104.00	106.00	95	A							2
106.00	108.00										106.00	108.00	87	A							2
108.00	110.00										108.00	110.00	78	A							2
110.00	112.00										110.00	112.00	73	A							2
112.00	114.00										112.00	114.00	80	A							1
114.00	116.00										114.00	116.00	58	A							1
116.00	118.00										116.00	118.00	98	A							1
118.00	120.00										118.00	120.00	93	B							1
120.00	122.00										120.00	122.00	92	A							1
122.00	124.00										122.00	124.00	78	A							2
124.00	126.00										124.00	126.00	25	A							2
126.00	128.00										126.00	128.00	32	A							3
128.00	130.00										128.00	130.00	60	A							3
130.00	132.00										130.00	132.00	67	A							3
132.00	134.00										132.00	134.00	96	A							3
134.00	136.00										134.00	136.00	72	A							3
136.00	138.00										136.00	138.00	77	A							3
138.00	140.00										138.00	140.00	97	A							3
140.00	142.00										140.00	142.00	52	A							

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-16

FROM	TO	Arg	Sil	Serc	GEOCHEMICAL SAMPLES Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
142.00	144.00									
144.00	146.00									
146.00	148.00									
148.00	150.00									
150.00	152.00									
152.00	154.23								1	

FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Brg	Struc	Color	GEOTECHNICAL SAMPLES Sulph %	QuartzClrCode %
142.00	144.00	56		A						3	
144.00	146.00	68		A						3	
146.00	148.00	72		A						3	
148.00	150.00	86		A						3	
150.00	152.00	92		A						3	
152.00	154.23	84		A							

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-17
Grid System : ORIGINAL
Collar Eastings : 21458.400
Collar Northings : 20526.500
Collar Elevations : 1155.100
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 127.41
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size : H

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	1.83	CASING	Casing.									
1.83	5.40	INT	Limonitic porphyritic intrusive. Rusty brown, white clay rich, minor quartz stockwork.	15056	1.83	4.00	2.17	22.	369.	11.	2400.	0.1
				15057	4.00	5.40	1.40	1990.	780.	16.	7700.	0.1
5.40	7.62	MUDST	Rusty, white, soft mudstone, clay and limonite rich.	15058	5.40	8.00	2.60	17.	177.	9.	9600.	1.2
7.62	12.50	ARG	Black argillite. Multi-coloured staining on fracture surfaces. Minor quartz veining.	15059	8.00	10.00	2.00	1.	88.	3.	680.	0.4
				15060	10.00	12.00	2.00	4.	67.	3.	620.	0.6
				15061	12.00	14.00	2.00	13.	161.	12.	730.	1.6
12.50	16.46	MUDST	White/grey mudstone, varies from brecciated to bedded with minor deformations. Cherty nodules.	15062	14.00	16.00	2.00	26.	137.	10.	430.	1.4
				15063	16.00	18.00	2.00	1.	39.	3.	580.	0.9
16.46	28.50	CHERT	Dense black chert and mudstone. Abundant quartz veining. Brecciated in sections multi-coloured staining on fracture surfaces.	15064	18.00	20.00	2.00	1.	38.	3.	400.	1.3
				15065	20.00	22.00	2.00	7.	62.	7.	1300.	1.1
				15066	22.00	24.00	2.00	4.	77.	4.	1800.	1.5
				15067	24.00	26.00	2.00	3.	87.	7.	2200.	1.2
				15068	26.00	28.00	2.00	7.	61.	7.	930.	1.7
				15069	28.00	30.00	2.00	8.	312.	10.	5000.	4.2
28.50	43.00	MUDST	White/grey mudstone varies from brecciated to bedded with minor deformations. Cherty nodules. Bedded sections have 0 degree core to bedding angle. Chert rich sections. Note: at 38 m; mudstone changes colour to grey/black.	15070	30.00	32.00	2.00	16.	238.	4.	3600.	2.8
				15071	32.00	34.00	2.00	15.	203.	7.	2800.	2.3
				15072	34.00	36.00	2.00	28.	125.	6.	4000.	1.2
				15073	36.00	38.00	2.00	38.	278.	14.	8500.	1.2
				15074	38.00	40.00	2.00	25.	152.	24.	5000.	1.2
				15075	40.00	42.00	2.00	19.	122.	13.	2400.	1.0
				15076	42.00	44.00	2.00	17.	626.	32.	4000.	1.2
43.00	79.60	BRECCI	Breccia with mudstone, chert, and argillite clasts. Rusty with abundant quartz veining.	15077	44.00	46.00	2.00	20.	353.	14.	5800.	1.5
				15078	46.00	48.00	2.00	22.	180.	16.	10400.	1.0
				15079	48.00	50.00	2.00	15.	222.	7.	6600.	1.8

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-17

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				15080	50.00	52.00	2.00	21.	465.	20.	22800.	2.2
				15081	52.00	54.00	2.00	22.	530.	24.	19080.	2.0
				15082	54.00	56.00	2.00	42.	549.	20.	7800.	0.5
				15083	56.00	58.00	2.00	15.	435.	12.	5400.	1.2
56.00	58.00		Very low recovery.	15084	58.00	60.00	2.00	6.	294.	14.	3600.	1.3
				15085	60.00	62.00	2.00	23.	769.	14.	4500.	0.8
				15086	62.00	64.00	2.00	34.	1334.	35.	1800.	1.2
				15087	64.00	66.00	2.00	24.	6266.	38.	1600.	3.3
				15088	66.00	68.00	2.00	18.	3093.	23.	360.	2.1
				15089	68.00	70.00	2.00	15.	3370.	19.	360.	1.2
				15090	70.00	72.00	2.00	14.	2630.	20.	340.	1.4
				15091	72.00	74.00	2.00	82.	760.	13.	190.	0.8
				15092	74.00	76.00	2.00	52.	514.	19.	260.	0.2
				15093	76.00	78.00	2.00	30.	298.	14.	460.	0.4
				15094	78.00	79.60	1.60	230.	1120.	29.	2000.	0.8
79.60	90.70	F*INT	Fresh k-spar porphyry intrusive. Abundant biotite, hornblende, and feldspar. Matrix varies from fresh grey biotite rich to weathered rusty and clay rich.	15095	79.60	82.00	2.40	49.	394.	11.	4400.	0.1
				15096	82.00	84.00	2.00	19.	354.	19.	60.	0.1
				15097	84.00	86.00	2.00	14.	383.	19.	110.	0.1
86.00	90.70		Rusty and limonitic.	15098	86.00	88.00	2.00	11.	388.	30.	130.	0.1
				15099	88.00	90.70	2.70	11.	433.	37.	120.	0.1
90.70	118.00	BRECCI	Breccia with argillite and mudstone clasts, minor quartz veining.	15100	90.70	92.00	1.30	13.	217.	17.	2100.	0.7
				15101	92.00	94.00	2.00	25.	441.	22.	7500.	3.3
				15102	94.00	96.00	2.00	310.	737.	37.	4600.	3.4
				15103	96.00	98.00	2.00	350.	750.	40.	7600.	5.3
				15104	98.00	100.00	2.00	660.	570.	46.	12000.	2.4
				15105	100.00	102.00	2.00	2320.	800.	52.	10600.	2.3
				15106	102.00	104.00	2.00	320.	404.	32.	19000.	1.4
				15107	104.00	106.00	2.00	430.	365.	36.	10800.	1.1
				15108	106.00	108.00	2.00	49.	307.	15.	5100.	2.8
				15109	108.00	110.00	2.00	13.	183.	17.	2500.	4.2
109.00	116.00		Very low recovery. Possible fault zone.	15110	110.00	112.00	2.00	47.	201.	16.	1050.	6.3
				15111	112.00	114.00	2.00	19.	908.	64.	480.	2.9
				15112	114.00	116.00	2.00	13.	304.	28.	2400.	6.4
				15113	116.00	118.00	2.00	550.	442.	47.	17000.	4.6
118.00	127.41	ARG	Black graphitic argillite.	15114	118.00	120.00	2.00	63.	262.	26.	12000.	5.7
				15115	120.00	122.00	2.00	11.	288.	24.	11000.	8.2
				15116	122.00	124.00	2.00	3.	379.	28.	10800.	5.7

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-17

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				15117	124.00	127.41	3.41	1.	412.	42.	6800.	3.7

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PAGE : 1

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-17
Grid System : ORIGINAL
Collar Eastings : 21458.400
Collar Northings : 20526.500
Collar Elevations : 1155.100
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 127.41
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size : H

GEOCHEMICAL SAMPLES

FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
1.83	4.00	2.5					1	5-15	1.5	
4.00	5.40	2.5					1	5-15	1.5	
5.40	8.00									
8.00	10.00								1.5	
10.00	12.00								1.5	
12.00	14.00									
14.00	16.00									
16.00	18.00								2	
18.00	20.00								2	
20.00	22.00								2	
22.00	24.00								2	
24.00	26.00								2	
26.00	28.00								2	
28.00	30.00									
30.00	32.00									
32.00	34.00									
34.00	36.00									
36.00	38.00									
38.00	40.00									
40.00	42.00									
42.00	44.00								2	
44.00	46.00								2	
46.00	48.00								2	
48.00	50.00								2	
50.00	52.00								2	
52.00	54.00								2	
54.00	56.00								2	
56.00	58.00								2	
58.00	60.00								2	
60.00	62.00								2	
62.00	64.00								2	
64.00	66.00								2	

GEOTECHNICAL SAMPLES

FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
1.83	4.00	82		A							
4.00	5.40	64		A							
5.40	8.00	38		A							
8.00	10.00	50		A							
10.00	12.00	63		A							
12.00	14.00	83		B		45					
14.00	16.00	80		B		45					
16.00	18.00	80		B							
18.00	20.00	75		A							
20.00	22.00	73		A							
22.00	24.00	30		A							
24.00	26.00	66		A							
26.00	28.00	73		A							
28.00	30.00	92		A							
30.00	32.00	33		A		0					
32.00	34.00	62		A							
34.00	36.00	70		A							
36.00	38.00	68		A							
38.00	40.00	55		A							
40.00	42.00	82		A		0					
42.00	44.00	65		A							
44.00	46.00	68		A							
46.00	48.00	62		A							
48.00	50.00	75		A							
50.00	52.00	73		A							
52.00	54.00	80		A							
54.00	56.00	54		A							
56.00	58.00	5		A							
58.00	60.00	40		A							
60.00	62.00	52		A							
62.00	64.00	60		A							
64.00	66.00	55		A							

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-17

GEOCHEMICAL SAMPLES

FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
66.00	68.00								2	
68.00	70.00								2	
70.00	72.00								2	
72.00	74.00								2	
74.00	76.00								2	
76.00	78.00								2	
78.00	79.60								2	
79.60	82.00							TR	2	
82.00	84.00							TR		
84.00	86.00	1					1	3-5		
86.00	88.00	1					1	3-5		
88.00	90.70	1					1	3-5		
90.70	92.00								1	
92.00	94.00								1	
94.00	96.00								1	
96.00	98.00								1	
98.00	100.00								1	
100.00	102.00								1	
102.00	104.00								1	
104.00	106.00								1	
106.00	108.00								1	
108.00	110.00								1	
110.00	112.00								1	
112.00	114.00								1	
114.00	116.00								1	
116.00	118.00									
118.00	120.00									
120.00	122.00									
122.00	124.00									
124.00	127.41									

GEOTECHNICAL SAMPLES

FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
66.00	68.00	82		A							
68.00	70.00	75		A							
70.00	72.00	70		A							
72.00	74.00	63		A							
74.00	76.00	58		A							
76.00	78.00	60		A							
78.00	79.60	60		A							
79.60	82.00	88		B							
82.00	84.00	98		B							
84.00	86.00	93		B							
86.00	88.00	83		A							
88.00	90.70	82		A							
90.70	92.00	24		A							
92.00	94.00	65		A							
94.00	96.00	73		A							
96.00	98.00	48		A							
98.00	100.00	60		A							
100.00	102.00	45		A							
102.00	104.00	62		A							
104.00	106.00	30		A							
106.00	108.00	33		A							
108.00	110.00	15		A							
110.00	112.00	5		A							
112.00	114.00	5		A							
114.00	116.00	25		A							
116.00	118.00	20		A							
118.00	120.00	7		A							
120.00	122.00	72		A							
122.00	124.00	40		A							
124.00	127.41	9		A							

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-18
Grid System : ORIGINAL
Collar Eastings : 20928.200
Collar Northings : 19967.400
Collar Elevations : 1055.550
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 60.35
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size : HQ

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	3.05	CASING	Casing.									
3.05	37.00	INT	Grey, biotite/k-spar porphyrytic intrusive which is rusty and weathered from 3.05 - 12 metres.	015118	3.05	4.00	0.95	5.	60.	25.	2000.	0.1
				015119	4.00	6.00	2.00	6.	90.	34.	500.	0.1
				015120	6.00	8.00	2.00	220.	619.	92.	2200.	0.2
				015121	8.00	10.00	2.00	3.	681.	121.	1300.	0.1
				015122	10.00	12.00	2.00	95.	449.	18.	640.	0.2
				015123	12.00	14.00	2.00	15.	20.	13.	130.	0.1
				015124	14.00	16.00	2.00	9.	28.	26.	100.	0.1
				015125	16.00	18.00	2.00	310.	361.	133.	250.	0.1
				015126	18.00	20.00	2.00	340.	535.	1314.	500.	0.2
19.00	21.00		Rusty section with a small stibnite and quartz vein. Yellow antimony ochre at 19.3 metres.	015127	20.00	22.00	2.00	75.	379.	452.	310.	0.1
				015128	22.00	24.00	2.00	18.	36.	68.	170.	0.3
				015129	24.00	26.00	2.00	82.	162.	88.	130.	0.2
				015130	26.00	28.00	2.00	16.	134.	66.	120.	0.3
27.00	37.00		Rusty and limonitic. Loss of fresh biotite with minor quartz stockwork.	015131	28.00	30.00	2.00	2.	114.	88.	520.	0.3
				015132	30.00	32.00	2.00	460.	1129.	216.	2900.	0.7
				015133	32.00	34.00	2.00	119.	599.	368.	2800.	0.4
				015134	34.00	36.00	2.00	134.	656.	208.	2200.	0.2
				015135	36.00	37.00	1.00	590.	1057.	252.	3400.	0.7
37.00	41.50	ARG	Black and fractured argillite. Abundant quartz and calcite veins with multi-coloured staining on fracture surfaces.	015136	37.00	38.00	1.00	280.	672.	141.	1400.	1.7
				015137	38.00	40.00	2.00	47.	158.	32.	3200.	1.7
				015138	40.00	41.50	1.50	116.	297.	19.	2300.	2.6
41.50	49.00	INT	Rusty limonitic porphyritic intrusive with abundant quartz veining. Fine quartz stockwork veining and quartz eyes also present.	015139	41.50	42.00	0.50	10210.	1259.	33.	5200.	3.2
				015140	42.00	44.00	2.00	3720.	3110.	46.	3800.	1.7
				015141	44.00	46.00	2.00	1260.	1555.	40.	2800.	1.6
				015142	46.00	48.00	2.00	320.	1005.	25.	2500.	0.8
				015143	48.00	49.00	1.00	85.	606.	21.	2700.	0.5
49.00	54.50	LMST	Grey limestone with graphite at upper and lower contact. Abundant calcite veining.	015144	49.00	52.00	3.00	63.	132.	16.	3600.	1.4
				015145	52.00	54.50	2.50	1.	49.	8.	2300.	0.3
54.50	57.00	INT	Rusty, white quartz feldspar intrusive	015146	54.50	57.00	2.50	280.	502.	15.	4000.	0.4

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-18

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			with minor quartz veining and abundant disseminated pyrite.									
57.00	60.35	ARG	Soft, black, fractured, graphitic argillite. Contains minor calcite veining.	015147	57.00	58.00	1.00	14.	90.	20.	2700.	1.8
				015148	58.00	60.35	2.35	21.	102.	6.	1800.	0.4

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-18
Grid System : ORIGINAL
Collar Eastings : 20928.200
Collar Northings : 19967.400
Collar Elevations : 1055.550
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 60.35
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size : HQ

FROM	TO	Arg	Sil	Serc	GEOCHEMICAL SAMPLES Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
3.05	4.00	1								
4.00	6.00	1								
6.00	8.00	1								
8.00	10.00	1								
10.00	12.00	1								
12.00	14.00	1								
14.00	16.00	1								
16.00	18.00	1								
18.00	20.00	1.5					1	0-1	2	TR
20.00	22.00	1					1	0-1	1	
22.00	24.00	1					1	0-1	1	
24.00	26.00	1					1	0-1	1	
26.00	28.00	1					1	0-1	1	
28.00	30.00	1					1	0-1	1	
30.00	32.00	1					1	0-1	1	
32.00	34.00	1					1	0-1	1	
34.00	36.00	1					1	0-1	1	
36.00	37.00	1					1	0-1	1	
37.00	38.00									
38.00	40.00									
40.00	41.50									
41.50	42.00	2					2.5	5-10	3	
42.00	44.00	2					2.5	5-10	3	
44.00	46.00	2					2.5	5-10	3	
46.00	48.00	2					2.5	5-10	3	
48.00	49.00							5-10	3	
49.00	52.00									
52.00	54.50									
54.50	57.00	1					1	1.3	1	
57.00	58.00									
58.00	60.35									

FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
3.05	4.00	50		A							
4.00	6.00	15		A							
6.00	8.00	28		A							
8.00	10.00	30		A							
10.00	12.00	23		A							
12.00	14.00	68		A							
14.00	16.00	60		C							
16.00	18.00	88		B							
18.00	20.00	80		B							
20.00	22.00	93		C							
22.00	24.00	95		B							
24.00	26.00	80		B							
26.00	28.00	91		B							
28.00	30.00	88		B							
30.00	32.00	65		A							
32.00	34.00	84		A							
34.00	36.00	98		A							
36.00	37.00	72		A							
37.00	38.00	30		A							
38.00	40.00	75		A							
40.00	41.50	60		A							
41.50	42.00	98		C							
42.00	44.00	95		A							
44.00	46.00	88		A							
46.00	48.00	72		A							
48.00	49.00	45		A							
49.00	52.00	60		A							
52.00	54.50	37		A							
54.50	57.00	44		A							
57.00	58.00	85		A							
58.00	60.35	81		A							

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-19
Grid System : ORIGINAL
Collar Eastings : 20862.000
Collar Northings : 20004.800
Collar Elevations : 1063.960
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 47.27
Claim No. :

Logged by : LENA K. BROMMELAND
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size : HQ

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.44	CASING	Casing.									
2.44	25.15	INT	Limonitic quartz rich intrusive with strongly clay altered feldspar phenocrysts. Calcareous matrix.	015149	2.44	4.00	1.56	460.	584.	108.	3100.	0.4
				015150	4.00	6.00	2.00	46.	383.	68.	3700.	0.4
				015151	6.00	8.00	2.00	340.	691.	350.	2800.	0.5
				015152	8.00	10.00	2.00	65.	256.	154.	4200.	0.4
7.01	7.47		Bleached blue-green colour.	015153	10.00	12.00	2.00	160.	717.	154.	2800.	0.4
10.00	10.21		Calcite veining. C)vein angle is 45 deg.	015154	12.00	14.00	2.00	1150.	2034.	67.	2100.	0.7
				015155	14.00	16.00	2.00	1440.	2246.	121.	3400.	1.0
13.01	14.00		Quartz vein. C)vein 35 degrees.	015156	16.00	18.00	2.00	8250.	5886.	437.	4300.	2.2
				015157	18.00	20.00	2.00	19900.	9479.	531.	6500.	4.6
17.00	25.15		Stockwork - quartz - becomes very intense. C)vein is 40 on average.	015158	20.00	22.00	2.00	13080.	8124.	2072.	5100.	3.7
				015159	22.00	24.00	2.00	12950.	6887.	1703.	4800.	4.1
			Note:	015160	24.00	25.15	1.15	9850.	4612.	1104.	4000.	3.2
			at 19.6 m; very vuggy, rusty orange limonite staining.									
			at 17.25 m; sulphide content increases.									
			at 20.50 m; Blebs of stibnite 9 cm long and 2 cm in diameter.									
			NOTE: at 23 - 23.2 m. Blebs of stibnite 10 cm long and 2 cm in diameter. Intense stockwork. Core to vein angle = 10 - 20 degrees.									
			NOTE: at 24 to 25.5 m. Core to vein angle = 15 - 40 degrees.									
25.15	31.50	ARG	Black cherty argillite chips in a medium grey clay matrix. Very broken up. Extremely poor recovery; 0% from 28 to 30 m.	015161	25.15	31.50	6.35	920.	316.	149.	2700.	0.9
31.50	36.88	INT	Bleached altered limonitic intrusive with abundant quartz eyes. Varies in colour from rusty orange to yellow.	015162	31.50	34.00	2.50	240.	888.	177.	2500.	0.5
				015163	34.00	35.20	1.20	40.	592.	141.	1400.	0.9

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMNER CREEK
HOLE No. : BCDDH 90-19

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
35.20	36.00		Argillite; brecciated with abundant manganese staining.	015164	35.20	36.00	0.80	38.	716.	147.	3100.	1.6
				015165	36.00	36.88	0.88	32.	829.	131.	3800.	0.7
36.88	46.19	BARITE	White bedded barite.	015166	36.88	40.00	3.12	31.	191.	22.	3300.	0.5
			Note: at 45.42 m; extension gashes which are almost perpendicular to bedding.	015167	40.00	42.00	2.00	9.	59.	8.	1200.	0.1
				015168	42.00	44.00	2.00	2.	26.	4.	350.	0.1
				015169	44.00	46.19	2.19	9.	95.	7.	520.	0.1
46.19	47.24	SHALE	Limonitic grey brown shale; incompetant.	015170	46.19	47.27	1.08	23.	135.	6.	880.	0.3

KOMANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-19
Grid System : ORIGINAL
Collar Eastings : 20862.000
Collar Northings : 20004.800
Collar Elevations : 1063.960
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 47.27
Claim No. :

Logged by : LENA K. BROMMELAND
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size : HQ

FROM	TO	Arg	Sil	Serc	GEOCHEMICAL SAMPLES Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.44	4.00	2.5			2	2.5	5			
4.00	6.00	2.5			1	2	5			
6.00	8.00	2.5			2	2	5			
8.00	10.00	3			3	2	5	1		TR
10.00	12.00	2			3	2	5	2		1-2
12.00	14.00	2			3	2	5	3		1-2
14.00	16.00	2			3	2	5	3		1-2
16.00	18.00	2			3	2	5	3.5		1-2
18.00	20.00	2			3	2	5	4		3-5
20.00	22.00	2			3	2	5	4		3-5
22.00	24.00	2			3	2	5	4		3-5
24.00	25.15	2			3	2	5	4		3-5
25.15	31.50									
31.50	34.00									
34.00	35.20									
35.20	36.00									
36.00	36.88									
36.88	40.00									
40.00	42.00									

FROM	TO	Recovery %	GEOTECHNICAL SAMPLES Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.44	4.00	82		A							
4.00	6.00	91		B							
6.00	8.00	88		B							
8.00	10.00	80		B							
10.00	12.00	75		B							
12.00	14.00	97		A							
14.00	16.00	86		C							
16.00	18.00	80		B							
18.00	20.00	80		A							
20.00	22.00	93		B							
22.00	24.00	78		B							
24.00	25.15	78		A							
25.15	31.50	20		A							
31.50	34.00	49		A							
34.00	35.20	63		A							
35.20	36.00	16		A							
36.00	36.88	7		A							
36.88	40.00	82		A							
40.00	42.00	41		A		45					

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-19

FROM	TO	Arg	Sil	Serc	GEOCHEMICAL SAMPLES Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
42.00	44.00									
44.00	46.19									
46.19	47.27									

FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	GEOTECHNICAL SAMPLES Bdg	Struc	Color	Sulph %	QuartzClrCode %
42.00	44.00	57		A		45					
44.00	46.19	55		A							
46.19	47.27	59		A							

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-20
Grid System : ORIGINAL
Collar Eastings : 20862.000
Collar Northings : 20004.800
Collar Elevations : 1063.960
Collar Bearing : 362.00
Grid Baseline : 66.00

Collar Inclination : -45.00
Grid Bearing : 156.00
Final Depth : 26.82
Claim No. :

Logged by : LENA K. BROMMELAND
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size : H

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.43	CASING	Casing.									
2.43	18.59	INT	Limonitic quartz rich porphyritic intrusive with clay altered feldspar phenocrysts.	15171	2.43	2.60	0.17	1220.	1147.	55.	4700.	0.3
				15172	2.60	4.00	1.40	1560.	1584.	350.	3800.	0.3
				15173	4.00	6.00	2.00	5700.	2307.	2397.	3900.	0.8
			Note: @ 3.0 m; core) qtz vein = 5 deg. @ 3.9 m; core) qtz vein = 25 deg.									
5.00	5.25		Stibnite with antimony ochre and quartz stockwork present. Intrusive is extremely altered.	15174	6.00	8.00	2.00	5040.	1337.	2217.	3300.	0.6
				15175	8.00	10.00	2.00	530.	1376.	1270.	3000.	0.7
				15176	10.00	12.00	2.00	17700.	7868.	55.	6100.	4.1
			Note: @ 6.7 m; Stibnite pod - core very broken up here.									
11.43	12.00		Intrusive extremely bleached; blue with orange oxidation rind.									
12.00	16.00		Extremely stockworked area. Contains abundant vugs and yellow feldspar phenocrysts. Bleached blue with orange oxidation rind. Core) vein = 20 - 60 degrees.	15177	12.00	14.00	2.00	8860.	5609.	73.	4200.	2.2
				15178	14.00	16.00	2.00	13090.	6734.	114.	5800.	3.0
16.00	18.00		Extremely quartz stockworked with abundant vuggs. Contains pods of stibnite and bleached blue sections.	15179	16.00	18.00	2.00	15800.	6753.	467.	6200.	3.2
				15180	18.00	18.59	0.59	24900.	5943.	63.	8400.	4.8
18.59	25.60	ARG	Black cherty argillite with white quartz stockwork.									
18.59	21.03		No recovery	15181	18.59	24.69	6.10	320.	405.	27.	3800.	2.5
21.03	21.34		Blue-grey clay with black argillite chips.									
22.25	23.47		Very broken up black argillite with green staining.									
23.47	24.69		Broken up argillite.									
24.69	25.60		Band of very altered rusty orange intrusive? Actual length in box is 15 cm.	15182	24.69	26.82	2.13	101.	445.	61.	5200.	0.2
25.60	26.82	BARITE	Bedded grey/white barite.									

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-20
Grid System : ORIGINAL
Collar Eastings : 20862.000
Collar Northings : 20004.800
Collar Elevations : 1063.960
Collar Bearing : 362.00
Grid Baseline : 66.00

Collar Inclination : -45.00
Grid Bearing : 156.00
Final Depth : 26.82
Claim No. :

Logged by : LENA K. BROMMELAND
Date : -
Downhole Survey :
Drilled by : CARON DIAMOND DRILL
Core Size : H

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sx %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.43	2.60	3					2	2			2.43	2.60	50		A								
2.60	4.00	2.5					2	5		2	2.60	4.00	40		A								
4.00	6.00	3					3	5-10		2	4.00	6.00	48		A								
6.00	8.00	3					2.5	5-10		2	6.00	8.00	48		A								
8.00	10.00	3					2	5-10		1	8.00	10.00	35		A								
10.00	12.00	3					3	5-10		3	10.00	12.00	76		A								
12.00	14.00	3					3	5-10		4	12.00	14.00	93		B								
14.00	16.00	3					3	10-15		4	14.00	16.00	70		A								
16.00	18.00	3					3	5-10		4	16.00	18.00	68		A								
18.00	18.59	3					3	5-10		2	18.00	18.59	25		A								
18.59	24.69	3					3				18.59	24.69	6		A								
24.69	26.82	3					3				24.69	26.82	23		A								

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-21
Grid System : ORIGINAL
Collar Eastings : 21759.620
Collar Northings : 19746.130
Collar Elevations : 964.700
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.23
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size : HQ

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	3.00	CASING	Casing.									
3.00	13.00	F*INT	Brown to greenish/grey, biotite rich intrusive. Abundant white, clay altered, feldspar phenocrysts.	015183	3.00	4.00	1.00	140.	496.	203.	6400.	0.2
				015184	4.00	6.00	2.00	13.	216.	87.	7300.	0.1
				015185	6.00	8.00	2.00	53.	709.	225.	4900.	0.2
				015186	8.00	10.00	2.00	10.	176.	106.	6200.	0.1
				015187	10.00	12.00	2.00	19.	259.	147.	3800.	0.1
				015188	12.00	14.00	2.00	6.	205.	123.	7800.	0.2
13.00	38.00	INT	Limonitic quartz rich altered porphyritic intrusive with abundant fine quartz stockwork. Less oxidized sections are blue/grey.									
13.00	15.00		Intense manganese oxide staining on fracture surfaces.	015189	14.00	16.00	2.00	11.	520.	304.	8300.	1.1
				015190	16.00	18.00	2.00	55.	741.	265.	5400.	0.9
				015191	18.00	20.00	2.00	6.	308.	114.	10800.	0.4
				015192	20.00	22.00	2.00	130.	838.	439.	4800.	1.3
				015193	22.00	24.00	2.00	1130.	1630.	377.	18000.	1.2
				015194	24.00	26.00	2.00	2360.	1433.	2909.	14000.	1.4
25.00	26.50		Numerous small stibnite and quartz veins (0.3 to 0.5 cm wide).	015195	26.00	28.00	2.00	1630.	1652.	1053.	6300.	0.9
				015196	28.00	30.00	2.00	5780.	2105.	358.	10400.	1.7
				015197	30.00	32.00	2.00	750.	1207.	79.	10600.	0.8
				015198	32.00	34.00	2.00	210.	328.	324.	3500.	0.3
				015199	34.00	36.00	2.00	81.	266.	133.	3600.	0.4
36.00	38.00		Minor argillite clasts incorporated in the intrusive matrix.	015200	36.00	38.00	2.00	150.	472.	35.	10200.	0.4
38.00	40.23	ARG	Black graphitic argillite.	015201	38.00	40.23	2.23	38.	689.	13.	2100.	0.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-21
Grid System : ORIGINAL
Collar Eastings : 21759.620
Collar Northings : 19746.130
Collar Elevations : 964.700
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.23
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size : HQ

GEOCHEMICAL SAMPLES

FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
3.00	4.00	2					1	1-3	1	
4.00	6.00	2					1	1-3	1	
6.00	8.00	2					1	1-3	1	
8.00	10.00	2					1	1-3	1	
10.00	12.00	2					1	1-3	1	
12.00	14.00	3					2.5-3	3-5	2	
14.00	16.00	3					2.5-3	3-5	2	
16.00	18.00	3					2.5-3	3-5	2	
18.00	20.00	2					2.5-3	3-5	3	TR
20.00	22.00	3					2.5-3	3-5	3	TR
22.00	24.00	3			1		2.5-3	3-5	3	TR
24.00	26.00	3			1		2.5-3	3-5	3	1
26.00	28.00	3			1		2.5-3	3-5	3	1
28.00	30.00	3			1		2.5-3	3-5	3	TR
30.00	32.00	2					2.5-3	3-5	3	TR
32.00	34.00	3					2.5-3	3-5	3	TR
34.00	36.00	3					2.5-3	3-5	3	
36.00	38.00	3					2.5-3	3-5	1.5	
38.00	40.23							3-5	1.5	

GEOTECHNICAL SAMPLES

FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
3.00	4.00	5		A							
4.00	6.00	3		A							
6.00	8.00	25		A							
8.00	10.00	75		B							
10.00	12.00	80		C							
12.00	14.00	90		C							
14.00	16.00	65		A							
16.00	18.00	65		A							
18.00	20.00	75		B							
20.00	22.00	50		A							
22.00	24.00	60		A							
24.00	26.00	80		B							
26.00	28.00	80		A		40					
28.00	30.00	70		A							
30.00	32.00	40		A							
32.00	34.00	50		B							
34.00	36.00	30		A							
36.00	38.00	40		A							
38.00	40.23	50		A							

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PAGE : 1

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-22
Grid System : ORIGINAL
Collar Eastings : 20104.000
Collar Northings : 20017.000
Collar Elevations : 938.820
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 22.86
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size : HQ

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.44	CASING	Casing.									
2.44	14.60	INT	Limonitic, quartz rich, porphyritic intrusive. Abundant fine quartz stock-work and MnO2 staining.	015202	2.44	4.00	1.56	2290.	949.	410.	1300.	0.6
				015203	4.00	6.00	2.00	4910.	1615.	1142.	1600.	0.9
				015204	6.00	8.00	2.00	1900.	1437.	546.	1500.	0.9
				015205	8.00	10.00	2.00	790.	913.	538.	1400.	0.9
				015206	10.00	12.00	2.00	940.	708.	495.	1600.	2.7
				015207	12.00	14.40	2.40	1060.	493.	5801.	1500.	2.3
11.90	12.19		Highly fractured argillite.	015208	14.40	16.00	1.60	240.	276.	416.	4900.	4.0
12.19	13.41		NO RECOVERY									
14.60	18.30	ARG	Soft, black/brown argillite and mudstone.	015209	16.00	18.30	2.30	97.	137.	199.	3300.	2.9
18.30	19.60	INT	Orange-brown, fine grained, quartz rich intrusive.	015210	18.30	19.60	1.30	58.	113.	136.	720.	1.0
19.60	20.70	ARG	Soft, black/brown argillite and mudstone.	015211	19.60	20.70	1.10	46.	66.	67.	1200.	1.1
20.70	21.40	INT	Orange-brown, fine grained, quartz rich intrusive.	015212	20.70	21.40	0.70	45.	54.	42.	830.	1.8
21.40	22.86	ARG	Soft, black/brown argillite and mudstone.	015213	21.40	22.86	1.46	17.	54.	57.	1100.	0.6

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-22
Grid System : ORIGINAL
Collar Eastings : 20104.000
Collar Northings : 20017.000
Collar Elevations : 938.820
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 22.86
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size : HQ

GEOCHEMICAL SAMPLES

FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.44	4.00	2					3	3-5		2.5
4.00	6.00	2					3	3-5		2.5
6.00	8.00	2					3	3-5		2.5
8.00	10.00	2					3	3-5		2.5
10.00	12.00	2					3	3-5		2.5
12.00	14.60	2					3	3-5		2.5
14.60	16.00									
16.00	18.30									
18.30	19.60	1.5					2.5	3		2.5
19.60	20.70									
20.70	21.40	1.5					2.5	3		2.5
21.40	22.86									

GEOTECHNICAL SAMPLES

FROM	TO	Recovery %	Lim %	Breakage	Sr %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.44	4.00	10		A							
4.00	6.00	40		A							
6.00	8.00	50		A							
8.00	10.00	65		A							
10.00	12.00	40		A							
12.00	14.40	30		A							
14.40	16.00	25		A							
16.00	18.30	30		A							
18.30	19.60	20		A							
19.60	20.70	50		A							
20.70	21.40	20		A							
21.40	22.86	50		A							

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PAGE : 1

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-23
Grid System : ORIGINAL
Collar Eastings : 19996.800
Collar Northings : 20024.200
Collar Elevations : 909.220
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 37.19
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size : HQ

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.44	CASING	Casing.									
2.44	25.60	INT	Limonitic, quartz rich, porphyritic intrusive. Abundant white/yellow, clay altered, feldspar phenocrysts. Fine quartz stockwork and MnO2 staining on fracture surfaces.	015214	2.44	4.00	1.56					
				015215	4.00	6.00	2.00					
				015216	6.00	8.00	2.00					
				015217	8.00	10.00	2.00					
				015218	10.00	12.00	2.00	170.	804.	227.	1600.	0.1
				015219	12.00	14.00	2.00	150.	859.	223.	3500.	0.1
				015220	14.00	16.00	2.00	25.	210.	136.	2600.	0.3
14.60	25.60		Quartz eyes in the limonitic matrix. Decrease in the argillic alteration.	015221	16.00	18.00	2.00	21.	56.	60.	1800.	0.6
				015222	18.00	20.00	2.00	78.	179.	129.	3600.	2.0
				015223	20.00	22.00	2.00	49.	208.	100.	1900.	0.5
				015224	22.80	24.00	2.00	49.	107.	61.	2000.	0.7
				015225	24.00	26.00	2.00	180.	586.	77.	1500.	0.3
25.60	32.70	ARG	Black graphitic argillite.									
25.60	26.52		NO RECOVERY.	015226	26.00	28.00	2.00	26.	98.	26.	3800.	1.0
				015227	28.00	30.00	2.00	670.	485.	124.	12000.	2.4
28.19	28.65		NO RECOVERY.									
29.87	30.00		Minor limonitic intrusive.	015228	30.00	32.70	2.70	18.	120.	24.	14600.	2.5
32.70	36.10	INT	Limonitic, quartz rich intrusive. High limonite and MnO2 content.	015229	32.70	34.00	1.30	74.	376.	50.	6800.	0.1
				015230	34.00	36.10	2.10	14.	189.	24.	6200.	0.1
36.10	37.19	ARG	Black graphitic argillite, fine white quartz stockwork.	015231	36.10	37.19	1.09	4.	66.	19.	6300.	1.7

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-23
Grid System : ORIGINAL
Collar Eastings : 19996.000
Collar Northings : 20024.280
Collar Elevations : 909.220
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 37.19
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size : EQ

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES									
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.44	4.00	2.5					2	3	1.5		2.44	4.00	60		A							
4.00	6.00	2.5					2	3	1.5		4.00	6.00	85		A							
6.00	8.00	2.5					2	5	1.5		6.00	8.00	85		A							
8.00	10.00	2.5					2	15	1.5		8.00	10.00	75		A							
10.00	12.00	2.5					2	10	1.5		10.00	12.00	55		A							
12.00	14.00	2.5					2	10	1.5		12.00	14.00	85		A							
14.00	16.00	1.5					2	10	1		14.00	16.00	85		A							
16.00	18.00	1.5					2	5	1		16.00	18.00	85		A							
18.00	20.00	1.5					2	3	1		18.00	20.00	70		A							
20.00	22.00	1.5					2	3	1		20.00	22.00	75		A							
22.00	24.00	1.5					2	3	1		22.00	24.00	65		A							
24.00	26.00	1.5					2	3	1		24.00	26.00	30		A							
26.00	28.00										26.00	28.00	35		A							
28.00	30.00										28.00	30.00	30		A							
30.00	32.70										30.00	32.70	70		A							
32.70	34.00	1.5					2	15	1		32.70	34.00	30		A							
34.00	36.10	1.5					2	15	1		34.00	36.10	60		A							
36.10	37.19										36.10	37.19	50		A							

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREMNER CREEK
HOLE No. : BCDDH 90-24
Grid System : ORIGINAL
Collar Eastings : 19657.430
Collar Northings : 19811.540
Collar Elevations : 780.180
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 42.98
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size : HQ

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	3.66	CASING	Casing.									
3.66	4.50	INT	Limonitic, quartz rich intrusive with minor stibnite.	015232	3.66	4.50	0.84	1260.	915.	8639.	2800.	3.4
4.50	10.06	ARG	Black graphitic argillite, texture of coarse mud.	015233	4.50	6.00	1.50	12.	197.	106.	2100.	0.7
				015234	6.00	8.23	2.23	4.	66.	29.	2800.	0.3
8.23	10.06		NO RECOVERY.									
10.06	12.50	ARG	Black graphitic argillite.	015235	10.06	11.89	1.83	65.	103.	244.	3600.	1.0
11.89	12.50		NO RECOVERY.									
12.50	13.72	INT	Limonitic quartz rich intrusive.	015236	12.50	13.72	1.22	520.	3050.	544.	2500.	0.6
13.72	20.88	ARG	Black graphitic argillite.	015237	13.72	15.24	1.52	17.	143.	137.	4800.	1.1
15.24	16.76		NO RECOVERY.	015238	16.76	20.88	4.12	53.	161.	204.	4500.	0.7
20.88	34.55	QFP	Light blue/grey quartz feldspar porphyritic intrusive. Limonitic in sections wid disseminated pyrite.	015239	20.88	22.00	1.12	650.	2017.	152.	1900.	0.4
				015240	22.00	24.00	2.00	590.	1110.	104.	1600.	0.5
				015241	24.00	26.00	2.00	5830.	4720.	158.	2400.	1.5
				015242	26.00	27.55	1.55	4010.	3919.	187.	1900.	1.1
27.55	27.60		Veins of grey/blue sulphide (stibnite, pyrite +- graphite?).	015243	27.55	27.60	0.05	8090.	8930.	203.	2600.	2.0
28.10	28.20		Veins of grey/blue sulphide (stibnite, pyrite +- graphite?).	015244	27.60	28.55	0.95	3320.	4631.	136.	2700.	1.2
28.55	28.70		Veins of grey/blue sulphide (stibnite, pyrite +- graphite?).	015245	28.55	28.70	0.15	2630.	1194.	21207.	2400.	3.8
				015246	28.70	30.00	1.30	590.	1716.	71.	2200.	0.5
				015247	30.00	32.00	2.00	2290.	6660.	71.	1800.	0.8
31.50	31.80		Veins of grey/blue sulphide (stibnite, pyrite +- graphite?).	015248	32.00	33.20	1.20	1830.	3823.	105.	1600.	1.1
33.20	33.60		Veins of grey/blue sulphide (stibnite, pyrite +- graphite?).	015249	33.20	33.60	0.40	910.	2.	38015.	3300.	12.7
				015250	33.60	34.30	0.70	1220.	2007.	19291.	2300.	2.4
34.30	34.55		Veins of grey/blue sulphide (stibnite, pyrite +- graphite?).	015251	34.30	34.55	0.25	1310.	20.	28383.	2400.	9.5

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCDDE 90-24

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
34.55	36.30	ARG	Black graphitic argillite.	015252	34.55	36.30	1.75	79.	79.	6070.	5600.	3.5
36.30	39.33	QFP	White/grey quartz feldspar porphyritic intrusive.	015253	36.30	38.00	1.70	10.	102.	895.	4100.	0.4
				015254	38.00	39.33	1.33	41.	130.	202.	2800.	0.2
39.33	42.98	ARG	Black graphitic argillite, very little recovery.									

[illegible] EXPLORATIONS [illegible] LTD.
DIAMOND DRILL LOG

PAGE [illegible]

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-24
Grid System : ORIGINAL
Collar Eastings : 19c57.4.[illegible]
Collar Northings : 19d3.5[illegible]
Collar Elevations : 7[illegible]
Collar Bearing : 999.9
Grid Base.ine : 66[illegible]

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 42.98
Claim No. :

Logged by : GREG GILLSTROM
Date : *
Downhole Survey :
Drilled by : CARON DIAMOND DRILL
Core Size : BQ

FROM	TO	Arg	Sil	Serc	GEOCHEMICAL SAMPLES Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
3.66	4.50	2.5				3	3			1
4.50	6.00									
6.00	8.23									
8.23	10.06									
10.06	11.89									
11.89	12.50									
12.50	13.72	2.5				2.5	3-5			TR
13.72	15.24									
15.24	16.76									
16.76	20.88									
20.88	22.00	1.5				1				1-2
22.00	24.00	1.5				1				1-2
24.00	26.00	1.5				[illegible]	1			1-2
26.00	27.55	1.5				[illegible]	[illegible]			1-2
27.55	27.60	1.5				1	1			1-2
27.60	28.55	1.5				1				1-2
28.55	28.70	1.5				1				5
28.70	30.00	1.5				1				1
30.00	32.00	1.5				1				1
32.00	33.20	1.5				1				1
33.20	33.60	1.5				1				20
33.60	34.30	1.5				1				2
34.30	34.55	1.5				1				10
34.55	36.30									
36.30	38.00	1.5				0.5				
38.00	39.33	1.5				0.5				
39.33	42.98									

FROM	TO	Recovery %	Lim %	Breakage	Sa %	Veins %	GEOTECHNICAL SAMPLES Bdg	Struc	Color	Sulph %	QuartzCarbCode %
3.66	4.50	15		A							
4.50	6.00	50		A							
6.00	8.23	45		A							
8.23	10.06	0									
10.06	11.89	20		A							
11.89	12.50	0									
12.50	13.72	75		B							
13.72	15.24	10		A							
15.24	16.76	0									
16.76	20.88	25		A							
20.88	22.00	65		A							
22.00	24.00	60		A							
24.00	26.00	80		A							
26.00	27.55	60		A							
27.55	27.60	100		A							
27.60	28.55	90		A							
28.55	28.70	20		A							
28.70	30.00	85		A							
30.00	32.00	70		A							
32.00	33.20	80		A							
33.20	33.60	75		A							
33.60	34.30	50		A							
34.30	34.55	60		A							
34.55	36.30	45		A							
36.30	38.00	30		A							
38.00	39.33	40		A							
39.33	42.98	1		A							

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PAGE : 1

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-25
Grid System : GRID'SE
Collar Eastings : 19645.00
Collar Northings : 19700.70
Collar Elevations : 770.20
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 43.26
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARSO DIAMOND DRILL
Core Size : HQ

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au PPB	As PPM	Sb PPM	Hg PPB	Ag PPM
0.00	3.66	CASING	Casing.									
3.66	6.25	OVERBU	Overburden: intrusive, argillite and mudstone.	015255	3.66	6.25	2.59	190.	770.	1050.	1600.	0.4
6.25	15.30	INT	Rusty brown, limonitic, quartz rich, porphyritic intrusive. Abundant fine quartz and stibnite veining. Yellow/white, clay altered, feldspar phenocrysts.	015256	6.25	8.00	1.75	930.	2300.	690.	2300.	0.4
				015257	8.00	10.00	2.00	230.	950.	940.	2100.	0.3
				015258	10.00	12.00	2.00	1560.	3395.	1630.	2000.	0.6
				015259	12.00	14.00	2.00	2130.	3740.	16196.	1500.	0.8
				015260	14.00	15.30	1.30	1740.	2550.	6062.	1800.	0.9
15.30	19.15	ARG	Soft, black graphitic argillite.	015261	15.30	17.00	1.70	200.	57.	5755.	5800.	13.0
				015262	17.00	19.15	2.15	220.	640.	270.	12600.	6.4
19.15	25.30	INT	Limonitic, quartz rich intrusive. Abundant fine quartz and stibnite veining. Intrusive is blue/grey (unoxidized) in small sections.	015263	19.15	20.00	0.85	360.	695.	2865.	3000.	0.9
				015264	20.00	22.00	2.00	990.	670.	1745.	2200.	1.0
				015265	22.00	24.00	2.00	1015.	1575.	1565.	1300.	1.8
				015266	24.00	25.30	1.30	15.	405.	14850.	2000.	1.0
25.30	34.30	ARG	Black graphitic argillite.	015267	25.30	26.00	0.70	1040.	347.	24.	2800.	1.9
				015268	26.00	28.00	2.00	30.	55.	58.	2100.	0.5
				015269	28.00	30.00	2.00	32.	45.	57.	2000.	0.3
				015270	30.00	32.00	2.00	4.	35.	108.	2700.	0.5
				015271	32.00	34.30	2.30	110.	157.	76.	3600.	1.7
34.30	39.00	QPP	Grey/blue, quartz/feldspar, porphyritic intrusive.	015272	34.30	36.00	1.70	430.	605.	42.	3300.	0.8
35.00	36.00		Minor small quartz and stibnite veins, which are < 1 cm wide.	015273	36.00	38.00	2.00	1560.	2610.	42.	2100.	1.0
				015274	38.00	39.00	1.00	480.	362.	32.	2500.	0.8
39.00	39.85	ARG	Black graphitic argillite.	015275	39.00	39.85	0.85	220.	88.	37.	3800.	2.9
39.85	42.62	QPP	Grey, quartz and feldspar porphyritic intrusive.	015276	39.85	42.62	2.77	210.	302.	53.	1800.	0.9
42.62	43.26	ARG	Black graphitic argillite.	015277	42.62	43.26	0.66	51.	49.	33.	2300.	1.2

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-25
Grid System : ORIGINAL
Collar Eastings : 19649.330
Collar Northings : 19788.710
Collar Elevations : 776.810
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 48.31
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size : HQ

FROM	TO	Arg	Sil	Serc	GEOCHEMICAL SAMPLES Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
3.66	6.25									
6.25	8.00	2.5				3	5	3		1-3
8.00	10.00	2.5				3	5	3		1-3
10.00	12.00	2.5				3	5	3		1-3
12.00	14.00	2.5				3	5	3		1-3
14.00	15.30	2.5				3	5	3		1-3
15.30	17.00									
17.00	19.15									
19.15	20.00	2.5				3	3	3		1
20.00	22.00	2.5				3	3	3		1
22.00	24.00	2.5				3	3	3		1
24.00	25.30	2.5				3	3	3		1
25.30	26.00									
26.00	28.00									
28.00	30.00									
30.00	32.00									
32.00	34.30									
34.30	36.00	1				2		2		TR-1
36.00	38.00	1				2		2		TR-1
38.00	39.00	1				2		1		TR-1
39.00	39.85									
39.85	42.62	1				1		1		
42.62	43.28									
43.28	45.43	2				1		1		
45.43	46.00									
46.00	48.31									

FROM	TO	Recovery %	Lim %	Breakage	GEOTECHNICAL SAMPLES Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
3.66	6.25	75		A							
6.25	8.00	35		A							
8.00	10.00	65		A							
10.00	12.00	70		A							
12.00	14.00	65		A							
14.00	15.30	55		A							
15.30	17.00	55		A							
17.00	19.15	60		A							
19.15	20.00	35		A							
20.00	22.00	55		A							
22.00	24.00	80		A							
24.00	25.30	60		A							
25.30	26.00	70		A							
26.00	28.00	65		A							
28.00	30.00	65		A							
30.00	32.00	70		A							
32.00	34.30	60		A							
34.30	36.00	60		A							
36.00	38.00	95		A							
38.00	39.00	50		B							
39.00	39.85	50		A							
39.85	42.62	90		A							
42.62	43.28	30		B							
43.28	45.43	90		A							
45.43	46.00	70		A							
46.00	48.31	65		A							

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCDDH 90-25

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
43.28	45.43	QFP	Grey, quartz, feldspar porphyritic intrusive.	015278	43.28	45.43	2.15	3280.	4244.	69.	2208.	1.5
45.43	48.31	ARG	Black, graphitic argillite.	015279	45.43	46.00	0.57	200.	154.	84.	4100.	3.7
				015280	46.00	48.31	2.31	270.	199.	4061.	2300.	2.9

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PAGE : 1

PROPERTY : BREWERY CREEK
HOLE No. : BCPQ 90-1
Grid System : ORIGINAL
Collar Eastings : 20968.780
Collar Northings : 19981.140
Collar Elevations : 1060.330
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 36.88
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size : PQ

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.74	CASING	Casing.									
2.74	15.60	INT	Altered limonitic porphyritic intrusive. Abundant fine quartz stockwork. Manganese oxide staining on fracture surfaces.									
15.60	17.98	ARG	Black graphitic argillite.									
17.98	19.20	NOREC	NOTE: NO RECOVERY.									
19.20	22.00	MUDST	Grey mudstone/shale.									
22.00	24.70	INT	Altered limonitic porphyritic intrusive. Abundant fine quartz stockwork. Manganese oxide on fracture surfaces.									
23.47	24.69		NOTE: NO RECOVERY.									
24.70	36.88	MUDST	Soft grey/brwon mudstone, highly fractured and grades into black graphitic argillite.									
28.35	29.57		NOTE: NO RECOVERY.									

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCPQ 90-1
Grid System : ORIGINAL
Collar Eastings : 20968.780
Collar Northings : 19981.140
Collar Elevations : 1060.330
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 36.88
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size : PQ

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.74	4.00	2					2.5	3-10	2-3		2.74	4.00	70		A							
4.00	6.00	2					2.5	3-10	2-3		4.00	6.00	85		A							
6.00	8.00	2					2.5	3-10	2-3		6.00	8.00	80		A							
8.00	10.00	2					2.5	3-10	2-3		8.00	10.00	90		B							
10.00	12.00	2					2.5	3-10	2-3		10.00	12.00	60		B							
12.00	14.00	2					2.5	3-10	2-3		12.00	14.00	35		B							
14.00	16.00										14.00	16.00	65		A							
16.00	18.00										16.00	18.00	50		B							
18.00	20.00										18.00	20.00	15		A							
20.00	22.00										20.00	22.00	35		D							
22.00	24.00	2					2.5	3-10			22.00	24.00	10		A							
24.00	26.00										24.00	26.00	55		C							
26.00	28.00										26.00	28.00	30		A							
28.00	30.00										28.00	30.00	10		A							
30.00	32.00										30.00	32.00	30		A							
32.00	34.00										32.00	34.00	50		A							
34.00	36.88										34.00	36.88	95		B							

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCPQ 90-2
Grid System : ORIGINAL
Collar Eastings : 21651.320
Collar Northings : 19759.150
Collar Elevations : 974.510
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 46.02
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size : PQ

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.44	CASING	Casing.									
2.44	4.90	F*INT	Oxidized biotite/feldspar porphyritic intrusive.									
4.90	5.50	ARG	Black, highly fractured argillite.									
5.50	24.50	F*INT	Limonitic biotite feldspar porphyritic intrusive. Abundant manganese oxide staining.									
18.00	22.50		Highly fractured and altered with high limonite content.									
22.50	24.50		Competant. Blue grey in colour.									
24.50	35.05	INT	Quartz rich intrusive. Highly altered with abundant quartz stockwork every few meters alternating with blue/grey unoxidized intrusive.									
32.00	35.05		Highly fracutred and limonitic intrusive. NOTE: at 32.61-35.05m; NO RECOVERY.									
35.05	39.50	QFP	Blue/grey quartz feldspar porphyritic intrusive. Highly clay altered with abundant veining.									
39.50	43.00	ARG	Black graphitic argillite.									
43.00	45.50	QFP	Grey altered intrusive.									
45.50	46.02	ARG	Black graphitic argillite.									

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCPQ 90-2
Grid System : ORIGINAL
Collar Eastings : 21651.320
Collar Northings : 19759.150
Collar Elevations : 974.510
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 46.02
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size : PQ

FROM	TO	Arg	Sil	Serc	GEOCHEMICAL SAMPLES Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.44	4.00	1.5					1	1-3		
4.00	6.00	1.5					1	1-3		
6.00	8.00	1.5					1	1-3		
8.00	10.00	1.5					1	1-3		
10.00	12.00	1.5					2.5	3-5		
12.00	14.00	1.5					2.5	3-5		
14.00	16.00	1.5					2.5	3-5		
16.00	18.00	1.5					2.5	3-5		
18.00	20.00	1.5					2.5	3-5		
20.00	22.00	1.5					2.5	3-5		
22.00	24.00	1.5					1.5	3-5		TR
24.00	26.00	2					1-2	3-5		TR
26.00	28.00	2					1-2	3-5		TR
28.00	30.00	2					1-2	3-5		TR
30.00	32.00	2					1-2	3-5		TR
32.00	34.00	2					3	5-10		TR
34.00	36.00	3					3	1-3		TR
36.00	38.00	3					2	1-3		TR
38.00	40.00	3					2	1-3		
40.00	42.00									
42.00	44.00	1.5								TR
44.00	46.02									

FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	GEOTECHNICAL SAMPLES Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.44	4.00	75		A							
4.00	6.00	65		A		60					
6.00	8.00	67		C							
8.00	10.00	75		A							
10.00	12.00	80		A							
12.00	14.00	85		A							
14.00	16.00	95		A							
16.00	18.00	50		A							
18.00	20.00	60		A							
20.00	22.00	75		A							
22.00	24.00	85		B							
24.00	26.00	95		D							
26.00	28.00	75		B							
28.00	30.00	90		C							
30.00	32.00	90		D							
32.00	34.00	15		A							
34.00	36.00	40		A							
36.00	38.00	50		A							
38.00	40.00	70		C							
40.00	42.00	45		A							
42.00	44.00	55		B							
44.00	46.02	90		C							

BORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCPQ 90-3
Grid System : ORIGINAL
Collar Eastings : 21656.400
Collar Northings : 19845.080
Collar Elevations : 1002.050
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 39.32
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size : PQ

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.13	CASING	Casing.									
2.13	36.50	INT	Limonitic, quartz rich, intrusive. Varies from competant (blue-grey) phyllically altered intrusive to decomposed (rusty brown) limonite and quartz rich intrusive. Abundant quartz veining in both end members.									
18.00	22.00		Abundant quartz veining with minor stibnite veining.									
24.00	28.50		Abundant black biotite in limonite matrix.									
30.00	32.00		Intense clay alteration.									
32.00	36.00		Abundant quartz veining. Note: at 33.22-33.83m; NO RECOVERY.									
36.50	37.50	ARG	Black graphitic argillite which has the texture of tar. 40 degree core to bedding angle contact with the intrusive.									
37.50	39.32	QFP	Blue-grey quartz feldspar porphyry intrusive.									

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMNER CREEK
HOLE No. : BCPQ 90-3
Grid System : ORIGINAL
Collar Eastings : 21656.400
Collar Northings : 19845.880
Collar Elevations : 1002.050
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 39.32
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size : PQ

GEOCHEMICAL SAMPLES

FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.13	4.00	2.5					2.5	3-5	2.5	
4.00	6.00	2.5					2.5	3-5	2.5	
6.00	8.00	2.5					2.5	3-5	2.5	
8.00	10.00	2.5					2.5	3-5	2.5	
10.00	12.00	2					2.5	3-5	2.5	
12.00	14.00	2					2.5	3-5	2.5	
14.00	16.00	2					2	3-5	2.5	
16.00	18.00	2					2	3-5	2.5	
18.00	20.00	3					3	3-5	3.5	TR
20.00	22.00	3					3	3-5	2	TR
22.00	24.00	2.5					2	3-5	2	TR
24.00	26.00	1					1	3-5	1	
26.00	28.00	1					1	3-5	1	
28.00	30.00	1					2	3-5	2	
30.00	32.00	3					2	3-5	2	
32.00	34.00	2					3	3-5	2	
34.00	36.00	2					3	3-5	3.5	TR
36.00	38.00	2								
38.00	39.32	1					1	1	1	

GEOTECHNICAL SAMPLES

FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.13	4.00	95		A							
4.00	6.00	95		A							
6.00	8.00	60		A							
8.00	10.00	80		A							
10.00	12.00	80		A							
12.00	14.00	80		A							
14.00	16.00	95		C							
16.00	18.00	80		C							
18.00	20.00	60		A							
20.00	22.00	80		A							
22.00	24.00	75		A							
24.00	26.00	95		B							
26.00	28.00	100		C							
28.00	30.00	70		C							
30.00	32.00	60		C							
32.00	34.00	30		A							
34.00	36.00	65		B							
36.00	38.00	70		B			40				
38.00	39.32	75		A							

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BRENNERY CREEK
HOLE No. : BCPQ 98-4
Grid System : ORIGINAL
Collar Eastings : 19660.660
Collar Northings : 19834.630
Collar Elevations : 787.660
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 36.58
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size : PQ

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.74	CASING	Casing.									
2.74	5.00	INT	Limonitic quartz rich intrusive with minor stibnite veining.									
5.00	13.70	ARG	Black graphitic argillite.									
7.92	13.70		NO RECOVERY.									
13.70	21.60	INT	Limonitic quartz rich intrusive. Abundant stibnite and quartz veining.									
21.60	25.00	ARG	Black graphitic argillite.									
25.00	29.57	INT	Limonitic quartz rich intrusive with abundant stibnite and quartz veining.									
29.57	32.22	ARG	Black graphitic argillite.									
29.57	32.00		NO RECOVERY.									
32.22	35.00	QFP	Light brown quartz feldspar porphyritic intrusive.									
35.00	36.58	ARG	Black argillite with fine white quartz stockwork.									

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCPQ 90-4
Grid System : ORIGINAL
Collar Eastings : 19660.660
Collar Northings : 19834.630
Collar Elevations : 787.660
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 36.58
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size : PQ

GEOCHEMICAL SAMPLES

FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.74	4.00	2.5				2	3	1	TR	
4.00	6.00									
6.00	8.00									
8.00	10.00									
10.00	12.00									
12.00	14.00	3				3	3-5	3.5	1-5	
14.00	16.00	3				3	3-5	3.5	1-5	
16.00	18.00	3				3	3-5	3.5	1-5	
18.00	20.00	3				3	3-5	3.5	1-5	
20.00	22.00									
22.00	24.00									
24.00	26.00	3				3	3	3	1-5	
26.00	28.00	3				3	3	3	1-5	
28.00	30.00	3				3	3	3	1-5	
30.00	32.00									
32.00	34.00									
34.00	36.58									

GEOTECHNICAL SAMPLES

FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.74	4.00	80		A								
4.00	6.00	30		C								
6.00	8.00	30		A								
8.00	10.00	0										
10.00	12.00	50		B								
12.00	14.00	70		C								
14.00	16.00	60		A								
16.00	18.00	40		C								
18.00	20.00	90		C								
20.00	22.00	90		A								
22.00	24.00	30		A								
24.00	26.00	40		A								
26.00	28.00	20		A								
28.00	30.00	40		A								
30.00	32.00	0										
32.00	34.00	10		A								
34.00	36.58	60		A								

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCPQ 90-5
Grid System : ORIGINAL
Collar Eastings : 18927.960
Collar Northings : 20850.510
Collar Elevations : 959.430
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 39.62
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size : PQ

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.44	CASING	Casing.									
2.44	33.80	INT	Light grey/blue quartz feldspar porphyritic intrusive. Limonitic in sections; abundant quartz eyes and veining with minor disseminated pyrite. Abundant white, clay altered feldspar phenocrysts. Stibnite veining at 25m, 26m, 31m, and 32.5m.									
2.44	10.00		Calcareous matrix. At 32.5m; 0.5 cm wide stibnite vein (core to vein ange of 15 degrees).									
33.80	36.20	ARG	Brecciated black argillite.									
36.20	38.00	QFP	Light grey quartz feldspar porphyry.									
38.00	39.62	ARG	Brecciated black argillite with abundant quartz, calcite and pyrite.									

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCPQ 98-5
Grid System : ORIGINAL
Collar Eastings : 18927.960
Collar Northings : 20850.510
Collar Elevations : 959.430
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 39.62
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size : PQ

FROM	TO	Arg	Sil	Serc	GEOCHEMICAL SAMPLES Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.44	4.00	2			1	2.5	5	1		
4.00	6.00	2			2	2.5	5	1		
6.00	8.00	2			2	2.5	5	1		
8.00	10.00	2			2	2.5	1-3	1		1
10.00	12.00	2			2	2.5	1-3	1		1
12.00	14.00	2			2	2.5	1-3	2.5		1
14.00	16.00	2			1	2.5	1-3	2.5		1
16.00	18.00	2			1	2.5	1-3	2.5		1
18.00	20.00	2				2.5	1-3	2.5		1
20.00	22.00	2				2.5	1-3	2.5		1
22.00	24.00	2				2.5	1-3	2.5		1
24.00	26.00	2				2.5	1-3	2.5		2
26.00	28.00	2				2.5	1-3	2.5		1
28.00	30.00	2				2.5	1-3	2.5		1
30.00	32.00	2				2.5	1-3	2.5		2
32.00	34.00									
34.00	36.00	2				2.5	1	1		TR
36.00	38.00	2				2.5	1	1		
38.00	39.62									

FROM	TO	Recovery %	Lim %	Breakage	Sx %	GEOTECHNICAL SAMPLES Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.44	4.00	72		A								
4.00	6.00	100		B								
6.00	8.00	70		B								
8.00	10.00	95		D								
10.00	12.00	85		C								
12.00	14.00	65		B								
14.00	16.00	90		C								
16.00	18.00	90		D								
18.00	20.00	95		C								
20.00	22.00	90		B								
22.00	24.00	90		D								
24.00	26.00	95		B								
26.00	28.00	65		A								
28.00	30.00	70		A								
30.00	32.00	85		B		15						
32.00	34.00	95		C								
34.00	36.00	100		D								
36.00	38.00	100		D								
38.00	39.62	100		D								

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90C-3B
Grid System : ORIGINAL
Collar Eastings : 0.000
Collar Northings : 0.000
Collar Elevations : 0.000
Collar Bearing : 182.00
Grid Baseline : 66.00

Collar Inclination : 0.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	30.00	INT	Limonitic porphyritic intrusive. Highly fractured with abundant white/yellow (clay altered) feldspar phenocrysts and fine quartz stockwork. Matrix is rich in limonite, sericite and quartz and varies in colour from dark brown to bleached pale white/green.									
8.00	14.00		Highly fractured and bleaches section. Small grey clay band runs horizontally between two highly altered sections (fault?).									
14.00	26.00		High limonite content in the matrix.									
26.00	30.00		Colour changes to light brown/white (decrease in limonite content).									
			NOTE: at 29.00-29.04m; 4 cm wide massive stibnite and quartz vein.									

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR98C-3B
Grid System : ORIGINAL
Collar Eastings : 0.000
Collar Northings : 0.000
Collar Elevations : 0.000
Collar Bearing : 182.00
Grid Baseline : 66.00

Collar Inclination : 0.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

PAGE : 1

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sr %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode

Hole No: BCTR98C-3B

HORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90G-10B
Grid System : ORIGINAL
Collar Eastings : 0.000
Collar Northings : 0.000
Collar Elevations : 0.000
Collar Bearing : 362.00
Grid Baseline : 66.00

Collar Inclination : 0.00
Grid Bearing : 156.00
Final Depth : 13.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	13.00	INT	Limonitic, porphyritic intrusive which is vertically fractured with abundant rusty quartz veining. Intrusive is highly altered with abundant white, clay altered, feldspar phenocrysts. Unweathered cores are bleached white/green, with fine quartz stockwork and minor disseminated stibnite.									
6.00	7.00		Massive stibnite and quartz vein.									
10.00	13.00		Highly fractured black argillite with abundant rusty quartz veining.									

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90G-10B
Grid System : ORIGINAL
Collar Eastings : 0.000
Collar Northings : 0.000
Collar Elevations : 0.000
Collar Bearing : 362.00
Grid Baseline : 66.00

Collar Inclination : 0.00
Grid Bearing : 156.00
Final Depth : 13.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREMNER CREEK
HOLE No. : BCTR90E-6B
Grid System : ORIGINAL
Collar Eastings : 0.000
Collar Northings : 0.000
Collar Elevations : 0.000
Collar Bearing : 190.00
Grid Baseline : 66.00

Collar Inclination : 0.00
Grid Bearing : 156.00
Final Depth : 27.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	ARG	Black graphitic argillite (sampled separately). 90/55 SW contact with intrusive.									
2.00	27.00	INT	Rusty brown, limonitic, porphyritic intrusive. Intrusive is highly altered with white, clay altered feldspar phenocrysts. Matrix is rich in limonite, sericite and quartz with abundant fine quartz stockwork. Cores of larger blocks are unoxidized, blue in colour and rich in quartz and sericite with minor pyrite.									
2.00	3.00		Intense fracturing and quartz veining, numerous slickensides on fracture faces.									
3.00	6.00		Hard, silicified section.									
16.00	17.00		Intrusive is bleached white in colour.									
21.00	23.00		Numerous small quartz and stibnite veins.									

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90X-6B
Grid System : ORIGINAL
Collar Eastings : 0.000
Collar Northings : 0.000
Collar Elevations : 0.000
Collar Bearing : 190.00
Grid Baseline : 66.00

Collar Inclination : 0.00
Grid Bearing : 156.00
Final Depth : 27.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREMNER CREEK
HOLE No. : BCTR90M-1B
Grid System : ORIGINAL
Collar Eastings : 0.000
Collar Northings : 0.000
Collar Elevations : 0.000
Collar Bearing : 154.00
Grid Baseline : 66.00

Collar Inclination : 0.00
Grid Bearing : 156.00
Final Depth : 15.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	15.00	INT	Rusty brown, limonitic, porphyritic intrusive. Intense vertical fracturing and abundant fine quartz stockwork present. Matrix is rich in limonite, sericite and quartz with white clay altered phenocrysts. Large blocks of intrusive have blue, quartz and pyrite rich, cores.									
2.00	2.10		Fault. 10 cm vertical band of black argillite									
5.00	9.00		Intrusive is stained deep red (hematite).									

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREMNER CREEK
HOLE No. : BCTR90M-1B
Grid System : ORIGINAL
Collar Eastings : 0.000
Collar Northings : 0.000
Collar Elevations : 0.000
Collar Bearing : 154.00
Grid Baseline : 66.00

Collar Inclination : 0.00
Grid Bearing : 156.00
Final Depth : 15.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND
Core Size :

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-15
Grid System : ORIGINAL
Collar Eastings : 19516.170
Collar Northings : 20175.010
Collar Elevations : 848.600
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 28.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	10.00	INT	Qtz rich limonitic, porphyritic intrusive	16251	0.00	2.00	2.00	310.	1014.	120.	3200.	0.8
			(QLPI). Washed split - 75-80% qtz.	16252	2.00	4.00	2.00	580.	870.	187.	2500.	1.2
4.00	6.00		Light brown to white. Strong to intense argillic alteration.	16253	4.00	6.00	2.00	350.	429.	551.	2300.	2.0
6.00	10.00		50% argillite.	16254	6.00	8.00	2.00	270.	376.	535.	3800.	1.4
				16255	8.00	10.00	2.00	220.	642.	281.	4600.	1.8
10.00	14.00	ARG	Dark black argillite. Minor qtz veining.	16256	10.00	12.00	2.00	106.	327.	210.	5700.	2.6
			25% qtz rich limonitic intrusive.	16257	12.00	14.00	2.00	19.	115.	100.	2700.	1.7
14.00	20.00	INT	Light grey qtz rich intrusive. Med grey	16258	14.00	16.00	2.00	44.	125.	125.	1400.	0.8
			qtz stockwork. 10-20% black argillite	16259	16.00	18.00	2.00	20.	151.	139.	2500.	0.3
			& minor limonitic intrusive.	16260	18.00	20.00	2.00	32.	144.	120.	1500.	0.4
20.00	22.00	ARG	Argillite; 30% limonitic intrusive.	16261	20.00	22.00	2.00	42.	153.	80.	1900.	0.6
22.00	24.00	INT	QLPI; 30% argillite.	16262	22.00	24.00	2.00	13.	63.	41.	1600.	0.4
24.00	26.00	ARG	Black argillite with hairline qtz	16263	24.00	26.00	2.00	6.	70.	31.	1300.	0.9
			stockwork veining. 20% limonitic intrusive									
26.00	28.00	INT	QLPI. 30% argillite.	16264	26.00	28.00	2.00	9.	55.	21.	1100.	0.3

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-15
Grid System : ORIGINAL
Collar Eastings : 19516.170
Collar Northings : 20175.010
Collar Elevations : 848.600
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 28.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
0.00	2.00	3					2	3-5														
2.00	4.00	3					2	3-5														
4.00	6.00	4					2	3-5														
6.00	8.00	3					2	3-5														
8.00	10.00	3					3	3-5														
10.00	12.00	1					2	1														
12.00	14.00	1					2	1														
14.00	16.00	2					3	1	2	TR												
16.00	18.00	2					3	1	2	TR												
18.00	20.00	2					3	1	2	TR												
20.00	22.00	1					2	1														
22.00	24.00	3					2	3-5														
24.00	26.00	2					3	TR	2													
26.00	28.00	3					2	3-5														

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PAGE : 1

PROPERTY : BREWERY
HOLE No. : BCRC 90-16
Grid System : ORIGINAL
Collar Eastings : 19547.200
Collar Northings : 20161.690
Collar Elevations : 852.000
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	8.00	INT	Qtz rich orange brown limonitic intrusive (QLI). 80-90% qtz chips in washed split.									
0.00	2.00		Darker orange -- hematite??	16276	0.00	2.00	2.00	890.	2180.	1377.	4900.	1.7
2.00	4.00		5% argillite.	16277	2.00	4.00	2.00	1060.	2119.	1284.	4300.	2.3
4.00	6.00		Darker orange brown colour.	16278	4.00	6.00	2.00	1480.	1747.	568.	3100.	1.7
				16279	6.00	8.00	2.00	1650.	1636.	596.	2500.	1.9
8.00	10.00	ARG	Dark grey to black argillite with 30% limonitic intrusive.	16280	8.00	10.00	2.00	1710.	774.	332.	4800.	3.0
10.00	20.00	INT	QLI. Mod - strongly altered feldspar	16281	10.00	12.00	2.00	76.	168.	232.	1500.	0.9
			phenocrysts. Clay rich.	16282	12.00	14.00	2.00	20.	214.	246.	800.	0.2
14.00	16.00		Darker orange brown (hematite). 5% argillite.	16283	14.00	16.00	2.00	50.	285.	331.	3300.	0.6
16.00	18.00		10% argillite.	16284	16.00	18.00	2.00	38.	156.	182.	1400.	0.5
18.00	20.00		Light orange brown, clay rich, strong argillic alteration.	16285	18.00	20.00	2.00	27.	176.	138.	1000.	0.2
20.00	26.00	ARG	Dark grey to black argillite with	16286	20.00	22.00	2.00	19.	131.	124.	1700.	2.0
			hairline qtz & calcite stockwork.	16287	22.00	24.00	2.00	9.	40.	33.	1600.	1.2
				16288	24.00	26.00	2.00	20.	55.	51.	4300.	2.2
26.00	30.00	INT	QLI with hairline qtz stockwork.	16289	26.00	28.00	2.00	9.	181.	26.	1050.	0.3
28.00	30.00		25% argillite.	16290	28.00	30.00	2.00	16.	114.	34.	2600.	0.5

INT 0 10 1358 1692 831 3146 2.1

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-16
Grid System : ORIGINAL
Collar Eastings : 19547.200
Collar Northings : 20161.690
Collar Elevations : 852.000
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	GEOTECHNICAL SAMPLES Reco-very %	Lim %	Break-age	Si %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
0.00	2.00	3					3.5	5		3													
2.00	4.00	3					3.5	5		3													
4.00	6.00	3					3.5	5		3													
6.00	8.00	3					3.5	5		3													
8.00	10.00							3		1													
10.00	12.00	2.5					3	3		1													
12.00	14.00	2.5					3	5		1													
14.00	16.00	2.5					3	5		1													
16.00	18.00	2.5					3	5		1													
18.00	20.00	2.5					3	5		1													
20.00	22.00				1			1		2													
22.00	24.00				2			1		2													
24.00	26.00				1			1		2													
26.00	28.00	2.5					3	3		1													
28.00	30.00	2.5					3	3		1													

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-17
Grid System : ORIGINAL
Collar Eastings : 19545.670
Collar Northings : 20138.690
Collar Elevations : 850.700
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : RICK DIMENT
Date : JUNE 26, 1990 - JUNE 28, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	18.00	INT	Qtz rich orange/brown limonitic intrusive with 5-20% white clay altered qtz rich int.	16301	0.00	2.00	2.00	1880.	3000.	1589.	4500.	1.3
2.00	4.00		15% argillite, 5% white clay altered int.	16302	2.00	4.00	2.00	2080.	3184.	727.	3900.	1.0
4.00	8.00		30% white clay altered bleached intrusive.	16303	4.00	6.00	2.00	1890.	5448.	1386.	4000.	0.7
				16304	6.00	8.00	2.00	2440.	3878.	1359.	6800.	1.3
8.00	10.00		Darker orange/brown -- limonite content	16305	8.00	10.00	2.00	1490.	4240.	1159.	7200.	2.0
			increases 20%. White clay altered qtz rich intrusive (8-18m).	16306	10.00	12.00	2.00	1370.	3658.	1122.	5400.	1.3
12.00	16.00		Darker orange/brown - more limonitic.	16307	12.00	14.00	2.00	3030.	3827.	755.	4900.	1.4
				16308	14.00	16.00	2.00	930.	2562.	832.	2900.	1.0
16.00	18.00		Large fragments of qtz - veins 1cm wide.	16309	16.00	18.00	2.00	680.	1564.	1278.	1600.	1.2
18.00	20.00	ARG	Dark grey to black argillite. 20% bleached qtz rich clay altered int.	16310	18.00	20.00	2.00	105.	319.	107.	4200.	0.7
20.00	30.00	INT	Qtz rich limonitic intrusive.									
20.00	22.00		30% black argillite & 30% bleached white qtz rich intrusive.	16311	20.00	22.00	2.00	41.	185.	83.	4800.	1.1
22.00	24.00		30% bleached white intrusive, 5% argillite	16312	22.00	24.00	2.00	31.	193.	190.	3500.	0.8
24.00	26.00		25% argillite, 5% bleached white intrusive	16313	24.00	26.00	2.00	29.	207.	72.	1200.	0.3
26.00	28.00		15% bleached white intrusive.	16314	26.00	28.00	2.00	24.	94.	41.	600.	0.1
28.00	30.00		50% " " ".	16315	28.00	30.00	2.00	13.	64.	27.	1100.	0.1

INT

0 18 1963 3685 1134 4578 11-2

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-17
Grid System : ORIGINAL
Collar Eastings : 19545.670
Collar Northings : 20138.690
Collar Elevations : 850.780
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : RICK DIMENT
Date : JUNE 26, 1990 - JUNE 28, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sr %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
0.00	2.00	3					3	5	1													
2.00	4.00	3					3	5	1													
4.00	6.00	3					3	5	1													
6.00	8.00	3					3	5	1													
8.00	10.00	3					3	7	1													
10.00	12.00	3					3	5	1													
12.00	14.00	3					3	5	1													
14.00	16.00	3					3	7	1													
16.00	18.00	3					3	7	3													
18.00	20.00						1															
20.00	22.00	3.5					3.5	3	2													
22.00	24.00	3.5					3.5	3	2													
24.00	26.00	3.5					3.5	3	2													
26.00	28.00	3.5					3.5	3	2													
28.00	30.00	3.5					3.5	3	2													

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMNER
HOLE No. : BCRC 90-18
Grid System : ORIGINAL
Collar Eastings : 19544.180
Collar Northings : 20117.330
Collar Elevations : 848.680
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : LENA BROMMELAN
Date : JUNE 28, 1990 - JUNE 29, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	ARG										
0.00	2.00		Dark grey to black argillite. 5% limonitic intrusive, fine quartz stock-work.	16326	0.00	2.00	2.00	162.	733.	289.	1500.	0.6
2.00	28.00	INT	Light brown limonitic, porphyritic intrusive.									
2.00	4.00		30% black argillite; washed (40% quartz)	16327	2.00	4.00	2.00	760.	618.	569.	2300.	1.1
4.00	6.00		White bleached intrusive, washed (75 - 80% quartz)	16328	4.00	6.00	2.00	5090.	6062.	2434.	6500.	3.1
6.00	22.00		Limonitic porphyry. Grades in colour from	16329	6.00	8.00	2.00	1320.	4939.	2775.	3800.	1.2
			dark brown (at 6m) to white brown (at 22m)	16330	8.00	10.00	2.00	530.	2687.	1405.	2400.	0.3
			; washed (40 - 60% quartz). Washed quartz	16331	10.00	12.00	2.00	710.	3448.	1474.	2000.	0.3
			grains have associated white clay.	16332	12.00	14.00	2.00	2170.	4051.	1204.	6400.	0.8
				16333	14.00	16.00	2.00	2220.	2684.	422.	4200.	0.7
				16334	16.00	18.00	2.00	1060.	2656.	609.	3100.	0.6
				16335	18.00	20.00	2.00	2520.	6538.	145.	2600.	0.8
				16336	20.00	22.00	2.00	2170.	5257.	893.	2400.	0.7
22.00	24.00		Grey argillite, washed (30% porphyry, 10% quartz, 60% argillite).	16337	22.00	24.00	2.00	440.	1188.	3475.	3600.	1.4
24.00	26.00		50% grey argillite, 50% bleached intrusive	16338	24.00	26.00	2.00	18.	224.	158.	2100.	0.6
26.00	28.00		White bleached intrusive; kaolinite and quartz. Calcareous - strong reaction.	16339	26.00	28.00	2.00	81.	250.	395.	950.	0.2
28.00	30.00	ARG	Black graphitic argillite; washed (10% limonitic intrusive).	16340	28.00	30.00	2.00	20.	91.	52.	1800.	1.4

2 20 1855 3894 493 1.0

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-18
Grid System : ORIGINAL
Collar Eastings : 19544.180
Collar Northings : 20117.330
Collar Elevations : 848.680
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : LENA BROMMELAN
Date : JUNE 28, 1990 - JUNE 29, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
0.00	2.00						1	1	1													
2.00	4.00	2					2	1-3														
4.00	6.00	3					3	3-5														
6.00	8.00	2					3	10-15														
8.00	10.00	2-3					3	5-10														
10.00	12.00	2-3					3	5-10														
12.00	14.00	2-3					3	5-10														
14.00	16.00	2-3					3	5-10														
16.00	18.00	2-3					3	5-10														
18.00	20.00	2-3					3	5-10														
20.00	22.00	2-3					3	5-10														
22.00	24.00						1	1-3														
24.00	26.00	2					2	3-5														
26.00	28.00	3					3	3-5														
28.00	30.00							1														

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREMNER
HOLE No. : BCRC 90-19
Grid System : ORIGINAL
Collar Eastings : 19581.410
Collar Northings : 19984.880
Collar Elevations : 825.400
Collar Bearing : 362.00
Grid Baseline : 66.00

Collar Inclination : -45.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : RICK DIMENT
Date : JUNE 27 1990 - JUNE 29 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	ARG	Grey argillite, washed (10% quartz, 30% rusty intrusive, 60% argillite).	16351	0.00	2.00	2.00	145.	999.	159.	780.	0.1
2.00	14.00	INT	Rusty limonitic intrusive, grades in colour from rusty brown (at 2m) to white brown (at 12m). Strong reaction to HCl in unwashed and washed split.	16352	2.00	4.00	2.00	230.	1984.	83.	840.	0.1
				16353	4.00	6.00	2.00	166.	995.	231.	1200.	0.1
				16354	6.00	8.00	2.00	154.	770.	111.	1100.	0.2
				16355	8.00	10.00	2.00	80.	643.	537.	2100.	0.2
				16356	10.00	12.00	2.00	66.	415.	377.	950.	0.1
				16357	12.00	14.00	2.00	87.	444.	129.	1200.	0.1
14.00	16.00	ARG	Grey argillite, washed (20% rusty intrusive, 5% quartz, 75% argillite).	16358	14.00	16.00	2.00	17.	83.	54.	920.	0.1
16.00	30.00	INT	Rusty limonitic intrusive.									
16.00	18.00		Washed (20% argillite, 70% rusty intrusive, 10% quartz).	16359	16.00	18.00	2.00	43.	190.	87.	1700.	0.1
18.00	30.00		Colour grades from rusty brown (at 18m) to white brown (at 25m) to rusty brown (at 30m). Strong reaction to HCl. Washed split (low in quartz, strong matrix reaction to HCl on rusty intrusive.	16360	18.00	20.00	2.00	39.	574.	169.	2100.	0.2
				16361	20.00	22.00	2.00	48.	863.	233.	1600.	0.2
				16362	22.00	24.00	2.00	25.	774.	158.	2000.	0.1
				16363	24.00	26.00	2.00	23.	751.	284.	1400.	0.1
				16364	26.00	28.00	2.00	34.	839.	290.	1700.	0.2
				16365	28.00	30.00	2.00	510.	1716.	433.	1900.	1.0

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-19
Grid System : ORIGINAL
Collar Eastings : 19581.410
Collar Northings : 19984.880
Collar Elevations : 825.400
Collar Bearing : 362.00
Grid Baseline : 66.80

Collar Inclination : -45.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : RICK DIMENT
Date : JUNE 27 1990 - JUNE 29 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES										GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sz	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
0.00	2.00				1	1	1-3															
2.00	4.00	1.5			3	1.5-2	10-15															
4.00	6.00	1.5			3	1.5-2	10-15															
6.00	8.00	1.5			3	1.5-2	5-10															
8.00	10.00	2			3.5	1.5-2	5-10															
10.00	12.00	1.5			3.5	1.5-2	5-10															
12.00	14.00	1.5			3	1.5-2	5-10															
14.00	16.00				3	1	1-3															
16.00	18.00				1	1	1-3															
18.00	20.00	1.5			2	1.5-2	5-10															
20.00	22.00	1.5			3	1.5-2	5-10															
22.00	24.00	1.5			3.5	1.5-2	5-10															
24.00	26.00	1.5			3.5	1.5-2	5-10															
26.00	28.00	1.5			3	1.5-2	5-10															
28.00	30.00	1.5			3	1.5-2	5-10															

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-20
Grid System : ORIGINAL
Collar Eastings : 19583.470
Collar Northings : 20071.410
Collar Elevations : 843.510
Collar Bearing : 362.00
Grid Baseline : 66.00

Collar Inclination : -45.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : RICK DIMENT
Date : JUNE 28, 1990 - JUNE 29, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	26.00	INT	Quartz rich limonitic intrusive with quartz stockwork.									
0.00	6.00	INT	10% bleached silicified intrusive with white kaolinite coatings.	16376	0.00	2.00	2.00	2980.	7838.	648.	4480.	1.9
				16377	2.00	4.00	2.00	2300.	6166.	327.	5600.	1.3
				16378	4.00	6.00	2.00	3090.	7660.	285.	4680.	1.6
				16379	6.00	8.00	2.00	1510.	3722.	7283.	4300.	1.5
8.00	12.00	INT	10% Black argillite and 10% bleached silicified intrusive.	16380	8.00	10.00	2.00	1800.	3960.	160.	1800.	1.2
				16381	10.00	12.00	2.00	2150.	3734.	158.	1400.	0.8
12.00	14.00	INT	Light grey to brown colour. Clay rich strong argillic alteration.	16382	12.00	14.00	2.00	460.	1909.	59.	1050.	0.3
14.00	16.00	ARG	10% dark grey argillite	16383	14.00	16.00	2.00	1270.	4056.	137.	1700.	0.6
				16384	16.00	18.00	2.00	320.	1354.	10951.	2100.	0.9
18.00	20.00	INT	5% bleached silicified intrusive.	16385	18.00	20.00	2.00	620.	2825.	1708.	1100.	0.5
				16386	20.00	22.00	2.00	330.	2077.	4991.	1500.	0.7
22.00	24.00	INT	30% light grey to white bleached intrusive Strong silicification.	16387	22.00	24.00	2.00	1030.	1864.	2146.	1200.	1.0
24.00	26.00	INT	50-60% light grey to white bleached intrusive chips; strong silicification. Trace of pyrite and stibnite.	16388	24.00	26.00	2.00	1340.	1950.	1981.	1800.	1.0
26.00	30.00	ARG	Dark black graphitic argillite.									
26.00	28.00	ARG	50% light grey to white bleached intrusive Strong silicification.	16389	26.00	28.00	2.00	550.	607.	3977.	4600.	2.5
28.00	30.00		10% limonitic intrusive.	16390	28.00	30.00	2.00	33.	194.	106.	5600.	2.4

0 22 1695 4035 1348 2955 1.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-20
Grid System : ORIGINAL
Collar Eastings : 19583.470
Collar Northings : 20071.410
Collar Elevations : 843.510
Collar Bearing : 362.00
Grid Baseline : 66.00

Collar Inclination : -45.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : RICK DIMENT
Date : JUNE 28, 1990 - JUNE 29, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
0.00	2.00	3					3	5	2													
2.00	4.00	3					3	5	2													
4.00	6.00	3					3	5	2													
6.00	8.00	3					3	5	2													
8.00	10.00	3					3	5	2													
10.00	12.00	3					3	5	2													
12.00	14.00	3.5					3	3	2													
14.00	16.00	3					3	5	2													
16.00	18.00	3					3	5	2													
18.00	20.00	3					3	5	2													
20.00	22.00	3					3	5	3													
22.00	24.00	4					4	5	4	TR												
24.00	26.00	4					4	2	4	1												
26.00	28.00	4					4	1	4	TR												
28.00	30.00							1														

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-21
Grid System : ORIGINAL
Collar Eastings : 19660.910
Collar Northings : 19853.340
Collar Elevations : 794.590
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 34.00
Claim No. :

Logged by : RICK DIMENT
Date : JUNE 25, 1990 - JUNE 26, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	12.00	INT	Quartz rich limonitic intrusive.									
0.00	2.00	INT	Trace - 1% stibnite, reddish brown staining (hematitic).	16391	0.00	2.00	2.00	1230.	2484.	5898.	4600.	0.6
				16392	2.00	4.00	2.00	760.	2480.	1558.	5400.	0.4
4.00	6.00		Light brown colour - clay rich.	16393	4.00	6.00	2.00	174.	1950.	701.	1500.	0.1
				16394	6.00	8.00	2.00	320.	2046.	881.	3100.	0.2
				16395	8.00	10.00	2.00	260.	1495.	816.	2000.	0.1
				16396	10.00	12.00	2.00	120.	1169.	477.	1700.	0.1
12.00	16.00	ARG	Dark grey to black argillite with minor quartz stockwork veining.	16397	12.00	14.00	2.00	38.	282.	292.	3200.	0.8
14.00	16.00	INT	50% limonitic intrusive chips. Minor quartz stockwork.	16398	14.00	16.00	2.00	410.	797.	3867.	3500.	2.1
16.00	26.00	INT	Quartz rich limonitic intrusive. Strong phyllic alteration. Minor hairline quartz stockwork; trace stibnite.	16399	16.00	18.00	2.00	850.	2897.	2089.	3600.	0.9
				16400	18.00	20.00	2.00	660.	2450.	2363.	4500.	1.0
				16401	20.00	22.00	2.00	1560.	2960.	7957.	3100.	1.5
22.00	26.00		1 - 2% stibnite. Very calcareous.	16402	22.00	24.00	2.00	3310.	3952.	2824.	3200.	1.2
				16403	24.00	26.00	2.00	2530.	3262.	5648.	3800.	2.4
26.00	34.00	ARG	Dark black graphitic argillite. Calcareous	16404	26.00	28.00	2.00	1940.	1360.	11455.	6300.	4.7
28.00	30.00		Wet, very graphitic.	16405	28.00	30.00	2.00	260.	271.	1255.	8800.	4.8
30.00	32.00		15% limonitic intrusive	16406	30.00	32.00	2.00	35.	176.	432.	6600.	2.9
32.00	34.00		5% limonitic intrusive	16407	32.00	34.00	2.00	15.	121.	154.	3700.	1.7

1605 2116 3979 3450 1.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-21
Grid System : ORIGINAL
Collar Eastings : 19660.910
Collar Northings : 19853.340
Collar Elevations : 794.590
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 34.00
Claim No. :

Logged by : RICK DIMENT
Date : JUNE 25, 1990 - JUNE 26, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sz	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
0.00	2.00	3					2.5	3															
2.00	4.00	3					2.5	3															
4.00	6.00	3.5					2.5	3															
6.00	8.00	3					2.5	3															
8.00	10.00	3					2.5	3															
10.00	12.00	3					2.5	3															
12.00	14.00							3															
14.00	16.00	3					3	5	2														
16.00	18.00	3					3	5	2	TR													
18.00	20.00	3					3	5	2	TR													
20.00	22.00	3			3		3	5	2	TR													
22.00	24.00	3.5			3		3	3	2	TR													
24.00	26.00	3.5			3		3	3	2	TR													
26.00	28.00				3			1															
28.00	30.00				3																		
30.00	32.00				3																		
32.00	34.00				3																		

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-22
Grid System : ORIGINAL
Collar Eastings : 19660.130
Collar Northings : 19876.950
Collar Elevations : 800.910
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 48.00
Claim No. :

Logged by : RICK DIMENT
Date : JUNE 25, 1990 - JUNE 26, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	14.00	INT	Quartz rich limonitic intrusive.	16408	0.00	2.00	2.00	390.	1835.	1794.	2800.	0.6
				16409	2.00	4.00	2.00	620.	3251.	535.	1300.	0.4
4.00	6.00		Very quartz rich with trace to 1% stibnite.	16410	4.00	6.00	2.00	470.	1648.	998.	2400.	0.4
				16411	6.00	8.00	2.00	650.	1451.	2524.	3600.	0.6
				16412	8.00	10.00	2.00	500.	1443.	3390.	2300.	0.6
				16413	10.00	12.00	2.00	660.	1814.	4462.	2700.	0.6
12.00	14.00		Quartz stockwork, 1% stibnite.	16414	12.00	14.00	2.00	1380.	2464.	15251.	2800.	3.6
14.00	16.00	ARG	Dark black graphitic argillite. 40% limonitic intrusive chips.	16415	14.00	16.00	2.00	650.	2013.	4397.	4600.	2.3
16.00	34.00	INT	Quartz rich limonitic intrusive. Strongly calcareous.	16416	16.00	18.00	2.00	540.	2043.	1407.	2600.	0.7
				16417	18.00	20.00	2.00	250.	1156.	574.	1600.	0.4
				16418	20.00	22.00	2.00	300.	1212.	539.	2400.	0.3
				16419	22.00	24.00	2.00	57.	527.	380.	2000.	0.3
				16420	24.00	26.00	2.00	450.	1424.	363.	1900.	0.6
				16421	26.00	28.00	2.00	48.	559.	239.	4000.	0.2
28.00	30.00		5% Argillite chips	16422	28.00	30.00	2.00	1700.	798.	3876.	4200.	2.2
30.00	34.00		40% argillite chips and 10 - 20% light grey quartz (veins) with 1% disseminated pyrite.	16423	30.00	32.00	2.00	2100.	2196.	874.	8000.	3.1
				16424	32.00	34.00	2.00	2480.	3177.	719.	9100.	2.9
34.00	48.00	ARG	Dark black graphitic argillite with calcite and quartz stockwork.									
34.00	38.00	INT	15% limonitic intrusive chips.	16425	34.00	36.00	2.00	550.	897.	409.	15000.	4.3
				16426	36.00	38.00	2.00	12.	102.	109.	7200.	1.5
				16427	38.00	40.00	2.00	1.	172.	98.	15000.	4.1
				16428	40.00	42.00	2.00	4.	178.	88.	9600.	3.7
				16429	42.00	44.00	2.00	7.	130.	65.	4600.	3.3
44.00	48.00		15% quartz chips with 1% pyrite.	16430	44.00	46.00	2.00	8.	89.	72.	5800.	3.9
				16431	46.00	48.00	2.00	4.	125.	90.	7200.	2.6

PROPERTY : BREWERY
HOLE No. : BCRC 90-22
Grid System : ORIGINAL
Collar Eastings : 19660.130
Collar Northings : 19874.950
Collar Elevations : 800.910
Collar Bearing : 999.99
Grid Baseline : 66.00

DIAMOND DRILL LOG

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 48.00
Claim No. :

Logged by : RICK DIMENT
Date : JUNE 25, 1990 - JUNE 26, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES

FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
0.00	2.00	3					3	5		
2.00	4.00	3					3	5		
4.00	6.00	3					3	5	2	TR
6.00	8.00	3					3	5		
8.00	10.00	3					3	5		
10.00	12.00	3					3	5		1
12.00	14.00	3					3	5	3	
14.00	16.00	3					3.5	5		
16.00	18.00	3			1			5	3	
18.00	20.00	3			3			3		
20.00	22.00	3			3			3		
22.00	24.00	3			3			2		
24.00	26.00	3			3			2		
26.00	28.00	3			3			2		
28.00	30.00	3			3		3.5	2		
30.00	32.00	3			3		1	1		1
32.00	34.00	3			3		3.5	1	2	1
34.00	36.00				3				2	
36.00	38.00				3				2	
38.00	40.00				3				2	
40.00	42.00				3				2	
42.00	44.00				3				2	
44.00	46.00				3				3	1
46.00	48.00				3				3	1

GEOTECHNICAL SAMPLES

FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

BORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-23
Grid System : ORIGINAL
Collar Eastings : 19660.990
Collar Northings : 19899.100
Collar Elevations : 807.050
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 36.00
Claim No. :

Logged by : GREG GILLSTROM
Date : JUNE 27, 1990 - JUNE 29, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
2.00	8.00	INT	Rusty limonitic intrusive with qtz stockwork									
2.00	4.00		30% argillite, 30% intrusive, 40% qtz.	16433	2.00	4.00	2.00	410.	657.	1262.	2300.	1.2
4.00	6.00		70% qtz, 30% rusty intrusive.	16434	4.00	6.00	2.00	1450.	1160.	3611.	1700.	0.6
				16435	6.00	8.00	2.00	2140.	2707.	6048.	1500.	1.5
8.00	16.00	ARG	Grey argillite.	16436	8.00	10.00	2.00	200.	718.	932.	4400.	0.6
10.00	12.00		20% qtz rich limonitic intrusive.	16437	10.00	12.00	2.00	117.	541.	849.	2700.	0.7
				16438	12.00	14.00	2.00	44.	1386.	519.	9600.	1.4
				16439	14.00	16.00	2.00	111.	1968.	615.	3300.	1.6
16.00	32.00	INT	Rusty limonitic intrusive, low qtz content	16440	16.00	18.00	2.00	1380.	5289.	405.	2600.	1.0
			strong HCl rxn.	16441	18.00	20.00	2.00	1020.	3109.	592.	3500.	0.8
				16442	20.00	22.00	2.00	1070.	2582.	686.	1700.	1.0
				16443	22.00	24.00	2.00	2650.	3254.	769.	2500.	2.9
				16444	24.00	26.00	2.00	790.	2156.	818.	1800.	0.3
				16445	26.00	28.00	2.00	2080.	4439.	562.	1700.	1.1
28.00	32.00		Qtz grains show minor pyrite.	16446	28.00	30.00	2.00	880.	2764.	350.	1500.	0.5
				16447	30.00	32.00	2.00	58.	349.	246.	2200.	0.3
32.00	36.00	ARG	Black graphitic argillite.									
32.00	34.00		40% qtz with minor cubic pyrite, 60%	16448	32.00	34.00	2.00	290.	416.	473.	8700.	2.4
			black argillite.	16449	34.00	36.00	2.00	29.	170.	374.	6500.	1.7

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-23
Grid System : ORIGINAL
Collar Eastings : 19660.990
Collar Northings : 19899.100
Collar Elevations : 807.050
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 36.00
Claim No. :

Logged by : GREG GILLSTROM
Date : JUNE 27, 1990 - JUNE 29, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2			1	3	3	2														
4.00	6.00	2			3	3	3	2														
6.00	8.00	2			1	3	5-10	2														
8.00	10.00				1																	
10.00	14.00																					
14.00	16.00				1																	
16.00	18.00	2-2.5			2	2	5	1														
18.00	20.00	2-2.5			2	2	5	1														
20.00	28.00	2-2.5			3	2	5	1														
28.00	30.00	2-2.5			3	2	5	1		5												
30.00	32.00	2-2.5			3	2	3	1		5												
32.00	34.00				1					2												

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMNER
HOLE No. : BCRC 90-24
Grid System : ORIGINAL
Collar Eastings : 19660.570
Collar Northings : 19922.950
Collar Elevations : 813.470
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 36.00
Claim No. :

Logged by : GREG GILLSTROM
Date : JUNE 27, 1990 - JUNE 29, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	16.00	INT	Limonitic intrusive. Abundant sericite, strong HCl rxn. Low qtz, high calcite. Light brown colour.	16451	2.00	4.00	2.00	30.	217.	102.	2200.	0.1
				16452	4.00	6.00	2.00	450.	1248.	2908.	4600.	0.1
				16453	6.00	8.00	2.00	870.	1898.	690.	4400.	0.1
				16454	8.00	10.00	2.00	1020.	2169.	429.	2300.	0.2
				16455	10.00	12.00	2.00	1090.	1701.	468.	3300.	0.4
				16456	12.00	14.00	2.00	970.	1662.	426.	2600.	0.5
				16457	14.00	16.00	2.00	2560.	4208.	1666.	3200.	1.1
16.00	18.00	ARG	Black argillite, qtz stockwork, moderate rxn HCl. (20% intrusive, 30% qtz, 50% argillite.)	16458	16.00	18.00	2.00	1320.	5694.	925.	2100.	0.8
18.00	30.00	INT	Limonitic intrusive. Abundant clay altered feldspar phenos. Strong rxn to HCl, qtz rich.	16459	18.00	20.00	2.00	1650.	4757.	353.	2000.	0.5
				16460	20.00	22.00	2.00	1680.	3563.	288.	2700.	1.4
				16461	22.00	24.00	2.00	1070.	3074.	312.	1800.	0.3
				16462	24.00	26.00	2.00	1130.	2929.	325.	1900.	0.6
				16463	26.00	28.00	2.00	1610.	3495.	515.	2200.	1.3
				16464	28.00	30.00	2.00	730.	2216.	1566.	1900.	0.6
30.00	36.00	ARG	Black graphitic argillite. 40% rusty qtz, 60% argillite, minor transparent rounded qtz eyes.	16465	30.00	32.00	2.00	320.	1024.	852.	6500.	2.6
				16466	32.00	34.00	2.00	360.	593.	1250.	10400.	4.6
				16467	34.00	36.00	2.00	270.	619.	312.	9800.	3.6

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-24
Grid System : ORIGINAL
Collar Eastings : 19660.570
Collar Northings : 19922.950
Collar Elevations : 813.470
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 36.00
Claim No. :

Logged by : GREG GILLSTROM
Date : JUNE 27, 1990 - JUNE 29, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	16.00	1.5			3	2	3	1														
16.00	18.00				2			2														
18.00	20.00	2			3	2.5-3	1	1.5														
20.00	30.00	2			3	205-3	3	1.5														
30.00	32.00						1	2														
32.00	34.00							2														
34.00	36.00							2														

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-25
Grid System : ORIGINAL
Collar Eastings : 19663.240
Collar Northings : 19947.210
Collar Elevations : 817.230
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : GREG GILLSTROM
Date : JUNE 26, 1990 - JUNE 28, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	4.00	ARG	Grey, fissile argillite. Qtz stockwork	16469	2.00	4.00	2.00	22.	177.	34.	2300.	0.1
4.00	28.00	INT	Limonitic, qtz-rich intrusive.									
4.00	6.00		20% argillite with qtz stockwork, 10% qtz, 70% intrusive.	16470	4.00	6.00	2.00	6520.	8384.	272.	5400.	1.9
6.00	8.00		Qtz rich - 5% stibnite, 10% argillite, 50% qtz, 35% int. with yellow altered kspr	16471	6.00	8.00	2.00	1020.	2077.	10416.	2200.	3.4
8.00	18.00		Qtz rich (75% qtz) associated with white kaolinite. 25% intrusive with yellow clay altered feldspars.	16472	8.00	10.00	2.00	870.	3447.	2041.	1400.	1.1
				16473	10.00	12.00	2.00	1880.	4797.	5552.	2600.	1.2
				16474	12.00	14.00	2.00	2540.	4855.	10063.	5100.	0.9
				16475	14.00	16.00	2.00	4350.	8089.	7863.	1800.	1.3
				16476	16.00	18.00	2.00	2610.	6256.	4125.	2900.	0.9
				16477	18.00	20.00	2.00	6070.	11325.	895.	3200.	3.3
20.00	26.00		Strong rxn to HCl (as 8-18m) From 24-26m; 5% stibnite. Assoc. with qtz.	16478	20.00	22.00	2.00	3290.	6836.	345.	2000.	1.1
				16479	22.00	24.00	2.00	2790.	6605.	289.	1700.	0.7
				16480	24.00	26.00	2.00	970.	2945.	5190.	3100.	1.7
				16481	26.00	28.00	2.00	1640.	1771.	1650.	2500.	1.4
28.00	30.00	ARG	Black argillite 50-50 arg/int.	16482	28.00	30.00	2.00	5800.	3714.	5941.	4800.	3.6

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-25
Grid System : ORIGINAL
Collar Eastings : 19663.240
Collar Northings : 19947.210
Collar Elevations : 817.230
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : GREG GILLSTROM
Date : JUNE 26, 1990 - JUNE 28, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : NC

GEOCHEMICAL SAMPLES

FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00							2		
4.00	6.00	2					2.5	1	2	
6.00	8.00	2					2.5	3	1	5
8.00	18.00						2.5	3	1	
18.00	20.00	1.5			1		2.5	5	1	
20.00	22.00	1.5			3		2.5	5	1	
22.00	24.00	1.5			3		2.5	5	1	
24.00	26.00	1.5			3		2.5	5	1	
26.00	28.00	1.5			1		2.5	5	1	
28.00	30.00								1	

GEOTECHNICAL SAMPLES

FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-26
Grid System : ORIGINAL
Collar Eastings : 19664.200
Collar Northings : 19970.460
Collar Elevations : 822.960
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 38.00
Claim No. :

Logged by : RICK DIMENT
Date : JUNE 28, 1990 - JUNE 29, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.	16483	0.00	2.00	2.00					
2.00	12.00	ARG	Dark grey to black argillite with qtz stockwork veining.									
2.00	4.00		80% argillite, 20% quartz rich limonitic intrusive.	16484	2.00	4.00	2.00	450.	1444.	221.	1100.	0.2
				16485	4.00	6.00	2.00	105.	868.	105.	1300.	0.3
				16486	6.00	8.00	2.00	12.	286.	59.	1500.	0.1
				16487	8.00	10.00	2.00	320.	747.	47.	2000.	0.3
				16488	10.00	12.00	2.00	78.	817.	60.	1800.	0.3
12.00	28.00	INT	Qtz rich limonitic intrusive.									
12.00	14.00		30% dark black argillite.	16489	12.00	14.00	2.00	1280.	4962.	679.	5100.	0.8
14.00	16.00		Minor qtz stockwork veining.	16490	14.00	16.00	2.00	2010.	2255.	6847.	4800.	1.0
16.00	22.00		Light brown colour, bleached remnant	16491	16.00	18.00	2.00	1700.	4652.	5383.	2000.	0.5
			biotite, very calcareous.	16492	18.00	20.00	2.00	470.	1185.	2623.	1900.	0.1
				16493	20.00	22.00	2.00	1330.	3018.	1449.	4800.	0.5
22.00	26.00		Light grey qtz stockwork with 1% stibnite	16494	22.00	24.00	2.00	4410.	6417.	2062.	3400.	1.7
			& pyrite.	16495	24.00	26.00	2.00	1800.	2110.	1335.	3000.	1.1
26.00	28.00		Intense qtz stockwork veining with 2-3% stibnite.	16496	26.00	28.00	2.00	2740.	2209.	15004.	3600.	2.1
28.00	30.00	ARG	Dark black argillite with 30% limonitic intrusive.	16497	28.00	30.00	2.00	560.	564.	933.	3400.	1.7
30.00	32.00	INT	Light brown weakly limonitic quartz rich intrusive; very calcareous.	16498	30.00	32.00	2.00	32.	104.	127.	260.	0.1
32.00	38.00	ARG	Dark black graphitic argillite									
32.00	36.00		30% light brown weakly limonitic intrusive	16499	32.00	34.00	2.00	31.	87.	45.	280.	0.4
			with 1% pyrite; very calcareous.	16500	34.00	36.00	2.00	5.	103.	61.	1200.	1.1
				16501	36.00	38.00	2.00	4.	73.	41.	1500.	3.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMNER
HOLE No. : BCRC 90-26
Grid System : ORIGINAL
Collar Eastings : 19664.200
Collar Northings : 19970.460
Collar Elevations : 822.960
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 38.00
Claim No. :

Logged by : RICK DIMENT
Date : JUNE 28, 1990 - JUNE 29, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2.5					3	3	2													
4.00	6.00																					
6.00	8.00																					
8.00	10.00																					
10.00	12.00	3																				
12.00	14.00	3					3															
14.00	16.00	3			1		3	5	2													
16.00	18.00	3			3		3	5	2													
18.00	20.00	2			3		3	2														
20.00	22.00	2			3		3	2														
22.00	24.00	3			1		3.5	5	2	1												
24.00	26.00	3			1		3.5	3	2	1												
26.00	28.00	3			1		4	3	3	3												
28.00	30.00	3			1			1														
30.00	32.00	2			3		2.5	1														
32.00	34.00				3		2	1		1												
34.00	36.00				3		2	1		1												
36.00	38.00				1																	

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BRENNERY
HOLE No. : BCRC 90-27
Grid System : ORIGINAL
Collar Eastings : 19663.930
Collar Northings : 19995.540
Collar Elevations : 828.900
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : RICK DINENT
Date : JUNE 28, 1990 - JUNE 29, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	18.00	INT	Calcareous qtz rich limonitic intrusive.	16502	2.00	4.00	2.00					
4.00	6.00		Minor qtz stockwork. Trace stibnite.	16503	4.00	6.00	2.00	550.	1539.	372.	580.	0.1
				16504	6.00	8.00	2.00	660.	1591.	189.	1100.	0.2
				16505	8.00	10.00	2.00	730.	2528.	228.	2200.	0.5
				16506	10.00	12.00	2.00	62.	491.	71.	850.	0.1
12.00	14.00		Qtz rich - stockwork veining. Non	16507	12.00	14.00	2.00	380.	874.	147.	1800.	0.3
			calcareous.	16508	14.00	16.00	2.00	1820.	4823.	148.	1900.	0.4
				16509	16.00	18.00	2.00	1020.	3265.	120.	1700.	0.1
18.00	26.00	ARG	Dark grey to black argillite with white	16510	18.00	20.00	2.00	560.	1314.	87.	1300.	0.3
			qtz stockwork veining. Non calcareous.	16511	20.00	22.00	2.00	143.	251.	18.	1200.	0.1
				16512	22.00	24.00	2.00	1820.	627.	22.	3200.	1.2
				16513	24.00	26.00	2.00	75.	476.	26.	1300.	0.2
26.00	36.00	INT	Calcareous qtz rich limonitic intrusive.									
26.00	28.00		20% argillite.	16514	26.00	28.00	2.00	2690.	1622.	194.	2800.	0.8
				16515	28.00	30.00	2.00	280.	1056.	416.	4700.	1.8
				16516	30.00	32.00	2.00	144.	583.	118.	400.	0.1
32.00	34.00		20% argillite.	16517	32.00	34.00	2.00	390.	1294.	115.	1050.	0.3
				16518	34.00	36.00	2.00	39.	390.	46.	1300.	0.9
36.00	40.00	ARG	Dark black graphitic argillite.									
36.00	38.00		20% intrusive chips.	16519	36.00	38.00	2.00	25.	92.	22.	540.	0.1
				16520	38.00	40.00	2.00	10.	93.	39.	1600.	3.0

BOKANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BRENNERY
HOLE No. : BCRC 90-27
Grid System : ORIGINAL
Collar Eastings : 19663.930
Collar Northings : 19995.540
Collar Elevations : 828.900
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : RICK DIMENT
Date : JUNE 28, 1990 - JUNE 29, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2.5			3	3	3															
4.00	6.00	2.5			3	3	3			TR												
6.00	8.00	2.5			3	3	3															
8.00	10.00	2.5			3	3	3															
10.00	12.00	2.5			3	3	3															
12.00	14.00	2.5				3.5	5	2														
14.00	16.00	2.5			3	3	5															
16.00	18.00	2.5			3	3	3															
18.00	20.00				3																	
20.00	22.00																					
22.00	24.00							3														
24.00	26.00	2.5						3														
26.00	28.00	2.5			3	3	3	3														
28.00	30.00	2.5			3	3	3															
30.00	32.00	2.5			3	3	3															
32.00	34.00	2.5			3	3	1															
34.00	36.00	2.5			3	3	1															
36.00	38.00				1																	
38.00	40.00																					

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-28
Grid System : ORIGINAL
Collar Eastings : 19665.280
Collar Northings : 20019.960
Collar Elevations : 834.370
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 32.00
Claim No. :

Logged by : RICK DIMENT
Date : JUNE 28, 1990 - JUNE 29, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.	16522	0.00	2.00	2.00					
2.00	6.00	ARG	Medium to dark grey argillite with 20% limonitic intrusive.	16523	2.00	4.00	2.00	76.	793.	138.	920.	0.1
				16524	4.00	6.00	2.00	49.	496.	84.	680.	0.1
6.00	18.00	INT	Calcareous qtz rich limonitic intrusive. Remnant bleached biotite.	16525	6.00	8.00	2.00	28.	484.	74.	1500.	0.2
				16526	8.00	10.00	2.00	10.	837.	152.	1600.	0.2
				16527	10.00	12.00	2.00	27.	372.	65.	1500.	0.1
				16528	12.00	14.00	2.00	55.	867.	80.	2400.	0.5
				16529	14.00	16.00	2.00	128.	444.	43.	2000.	0.2
				16530	16.00	18.00	2.00	27.	420.	56.	1800.	0.5
18.00	26.00	ARG	Dark black graphitic argillite with white qtz stockwork veining.	16531	18.00	20.00	2.00	540.	669.	97.	3100.	0.8
				16532	20.00	22.00	2.00	520.	481.	189.	2800.	0.3
				16533	22.00	24.00	2.00	370.	683.	1000.	7500.	3.2
				16534	24.00	26.00	2.00	85.	962.	619.	8400.	3.8
26.00	28.00	INT	Qtz rich limonitic intrusive. Weakly calcareous. Minor qtz stockwork; trace stibnite.	16535	26.00	28.00	2.00	4.	323.	221.	540.	0.5
28.00	32.00	ARG	Dark black graphitic argillite. 10% limonitic intrusive.	16536	28.00	30.00	2.00	10.	111.	46.	1200.	0.9
				16537	30.00	32.00	2.00	107.	106.	40.	3500.	2.1

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-28
Grid System : ORIGINAL
Collar Eastings : 19665.280
Collar Northings : 20019.960
Collar Elevations : 834.370
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 32.00
Claim No. :

Logged by : RICK DIMERT
Date : JUNE 28, 1990 - JUNE 29, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
0.00	2.00																					
2.00	4.00						1															
4.00	6.00				3		1															
6.00	8.00	3			3	3	3															
8.00	10.00	3			3	3	3															
10.00	12.00	3			4	3	3															
12.00	14.00	3			4	3	2															
14.00	16.00	3			4	3	1															
16.00	18.00	3			4	3	1															
18.00	20.00							2														
20.00	22.00							2														
22.00	24.00							2														
24.00	26.00							2														
26.00	28.00	3			1	3.5		2														
28.00	30.00						3	2		TR												
30.00	32.00																					

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-29
Grid System : ORIGINAL
Collar Eastings : 19666.710
Collar Northings : 20046.850
Collar Elevations : 840.090
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 32.00
Claim No. :

Logged by : RICK DIMENT
Date : JUNE 27, 1990 - JULY 1, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	4.00	ARG										
0.00	2.00		Casing	16538	0.00	2.00	2.00					
2.00	4.00		Grey argillite, minor qtz stockwork. 60% dense black argillite, 40% fissile soft grey shale.	16539	2.00	4.00	2.00	172.	312.	180.	3600.	0.6
4.00	12.00	INT	Qtz rich limonitic intrusive, abundant clay alt'n, rusty intrusive and qtz.									
4.00	6.00		10% stibnite.	16540	4.00	6.00	2.00	2820.	1652.	25142.	2200.	7.0
				16541	6.00	8.00	2.00	2680.	6698.	2955.	1200.	1.5
				16542	8.00	10.00	2.00	4570.	6379.	17074.	2500.	4.5
10.00	12.00		20% argillite.	16543	10.00	12.00	2.00	4010.	6098.	6831.	2300.	1.8
12.00	18.00	ARG	Grey/black argillite, minor stockwork.	16544	12.00	14.00	2.00	1460.	1495.	6081.	4600.	2.9
14.00	16.00		20% qtz rich intrusive with minor stibnite	16545	14.00	16.00	2.00	3770.	85.	30560.	5200.	12.7
16.00	18.00	INT	40% qtz rich intrusive with minor stibnite	16546	16.00	18.00	2.00	1840.	1246.	24646.	5500.	5.2
18.00	20.00	INT	Rusty brown limonitic intrusive, high limonite content. 70% rusty qtz, 30% rusty intrusive.	16547	18.00	20.00	2.00	1060.	4438.	1663.	2400.	1.5
20.00	22.00	ARG	50% black argillite, 50% rusty intrusive (ref. 18-20m)	16548	20.00	22.00	2.00	138.	741.	139.	6500.	3.0
22.00	28.00	INT	Qtz feldspar porphyry, minor pyrite, calcareous with abundant qtz.	16549	22.00	24.00	2.00	44.	504.	819.	1800.	0.5
				16550	24.00	26.00	2.00	6.	77.	48.	430.	0.1
26.00	28.00		40% black argillite.	16551	26.00	28.00	2.00	20.	132.	48.	3300.	1.9
28.00	32.00	ARG	Dense black argillite with minor qtz 6 stockwork.	16552	28.00	30.00	2.00	16.	164.	403.	3200.	1.7
				16553	30.00	32.00	2.00	4.	33.	66.	1900.	1.0

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-29
Grid System : ORIGINAL
Collar Eastings : 19666.710
Collar Northings : 20046.850
Collar Elevations : 840.090
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 32.00
Claim No. :

Logged by : RICK DIMENT
Date : JUNE 27, 1990 - JULY 1, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
0.00	2.00																					
2.00	4.00								1													
4.00	6.00	2.5					2.5	3	2	10												
6.00	8.00	2.5					3	5	2.5	1												
8.00	10.00	2.5					3	5	2.5													
10.00	12.00	2.5					2.5	3	2													
12.00	14.00																					
14.00	16.00																					
16.00	18.00																					
18.00	20.00	2					2	15	2													
20.00	22.00																					
22.00	24.00	1.5					2.5	3		3												
24.00	26.00	1.5					2.5	3		3												
26.00	28.00	1					2	2		1												
28.00	30.00								1													
30.00	32.00								1													

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-38
Grid System : ORIGINAL
Collar Eastings : 19668.980
Collar Northings : 20067.400
Collar Elevations : 844.810
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 34.00
Claim No. :

Logged by : GREG GILLSTROM
Date : JUNE 29, 1990 - JULY 1, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.	16554	0.00	2.00	2.00					
2.00	4.00	ARG										
2.00	4.00		50% dense black argillite, 40% soft grey shale, 10% limonitic intrusive. Qtz stockwork assoc. with argillite.	16555	2.00	4.00	2.00	11.	227.	85.	3000.	0.3
4.00	16.00	INT	Limonitic porphyritic intrusive.									
4.00	6.00		30% argillite.	16556	4.00	6.00	2.00	1460.	4555.	83.	2400.	0.7
6.00	8.00		Abundant clay altered feldspar phenos. Rich in rusty qtz.	16557	6.00	8.00	2.00	2300.	4574.	3388.	2300.	0.9
8.00	10.00		Grey/white altered intrusive. 80% white qtz with kaolinite, 5% stibnite, 5% clay altered phenocrysts, 10% rusty intrusive.	16558	8.00	10.00	2.00	2980.	1567.	17941.	3100.	3.5
10.00	12.00		Darker grey with no stibnite and 10% argillite with qtz stockwork.	16559	10.00	12.00	2.00	1890.	2345.	9867.	3200.	2.7
12.00	14.00		Rusty brown limonitic intrusive, 70% qtz rich rusty intrusive, 20% qtz, 10% yellow clay altered phenos.	16560	12.00	14.00	2.00	550.	2435.	703.	1300.	0.4
14.00	16.00	ARG	50% black argillite.	16561	14.00	16.00	2.00	390.	1657.	187.	4000.	3.0
16.00	26.00	ARG	Dense black argillite, qtz stockwork.	16562	16.00	18.00	2.00	61.	154.	294.	7800.	5.0
				16563	18.00	20.00	2.00	63.	81.	131.	8600.	5.6
				16564	20.00	22.00	2.00	81.	100.	90.	10800.	6.5
				16565	22.00	24.00	2.00	10.	107.	86.	5100.	2.8
				16566	24.00	26.00	2.00	24.	56.	45.	4600.	2.7
26.00	34.00	QTZITE	Dense fine grained grey quartzite(?).	16567	26.00	28.00	2.00	14.	60.	42.	3100.	1.8
			Strong rxn HCl. 35% black shale, 60%	16568	28.00	30.00	2.00	1.	17.	33.	1200.	0.9
			quartzite with calcareous matrix & finely	16569	30.00	32.00	2.00	5.	20.	42.	440.	1.1
			disseminated pyrite.	16570	32.00	34.00	2.00	3.	28.	31.	310.	0.7

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-30
Grid System : ORIGINAL
Collar Eastings : 19668.980
Collar Northings : 20067.400
Collar Elevations : 844.810
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 34.00
Claim No. :

Logged by : GREG GILLSTROM
Date : JUNE 29, 1990 - JULY 1, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sr %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
0.00	2.00																						
2.00	4.00								1														
4.00	6.00	2					1.5	3	2														
6.00	8.00	2					1.5	3	2.5														
8.00	10.00	3					3	1	3	5													
10.00	12.00	2.5					3	1	2														
12.00	14.00	2					2	10	1														
14.00	16.00								1														
16.00	18.00								2														
18.00	20.00								3														
20.00	22.00								2.5														
22.00	24.00								2.5														
24.00	26.00								2.5														
26.00	28.00					2																	
28.00	30.00					3.5																	
30.00	32.00					3.5																	
32.00	34.00					3.5																	

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMNER
HOLE No. : BCRC 90-31
Grid System : ORIGINAL
Collar Eastings : 19770.560
Collar Northings : 19788.730
Collar Elevations : 790.110
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 28.50
Claim No. :

Logged by : GREG GILLSTROM
Date : JUNE 30, 1990 - JULY 1, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.	16571	0.00	2.00	2.00					
2.00	10.00	FLOAT										
2.00	10.00		Suspect unconsolidated float (talus).	16572	2.00	4.00	2.00	15.	109.	44.	800.	0.3
			Unwashed split is mostly water, washed	16573	4.00	6.00	2.00	4.	80.	39.	780.	0.2
			split is a well sorted mix of argillite,	16574	6.00	8.00	2.00	45.	83.	43.	720.	0.2
			rusty intrusive, white, green, yellow,	16575	8.00	10.00	2.00	33.	105.	59.	800.	0.3
			blue and clear qtz, as well as red hematitic intrusive. (White/grey quartzite too (???) -- these chips react to HCl)									
10.00	28.00	ARG	Dense black argillite.									
10.00	18.00		10% rusty intrusive.	16576	10.00	12.00	2.00	270.	159.	124.	1900.	1.9
				16577	12.00	14.00	2.00	730.	308.	585.	4000.	4.6
				16578	14.00	16.00	2.00	1320.	505.	787.	6800.	4.5
				16579	16.00	18.00	2.00	500.	330.	397.	6200.	3.4
				16580	18.00	20.00	2.00	240.	374.	503.	7000.	3.6
20.00	28.00		Abundant qtz stockwork.	16581	20.00	22.00	2.00	103.	263.	529.	4100.	7.7
				16582	22.00	24.00	2.00	52.	126.	127.	1700.	1.4
				16583	24.00	26.00	2.00	2.	18.	14.	750.	0.2
				16584	26.00	28.00	2.00	8.	25.	17.	860.	0.1

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-31
Grid System : ORIGINAL
Collar Eastings : 19770.560
Collar Northings : 19788.730
Collar Elevations : 790.110
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 28.00
Claim No. :

Logged by : GREG GILLSTROM
Date : JUNE 30, 1990 - JULY 1, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
1.00	2.00																					
2.00	4.00																					
4.00	6.00																					
6.00	8.00																					
8.00	10.00																					
10.00	12.00																					
12.00	14.00																					
14.00	16.00																					
16.00	18.00								1													
18.00	20.00								1													
20.00	22.00								3													
22.00	24.00								3													
24.00	26.00								3													
26.00	28.00								3													

MORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-32
Grid System : ORIGINAL
Collar Eastings : 19771.890
Collar Northings : 19839.330
Collar Elevations : 793.540
Collar Bearing : 999.99
Grid Baseline : 0.00

Collar Inclination : -90.00
Grid Bearing : 0.00
Final Depth : 16.00
Claim No. :

Logged by :
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	16.00	OVBR	HOLE ABANDONED. RC DRILL DID NOT INTERSECT BEDROCK.									

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-32
Grid System : ORIGINAL
Collar Eastings : 19771.890
Collar Northings : 19839.330
Collar Elevations : 793.540
Collar Bearing : 999.99
Grid Baseline : 0.00

Collar Inclination : -90.00
Grid Bearing : 0.00
Final Depth : 16.00
Claim No. :

Logged by :
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-33
Grid System : ORIGINAL
Collar Eastings : 19764.940
Collar Northings : 19888.590
Collar Elevations : 798.660
Collar Bearing : 999.99
Grid Baseline : 0.00

Collar Inclination : -90.00
Grid Bearing : 0.00
Final Depth : 12.00
Claim No. :

Logged by :
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	12.00	OVBR	HOLE ABANDONED. RC DRILL DID NOT INTERSECT BEDROCK.									

MORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-33
Grid System : ORIGINAL
Collar Eastings : 19764.940
Collar Northings : 19888.590
Collar Elevations : 798.660
Collar Bearing : 999.99
Grid Baseline : 0.00

Collar Inclination : -90.00
Grid Bearing : 0.00
Final Depth : 12.00
Claim No. :

Logged by :
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-34
Grid System : ORIGINAL
Collar Eastings : 19768.250
Collar Northings : 19936.240
Collar Elevations : 814.560
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 32.00
Claim No. :

Logged by : GREG GILLSTROM
Date : JUNE 29, 1990 - JULY 1, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.	16585	0.00	2.00	2.00					
2.00	8.00	FLOAT	Well sorted mix of rusty intrusive, argillite, and qtz. Suspect overburden. Many washed chips show Mn oxide staining, 1% stibnite.	16586	2.00	4.00	2.00	470.	308.	1418.	2600.	2.3
				16587	4.00	6.00	2.00	1620.	467.	20349.	2000.	6.2
6.00	8.00		60% rusty brown intrusive.	16588	6.00	8.00	2.00	590.	765.	2695.	1500.	0.8
8.00	10.00	INT	Rusty brown limonitic porphyritic intrusive. Feldspar phenos are altered to yellow clay; minor brassy pyrite, strong HCl rxn.	16589	8.00	10.00	2.00	240.	618.	2594.	1200.	0.8
10.00	14.00	ARG	Black argillite with abundant qtz stock-work, minor soft grey shale, 30% rusty intrusive.	16590	10.00	12.00	2.00	86.	236.	1543.	1100.	0.6
				16591	12.00	14.00	2.00	82.	242.	1697.	930.	0.7
14.00	18.00	INT	Rusty limonitic, porphyritic intrusive, minor pyrite.	16592	14.00	16.00	2.00	2020.	2434.	4310.	1300.	1.0
16.00	18.00		10% graphitic argillite.	16593	16.00	18.00	2.00	3100.	4143.	745.	1900.	0.4
18.00	20.00	ARG	Black argillite.	16594	18.00	20.00	2.00	200.	302.	674.	2600.	0.6
20.00	22.00	INT	Qtz rich bleached intrusive, abundant disseminated cubic pyrite, sericite and white/grey qtz.	16595	20.00	22.00	2.00	2530.	1315.	1084.	2000.	1.1
22.00	24.00	ARG	Black argillite - 75% argillite, 20% pyrite rich qtz (as above), 5% stibnite.	16596	22.00	24.00	2.00	850.	327.	29272.	2200.	17.9
24.00	32.00	INT	Qtz rich bleached intrusive. White qtz with finely disseminated silver (arseno?) cubic pyrite. Strong rxn HCl.									
24.00	26.00		20% argillite.	16597	24.00	26.00	2.00	20.	116.	3396.	1100.	1.5
26.00	28.00		No argillite - 90% pyrite rich white	16598	26.00	28.00	2.00	8.	32.	483.	830.	0.2

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-34

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			qtz.									
28.00	30.00		White qtz drops to 20%	16599	28.00	30.00	2.00	10.	42.	765.	1050.	0.2
30.00	32.00		White qtz drops to 10%	16600	30.00	32.00	2.00	4.	34.	198.	1300.	0.1

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-34
Grid System : ORIGINAL
Collar Eastings : 19768.250
Collar Northings : 19936.240
Collar Elevations : 814.560
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 32.00
Claim No. :

Logged by : GREG GILLSTROM
Date : JUNE 29, 1990 - JULY 1, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : NC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
0.00	2.00																					
2.00	4.00																					
4.00	6.00																					
6.00	8.00																					
8.00	10.00	2			3	2.5	3	1	.5													
10.00	12.00							1.5														
12.00	14.00							2														
14.00	16.00	1.5				2	10			.5												
16.00	18.00	1.5				2	10			.5												
18.00	20.00																					
20.00	22.00	2			2	3.5	1			5												
22.00	24.00									5												
24.00	26.00	2			2	2	1			1												
26.00	28.00	3.5			3	3	1			5												
28.00	30.00	1.5			2	2	2			2												
30.00	32.00	1.5			2	1	2			1												

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-35
Grid System : ORIGINAL
Collar Eastings : 19771.640
Collar Northings : 19982.520
Collar Elevations : 831.840
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 32.00
Claim No. :

Logged by : GREG GILLSTROM
Date : JULY 3, 1990 - JULY 5, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.	16601	0.00	2.00	2.00					
2.00	6.00	OVBR										
2.00	6.00		Overburden (?). Well sorted mix of rusty	16602	2.00	4.00	2.00	8.	111.	79.	1400.	0.3
			intrusive, qtz, argillite, stibnite,	16603	4.00	6.00	2.00	160.	154.	5061.	2200.	1.8
			and roots.									
6.00	16.00	ARG	Grey/black argillite. Minor qtz stockwork									
6.00	8.00		Massive stibnite. 90% stibnite, 10%	16604	6.00	8.00	2.00	1430.	39.	52333.	7200.	51.6
			rusty and white qtz.									
8.00	10.00		10% stibnite, 90% argillite.	16605	8.00	10.00	2.00	1920.	300.	32089.	2900.	12.2
				16606	10.00	12.00	2.00	2420.	608.	18015.	3500.	5.6
				16607	12.00	14.00	2.00	830.	1834.	2582.	2700.	1.5
14.00	16.00		10% rusty qtz.	16608	14.00	16.00	2.00	1940.	1490.	10083.	3400.	4.9
16.00	32.00	INT	Qtz feldspar intrusive, white kaolinite	16609	16.00	18.00	2.00	240.	347.	3874.	2000.	1.2
			coating on qtz grains, minor disseminated	16610	18.00	20.00	2.00	39.	97.	1840.	1600.	0.4
			pyrite, yellow clay altered feldspar	16611	20.00	22.00	2.00	220.	823.	847.	1500.	0.5
			porphyrys, strong rxn HCl.	16612	22.00	24.00	2.00	14.	62.	814.	1300.	0.1
				16613	24.00	26.00	2.00	11.	33.	937.	960.	0.2
				16614	26.00	28.00	2.00	840.	235.	1457.	1500.	0.5
				16615	28.00	30.00	2.00	30.	46.	1673.	1400.	0.5
				16616	30.00	32.00	2.00	250.	55.	5133.	1100.	1.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-35
Grid System : ORIGINAL
Collar Eastings : 19771.640
Collar Northings : 19982.520
Collar Elevations : 831.840
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 32.00
Claim No. :

Logged by : GREG GILLSTROM
Date : JULY 3, 1990 - JULY 5, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES

FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
0.00	2.00									
2.00	4.00									
4.00	6.00									
6.00	8.00								90	
8.00	10.00							1	10	
10.00	12.00							2		
12.00	14.00							2		
14.00	16.00							1		
16.00	18.00	1.5			1	1.5	3		TR	
18.00	20.00	2			3	2	3-5		TR	
20.00	22.00	1.5			3	2	3-5		TR	
22.00	24.00	2			3	2	3-5		TR	
24.00	26.00	2			3	2	3-5		TR	
26.00	28.00	2			3	2	3-5		TR	
28.00	30.00	2			3	2	3-5		TR	
30.00	32.00	2			3	2	3-5		TR	

GEOTECHNICAL SAMPLES

FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzCirCode %

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-36
Grid System : ORIGINAL
Collar Eastings : 19994.880
Collar Northings : 20053.710
Collar Elevations : 919.480
Collar Bearing : 999.99
Grid Baseline : 16.80

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : GREG GILLSTROM
Date : JUNE 29, 1990 - JUNE 30, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.	16617	0.00	2.00	2.00					
2.00	16.00	INT	Rusty (weathered) porphyritic intrusive, rich in biotite.									
2.00	6.00		Abundant clay altered yellow feldspar phenocrysts.	16618	2.00	4.00	2.00	280.	240.	305.	1200.	0.5
				16619	4.00	6.00	2.00	320.	876.	230.	1700.	1.0
6.00	8.00		Decrease in biotite (altering to sericite)	16620	6.00	8.00	2.00	340.	616.	189.	780.	0.4
8.00	10.00		White (bleached) zone, strong rxn HCl, low biotite, high qtz.	16621	8.00	10.00	2.00	102.	362.	179.	660.	0.1
10.00	16.00		Rusty intrusive (ref. 2-6m)	16622	10.00	12.00	2.00	960.	1145.	267.	1900.	0.4
				16623	12.00	14.00	2.00	3670.	1926.	2628.	2800.	0.8
				16624	14.00	16.00	2.00	1260.	2343.	803.	1300.	1.2
16.00	18.00	ARG	Dense black argillite. 50% argillite, 50% qtz and intrusive.	16625	16.00	18.00	2.00	210.	527.	239.	2800.	2.8
18.00	30.00	INT	Limonitic, porphyritic intrusive.	16626	18.00	20.00	2.00	80.	424.	105.	1100.	3.0
			60% rusty qtz, 30% rusty intrusive, 10%	16627	20.00	22.00	2.00	82.	369.	150.	1200.	1.0
			yellow clay altered feldspar.	16628	22.00	24.00	2.00	56.	416.	142.	1400.	0.9
24.00	26.00		10% argillite.	16629	24.00	26.00	2.00	51.	311.	308.	3500.	1.2
26.00	28.00		5% argillite.	16630	26.00	28.00	2.00	4.	258.	140.	6400.	0.6
				16631	28.00	30.00	2.00	5.	179.	68.	2400.	0.9

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-36
Grid System : ORIGINAL
Collar Eastings : 19994.880
Collar Northings : 28053.710
Collar Elevations : 919.480
Collar Bearing : 999.99
Grid Baseline : 16.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : GREG GILLSTROM
Date : JUNE 29, 1990 - JUNE 30, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : HC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
0.00	2.00																					
2.00	4.00	1					1	5														
4.00	6.00	1					1	5														
6.00	8.00	1.5					1.5	5														
8.00	10.00	2				3	1.5	1														
10.00	12.00	1.5					1.5	5														
12.00	14.00	1					1.5	5														
14.00	16.00	1					1.5	5														
16.00	18.00							2														
18.00	20.00	2.5					1	5														
20.00	22.00	2.5					2	5														
22.00	24.00	2.5					2	5														
24.00	26.00	1.5					1.5	10														
26.00	28.00	1.5					1.5	10														
28.00	30.00	2					2	5														

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMNER
HOLE No. : BCRC 90-37
Grid System : ORIGINAL
Collar Eastings : 19972.990
Collar Northings : 20073.290
Collar Elevations : 922.210
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : GREG GILLSTROM
Date : JULY 1, 1990 - JULY 2, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	28.00	INT	Limonitic porphyritic intrusive. 70% rusty intrusive, 10% clay altered feldspar phenocrysts, 20% clear, white, and rusty qtz.	16632	2.00	4.00	2.00	280.	643.	652.	1600.	0.8
				16633	4.00	6.00	2.00	490.	567.	207.	1300.	0.2
				16634	6.00	8.00	2.00	790.	758.	501.	1800.	0.7
				16635	8.00	10.00	2.00	830.	832.	630.	1700.	0.9
				16636	10.00	12.00	2.00	78.	392.	178.	1600.	0.4
				16637	12.00	14.00	2.00	110.	438.	173.	3600.	0.4
14.00	16.00		50% dense black argillite.	16638	14.00	16.00	2.00	1290.	606.	175.	4500.	1.0
16.00	18.00		10% dense black argillite.	16639	16.00	18.00	2.00	240.	651.	108.	2700.	1.3
				16640	18.00	20.00	2.00	131.	256.	127.	1200.	1.4
				16641	20.00	22.00	2.00	48.	141.	99.	870.	0.5
				16642	22.00	24.00	2.00	92.	331.	103.	2000.	0.7
				16643	24.00	26.00	2.00	190.	421.	75.	4500.	1.1
26.00	28.00		20% dense black argillite.	16644	26.00	28.00	2.00	310.	571.	158.	7800.	1.5
28.00	30.00	ARG	Black, very graphitic argillite, texture of fine black sand.	16645	28.00	30.00	2.00	92.	84.	47.	2000.	1.5

NOMANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-37
Grid System : ORIGINAL
Collar Eastings : 19972.990
Collar Northings : 20073.290
Collar Elevations : 922.210
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : GREG GILLSTROM
Date : JULY 1, 1990 - JULY 2, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2					1.5	3														
4.00	6.00	2					1.5	3														
6.00	8.00	2					1.5	3														
8.00	10.00	2					1.5	3														
10.00	12.00	2					1.5	3														
12.00	14.00	2					1.5	3														
14.00	16.00	1					1	1														
16.00	18.00	2					1.5	3														
18.00	20.00	2					1.5	3														
20.00	22.00	2					1.5	3														
22.00	24.00	2					1.5	3														
24.00	26.00	2					1.5	3														
26.00	28.00	1					1	1														
28.00	30.00																					

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-38
Grid System : ORIGINAL
Collar Eastings : 19975.060
Collar Northings : 20092.500
Collar Elevations : 922.030
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : GREG GILLSTROM
Date : JULY 2, 1990 - JULY 4, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	10.00	INT	Rusty limonitic porphyritic intrusive, 30% clear white and rusty qtz, 65% rusty intrusive with abundant feldspar phenos, 5% dark oxide grains.	16646	2.00	4.00	2.00	2050.	1631.	1591.	2800.	2.5
				16647	4.00	6.00	2.00	2450.	1876.	1500.	3000.	2.8
				16648	6.00	8.00	2.00	2240.	1703.	2143.	3300.	2.9
8.00	10.00		10% argillite.	16649	8.00	10.00	2.00	770.	953.	609.	5200.	1.9
10.00	12.00	ARG	Black argillite, minor white qtz stockwork	16650	10.00	12.00	2.00	390.	237.	219.	4700.	2.8
12.00	16.00	INT	Rusty limonitic porphyritic intrusive, very few intact feldspar phenos, 90% rusty intrusive, 10% rusty qtz.	16651	12.00	14.00	2.00	640.	817.	717.	5400.	1.9
				16652	14.00	16.00	2.00	290.	800.	428.	5600.	1.4
16.00	24.00	SHALE	Soft grey/brown shale, minor white qtz.	16653	16.00	18.00	2.00	820.	814.	438.	9600.	4.3
				16654	18.00	20.00	2.00	79.	414.	259.	3100.	2.2
				16655	20.00	22.00	2.00	95.	423.	255.	2500.	1.5
				16656	22.00	24.00	2.00	250.	447.	267.	2000.	1.7
24.00	26.00	ARG	Black argillite, 30% grey shale.	16657	24.00	26.00	2.00	290.	271.	227.	2900.	1.1
26.00	30.00	SHALE	Soft clay rich grey shale.	16658	26.00	28.00	2.00	56.	170.	132.	1400.	0.4
				16659	28.00	30.00	2.00	35.	161.	126.	2200.	0.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-38
Grid System : ORIGINAL
Collar Eastings : 19975.860
Collar Northings : 20092.500
Collar Elevations : 922.830
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : GREG GILLSTROM
Date : JULY 2, 1990 - JULY 4, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	1.5					2	5														
4.00	6.00	1.5					2	5														
6.00	8.00	1.5					2	5														
8.00	10.00	1.5					2	5														
10.00	12.00								1.5													
12.00	14.00	2					2	10														
14.00	16.00	2.5					2	10														
16.00	18.00																					
18.00	20.00																					
20.00	22.00																					
22.00	24.00																					
24.00	26.00																					
26.00	28.00																					
28.00	30.00																					

MORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PAGE : 1

PROPERTY : BREWERY
HOLE No. : BCRC 90-39
Grid System : ORIGINAL
Collar Eastings : 19995.650
Collar Northings : 20075.770
Collar Elevations : 925.670
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : GREG GILLSTROM
Date : JULY 2, 1990 - JULY 6, 1990
Downhole Survey :
Drilled by : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	14.00	INT	Limonitic porphyritic intrusive; 25% rusty qtz, 5% yellow clay altered feldspar phenos.									
2.00	4.00		May be overburden (???).	16660	2.00	4.00	2.00	1100.	1687.	1271.	3000.	1.6
				16661	4.00	6.00	2.00	3080.	1731.	1064.	2500.	1.2
				16662	6.00	8.00	2.00	1820.	1631.	756.	2900.	1.0
				16663	8.00	10.00	2.00	2100.	1981.	607.	3200.	1.8
				16664	10.00	12.00	2.00	1380.	1316.	520.	8300.	2.6
12.00	14.00		25% argillite.	16665	12.00	14.00	2.00	410.	485.	356.	9400.	2.4
14.00	16.00	ARG	Dense black argillite, minor qtz stockwork 10% rusty intrusive.	16666	14.00	16.00	2.00	1080.	1287.	416.	2900.	1.1
16.00	26.00	INT	Qtz rich limonitic porphyritic intrusive; 60% clear, white and rusty qtz, 20% rusty intrusive, 10% yellow clay altered feldspar phenocrysts.	16667	16.00	18.00	2.00	2010.	1873.	544.	2500.	0.7
				16668	18.00	20.00	2.00	1530.	1341.	457.	2900.	1.3
20.00	22.00		10% argillite.	16669	20.00	22.00	2.00	870.	1132.	634.	8600.	2.9
				16670	22.00	24.00	2.00	540.	629.	262.	5200.	1.7
				16671	24.00	26.00	2.00	330.	456.	310.	3800.	2.1
26.00	30.00	SHALE	Dense grey shale, abundant qtz, washed chips are quite variable. Qtz veining evident on large chips, minor brown shale, sandstone (qtzite??)									
26.00	28.00		30% intrusive.	16672	26.00	28.00	2.00	250.	380.	376.	7700.	1.9
				16673	28.00	30.00	2.00	78.	153.	137.	2300.	0.6

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-39
Grid System : ORIGINAL
Collar Eastings : 19995.650
Collar Northings : 20075.770
Collar Elevations : 925.670
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : GREG GILLSTROM
Date : JULY 2, 1990 - JULY 6, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.00	4.00	1					1	5															
4.00	6.00	1.5					1.5	5															
6.00	8.00	1.5					1.5	5															
8.00	10.00	1.5					1.5	10															
10.00	12.00	1					1	5															
12.00	14.00								1														
14.00	16.00	2					2	10															
16.00	18.00	2					2	10															
18.00	20.00	2					2	10															
20.00	22.00	2					2	10															
22.00	24.00	2					2	10															
24.00	26.00	2					2	10															
26.00	28.00								2														
28.00	30.00								2														

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-40
Grid System : ORIGINAL
Collar Eastings : 20000.200
Collar Northings : 20101.500
Collar Elevations : 932.390
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : GREG GILLSTROM
Date : JULY 3, 1990 - JULY 6, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	16.00	INT	Limonitic, porphyritic intrusive: 70% intrusive clasts, 20% rusty qz, 10% yellow clay altered feldspar phenos.	16674	2.00	4.00	2.00	3010.	1223.	1043.	4800.	3.7
				16675	4.00	6.00	2.00	2450.	1727.	708.	4300.	3.4
				16676	6.00	8.00	2.00	2980.	2032.	926.	5300.	4.3
				16677	8.00	10.00	2.00	1550.	1537.	1002.	5500.	3.8
				16678	10.00	12.00	2.00	1240.	1507.	420.	5700.	2.7
				16679	12.00	14.00	2.00	690.	1224.	501.	7500.	2.0
				16680	14.00	16.00	2.00	480.	1142.	330.	8600.	1.1
16.00	18.00		40% argillite.	16681	16.00	18.00	2.00	510.	750.	300.	7800.	1.8
18.00	24.00	ARG	Dense black argillite. 40% grey/brown and grey/black shale, minor light sandstone (quartzite??). Qz stockwork evident in argillite chips.	16682	18.00	20.00	2.00	112.	258.	114.	2500.	0.9
				16683	20.00	22.00	2.00	53.	183.	84.	2800.	1.4
22.00	24.00		70% argillite, 40% other seds and qz.	16684	22.00	24.00	2.00	20.	119.	80.	5000.	2.2
24.00	26.00	SHALE	Dense grey shale, abundant qz veining. 30% soft brown shale, minor sandtone & argillite.	16685	24.00	26.00	2.00	34.	83.	51.	1800.	1.2
26.00	30.00	ARG	Dense black argillite, 10-15% other seds as above.	16686	26.00	28.00	2.00	14.	68.	46.	4900.	2.0
28.00	30.00		Increase in qtz stockwork.	16687	28.00	30.00	2.00	11.	64.	39.	5400.	2.3

BONANZA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-40
Grid System : ORIGINAL
Collar Eastings : 20000.200
Collar Northings : 20101.500
Collar Elevations : 932.390
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : GREG GILLSTROM
Date : JULY 3, 1990 - JULY 6, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : NC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.00	4.00	1.5					1.5	10															
4.00	6.00	1.5					1.5	10															
6.00	8.00	1.5					1.5	10															
8.00	10.00	1.5					1.5	10															
10.00	12.00	1.5					1.5	10															
12.00	14.00	1.5					1.5	10															
14.00	16.00	1.5					1.5	10															
16.00	18.00	1.5					1.5	10															
18.00	20.00								1														
20.00	22.00								1														
22.00	24.00								1														
24.00	26.00								2.5														
26.00	28.00								1.5														
28.00	30.00								2														

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMNER
HOLE No. : BCRC 90-41
Grid System : ORIGINAL
Collar Eastings : 19980.310
Collar Northings : 20135.510
Collar Elevations : 930.740
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	24.00	ARG	Dense black argillite with qz stockwork.	16688	2.00	4.00	2.00					
				16689	4.00	6.00	2.00					
				16690	6.00	8.00	2.00					
8.00	16.00		Minor brown shale (10-20%).	16691	8.00	10.00	2.00					
				16692	10.00	12.00	2.00					
				16693	12.00	14.00	2.00					
				16694	14.00	16.00	2.00					
				16695	16.00	18.00	2.00					
				16696	18.00	20.00	2.00					
				16697	20.00	22.00	2.00					
22.00	24.00		40% soft brown shale.	16698	22.00	24.00	2.00					
24.00	30.00	SHALE	Soft grey/brown and brown shale, 20% argillite.	16699	24.00	26.00	2.00					
26.00	28.00		40% argillite.	16700	26.00	28.00	2.00					
28.00	30.00		5% argillite.	16701	28.00	30.00	2.00					

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-41
Grid System : ORIGINAL
Collar Eastings : 19980.310
Collar Northings : 20135.510
Collar Elevations : 930.740
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

GEOCHEMICAL SAMPLES										GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00							2														
4.00	6.00							2														
6.00	8.00							2														
8.00	10.00							2														
10.00	12.00							2														
12.00	14.00							2														
14.00	16.00							2														
16.00	18.00							2														
18.00	20.00							2														
20.00	22.00							2														

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-42
Grid System : ORIGINAL
Collar Eastings : 19957.200
Collar Northings : 20131.750
Collar Elevations : 925.050
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	12.00	ARG	Dense black argillite & grey shale.									
2.00	4.00		40% rusty intrusive, and qtz. (Interval from 0-3 may be overburden)	16702	2.00	4.00	2.00	29.	171.	64.	5900.	2.9
				16703	4.00	6.00	2.00	20.	113.	41.	5700.	3.3
				16704	6.00	8.00	2.00	24.	85.	36.	6500.	4.5
				16705	8.00	10.00	2.00	28.	101.	47.	9000.	3.6
10.00	12.00		20% Rusty brown shale.	16706	10.00	12.00	2.00	24.	101.	52.	3800.	2.8
12.00	30.00	SHALE	Rusty brown shale, minor green/grey shale, banded sandstone, siltstone and argillite.	16707	12.00	14.00	2.00	16.	121.	48.	1500.	2.2
				16708	14.00	16.00	2.00	22.	125.	51.	3100.	2.7
				16709	16.00	18.00	2.00	15.	91.	46.	1300.	1.5
				16710	18.00	20.00	2.00	11.	82.	33.	1600.	1.3
				16711	20.00	22.00	2.00	10.	87.	33.	800.	1.1
				16712	22.00	24.00	2.00	15.	96.	37.	1300.	1.0
				16713	24.00	26.00	2.00	14.	85.	33.	1700.	0.8
				16714	26.00	28.00	2.00	9.	84.	30.	1200.	0.5
				16715	28.00	30.00	2.00	25.	88.	46.	1400.	0.6

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-42
Grid System : ORIGINAL
Collar Eastings : 19957.200
Collar Northings : 20131.750
Collar Elevations : 925.050
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-43
Grid System : ORIGINAL
Collar Eastings : 19976.800
Collar Northings : 20107.600
Collar Elevations : 926.280
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	CASING									
2.00	4.00	ARG	Black argillite, 40% rusty intrusive.	16716	2.00	4.00	2.00	33.	442.	122.	5600.	1.8
4.00	8.00	INT	Rusty limonitic porphyritic intrusive, 10% argillite. 40% argillite.	16717	4.00	6.00	2.00	143.	920.	190.	5800.	1.6
6.00	8.00			16718	6.00	8.00	2.00	116.	514.	142.	11000.	2.8
8.00	14.00	ARG	Grey/black argillite, intense quartz stockwork. 20% Quartz rich intrusive.	16719	8.00	10.00	2.00	49.	175.	60.	6200.	2.7
				16720	10.00	12.00	2.00	38.	112.	43.	3800.	2.6
12.00	14.00			16721	12.00	14.00	2.00	29.	178.	62.	2600.	2.2
14.00	18.00	INT	Rusty, quartz rich limonitic intrusive; yellow clay altered feldspar phenocrysts. 40% quartz.									
14.00	16.00		10% black argillite with quartz.	16722	14.00	16.00	2.00	15.	163.	59.	2800.	1.8
16.00	18.00		60% grey/blue quartz; 20% altered intrusive; 20% black argillite.	16723	16.00	18.00	2.00	22.	81.	37.	1600.	0.9
18.00	30.00	ARG	Black argillite with 20% quartz veining. 20% Tan intrusive. 40% Tan intrusive some greenish argillic altered feldspars; most are white. 4% Tan intrusive.	16724	18.00	20.00	2.00	22.	82.	42.	3000.	1.0
20.00	22.00			16725	20.00	22.00	2.00	20.	118.	48.	2400.	1.2
22.00	24.00			16726	22.00	24.00	2.00	18.	138.	49.	2100.	1.1
24.00	26.00			16727	24.00	26.00	2.00	17.	108.	45.	2200.	1.0
				16728	26.00	28.00	2.00	10.	65.	32.	3900.	0.8
28.00	30.00		30% White quartz veining.	16729	28.00	30.00	2.00	7.	55.	30.	3400.	0.7

BOKAMPA EXPLORATION CO. (U.K.)

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-43
Grid System : ORIGINAL
Collar Eastings : 19976.000
Collar Northings : 20107.600
Collar Elevations : 926.280
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

FROM	TO	Arg	Sil	Serc	GEOCHEMICAL SAMPLES Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00									
4.00	6.00	1.5				2	10			
6.00	8.00								1	
8.00	10.00								3	
10.00	12.00									
12.00	14.00	1.5				2	5	1		1
14.00	16.00	1.5				2	5	1		1
16.00	18.00						1	4		1
18.00	20.00								2	
20.00	22.00	2				1.5	5		2	
22.00	24.00	2				1.5	5		2	
24.00	26.00	2				1.5	5		2	
26.00	28.00								2	
28.00	30.00								2	

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-44
Grid System : ORIGINAL
Collar Eastings : 19930.010
Collar Northings : 20132.560
Collar Elevations : 916.880
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	8.00	ARG	Dark grey to black argillite with qtz stockwork veining.									
2.00	4.00		10% limonitic intrusive.	16730	2.00	4.00	2.00	9.	100.	79.	12200.	2.0
				16731	4.00	6.00	2.00	12.	79.	89.	18000.	2.7
				16732	6.00	8.00	2.00	18.	40.	35.	19200.	2.0
8.00	10.00	INT	Limonitic qz rich intrusive. Feldspar phenos. 50% argillite with qtz stockwork.	16733	8.00	10.00	2.00	15.	58.	35.	10800.	1.9
10.00	30.00	ARG	Dark grey to black argillite with white hairline qtz stockwork veining.	16734	10.00	12.00	2.00	8.	44.	35.	14000.	2.9
				16735	12.00	14.00	2.00	9.	51.	33.	9100.	2.5
				16736	14.00	16.00	2.00	4.	36.	14.	4800.	2.7
				16737	16.00	18.00	2.00	5.	29.	12.	5000.	2.8
				16738	18.00	20.00	2.00	2.	27.	11.	6300.	2.7
				16739	20.00	22.00	2.00	9.	40.	20.	11200.	1.7
22.00	28.00		5-10% limonitic intrusive.	16740	22.00	24.00	2.00	13.	64.	27.	3200.	1.4
				16741	24.00	26.00	2.00	11.	68.	32.	2800.	1.1
				16742	26.00	28.00	2.00	21.	51.	21.	2100.	0.7
				16743	28.00	30.00	2.00	16.	46.	21.	1700.	1.4

BUKANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREMERY
HOLE No. : BCRC 90-44
Grid System : ORIGINAL
Collar Eastings : 19930.010
Collar Northings : 20132.560
Collar Elevations : 916.880
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00								3													
4.00	6.00								3													
6.00	8.00								3													
8.00	10.00	2.5						3	3													
10.00	12.00								3													
12.00	14.00								3													
14.00	16.00								3													
16.00	18.00								3													
18.00	20.00								2													
20.00	22.00								2													
22.00	24.00							1	2													
24.00	26.00							1	2													
26.00	28.00							1	2													
28.00	30.00								2													

MORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-45
Grid System : ORIGINAL
Collar Eastings : 19954.440
Collar Northings : 20189.500
Collar Elevations : 921.260
Collar Bearing : 999.99
Grid Baseline : 66.80

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : RICK DIMERT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	8.00	ARG	Dark grey argillite - minor qtz stockwork.	16744	2.00	4.00	2.00	57.	208.	124.	5300.	4.9
				16745	4.00	6.00	2.00	50.	123.	83.	7100.	3.7
				16746	6.00	8.00	2.00	64.	188.	123.	9300.	3.6
8.00	12.00	INT	Limonitic qtz rich intrusive.									
8.00	10.00		35% argillite with qtz stockwork.	16747	8.00	10.00	2.00	38.	292.	153.	6500.	1.8
10.00	12.00		30% argillite with qtz stockwork.	16748	10.00	12.00	2.00	33.	185.	91.	8100.	0.9
12.00	16.00	ARG	Dark grey to black argillite with white qtz stockwork veining.									
12.00	14.00		30% limonitic intrusive.	16749	12.00	14.00	2.00	33.	136.	73.	7200.	1.6
14.00	16.00		10% limonitic intrusive.	16750	14.00	16.00	2.00	16.	105.	57.	4800.	1.5
16.00	30.00	SHALE	Medium grey fissile shale. Very clay rich in unwashed split. Minor qtz veining.	16751	16.00	18.00	2.00	14.	147.	61.	2500.	1.0
				16752	18.00	20.00	2.00	17.	131.	68.	2600.	0.5
				16753	20.00	22.00	2.00	12.	88.	50.	1500.	0.5
				16754	22.00	24.00	2.00	10.	89.	57.	1600.	0.4
				16755	24.00	26.00	2.00	12.	89.	51.	1300.	0.5
				16756	26.00	28.00	2.00	27.	112.	55.	1800.	0.5
				16757	28.00	30.00	2.00	13.	90.	48.	1200.	0.4

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-45
Grid System : ORIGINAL
Collar Eastings : 19954.440
Collar Northings : 20109.500
Collar Elevations : 921.260
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00								1													
4.00	6.00								1													
6.00	8.00								2													
8.00	10.00	2.5						3	2													
10.00	12.00	2.5						3	2													
12.00	14.00							1	3													
14.00	16.00							1	3													
16.00	18.00							1	2													
18.00	20.00							1	1													
20.00	22.00							1	1													
22.00	24.00							1	1													
24.00	26.00							1	1													
26.00	28.00							1	1													
28.00	30.00							1	1													

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-46
Grid System : ORIGINAL
Collar Eastings : 19951.430
Collar Northings : 20086.010
Collar Elevations : 916.720
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : GORD McKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	14.00	INT	Orange/tan limonitic intrusive.									
2.00	4.00		Minor black argillite with qtz veining.	16758	2.00	4.00	2.00	540.	843.	279.	2500.	0.5
			Large feldspar porphyrys altered to clay.	16759	4.00	6.00	2.00	137.	514.	93.	1600.	0.1
			Sericite prevalent.	16760	6.00	8.00	2.00	116.	575.	80.	2100.	0.1
8.00	10.00		Increase in limonite (redder).	16761	8.00	10.00	2.00	2440.	1981.	381.	2200.	0.6
				16762	10.00	12.00	2.00	233.	701.	104.	1800.	0.1
12.00	14.00		20% black argillite with qz veins.	16763	12.00	14.00	2.00	201.	319.	70.	2600.	0.3
14.00	16.00	ARG	Contact 13.6 m =>16m. Black argillite with qtz veining. No Sb at contacts.	16764	14.00	16.00	2.00	69.	129.	46.	4300.	1.7
16.00	20.00	INT	Tan limonitic intrusive. Very weak textures. 2% Mn stain.	16765	16.00	18.00	2.00	37.	215.	78.	2300.	1.1
				16766	18.00	20.00	2.00	7.	207.	88.	2000.	2.0
20.00	30.00	ARG										
20.00	26.00		60% black qtz veined argillite. 40% orange\tan intrusive.	16767	20.00	22.00	2.00	10.	123.	63.	3400.	1.4
				16768	22.00	24.00	2.00	8.	187.	48.	4800.	0.5
				16769	24.00	26.00	2.00	45.	192.	56.	3500.	0.5
26.00	30.00		Black qz veined argillite.	16770	26.00	28.00	2.00	22.	98.	40.	2100.	0.6
				16771	28.00	30.00	2.00	45.	116.	58.	1300.	0.6

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-46
Grid System : ORIGINAL
Collar Eastings : 19951.430
Collar Northings : 20086.010
Collar Elevations : 916.720
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : GORD McKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2					2.5	5		1												
4.00	6.00	2					2.5	5		1												
6.00	8.00	2					2.5	5		1												
8.00	10.00	2					2.5	10		1												
10.00	12.00	2					2.5	10		1												
12.00	14.00	2					2.5	10		1												
14.00	16.00								2													
16.00	18.00	1.5					2.5	5		1												
18.00	20.00	1.5					2.5	5		1												
20.00	22.00	1.5					2.5	5	2.5	1												
22.00	24.00	1.5					2.5	5	2.5	1												
24.00	26.00	1.5					2.5	5	2.5	1												
26.00	28.00								2													
28.00	30.00								2													

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-47
Grid System : ORIGINAL
Collar Eastings : 20226.050
Collar Northings : 19957.420
Collar Elevations : 943.790
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : GORD MACKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	20.00	INT	Orange/tan altered intrusive. Minor sulfide - pyrite; commonly with Mn stain coating & minor calcite.	16772	2.00	4.00	2.00	114.	658.	323.	1400.	0.3
				16773	4.00	6.00	2.00	250.	649.	331.	1300.	0.6
				16774	6.00	8.00	2.00	200.	646.	365.	1800.	1.4
				16775	8.00	10.00	2.00	87.	783.	386.	2800.	2.3
				16776	10.00	12.00	2.00	630.	722.	195.	2100.	1.6
				16777	12.00	14.00	2.00	2300.	1499.	299.	3900.	1.6
				16778	14.00	16.00	2.00	95.	332.	340.	1500.	0.6
16.00	20.00		Large silver green sericite after biotite.	16779	16.00	18.00	2.00	54.	281.	336.	830.	0.5
				16780	18.00	20.00	2.00	99.	271.	332.	1600.	0.7
20.00	30.00	ARG	Tan, green/black mudstone to argillite.	16781	20.00	22.00	2.00	27.	309.	271.	1800.	1.6
				16782	22.00	24.00	2.00	8.	88.	91.	300.	0.2
24.00	26.00		80% tan mudstone.	16783	24.00	26.00	2.00	13.	97.	112.	810.	0.3
				16784	26.00	28.00	2.00	8.	40.	37.	460.	0.2
28.00	30.00		Wet.	16785	28.00	30.00	2.00	14.	36.	52.	320.	0.1

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-47
Grid System : ORIGINAL
Collar Eastings : 20226.050
Collar Northings : 19957.420
Collar Elevations : 943.790
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : GORD MACKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sr %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2					2.5	5		1												
4.00	6.00	2						5														
6.00	8.00	2					3	5		2												
8.00	10.00	2			1		3	5		2												
10.00	12.00	2			1		3	5		2												
12.00	14.00	2			1		3	5		2												
14.00	16.00	2					2.5	5		2												
16.00	18.00	2					2.5	5		2												
18.00	20.00	2					2.5	5		2												
20.00	22.00																					
22.00	24.00																					
24.00	26.00																					
26.00	28.00																					
28.00	30.00																					

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREMERY
HOLE No. : BCRC 90-48
Grid System : ORIGINAL
Collar Eastings : 20230.240
Collar Northings : 19981.990
Collar Elevations : 953.740
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : GORD MACKAY
Date : JULY 6, 1990 - JULY 11, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	16.00	INT	Orange tan altered intrusive.	16786	2.00	4.00	2.00	22.	225.	67.	1900.	0.3
			60-70% qtz, 1% remnant sulfides, larger	16787	4.00	6.00	2.00	18.	180.	60.	2100.	0.7
			silver green sericite after biotite.	16788	6.00	8.00	2.00	810.	571.	245.	1700.	0.7
				16789	8.00	10.00	2.00	580.	445.	194.	1800.	0.9
10.00	12.00		Very little int. texture.	16790	10.00	12.00	2.00	61.	290.	106.	1700.	0.4
12.00	14.00		Minor clear qtz.	16791	12.00	14.00	2.00	16.	167.	103.	1100.	0.2
14.00	16.00		60% orange tan altered intrusive, 40%	16792	14.00	16.00	2.00	25.	260.	180.	1600.	0.5
			black argillite with some qtz stockwork.									
16.00	18.00	ARG	80% Black argillite with minor qtz	16793	16.00	18.00	2.00	22.	304.	205.	2900.	1.9
			stockwork.									
18.00	30.00	SEDS										
18.00	20.00		Tan green black mudstone to argillite.	16794	18.00	20.00	2.00	17.	296.	162.	1800.	2.7
20.00	30.00		Green & tan siltstone to mudstone.	16795	20.00	22.00	2.00	30.	165.	143.	1400.	3.3
			Minor blueish qtz.	16796	22.00	24.00	2.00	19.	227.	125.	1200.	1.6
				16797	24.00	26.00	2.00	9.	193.	135.	800.	0.3
				16798	26.00	28.00	2.00	14.	111.	88.	420.	0.6
				16799	28.00	30.00	2.00	12.	60.	54.	320.	0.5

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-48
Grid System : ORIGINAL
Collar Eastings : 20230.240
Collar Northings : 19981.990
Collar Elevations : 953.740
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : GORD MACKAY
Date : JULY 6, 1990 - JULY 11, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2					2.5	5		1												
4.00	6.00	2					2.5	5														
6.00	8.00	2					2.5	5														
8.00	10.00	2					3	5														
10.00	12.00	2					3	5	1.5													
12.00	14.00	2					3	5	1.5													
14.00	16.00	2							2													
16.00	18.00								1													
18.00	20.00																					
20.00	22.00																					
22.00	24.00																					
24.00	26.00																					
26.00	28.00																					
28.00	30.00																					

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-49
Grid System : ORIGINAL
Collar Eastings : 20264.380
Collar Northings : 20019.230
Collar Elevations : 962.110
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : GORD MACKAY
Date : JULY 6, 1990 - JULY 7, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	18.00	SEDS										
2.00	4.00		30% altered intrusive, 30% black argillite.	16800	2.00	4.00	2.00	19.	988.	731.	2800.	1.3
4.00	18.00		Mixed seds. Black argillite, green & tan mudstone and siltstone, blueish grey fine quartzite.	16801	4.00	6.00	2.00	5.	94.	335.	790.	0.2
				16802	6.00	8.00	2.00	19.	74.	289.	720.	0.2
				16803	8.00	10.00	2.00	10.	95.	338.	1100.	0.1
				16804	10.00	12.00	2.00	14.	77.	273.	800.	0.3
				16805	12.00	14.00	2.00	29.	126.	244.	1800.	1.4
				16806	14.00	16.00	2.00	9.	105.	142.	1700.	2.0
				16807	16.00	18.00	2.00	19.	170.	146.	1500.	1.1
18.00	20.00	INT	Bleached intrusive. Minor electric green transparent mineral.	16808	18.00	20.00	2.00	17.	113.	100.	5100.	2.3
20.00	24.00	ARG	Black argillite. tan/green mudstone/ siltstone. Some qtz veining.	16809	20.00	22.00	2.00	21.	52.	78.	1700.	0.8
				16810	22.00	24.00	2.00	41.	68.	102.	1500.	2.9
24.00	30.00	INT	Intensely altered intrusive. 70-80% qtz; very weak texture. Remnant, defined by very fine sericite and pervasively clay altered feldspars. 1% pyrite altered to hematite.	16811	24.00	26.00	2.00	250.	301.	111.	2900.	2.6
				16812	26.00	28.00	2.00	260.	529.	81.	1200.	2.3
				16813	28.00	30.00	2.00	14.	329.	33.	2500.	1.2

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREMNER
HOLE No. : BCRC 90-49
Grid System : ORIGINAL
Collar Eastings : 20264.380
Collar Northings : 20019.230
Collar Elevations : 962.110
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : GORD MACKAY
Date : JULY 6, 1990 - JULY 7, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.00	4.00	2					3	5															
4.00	6.00																						
6.00	8.00																						
8.00	10.00																						
10.00	12.00																						
12.00	14.00																						
14.00	16.00																						
16.00	18.00																						
18.00	20.00	2.5					3.5	5		1													
20.00	22.00																						
22.00	24.00																						
24.00	26.00	3					3.5			1													
26.00	28.00	3					3.5			1													
28.00	30.00	3					3.5			1													

BORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMNER
HOLE No. : BCRC 90-50
Grid System : ORIGINAL
Collar Eastings : 20927.460
Collar Northings : 20007.110
Collar Elevations : 1068.280
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM.
Date : JULY 9, 1990 - JULY 11, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : NC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	4.00	INT	Intense phyllic alteration. Reddish orange to tan; very weak remnant texture.	16814	2.00	4.00	2.00	10980.	1728.	809.	6800.	2.5
4.00	16.00	BARITE	Blueish grey fine grained barite.	16815	4.00	6.00	2.00	880.	276.	51.	2300.	0.4
				16816	6.00	8.00	2.00	94.	111.	16.	1900.	0.2
				16817	8.00	10.00	2.00	63.	54.	9.	1300.	0.2
				16818	10.00	12.00	2.00	144.	30.	11.	710.	0.3
				16819	12.00	14.00	2.00	26.	43.	6.	1600.	0.4
				16820	14.00	16.00	2.00	27.	68.	12.	950.	0.1
16.00	20.00	SHALE	Greenish grey shale.	16821	16.00	18.00	2.00	23.	55.	5.	5600.	0.3
				16822	18.00	20.00	2.00	27.	81.	8.	1400.	0.5
20.00	24.00	INT	50% altered intrusive, 30% black argillite and 20% mudstone	16823	20.00	22.00	2.00	188.	1111.	16.	4400.	0.7
22.00	24.00		30% altered intrusive.	16824	22.00	24.00	2.00	39.	186.	8.	4200.	0.3
24.00	40.00	SHALE	Greenish grey shale.	16825	24.00	26.00	2.00	15.	52.	4.	1500.	0.1
26.00	40.00		Limy shale, strong rxn HCl with calcite veining from 32-38 m.	16826	26.00	28.00	2.00	2.	15.	2.	1100.	0.1
				16827	28.00	30.00	2.00	7.	17.	2.	700.	0.1
				16828	30.00	32.00	2.00	5.	12.	3.	750.	0.2
				16829	32.00	34.00	2.00	11.	20.	2.	640.	0.1
				16830	34.00	36.00	2.00	1.	24.	2.	760.	0.1
				16831	36.00	38.00	2.00	2.	20.	2.	1200.	0.1
				16832	38.00	40.00	2.00	2.	16.	2.	1800.	0.1
40.00	50.00	ARG	Very graphitic argillite (black powder) with calcite veining.	16833	40.00	42.00	2.00	2.	46.	4.	4900.	0.1
				16834	42.00	44.00	2.00	2.	54.	3.	4000.	0.1
				16835	44.00	46.00	2.00	3.	49.	6.	2500.	0.1
				16836	46.00	48.00	2.00	60.	55.	5.	2700.	0.5
				16837	48.00	50.00	2.00	72.	68.	5.	2600.	0.8

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-50
Grid System : ORIGINAL
Collar Eastings : 20927.460
Collar Northings : 20007.110
Collar Elevations : 1068.280
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM.
Date : JULY 9, 1990 - JULY 11, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.00	4.00	3					3.5	5		1													
4.00	6.00																						
6.00	8.00																						
8.00	10.00																						
10.00	12.00																						
12.00	14.00																						
14.00	16.00																						
16.00	18.00																						
18.00	20.00																						
20.00	22.00						3.5	7		1													
22.00	24.00						3	5		1													
24.00	26.00																						
26.00	28.00																						
28.00	30.00																						
30.00	32.00																						
32.00	34.00																						
34.00	36.00																						
36.00	38.00																						
38.00	40.00																						
40.00	42.00																						
42.00	44.00																						
44.00	46.00																						
46.00	48.00																						
48.00	50.00																						

MORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-51
Grid System : ORIGINAL
Collar Eastings : 20928.150
Collar Northings : 19984.590
Collar Elevations : 1062.840
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : JULY 7, 1990 - JULY 10, 1990
Downhole Survey :
Drilled By :
Core Size : NC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	36.00	INT										
0.00	2.00		Casing, no recovery. Weathered biotite and k-spar rich porphyry intrusive.									
2.00	8.00		Calcareous intrusive.	16838	2.00	4.00	2.00	850.	1071.	42.	5400.	0.2
				16839	4.00	6.00	2.00	1580.	1631.	49.	7100.	0.4
				16840	6.00	8.00	2.00	1420.	1515.	590.	5000.	0.4
8.00	12.00		Non calcareous.	16841	8.00	10.00	2.00	500.	996.	270.	1300.	0.1
				16842	10.00	12.00	2.00	1600.	1691.	286.	5200.	0.4
12.00	16.00		Abundant fresh biotite and clay altered k-spar, green/grey feldspar and qtz matrix "qz monzonite".	16843	12.00	14.00	2.00	230.	547.	51.	2100.	0.1
				16844	14.00	16.00	2.00	720.	876.	42.	2800.	0.2
16.00	20.00		Calcareous matrix, increase in alteration, no fresh biotite.	16845	16.00	18.00	2.00	780.	717.	116.	2400.	0.4
				16846	18.00	20.00	2.00	990.	881.	126.	2100.	0.3
20.00	22.00		Qtz monzonite (as 12-16).	16847	20.00	22.00	2.00	160.	187.	37.	1400.	0.1
22.00	30.00		As 16-20.	16848	22.00	24.00	2.00	980.	1365.	57.	2300.	0.6
				16849	24.00	26.00	2.00	450.	661.	23.	2500.	0.1
				16850	26.00	28.00	2.00	290.	356.	25.	3400.	0.1
				16851	28.00	30.00	2.00	930.	852.	45.	3200.	0.1
30.00	32.00		20% rusty red qtz.	16852	30.00	32.00	2.00	7610.	2652.	140.	2700.	1.4
32.00	34.00		40% rusty red qtz, 5% argillite.	16853	32.00	34.00	2.00	11050.	3692.	106.	4300.	2.3
34.00	36.00		60% white and rusty qtz.	16854	34.00	36.00	2.00	3100.	2237.	115.	3300.	1.3
36.00	38.00	ARG	Black dense argillite, qtz stockwork.	16855	36.00	38.00	2.00	240.	1148.	60.	6700.	3.0
38.00	40.00	INT	Altered limonitic porphyritic intrusive. 70% white qtz, 10% arg. High argillic alteration.	16856	38.00	40.00	2.00	230.	954.	52.	4700.	1.0
40.00	42.00	BARITE	Blue/grey barite	16857	40.00	42.00	2.00	39.	338.	32.	1500.	0.2
42.00	50.00	ARG	Dark black graphitic argillite. Very calcareous, calcite and qz veining.	16858	42.00	44.00	2.00	13.	60.	11.	1300.	0.2
				16859	44.00	46.00	2.00	16.	35.	3.	400.	0.1
				16860	46.00	48.00	2.00	4.	25.	4.	150.	0.3
				16861	48.00	50.00	2.00	4.	22.	4.	120.	0.2

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-51
Grid System : ORIGINAL
Collar Eastings : 20928.150
Collar Northings : 19984.590
Collar Elevations : 1062.840
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : JULY 7, 1990 - JULY 10, 1990
Downhole Survey :
Drilled By :
Core Size : BC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	1			2	1.5	1-3	1														
4.00	6.00	1			3	1.5	1-3	1														
6.00	8.00	1			1	1.5	1-3	1														
8.00	10.00	1.5				1	1-3	1														
10.00	12.00	1				1	1-3	1		TR												
12.00	14.00	1.5				1	1-3	1														
14.00	16.00	1.5				1	1-3	1														
16.00	18.00	2.5			2	2	3-5	1.5														
18.00	20.00	2.5			1	2	1-3	1.5														
20.00	22.00	1.5			2	1	1-3															
22.00	24.00	2			2	1.5	3-5															
24.00	26.00	2			3	1.5	3-5															
26.00	28.00	2			2	1.5	3-5															
28.00	30.00	2				1.5	3-5															
30.00	32.00	2				2	1-3	2.5														
32.00	34.00	2				2.5	1-3	3														
34.00	36.00	2				2.5	1-3	3														
36.00	38.00							1.5														
38.00	40.00	3				2.5	1-3	3														
40.00	42.00							2														
42.00	44.00				3.5			1.5														
44.00	46.00				3.5			1.5														
46.00	48.00				3.5			1.5														
48.00	50.00				3.5			1.5														

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PAGE : 1

PROPERTY : BREWERY
HOLE No. : BCRC 90-52
Grid System : ORIGINAL
Collar Eastings : 20927.910
Collar Northings : 19964.670
Collar Elevations : 1055.730
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : GREG GILLSTROM
Date : JULY 6, 1990 - JULY 10, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	30.00	INT	Green\grey biotite and k-spar rich porphyry intrusive. Calcareous matrix. (Quartz monzonite/syenite?)	16862	2.00	4.00	2.00	94.	151.	102.	910.	0.2
				16863	4.00	6.00	2.00	16.	65.	36.	180.	0.1
				16864	6.00	8.00	2.00	29.	163.	38.	230.	0.1
				16865	8.00	10.00	2.00	14.	53.	13.	110.	0.1
10.00	12.00		30% rusty intrusive, clay altered feldspar phenos and rusty qtz.	16866	10.00	12.00	2.00	57.	322.	58.	680.	0.2
				16867	12.00	14.00	2.00	26.	64.	29.	200.	0.3
				16868	14.00	16.00	2.00	3.	67.	44.	220.	0.2
16.00	28.00		20-40% rusty intrusive and qz. 10% blue, biotite rich qtz at 24-26m.	16869	16.00	18.00	2.00	530.	560.	330.	540.	0.5
				16870	18.00	20.00	2.00	50.	165.	125.	210.	0.1
				16871	20.00	22.00	2.00	109.	361.	299.	940.	0.1
				16872	22.00	24.00	2.00	51.	144.	94.	400.	0.1
				16873	24.00	26.00	2.00	320.	339.	386.	430.	0.2
				16874	26.00	28.00	2.00	220.	493.	319.	450.	0.2
				16875	28.00	30.00	2.00	52.	218.	138.	420.	0.1

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-52
Grid System : ORIGINAL
Collar Eastings : 20927.910
Collar Northings : 19964.670
Collar Elevations : 1055.730
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : GREG GILLSTROM
Date : JULY 6, 1990 - JULY 10, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.00	4.00																						
4.00	6.00				2																		
6.00	8.00				3																		
8.00	10.00				3	1																	
10.00	12.00	1.5			3			1-3															
12.00	14.00				3																		
14.00	16.00				3	1																	
16.00	18.00	1.5			3	1		1-3															
18.00	20.00	1.5			3	1		1-3															
20.00	22.00	1.5			3	1		1-3															
22.00	24.00	1.5			3.5	1		1-3															
24.00	26.00	1.5			3	1		1-3	1.5														
26.00	28.00	1.5			3	1		1-3															
28.00	30.00	1.5			3																		

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREMERY
HOLE No. : BCRC 90-53
Grid System : ORIGINAL
Collar Eastings : 20866.550
Collar Northings : 20047.750
Collar Elevations : 1072.870
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : JULY 9, 1990 - JULY 11, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	8.00	BARITE	Bedded grey/blue barite.									
2.00	4.00		20% shale.	16876	2.00	4.00	2.00	102.	64.	40.	1200.	0.6
				16877	4.00	6.00	2.00	11.	25.	11.	510.	0.3
				16878	6.00	8.00	2.00	10.	14.	5.	350.	0.4
8.00	40.00	SHALE	Grey/black, green and brown shale. Minor black argillite and brown mudstone.									
8.00	10.00		5% barite.	16879	8.00	10.00	2.00	7.	12.	5.	340.	0.4
				16880	10.00	12.00	2.00	25.	74.	11.	540.	0.5
				16881	12.00	14.00	2.00	18.	31.	9.	220.	0.3
				16882	14.00	16.00	2.00	14.	26.	5.	150.	0.2
				16883	16.00	18.00	2.00	24.	19.	5.	300.	0.4
				16884	18.00	20.00	2.00	12.	24.	6.	240.	0.5
20.00	28.00		Calcite veining, abundant calcareous shales.	16885	20.00	22.00	2.00	7.	31.	3.	180.	0.5
				16886	22.00	24.00	2.00	13.	41.	8.	290.	0.7
				16887	24.00	26.00	2.00	12.	95.	16.	620.	1.0
				16888	26.00	28.00	2.00	2.	99.	10.	520.	0.9
28.00	38.00		70% green calcareous shales - calcite veining continues.	16889	28.00	30.00	2.00	6.	26.	5.	260.	0.4
				16890	30.00	32.00	2.00	1.	14.	2.	230.	0.4
				16891	32.00	34.00	2.00	7.	57.	4.	350.	0.4
				16892	34.00	36.00	2.00	1.	27.	2.	280.	0.6
				16893	36.00	38.00	2.00	3.	20.	2.	210.	0.4
38.00	40.00		40% argillite.	16894	38.00	40.00	2.00	5.	24.	2.	110.	0.4
40.00	50.00	ARG	Black, graphitic argillite.									
40.00	46.00		10-25% calcareous shale.	16895	40.00	42.00	2.00	13.	21.	4.	70.	0.6
				16896	42.00	44.00	2.00	13.	20.	8.	110.	0.8
				16897	44.00	46.00	2.00	10.	21.	7.	240.	0.8
				19898	46.00	48.00	2.00	9.	36.	9.	350.	2.4
				16899	48.00	50.00	2.00	3.	41.	5.	450.	3.1

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-53
Grid System : ORIGINAL
Collar Eastings : 20866.550
Collar Northings : 20047.750
Collar Elevations : 1072.870
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : JULY 9, 1990 - JULY 11, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES										GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00																					
4.00	6.00																					
6.00	8.00																					
8.00	10.00																					
10.00	12.00																					
12.00	14.00																					
14.00	16.00																					
16.00	18.00																					
18.00	20.00				1																	
20.00	22.00				3																	
22.00	24.00				3																	
24.00	26.00				3																	
26.00	28.00				3																	
28.00	30.00				2																	
30.00	32.00				3																	
32.00	34.00				3																	
34.00	36.00				3																	
36.00	38.00				3																	
38.00	40.00				3																	
40.00	42.00				2																	
42.00	44.00				1																	
44.00	46.00				2																	
46.00	48.00							1														
48.00	50.00							1														

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-54
Grid System : ORIGINAL
Collar Eastings : 20863.720
Collar Northings : 20026.700
Collar Elevations : 1070.570
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : JULY 10, 1990 - JULY 11, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	12.00	INT	Rusty limonitic porphyritic intrusive. 40-70% white andrusty qz; abundant sericite and clay altered feldspar phenos.	16900	2.00	4.00	2.00	4130.	1924.	23.	4100.	1.0
				16901	4.00	6.00	2.00	6730.	3996.	28.	3500.	1.4
				16902	6.00	8.00	2.00	17680.	7125.	44.	6600.	3.5
8.00	10.00		(Bleached) 90% white and rusty qtz with associated kaolinite and sericite.	16903	8.00	10.00	2.00	24480.	7485.	46.	6900.	3.4
10.00	12.00		40% black argillite, 60% as 8-10m	16904	10.00	12.00	2.00	8400.	2206.	32.	5400.	2.1
12.00	16.00	ARG	Dense black argillite, minor qtz stock-work. 10-20% white and rusty qz.	16905	12.00	14.00	2.00	2760.	1132.	26.	5500.	2.8
				16906	14.00	16.00	2.00	390.	551.	18.	2600.	1.2
16.00	18.00	INT	Intrusive (ref. 8-10). Intense alteration.	16907	16.00	18.00	2.00	280.	463.	29.	2800.	1.0
18.00	20.00	ARG	Black argillite, 10% altered intrusive and qz.	16908	18.00	20.00	2.00	210.	460.	54.	7800.	2.2
20.00	22.00	INT	Intrusive (as 8-10m) intense alteration.	16909	20.00	22.00	2.00	210.	334.	24.	14000.	0.6
22.00	38.00	BARITE	Barite with minor soft grey/green and brown shale. Barite is light blue/grey and often shows thin bedding.	16910	22.00	24.00	2.00	98.	203.	23.	1800.	0.4
				16911	24.00	26.00	2.00	78.	143.	14.	1500.	0.3
				16912	26.00	28.00	2.00	10.	105.	6.	1400.	0.2
				16913	28.00	30.00	2.00	13.	54.	5.	440.	0.1
				16914	30.00	32.00	2.00	7.	43.	9.	660.	0.1
				16915	32.00	34.00	2.00	39.	25.	2.	370.	0.2
				16916	34.00	36.00	2.00	24.	16.	3.	460.	0.3
36.00	38.00		40% shale.	16917	36.00	38.00	2.00	37.	46.	5.	550.	0.2
38.00	50.00	SHALE	Grey/black green and brown shale. Minor black argillite and brown mudstone.	16918	38.00	40.00	2.00	22.	29.	2.	820.	0.2
				16919	40.00	42.00	2.00	80.	43.	2.	900.	0.2
				16920	42.00	44.00	2.00	38.	34.	2.	600.	0.2
				16921	44.00	46.00	2.00	29.	29.	2.	960.	0.2
				16922	46.00	48.00	2.00	68.	37.	2.	1100.	0.3
				16923	48.00	50.00	2.00	29.	15.	2.	180.	0.1

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-54
Grid System : ORIGINAL
Collar Eastings : 20863.720
Collar Northings : 20024.700
Collar Elevations : 1070.570
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : JULY 10, 1990 - JULY 11, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES										GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.00	4.00	2					2	3-5	1														
4.00	6.00	2.5-3					3	3-5	2														
6.00	8.00	2.5-3					3	3-5	2														
8.00	10.00	3.5					3.5	1-3	3.5														
10.00	12.00	3.5					3.5	1-3	3														
12.00	14.00								1														
14.00	16.00								1														
16.00	18.00	3.5					3.5	1-3	3.5														
18.00	20.00								1														
20.00	22.00	3.5					3.5	1-3	3.5														
22.00	24.00																						
24.00	26.00																						
26.00	28.00																						
28.00	30.00																						
30.00	32.00																						
32.00	34.00																						
34.00	36.00																						
36.00	38.00																						
38.00	40.00																						
40.00	42.00																						
42.00	44.00																						
44.00	46.00																						
46.00	48.00																						
48.00	50.00																						

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : HCRC 90-55
Grid System : ORIGINAL
Collar Eastings : 20863.600
Collar Northings : 20003.450
Collar Elevations : 1063.900
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : JULY 8, 1990 - JULY 11, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	26.00	INT	Limonitic, porphyritic intrusive - rich in white qz, sericite and clay altered feldspar phenos. High limonite content; calcareous matrix.	16924	2.00	4.00	2.00	290.	564.	78.	2900.	0.1
				16925	4.00	6.00	2.00	220.	359.	118.	4400.	0.1
				16926	6.00	8.00	2.00	950.	584.	1000.	4200.	0.4
				16927	8.00	10.00	2.00	32.	154.	64.	3500.	0.1
10.00	12.00		Minor disseminated pyrite associated with white qtz and rusty intrusive.	16928	10.00	12.00	2.00	490.	528.	54.	4100.	0.1
				16929	12.00	14.00	2.00	1520.	1907.	60.	2800.	0.6
14.00	18.00		Increase in white qz, sericite, disseminated (arseno?)pyrite, and stibnite	16930	14.00	16.00	2.00	1590.	2245.	67.	2600.	0.6
				16931	16.00	18.00	2.00	4650.	3556.	180.	5000.	1.0
18.00	24.00		Increase in limonite content. 5-10% blue/ white qz with stibnite and (arseno?)pyrite	16932	18.00	20.00	2.00	12900.	7840.	755.	8200.	3.1
				16933	20.00	22.00	2.00	14300.	8204.	1575.	6200.	3.4
				16934	22.00	24.00	2.00	9750.	5577.	5550.	4600.	2.4
24.00	26.00		40% black argillite.	16935	24.00	26.00	2.00	4940.	2060.	945.	4000.	2.0
26.00	32.00	ARG	Dense black argillite.	16936	26.00	28.00	2.00	460.	670.	257.	4300.	2.2
				16937	28.00	30.00	2.00	230.	596.	151.	1900.	4.2
30.00	32.00		5%rusty intrusive and qz	16938	30.00	32.00	2.00	108.	539.	103.	2300.	2.2
32.00	36.00	INT	Bleached, altered intrusive. 90% clear, white and rusty qz. Qz has abundant associated kaolinite.	16939	32.00	34.00	2.00	102.	661.	75.	1500.	0.4
34.00	36.00		40% black argillite.	16940	34.00	36.00	2.00	49.	984.	152.	2600.	1.0
36.00	46.00	BARITE	Blue/grey bedded barite.	16941	36.00	38.00	2.00	48.	230.	46.	4800.	0.3
38.00	40.00		40% argillite and shale.	16942	38.00	40.00	2.00	99.	834.	75.	12400.	0.5
				16943	40.00	42.00	2.00	26.	166.	22.	2080.	0.1
				16944	42.00	44.00	2.00	20.	84.	13.	920.	0.1
44.00	46.00		20% shale.	16945	44.00	46.00	2.00	13.	304.	13.	1300.	0.1
46.00	50.00	SHALE	Grey/black, green and brown shale, minor black argillite.	16946	46.00	48.00	2.00	25.	346.	5.	2100.	0.1
				16947	48.00	50.00	2.00	12.	56.	4.	600.	0.1

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-55
Grid System : ORIGINAL
Collar Eastings : 20863.600
Collar Northings : 20003.450
Collar Elevations : 1063.900
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : JULY 8, 1990 - JULY 11, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	1.5			3	1.5	5-10															
4.00	6.00	2.5			3	3	5-10	1														
6.00	8.00	2			3	2.5	5-10	1														
8.00	10.00	2			3	2.5	5-10	1.5	TR													
10.00	12.00	2.5			3	3	5-10	2	1													
12.00	14.00	2.5			3		5-10	2	TR													
14.00	16.00	2.5			3	3.5	5-10	2	1													
16.00	18.00	3			3	3.5	5-10	2	1.5													
18.00	20.00	2.5			3	2	10-15	1	TR													
20.00	22.00	2.5			3	2	10-15	2	1													
22.00	24.00	2.5			3	2	10-15	2	1													
24.00	26.00	2.5			1	2	10-15	1	TR													
26.00	28.00																					
28.00	30.00																					
30.00	32.00																					
32.00	34.00																					
34.00	36.00																					
36.00	38.00																					
38.00	40.00																					
40.00	42.00																					
42.00	44.00																					
44.00	46.00																					
46.00	48.00																					
48.00	50.00																					

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-56
Grid System : ORIGINAL
Collar Eastings : 20860.370
Collar Northings : 19979.070
Collar Elevations : 1057.620
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	16.00	INT	Green/grey biotite kspar porphyry intrusive. Fresh unweathered (qtz monzonite/syenite?).									
2.00	6.00		Suspect overburden, mix of rusty altered intrusive, qtz & argillite.	16948	2.00	4.00	2.00	210.	511.	165.	2800.	0.4
				16949	4.00	6.00	2.00	520.	741.	144.	2600.	0.7
				16950	6.00	8.00	2.00	114.	342.	194.	720.	0.6
				16951	8.00	10.00	2.00	42.	179.	66.	210.	1.9
				16952	10.00	12.00	2.00	24.	138.	57.	180.	0.5
				16953	12.00	14.00	2.00	22.	155.	126.	200.	0.3
14.00	16.00		20% rusty intrusive and qtz.	16954	14.00	16.00	2.00	134.	415.	117.	400.	0.3
16.00	32.00	INT	Rusty limonitic porphyritic intrusive. Abundant rusty qtz, sericite, kaolinite, and soft clay altered feldspar phenos.	16955	16.00	18.00	2.00	310.	570.	135.	1500.	0.4
				16956	18.00	20.00	2.00	122.	560.	114.	1900.	0.2
				16957	20.00	22.00	2.00	430.	820.	167.	1600.	0.1
22.00	28.00		20-40% biotite rich intrusive.	16958	22.00	24.00	2.00	130.	644.	136.	1400.	0.1
				16959	24.00	26.00	2.00	680.	1515.	287.	1700.	0.2
				16960	26.00	28.00	2.00	290.	1386.	320.	1500.	0.2
				16961	28.00	30.00	2.00	75.	937.	174.	820.	0.1
30.00	32.00		Increase in rusty qz.	16962	30.00	32.00	2.00	620.	1981.	431.	1800.	0.1
32.00	36.00	ARG	Dense black argillite, 20% rusty qz and intrusive.	16963	32.00	34.00	2.00	310.	846.	126.	2900.	0.5
				16964	34.00	36.00	2.00	130.	797.	138.	3600.	0.8
36.00	50.00	INT	Rusty limonitic, porphyritic intrusive (as 16-32m). No biotite rich sections.	16965	36.00	38.00	2.00	450.	1236.	119.	3500.	0.1
				16966	38.00	40.00	2.00	4100.	3816.	187.	4500.	1.2
				16967	40.00	42.00	2.00	7220.	4311.	191.	4700.	2.2
				16968	42.00	44.00	2.00	1460.	2456.	208.	3500.	0.8
				16969	44.00	46.00	2.00	240.	916.	113.	1200.	0.6
				16970	46.00	48.00	2.00	121.	675.	88.	1400.	0.2
48.00	50.00		40% black argillite.	16971	48.00	50.00	2.00	128.	560.	99.	3300.	0.6

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-56
Grid System : ORIGINAL
Collar Eastings : 20860.370
Collar Northings : 19979.070
Collar Elevations : 1057.620
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
16.00	18.00	1			1	1		3-5	1													
18.00	20.00	1.5			3	2		3-5	1													
20.00	22.00	1			2	1		3-5	1													
22.00	24.00	1				1		3-5														
24.00	26.00	1				1		3-5														
26.00	28.00	1				1		3-5														
28.00	30.00	1			1	1		3-5														
30.00	32.00	1				1.5		5-10	1													
32.00	34.00																					
34.00	36.00																					
36.00	38.00							5-10	1													
38.00	40.00							5-10	1													
40.00	42.00	1.5				2		10-20	1.5													
42.00	44.00	1.5				2		5-10	1													
44.00	46.00	1.5				2		5-10	1													
46.00	48.00	1.5				2		5-10	1													
48.00	50.00	1.5				2		5-10	1													

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-57
Grid System : ORIGINAL
Collar Eastings : 20818.950
Collar Northings : 20020.600
Collar Elevations : 1059.770
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	16.00	ARG	Dense black argillite.	16972	2.00	4.00	2.00	78.	432.	23.	10400.	3.5
				16973	4.00	6.00	2.00	44.	185.	49.	8100.	2.4
				16974	6.00	8.00	2.00	55.	84.	24.	4300.	1.5
				16975	8.00	10.00	2.00	44.	126.	16.	7200.	4.2
10.00	14.00		5% soft grey mudstone, green/grey shale.	16976	10.00	12.00	2.00	26.	87.	12.	7400.	4.7
				16977	12.00	14.00	2.00	49.	175.	17.	17000.	4.7
14.00	16.00		Very little recovery, mostly brown powder. Mudstone bed?? Faulted contact??	16978	14.00	16.00	2.00	230.	426.	34.	9600.	3.3
16.00	40.00	BARITE	Blue/ grey bedded barite.									
16.00	18.00		10% argillite and rusty clay.	16979	16.00	18.00	2.00	48.	281.	34.	17000.	1.9
18.00	22.00		2% rusty clay.	16980	18.00	20.00	2.00	49.	190.	39.	15000.	0.8
				16981	20.00	22.00	2.00	22.	195.	43.	13000.	0.2
22.00	24.00		30% green/grey shale.	16982	22.00	24.00	2.00	21.	247.	23.	12000.	0.2
24.00	40.00		10-20% shale.	16983	24.00	26.00	2.00	6.	61.	13.	1300.	0.2
				16984	26.00	28.00	2.00	1.	16.	5.	560.	0.1
				16985	28.00	30.00	2.00	1.	33.	6.	540.	0.1
				16986	30.00	32.00	2.00	1.	14.	2.	220.	0.1
				16987	32.00	34.00	2.00	3.	44.	7.	610.	0.3
				16988	34.00	36.00	2.00	2.	15.	5.	460.	0.3
				16989	36.00	38.00	2.00	3.	13.	3.	680.	0.4
				16990	38.00	40.00	2.00	4.	13.	3.	360.	0.2
40.00	48.00	SHALE	Brown, green/grey and black shale.									
40.00	42.00		10% barite	16991	40.00	42.00	2.00	6.	91.	10.	750.	0.3
				16992	42.00	44.00	2.00	7.	42.	6.	300.	0.2
				16993	44.00	46.00	2.00	9.	29.	13.	150.	0.6
				16994	46.00	48.00	2.00	4.	24.	11.	100.	0.3
48.00	50.00	ARG	Dense black argillite, pyrite along qz veins.	16995	48.00	50.00	2.00	3.	22.	21.	140.	0.6

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-57
Grid System : ORIGINAL
Collar Eastings : 20818.950
Collar Northings : 20020.600
Collar Elevations : 1059.770
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-58
Grid System : ORIGINAL
Collar Eastings : 20820.200
Collar Northings : 20042.180
Collar Elevations : 1060.820
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	16.00	BARITE										
2.00	16.00		Light greyish blue bedded barite. Calcite stockwork veining. Very calcareous.	16996	2.00	4.00	2.00	37.	339.	47.	560.	0.5
				16997	4.00	6.00	2.00	12.	118.	23.	1300.	0.3
				16998	6.00	8.00	2.00	11.	86.	20.	880.	0.6
				16999	8.00	10.00	2.00	12.	91.	14.	580.	0.5
				17000	10.00	12.00	2.00	12.	95.	22.	860.	0.5
				17001	12.00	14.00	2.00	12.	73.	13.	940.	0.3
				17002	14.00	16.00	2.00	15.	64.	12.	730.	0.4
16.00	18.00	SHALE	Light grey/brown fissile shale - calcareous.	17003	16.00	18.00	2.00	20.	96.	11.	1300.	0.2
18.00	26.00	BARITE	Light grey bedded barite.	17004	18.00	20.00	2.00	15.	41.	5.	380.	0.1
20.00	24.00		Weakly calcareous.	17005	20.00	22.00	2.00	22.	59.	11.	550.	0.2
				17006	22.00	24.00	2.00	12.	79.	11.	1300.	0.8
24.00	26.00		10-20% argillite.	17007	24.00	26.00	2.00	11.	47.	10.	430.	0.9
26.00	28.00	INT	Light blueish grey porphyritic intrusive. 20% limonitic intrusive, 20% shale, calcareous.	17008	26.00	28.00	2.00	20.	54.	8.	370.	0.5
28.00	32.00	SHALE	Light greyish brown fissile shale. 20% argillite. Calcareous.	17009	28.00	30.00	2.00	16.	61.	10.	360.	0.8
				17010	30.00	32.00	2.00	13.	41.	10.	230.	1.0
32.00	50.00	ARG	Dark black graphitic argillite. Very calcareous.	17011	32.00	34.00	2.00	29.	79.	39.	240.	1.8
				17012	34.00	36.00	2.00	18.	41.	13.	170.	1.4
				17013	36.00	38.00	2.00	12.	35.	13.	120.	1.4
				17014	38.00	40.00	2.00	6.	31.	14.	80.	1.3
				17015	40.00	42.00	2.00	3.	37.	15.	90.	1.3
				17016	42.00	44.00	2.00	3.	19.	15.	120.	1.5
				17017	44.00	46.00	2.00	3.	26.	16.	90.	0.9
				17018	46.00	48.00	2.00	4.	16.	12.	80.	0.8
				17019	48.00	50.00	2.00	5.	22.	13.	70.	0.8

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BRENERY
HOLE No. : BCRC 90-58
Grid System : ORIGINAL
Collar Eastings : 20820.200
Collar Northings : 20042.100
Collar Elevations : 1060.820
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00				4																	
4.00	6.00				4																	
6.00	8.00				4																	
8.00	10.00				4																	
10.00	12.00				4																	
12.00	14.00				4																	
14.00	16.00				4																	
16.00	18.00				4																	
18.00	20.00				3																	
20.00	22.00				1																	
22.00	24.00				1																	
24.00	26.00				3																	
26.00	28.00	2			3	2	1															
28.00	30.00				3																	
30.00	32.00				4																	
32.00	34.00				4																	
34.00	36.00				4																	
36.00	38.00				4																	
38.00	40.00				4																	
40.00	42.00				4																	
42.00	44.00				4																	
44.00	46.00				4																	
46.00	48.00				4																	
48.00	50.00				4																	

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-59
Grid System : ORIGINAL
Collar Eastings : 20818.790
Collar Northings : 19996.710
Collar Elevations : 1055.970
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	32.00	INT	Limonitic intrusive with minor remnant bleached biotite.	17020	2.00	4.00	2.00	32.	567.	147.	1800.	0.1
				17021	4.00	6.00	2.00	42.	1016.	116.	2500.	0.1
				17022	6.00	8.00	2.00	52.	1164.	118.	2300.	0.1
8.00	10.00		Fresh black biotite	17023	8.00	10.00	2.00	57.	1014.	103.	1100.	0.1
				17024	10.00	12.00	2.00	290.	1404.	104.	3300.	0.1
				17025	12.00	14.00	2.00	470.	1424.	71.	4100.	0.5
				17026	14.00	16.00	2.00	450.	1060.	33.	3300.	0.7
16.00	20.00		Light blue grey colour. Fresh black biotite. Weakly limonitic.	17027	16.00	18.00	2.00	30.	139.	18.	460.	0.1
				17028	18.00	20.00	2.00	34.	307.	30.	1400.	0.2
20.00	30.00		20-30% light greenish blue QFP chips. Feldspar phenos. Moderate clay alt'n. Minor black diss. sulfide.	17029	20.00	22.00	2.00	29.	477.	40.	2600.	0.2
				17030	22.00	24.00	2.00	910.	1531.	44.	6500.	1.2
				17031	24.00	26.00	2.00	220.	1063.	67.	5800.	0.6
				17032	26.00	28.00	2.00	280.	678.	55.	3300.	0.6
				17033	28.00	30.00	2.00	2560.	2788.	4723.	7800.	1.5
30.00	32.00		20% black graphitic argillite.	17034	30.00	32.00	2.00	3180.	2285.	2414.	6200.	1.2
32.00	44.00	ARG	Dark black graphitic argillite.	17035	32.00	34.00	2.00	410.	799.	435.	6000.	1.3
				17036	34.00	36.00	2.00	390.	743.	310.	6600.	1.6
				17037	36.00	38.00	2.00	64.	294.	81.	6200.	1.9
				17038	38.00	40.00	2.00	33.	388.	54.	9700.	4.8
				17039	40.00	42.00	2.00	88.	333.	133.	7800.	2.8
				17040	42.00	44.00	2.00	270.	302.	215.	4000.	1.3
44.00	50.00	SHALE	Medium greyish brown fissile shale.	17041	44.00	46.00	2.00	43.	103.	41.	2200.	0.7
				17042	46.00	48.00	2.00	42.	158.	57.	2800.	0.8
				17043	48.00	50.00	2.00	70.	385.	63.	4100.	1.5

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-59
Grid System : ORIGINAL
Collar Eastings : 20818.790
Collar Northings : 19996.710
Collar Elevations : 1055.970
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2.5				2	3															
4.00	6.00	2.5				2	3															
6.00	8.00	2.5				2	3															
8.00	10.00	2.5				2	3															
10.00	12.00	2.5				2	3															
12.00	14.00	2.5				2	3															
14.00	16.00	2.5			3	2	3															
16.00	18.00	2.5			4	2	2															
18.00	20.00	2.5			4	2	2															
20.00	22.00	2.5			3	3	3															
22.00	24.00	2.5			3	3	3															
24.00	26.00	2.5			3	3	3															
26.00	28.00	2.5			3	3	3															
28.00	30.00	2.5			2	3	3															
30.00	32.00	2.5			2	3	3															
32.00	34.00				1		3															
34.00	36.00				1																	
36.00	38.00				1																	
38.00	40.00																					
40.00	42.00																					
42.00	44.00																					
44.00	46.00																					
46.00	48.00																					
48.00	50.00																					

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-60
Grid System : ORIGINAL
Collar Eastings : 20972.600
Collar Northings : 19959.580
Collar Elevations : 1052.140
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	30.00	INT	Biotite rich limonitic intrusive. Feldspar phenos. Moderately clay altered. Light greyish brown colour.	17044	2.00	4.00	2.00	95.	336.	99.	2100.	0.8
				17045	4.00	6.00	2.00	31.	128.	30.	320.	0.1
				17046	6.00	8.00	2.00	20.	253.	38.	220.	0.1
				17047	8.00	10.00	2.00	9.	131.	28.	180.	0.2
				17048	10.00	12.00	2.00	20.	234.	34.	310.	0.1
12.00	16.00		Minor black biotite, slightly more limonitic.	17049	12.00	14.00	2.00	240.	1148.	77.	1300.	0.8
				17050	14.00	16.00	2.00	19.	556.	41.	290.	0.2
				17051	16.00	18.00	2.00	6.	97.	13.	110.	0.1
				17052	18.00	20.00	2.00	3.	83.	20.	60.	0.1
				17053	20.00	22.00	2.00	7.	65.	22.	80.	0.1
				17054	22.00	24.00	2.00	19.	205.	53.	120.	0.2
24.00	28.00		Slightly more limonitic with minor black biotite.	17055	24.00	26.00	2.00	135.	324.	26.	180.	0.3
				17056	26.00	28.00	2.00	17.	131.	9.	120.	0.2
28.00	30.00		50% black argillite. Intrusive is more limonitic with no biotite.	17057	28.00	30.00	2.00	44.	399.	28.	2600.	0.5
30.00	34.00	ARG	Dark black graphitic argillite.	17058	30.00	32.00	2.00	210.	327.	10.	5200.	1.1
				17059	32.00	34.00	2.00	68.	489.	19.	5800.	1.7
34.00	36.00	INT	Light brown to white bleached intrusive. Qtz rich. 20% argillite.	17060	34.00	36.00	2.00	83.	556.	23.	4800.	1.1
36.00	50.00	ARG	Dark black very graphitic argillite. Minor calcite veining.	17061	36.00	38.00	2.00	30.	223.	13.	3500.	0.6
				17062	38.00	40.00	2.00	64.	199.	15.	4500.	0.8
				17063	40.00	42.00	2.00	40.	190.	11.	3300.	0.4
				17064	42.00	44.00	2.00	9.	84.	7.	1800.	0.2
				17065	44.00	46.00	2.00	7.	51.	3.	1300.	0.1
				17066	46.00	48.00	2.00	45.	275.	18.	2600.	0.3
				17067	48.00	50.00	2.00	19.	86.	5.	1600.	0.1

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-60
Grid System : ORIGINAL
Collar Eastings : 20972.600
Collar Northings : 19959.580
Collar Elevations : 1052.140
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2				2	2															
4.00	6.00	2				2	2															
6.00	8.00	2				2	2															
8.00	10.00	2				2	2															
10.00	12.00	2				2	2															
12.00	14.00	2				2	2															
14.00	16.00	2				2	3															
16.00	18.00	2				2	3															
18.00	20.00	2				2	2															
20.00	22.00	2				2	2															
22.00	24.00	2				2	2															
24.00	26.00	2				2	3															
26.00	28.00	2				2	3															
28.00	30.00	2.5				2	4															
30.00	32.00																					
32.00	34.00																					
34.00	36.00	3			1	3.5	1	3														
36.00	38.00				4																	
38.00	40.00				4																	
40.00	42.00				4																	
42.00	44.00				4																	
44.00	46.00				4																	
46.00	48.00				4																	
48.00	50.00				4																	

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMERY
HOLE No. : BCRC 90-61
Grid System : ORIGINAL
Collar Eastings : 20968.780
Collar Northings : 19981.140
Collar Elevations : 1060.330
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : RICK DIMENT
Date : JULY 10, 1990 - JULY 15, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	16.00	INT	Limonitic porphyritic intrusive.	17068	2.00	4.00	2.00	1020.	610.	347.	2500.	0.1
				17069	4.00	6.00	2.00	65.	307.	395.	1500.	0.1
				17070	6.00	8.00	2.00	1050.	693.	560.	4500.	0.1
				17071	8.00	10.00	2.00	1650.	1697.	515.	10600.	0.4
				17072	10.00	12.00	2.00	6130.	1544.	569.	7800.	1.3
12.00	16.00		More qtz rich and limonitic. Reddish brown hematite staining.	17073	12.00	14.00	2.00	10400.	2522.	343.	8500.	2.1
				17074	14.00	16.00	2.00	9750.	3349.	348.	7600.	2.4
16.00	18.00		Strong argillic alteration (White clay). 40% argillite.	17075	16.00	18.00	2.00	4350.	1283.	152.	10200.	2.1
18.00	20.00	ARG	Black graphitic argillite.	17076	18.00	20.00	2.00	210.	293.	70.	5200.	2.2
20.00	24.00	SHALE	Dark grey to black fissile shale.	17077	20.00	22.00	2.00	240.	894.	109.	7500.	0.9
				17078	22.00	24.00	2.00	440.	585.	80.	6200.	1.1
24.00	34.00	INT	Limonitic, porphyritic intrusive.	17079	24.00	26.00	2.00	2320.	1675.	87.	8300.	0.9
				17080	26.00	28.00	2.00	3160.	2285.	176.	8600.	0.8
				17081	28.00	30.00	2.00	2760.	2092.	63.	6100.	1.9
				17082	30.00	32.00	2.00	360.	1006.	40.	7500.	1.3
				17083	32.00	34.00	2.00	520.	941.	21.	3300.	0.5
34.00	50.00	ARG	Black graphitic argillite.	17084	34.00	36.00	2.00	310.	456.	32.	4200.	1.0
				17085	36.00	38.00	2.00	240.	332.	17.	2700.	1.0
				17086	38.00	40.00	2.00	31.	143.	15.	1600.	0.2
				17087	40.00	42.00	2.00	4.	37.	10.	460.	0.1
				17088	42.00	44.00	2.00	3.	2.	2.	5.	0.1
				17089	44.00	46.00	2.00	4.	36.	10.	860.	0.1
				17090	46.00	48.00	2.00	6.	41.	11.	2000.	0.2
				17091	48.00	50.00	2.00	1.	40.	13.	2800.	0.1

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMERY
HOLE No. : BCRC 90-61
Grid System : ORIGINAL
Collar Eastings : 20968.780
Collar Northings : 19981.140
Collar Elevations : 1060.330
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : RICK DIMENT
Date : JULY 10, 1990 - JULY 15, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sr %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00							1														
4.00	6.00							1														
6.00	8.00							1														
8.00	10.00							1														
10.00	12.00							1														
12.00	14.00							2														
14.00	16.00							2														
16.00	18.00	3																				
18.00	20.00																					
20.00	22.00																					
22.00	24.00																					
24.00	26.00							1														
26.00	28.00							1														
28.00	30.00							1														
30.00	32.00							1														
32.00	34.00							2														
34.00	36.00																					
36.00	38.00																					
38.00	40.00																					
40.00	42.00																					
42.00	44.00																					
44.00	46.00																					
46.00	48.00																					
48.00	50.00																					

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-62
Grid System : ORIGINAL
Collar Eastings : 20972.410
Collar Northings : 20005.670
Collar Elevations : 1069.260
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by :
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	4.00	ARG	Light grey to black argillite. Baritic.	17092	2.00	4.00	2.00	31.	142.	37.	6000.	0.6
4.00	24.00	SHALE	Brownish grey fissile shale.									
4.00	6.00		30% dark black argillite.	17093	4.00	6.00	2.00	45.	80.	25.	4900.	0.7
				17094	6.00	8.00	2.00	13.	85.	16.	5400.	0.3
				17095	8.00	10.00	2.00	14.	32.	10.	3000.	0.1
				17096	10.00	12.00	2.00	12.	31.	8.	2000.	0.1
12.00	20.00		Minor calcite veining.	17097	12.00	14.00	2.00	9.	32.	8.	2100.	0.2
				17098	14.00	16.00	2.00	10.	26.	6.	1900.	0.2
				17099	16.00	18.00	2.00	9.	36.	7.	2600.	0.2
				17100	18.00	20.00	2.00	35.	42.	14.	3600.	0.5
				17101	20.00	22.00	2.00	58.	73.	23.	4500.	1.4
				17102	22.00	24.00	2.00	28.	120.	17.	1300.	0.5
24.00	28.00	INT	Orange brown limonitic intrusive. Qz rich.									
24.00	26.00		30% shale.	17103	24.00	26.00	2.00	131.	415.	19.	3700.	1.4
26.00	28.00		10% shale.	17104	26.00	28.00	2.00	125.	727.	19.	5600.	0.5
28.00	46.00	SHALE	Brownish grey fissile shale. Minor calcite veining.	17105	28.00	30.00	2.00	12.	53.	11.	950.	0.2
				17106	30.00	32.00	2.00	3.	16.	7.	700.	0.2
				17107	32.00	34.00	2.00	6.	26.	5.	740.	0.1
				17108	34.00	36.00	2.00	86.	100.	11.	2980.	0.5
				17109	36.00	38.00	2.00	20.	90.	9.	4800.	0.1
				17110	38.00	40.00	2.00	87.	68.	10.	3600.	0.2
				17111	40.00	42.00	2.00	10.	43.	5.	1400.	0.1
				17112	42.00	44.00	2.00	7.	21.	4.	1100.	0.1
				17113	44.00	46.00	2.00	7.	14.	8.	780.	0.1
46.00	48.00	ARG	Dark black graphitic argillite. 20% shale.	17114	46.00	48.00	2.00	8.	37.	6.	1300.	0.4
48.00	50.00	INT	Orange brown limonitic intrusive. Few chips in washed split (fault??) 30%	17115	48.00	50.00	2.00	13.	137.	12.	1100.	1.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-62

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			argillite.									

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-62
Grid System : ORIGINAL
Collar Eastings : 20972.410
Collar Northings : 20005.670
Collar Elevations : 1069.260
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by :
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

GEOCHEMICAL SAMPLES												GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %		FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00				2																		
12.00	14.00				4																		
14.00	16.00				4																		
16.00	18.00				4																		
18.00	20.00				4																		
20.00	22.00				1																		
22.00	24.00																						
24.00	26.00	2.5					3	3	3	2													
26.00	28.00	2.5					3	3	3	2													
28.00	30.00				4																		
30.00	32.00				4																		
32.00	34.00				4																		
34.00	36.00				4																		
36.00	38.00				4																		
38.00	40.00				4																		
40.00	42.00				4																		
42.00	44.00				4																		
44.00	46.00				4																		
46.00	48.00				3																		
48.00	50.00	3			3		3	3	3														

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-63
Grid System : ORIGINAL
Collar Eastings : 20776.280
Collar Northings : 20004.120
Collar Elevations : 1041.720
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	10.00	INT	Limonitic qtz rich intrusive. Minor qtz stockwork.	17116	2.00	4.00	2.00	780.	806.	281.	8100.	0.2
				17117	4.00	6.00	2.00	1930.	1132.	397.	8800.	0.4
				17118	6.00	8.00	2.00	9620.	3476.	357.	11000.	1.8
8.00	10.00		Strongly altered intrusive. More bleached. Qz stockwork.	17119	8.00	10.00	2.00	3460.	1206.	152.	5200.	0.9
10.00	26.00	ARG	Dark black argillite.	17120	10.00	12.00	2.00	154.	253.	58.	6600.	2.3
				17121	12.00	14.00	2.00	77.	134.	40.	6800.	1.8
				17122	14.00	16.00	2.00	31.	64.	30.	8700.	1.1
				17123	16.00	18.00	2.00	16.	51.	24.	7600.	0.5
				17124	18.00	20.00	2.00	35.	88.	37.	9000.	0.3
				17125	20.00	22.00	2.00	9.	104.	45.	9200.	0.6
22.00	26.00		Lighter grey; barite rich.	17126	22.00	24.00	2.00	16.	143.	42.	3400.	0.3
				17127	24.00	26.00	2.00	9.	138.	36.	2200.	0.2
26.00	28.00	BARITE	Light blueish grey barite.	17128	26.00	28.00	2.00	6.	58.	17.	1600.	0.1
28.00	42.00	SHALE	Light brown fissile shale and dark grey to black argillite.									
28.00	38.00		Barite rich.	17129	28.00	30.00	2.00	4.	78.	20.	1800.	0.3
				17130	30.00	32.00	2.00	29.	285.	38.	9400.	0.4
				17131	32.00	34.00	2.00	15.	59.	15.	1600.	0.1
				17132	34.00	36.00	2.00	12.	66.	17.	1700.	0.1
				17133	36.00	38.00	2.00	25.	129.	43.	3600.	0.4
38.00	40.00		Minor limonitic intrusive.	17134	38.00	40.00	2.00	16.	133.	21.	6800.	0.4
				17135	40.00	42.00	2.00	35.	88.	14.	2900.	0.5
42.00	44.00	ARG	Dark grey to black argillite.	17136	42.00	44.00	2.00	12.	95.	16.	3300.	0.5
44.00	50.00	QTZITE	Light grey to white fine grained quartzite 20% argillite chips.	17137	44.00	46.00	2.00	7.	215.	19.	3000.	0.1
				17138	46.00	48.00	2.00	6.	144.	15.	2200.	0.3
				17139	48.00	50.00	2.00	7.	95.	9.	3400.	0.5

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-63
Grid System : ORIGINAL
Collar Eastings : 20776.280
Collar Northings : 20004.120
Collar Elevations : 1041.720
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

GEOCHEMICAL SAMPLES

FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00	3.5					3	3		2
4.00	6.00	3					3	5		2
6.00	8.00	3					3	5		2
8.00	10.00	3.5					3.5	2		3
38.00	40.00					3				
40.00	42.00					4				

GEOTECHNICAL SAMPLES

FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-64
Grid System : ORIGINAL
Collar Eastings : 20777.010
Collar Northings : 19981.890
Collar Elevations : 1041.690
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	26.00	INT	Limonitic intrusive, feldspar phenos. Moderately clay altered with 1-2% Mn oxide staining. Very calcareous.	17140	2.00	4.00	2.00	290.	606.	213.	3600.	0.1
				17141	4.00	6.00	2.00	450.	608.	1478.	2600.	0.1
				17142	6.00	8.00	2.00	390.	1212.	115.	1900.	0.2
				17143	8.00	10.00	2.00	62.	479.	128.	1700.	0.1
				17144	10.00	12.00	2.00	310.	1182.	61.	1800.	0.1
				17145	12.00	14.00	2.00	158.	715.	110.	2600.	0.1
				17146	14.00	16.00	2.00	260.	890.	132.	2300.	0.1
16.00	18.00		3-5% Mn oxide staining.	17147	16.00	18.00	2.00	1030.	1335.	135.	1700.	0.3
18.00	22.00		Black biotite.	17148	18.00	20.00	2.00	590.	790.	90.	650.	0.1
				17149	20.00	22.00	2.00	98.	524.	81.	900.	0.1
				17150	22.00	24.00	2.00	78.	392.	98.	1200.	0.1
24.00	26.00		30% black biotite.	17151	24.00	26.00	2.00	45.	287.	75.	1300.	0.1
26.00	50.00	ARG	Dark black argillite. Minor qz veining.									
26.00	28.00		10% limonitic intrusive.	17152	26.00	28.00	2.00	104.	328.	46.	5600.	0.5
				17153	28.00	30.00	2.00	60.	266.	34.	8000.	2.1
				17154	30.00	32.00	2.00	20.	181.	25.	4900.	1.8
				17155	32.00	34.00	2.00	24.	119.	22.	5400.	1.4
				17156	34.00	36.00	2.00	21.	131.	36.	8600.	1.1
				17157	36.00	38.00	2.00	47.	169.	50.	10000.	1.3
				17158	38.00	40.00	2.00	53.	140.	47.	13000.	1.3
				17159	40.00	42.00	2.00	35.	247.	71.	11000.	1.2
				17160	42.00	44.00	2.00	31.	211.	47.	14000.	1.4
				17161	44.00	46.00	2.00	42.	134.	23.	10000.	1.9
				17162	46.00	48.00	2.00	33.	187.	33.	10000.	1.0
				17163	48.00	50.00	2.00	51.	175.	34.	6300.	0.7

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREMERY
HOLE No. : BCRC 90-64
Grid System : ORIGINAL
Collar Eastings : 20777.010
Collar Northings : 19981.890
Collar Elevations : 1041.690
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2			3	2	3															
4.00	6.00	2			3	2	3															
6.00	8.00	2			3	2	3															
8.00	10.00	2			3	2	3															
10.00	12.00	2			3	2	3															
12.00	14.00	2			3	2	3															
14.00	16.00	2			3	2	3															
16.00	18.00	2			3	2	3															
18.00	20.00	2			3	2	3															
20.00	22.00	2			3	2	3															
22.00	24.00	2			3	2	3															
24.00	26.00	2			3	2	3															
26.00	28.00				1			1														
28.00	30.00				1			1														
30.00	32.00				1			1														
32.00	34.00				1			1														
34.00	36.00				1			1														
36.00	38.00				1			1														
38.00	40.00				1			1														
40.00	42.00				1			1														
42.00	44.00				1			1														
44.00	46.00				1			1														
46.00	48.00				1			1														
48.00	50.00				1			1														

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-65
Grid System : ORIGINAL
Collar Eastings : 20734.220
Collar Northings : 19954.630
Collar Elevations : 1022.570
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : L. K. BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	18.00	INT	Limonitic porphyritic intrusive; qz rich; rusty orange.	17164	2.00	4.00	2.00	1210.	754.	199.	2600.	0.2
4.00	6.00		Chips up to 1.5 cm in diameter present.	17165	4.00	6.00	2.00	1610.	1090.	1030.	3400.	0.3
				17166	6.00	8.00	2.00	4290.	1720.	348.	4300.	0.4
				17167	8.00	10.00	2.00	1290.	1809.	603.	5100.	0.2
				17168	10.00	12.00	2.00	2110.	1448.	255.	4500.	0.3
				17169	12.00	14.00	2.00	1160.	1547.	224.	2400.	0.3
				17170	14.00	16.00	2.00	1090.	2209.	223.	3500.	0.4
16.00	18.00		40% black argillite.	17171	16.00	18.00	2.00	510.	1571.	255.	3200.	0.6
18.00	22.00	ARG	Black argillite with grey/white qz veining.	17172	18.00	20.00	2.00	106.	617.	123.	2600.	1.0
20.00	22.00		15% incompetent grey shale/mudstone.	17173	20.00	22.00	2.00	66.	556.	43.	2400.	0.6
22.00	50.00	INT	Limonitic porphyritic orange intrusive. with "remnant" biotite.									
22.00	24.00		30% black argillite.	17174	22.00	24.00	2.00	88.	894.	95.	2600.	0.5
24.00	44.00		5% black argillite.	17175	24.00	26.00	2.00	1020.	1449.	96.	3300.	0.4
				17176	26.00	28.00	2.00	1610.	1816.	218.	6200.	0.7
				17177	28.00	30.00	2.00	970.	1533.	110.	4100.	0.5
				17178	30.00	32.00	2.00	380.	1069.	66.	3500.	0.2
				17179	32.00	34.00	2.00	210.	811.	41.	2500.	0.1
				17180	34.00	36.00	2.00	410.	621.	25.	2200.	0.2
				17181	36.00	38.00	2.00	550.	684.	23.	2800.	0.2
				17182	38.00	40.00	2.00	340.	591.	27.	3100.	0.1
				17183	40.00	42.00	2.00	460.	620.	21.	3200.	0.2
				17184	42.00	44.00	2.00	890.	943.	24.	4700.	0.4
44.00	46.00		25% black argillite chips with white qtz stwk.	17185	44.00	46.00	2.00	780.	891.	100.	4600.	1.3
46.00	48.00		5% black argillite chips with white qtz stwk.	17186	46.00	48.00	2.00	960.	651.	83.	3100.	0.7
				17187	48.00	50.00	2.00	970.	555.	117.	3200.	0.6

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREMNER CREEK
HOLE No. : BCRC 90-65
Grid System : ORIGINAL
Collar Eastings : 20734.220
Collar Northings : 19954.630
Collar Elevations : 1022.570
Collar Bearing : 999.99
Grid Baseline : 66.80

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : L. H. BROWNLAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2					2	3														
4.00	6.00	2					2	3														
6.00	8.00	2					2	3	2													
8.00	10.00	2					2	3	1													
10.00	12.00	2					2	3	1													
12.00	14.00	3					2	3	1													
14.00	16.00	3					2	3	1													
16.00	18.00	3			1		2	3	1													
18.00	20.00								2													
20.00	22.00																					
22.00	24.00	2					1	2														
24.00	26.00	2					1	2														
26.00	28.00	2					1	2														
28.00	30.00	2					1	1	1													
30.00	32.00	3					1	2	1													
32.00	34.00	3					1	2	1													
34.00	36.00	3			3		1	2	1													
36.00	38.00	2			3		2	2														
38.00	40.00	2			3		2	2														
40.00	42.00	2			3		2	2														
42.00	44.00	2			3		2	3														
44.00	46.00	2					2	3	2													
46.00	48.00	3					2	3	2													
48.00	50.00	3					2	3	3													

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-66
Grid System : ORIGINAL
Collar Eastings : 20733.490
Collar Northings : 19931.790
Collar Elevations : 1021.810
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : L. K. BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	22.00	INT	Limonitic porphyritic intrusive with clay altered feldspar phenos. Bleached "remnant" biotite.	17188	2.00	4.00	2.00	1520.	1642.	55.	4000.	0.6
				17189	4.00	6.00	2.00	1360.	1152.	58.	3000.	0.5
				17190	6.00	8.00	2.00	360.	641.	40.	2500.	0.1
				17191	8.00	10.00	2.00	4760.	1441.	48.	3400.	0.6
				17192	10.00	12.00	2.00	1710.	1087.	45.	3900.	0.3
				17193	12.00	14.00	2.00	510.	977.	40.	6000.	0.2
				17194	14.00	16.00	2.00	450.	908.	37.	3500.	0.2
				17195	16.00	18.00	2.00	640.	1215.	55.	4200.	0.3
				17196	18.00	20.00	2.00	1550.	1351.	61.	4300.	0.4
2.00	20.00											
20.00	22.00		30% black argillite chips with qz veins.	17197	20.00	22.00	2.00	2100.	1573.	63.	3300.	0.7
22.00	30.00	ARG	Silicified black argillite with white & grey qz stockwork.									
22.00	26.00		20% limonitic porphyritic intrusive.	17198	22.00	24.00	2.00	720.	754.	53.	2500.	0.9
				17199	24.00	26.00	2.00	480.	675.	51.	2800.	1.0
				17200	26.00	28.00	2.00	190.	655.	38.	3500.	0.6
26.00	30.00		40% limonitic porphyritic intrusive.	17201	28.00	30.00	2.00	290.	655.	43.	2700.	0.4
30.00	40.00	INT	Limonitic porphyritic intrusive with bleached biotite.									
30.00	34.00		30% black argillite with qz stockwork.	17202	30.00	32.00	2.00	57.	522.	54.	1300.	0.1
				17203	32.00	34.00	2.00	4.	552.	60.	1200.	0.1
				17204	34.00	36.00	2.00	55.	565.	51.	1400.	0.1
36.00	40.00		10% black argillite chips with qz stwk. 38-40: 15% grey qz rich int with fresh black biotite.	17205	36.00	38.00	2.00	48.	535.	45.	1300.	0.1
				17206	38.00	40.00	2.00	2.	303.	63.	430.	0.1
40.00	50.00	INT	Green grey porphyritic intrusive with fresh black biotite flakes. Qz rich, calcareous, moderately altered feldspar phenos.	17207	40.00	42.00	2.00	20.	268.	61.	390.	0.1
				17208	42.00	44.00	2.00	4.	109.	37.	120.	0.2
				17209	44.00	46.00	2.00	14.	79.	29.	140.	0.1
				17210	46.00	48.00	2.00	17.	49.	29.	100.	0.1
				17211	48.00	50.00	2.00	8.	38.	41.	90.	0.1

BORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREMERY CREEK
HOLE No. : BCRC 90-66
Grid System : ORIGINAL
Collar Eastings : 20733.490
Collar Northings : 19931.790
Collar Elevations : 1021.810
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : L. K. BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : HC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	3					2	1														
4.00	6.00	3					2	1	2													
6.00	8.00	3					2	2	1													
8.00	10.00	3					2	2	1													
10.00	12.00	3					2	2														
12.00	14.00	2					2	2														
14.00	16.00	2					2	2														
16.00	18.00	1.5					2	2	1													
18.00	20.00	2					2	2														
20.00	22.00	2					2	2														
22.00	24.00								2													
24.00	26.00																					
26.00	28.00																					
28.00	30.00																					
30.00	32.00	2					1	1														
32.00	34.00	2					1	1														
34.00	36.00	3					2	2	1													
36.00	38.00	3					2	2	2													
38.00	40.00	3			1		2	2	1													
40.00	42.00	2			2		1	1														
42.00	44.00	2			2		1	1														
44.00	46.00	2			2		1	1														
46.00	48.00	2			2		1	1														
48.00	50.00	2			2		1	1														

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-67
Grid System : ORIGINAL
Collar Eastings : 20731.580
Collar Northings : 19910.760
Collar Elevations : 1019.300
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : L. K. BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	36.00	INT	Limonitic porphyritic intrusive with moderately altered feldspar phenos and relic biotite.	17212	2.00	4.00	2.00	92.	350.	36.	1800.	0.1
				17213	4.00	6.00	2.00	760.	471.	23.	1600.	0.1
				17214	6.00	8.00	2.00	280.	467.	18.	1400.	0.1
				17215	8.00	10.00	2.00	540.	1592.	35.	1700.	0.4
				17216	10.00	12.00	2.00	91.	642.	22.	1400.	0.1
				17217	12.00	14.00	2.00	200.	840.	26.	2000.	0.1
14.00	16.00		Fresh silicified blue core in one of the larger chips; 1-2% disseminated py.	17218	14.00	16.00	2.00	990.	1822.	34.	1800.	0.6
16.00	18.00		1-2% chips are blue silicified int with trace sx - py?	17219	16.00	18.00	2.00	1850.	2215.	54.	2300.	0.7
				17220	18.00	20.00	2.00	2030.	2293.	86.	1800.	0.9
20.00	22.00		20% blue grey QFP with 3-5% dissem. grey sx/pyrite, stibnite.	17221	20.00	22.00	2.00	2680.	2413.	84.	1600.	1.0
22.00	24.00		Trace QFP; SAB	17222	22.00	24.00	2.00	3160.	2275.	85.	2000.	1.2
				17223	24.00	26.00	2.00	4130.	2768.	112.	2500.	1.2
26.00	28.00		White/grey qz frags with 1% dissem pyrite.	17224	26.00	28.00	2.00	6760.	3377.	134.	2300.	1.2
				17225	28.00	30.00	2.00	7890.	3112.	153.	2600.	1.2
30.00	32.00		5% black arg with white qtz stwk.	17226	30.00	32.00	2.00	8110.	3103.	541.	3600.	1.4
32.00	34.00		5-10% black arg. Tr -2% QFP with py.	17227	32.00	34.00	2.00	3320.	1202.	371.	3200.	0.8
34.00	36.00		20% black arg & grey shale.	17228	34.00	36.00	2.00	960.	424.	52.	1900.	0.4
36.00	38.00	ARG	Mix of black arg & incompetent grey shale.	17229	36.00	38.00	2.00	540.	235.	43.	920.	0.3
38.00	50.00	INT	Limonitic porphyritic intrusive; SAB.									
38.00	40.00		5% black arg.	17230	38.00	40.00	2.00	16.	228.	37.	1100.	0.2
40.00	46.00		5% QFP +- py.	17231	40.00	42.00	2.00	260.	212.	33.	1400.	0.1
				17232	42.00	44.00	2.00	390.	330.	41.	1800.	0.1
				17233	44.00	46.00	2.00	200.	219.	27.	1900.	0.1
46.00	48.00		30% QFP with py.	17234	46.00	48.00	2.00	228.	154.	24.	2100.	0.1
48.00	50.00		10% QFP with grey py.	17235	48.00	50.00	2.00	14.	137.	14.	2400.	0.1

HORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-67
Grid System : ORIGINAL
Collar Eastings : 20731.580
Collar Northings : 19910.760
Collar Elevations : 1019.300
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : L. K. BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2.5					2	2	1													
4.00	6.00	2.5					2	2	1													
6.00	8.00	2			1		2	2	1													
8.00	10.00	2					2	2														
10.00	12.00	2			1		2	2														
12.00	14.00	2			2		2	3	1													
14.00	16.00	2			2		2	3		1-2												
16.00	18.00	2			2		2	3	1	TR												
18.00	20.00	2			1		2	3														
20.00	22.00	2			1		2	3		3-5												
22.00	24.00	2					2	3		3-5												
24.00	26.00	2					2	3														
26.00	28.00	2					2	3	1	1												
28.00	30.00	2					2	3														
30.00	32.00	2					2	3	1													
32.00	34.00	2			1		2	3														
34.00	36.00	2					2	3														
36.00	38.00				1																	
38.00	40.00	2					2	3-5														
40.00	42.00	2			1		2	3-5	1	TR												
42.00	44.00	2			1		2	3-5														
44.00	46.00	2			1		2	3-5	1	TR												
46.00	48.00	2			1		2	3-5		1-2												
48.00	50.00	2			1		2	3-5														

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-68
Grid System : ORIGINAL
Collar Eastings : 20733.180
Collar Northings : 19887.520
Collar Elevations : 1014.960
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : L. K. BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	38.00	INT	Limonitic porphyritic intrusive with moderately clay altered feldspar phenos. Minor qtz stockwork.	17236	2.00	4.00	2.00	2710.	1300.	78.	3100.	0.2
4.00	8.00		Fresh black biotite.	17237	4.00	6.00	2.00	270.	761.	52.	680.	0.1
				17238	6.00	8.00	2.00	98.	579.	35.	430.	0.1
8.00	10.00		Trace amounts of very bleached porous intrusive.	17239	8.00	10.00	2.00	250.	655.	67.	2800.	0.4
				17240	10.00	12.00	2.00	270.	618.	71.	2400.	0.1
				17241	12.00	14.00	2.00	220.	841.	75.	2300.	0.1
				17242	14.00	16.00	2.00	360.	1108.	106.	3000.	0.2
16.00	20.00		1-2% argillite.	17243	16.00	18.00	2.00	250.	1192.	116.	3300.	0.2
				17244	18.00	20.00	2.00	980.	1542.	126.	5200.	0.3
				17245	20.00	22.00	2.00	770.	1475.	83.	8500.	0.1
				17246	22.00	24.00	2.00	660.	1450.	86.	5400.	0.1
				17247	24.00	26.00	2.00	1290.	1908.	43.	4500.	0.4
26.00	30.00		Qtz content increases.	17248	26.00	28.00	2.00	990.	1559.	41.	3700.	0.4
				17249	28.00	30.00	2.00	3390.	1374.	62.	3000.	0.7
				17250	30.00	32.00	2.00	660.	1697.	86.	3400.	0.4
				17251	32.00	34.00	2.00	980.	1496.	76.	3200.	0.8
				17252	34.00	36.00	2.00	1430.	1690.	73.	3000.	0.8
36.00	38.00		Black argillite.	17253	36.00	38.00	2.00	530.	834.	46.	3200.	1.0
38.00	46.00	ARG	Dark black argillite with minor qz veining.	17254	38.00	40.00	2.00	114.	396.	54.	4000.	1.9
				17255	40.00	42.00	2.00	77.	209.	24.	4100.	1.0
42.00	44.00		80% argillite, 20% light brown fissile! shale.	17256	42.00	44.00	2.00	33.	179.	25.	1600.	0.7
44.00	46.00	SHALE	60% grey shale, 30% arg, 10% int.	17257	44.00	46.00	2.00	37.	226.	35.	2300.	0.1
46.00	50.00	INT	Limonitic porphyritic intrusive with clay altered feldspar phenos.									
46.00	48.00		60% intrusive, 40% black argillite with minor qz. veining.	17258	46.00	48.00	2.00	22.	221.	29.	920.	0.1
				17259	48.00	50.00	2.00	29.	157.	32.	580.	0.1

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREMNER CREEK
HOLE No. : BCRC 90-68
Grid System : ORIGINAL
Collar Eastings : 20733.180
Collar Northings : 19887.520
Collar Elevations : 1014.960
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : L. K. BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.00	4.00	2					2	3	1.5														
4.00	6.00	2					2	3	1.5														
6.00	8.00	2					2	3	1.5														
8.00	10.00	2					2	3	1.5														
10.00	12.00	2					2	3	1.5														
12.00	14.00	2					2	3	1.5														
14.00	16.00	2					2	3	1.5														
16.00	18.00	2					2	3	1.5														
18.00	20.00	2					2	3	1.5														
20.00	22.00	2					2	3	1.5														
22.00	24.00	2					2	3	1.5														
24.00	26.00	2					2	3	1.5														
26.00	28.00	2					2	3	2.5														
28.00	30.00	2					2	3	2.5														
30.00	32.00	2					2	3	1.5														
32.00	34.00	2					2	3	1.5														
34.00	36.00	2					2	3	1.5														
36.00	38.00	2					2	3	1.5														
38.00	40.00								1														
40.00	42.00																						
42.00	44.00																						
44.00	46.00				1																		
46.00	48.00																						
48.00	50.00	3					2	3															

MORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-69
Grid System : ORIGINAL
Collar Eastings : 21771.100
Collar Northings : 19926.800
Collar Elevations : 1013.150
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 58.00
Claim No. :

Logged by : LENA BROMMELAND
Date : JULY 17, 1990 - JULY 20, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	8.00	ARG										
0.00	2.00		Casing.	17260	2.00	4.00	2.00	30.	92.	12.	460.	0.2
			Dark grey argillite.									
4.00	6.00		1-2% weathered intrusive.	17261	4.00	6.00	2.00	43.	241.	19.	1050.	0.6
6.00	8.00		40% weathered limonitic intrusive.	17262	6.00	8.00	2.00	56.	241.	16.	1600.	0.2
8.00	50.00	INT	Limonitic qz rich intrusive - quite calcareous.	17263	8.00	10.00	2.00	11.	229.	12.	1200.	0.1
10.00	12.00		Trace-1% argillite. Fresh black biotite assoc. with intrusive.	17264	10.00	12.00	2.00	20.	243.	13.	1500.	0.1
12.00	18.00		1-2% argillite, fresh black biotite present.	17265	12.00	14.00	2.00	6.	108.	3.	780.	0.1
				17266	14.00	16.00	2.00	7.	53.	2.	320.	0.1
				17267	16.00	18.00	2.00	1.	46.	2.	480.	0.1
18.00	30.00		Fresh black biotite in white qtz chips & in int.	17268	18.00	20.00	2.00	3.	38.	2.	250.	0.1
				17269	20.00	22.00	2.00	9.	28.	2.	120.	0.1
			20-22m: Blue grey qz chips with fresh black biotite crystals.	17270	22.00	24.00	2.00	9.	27.	2.	130.	0.1
				17271	24.00	26.00	2.00	9.	50.	4.	400.	0.1
			26-28m: 5-10% grey qtz chips with biotite.	17272	26.00	28.00	2.00	12.	21.	2.	130.	0.1
				17273	28.00	30.00	2.00	10.	26.	2.	110.	0.1
30.00	40.00		Blue grey qtz chips with biotite mixed with intrusive which also contains black biotite.	17274	30.00	32.00	2.00	56.	99.	7.	2100.	0.1
				17275	32.00	34.00	2.00	30.	66.	2.	720.	0.1
				17276	34.00	36.00	2.00	11.	24.	2.	1300.	0.2
			34-36m: 1-2% black argillite.	17277	36.00	38.00	2.00	9.	74.	2.	360.	0.2
				17278	38.00	40.00	2.00	13.	56.	2.	220.	0.2
40.00	42.00		White qz chips with biotite crystals.	17279	40.00	42.00	2.00	9.	119.	11.	1200.	0.2
42.00	44.00		5-10% qz feldspar porphyry (QFP).	17280	42.00	44.00	2.00	86.	299.	15.	5400.	0.6
44.00	46.00		3-5% bleached QFP.	17281	44.00	46.00	2.00	93.	343.	17.	6500.	0.4
46.00	50.00		20% QFP. Trace-2% pyrite	17282	46.00	48.00	2.00	13.	257.	15.	2100.	0.3
				17283	48.00	50.00	2.00	32.	285.	14.	3300.	0.6
50.00	54.00	QFP	Green-grey qz feldspar porphyry.									
50.00	52.00		80% QFP, 20% limonitic intrusive.	17284	50.00	52.00	2.00	54.	725.	21.	10000.	0.6
52.00	54.00		70% QFP, 30% limonitic intrusive.	17285	52.00	54.00	2.00	48.	522.	23.	13000.	0.8
54.00	58.00	ARG	Black argillite.									

PROPERTY : BREMNER
HOLE No. : BCRC 90-69

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
54.00	56.00		90% argillite, 10% QFP.	17286	54.00	56.00	2.00	36.	392.	30.	8800.	1.5
				17287	56.00	58.00	2.00	7.	75.	7.	1100.	0.5

KORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-69
Grid System : ORIGINAL
Collar Eastings : 21771.100
Collar Northings : 19926.800
Collar Elevations : 1013.150
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 58.00
Claim No. :

Logged by : LENA BROMMELAND
Date : JULY 17, 1990 - JULY 20, 1990
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00																					
4.00	6.00						2															
6.00	8.00						2															
8.00	10.00	2			3	3	2															
10.00	12.00	2			3	3	2															
12.00	14.00	2			3	3	2															
14.00	16.00	3			1.5	3	2															
16.00	18.00	3			3	3	2															
18.00	20.00	2			3	2	1															
20.00	22.00	2			3	2	1															
22.00	24.00	2			3	2	1															
24.00	26.00	2			3	2	2															
26.00	28.00	2			3	2	2															
28.00	30.00	2			3	2	2															
30.00	32.00	2			3	2	3															
32.00	34.00	2			3	2	3															
34.00	36.00	2			3	2	1															
36.00	38.00	2			1	2	1															
38.00	40.00	2			1	2	2															
40.00	42.00	2			2	2	2															
42.00	44.00	2			2	2	2															
44.00	46.00	2			2	2	2		TR													
46.00	48.00	2			1	2	2		TR													
48.00	50.00	2			0	2	2		1													
50.00	52.00	2			2	2	2		1.5													
52.00	54.00	2			1	2	2															
54.00	56.00	2					2															
56.00	58.00	2					2															

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-70
Grid System : ORIGINAL
Collar Eastings : 21768.390
Collar Northings : 19909.530
Collar Elevations : 1009.630
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 62.00
Claim No. :

Logged by : L. K. BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	CASING									
2.00	44.00	INT	Limonitic porphyritic intrusive.									
2.00	4.00		1% black argillite	17288	2.00	4.00	2.00	220.	560.	23.	2500.	0.4
4.00	6.00		Trace - 1% white quartz chips	17289	4.00	6.00	2.00	74.	528.	39.	5400.	0.1
6.00	8.00		1 - 2% white quartz chips; 1% blue quartz	17290	6.00	8.00	2.00	1890.	1383.	33.	7300.	0.2
			chips with 1 - 2% sulphides - pyrite.	17291	8.00	10.00	2.00	37.	341.	21.	3200.	0.1
				17292	10.00	12.00	2.00	78.	344.	23.	5600.	0.1
12.00	14.00		Trace - 1% argillite; trace of pyrite in	17293	12.00	14.00	2.00	23.	242.	18.	7300.	0.1
			quartz stockwork.									
14.00	16.00		Trace - 1% light grey quartz feldspar	17294	14.00	16.00	2.00	1970.	1310.	23.	9600.	0.3
			porphyry?	17295	16.00	18.00	2.00	58.	224.	13.	3500.	0.1
18.00	20.00		Feldspars are in some chips altering to a	17296	18.00	20.00	2.00	55.	259.	11.	4000.	0.1
			pink clay. Trace of argillite.									
20.00	22.00		1 - 2% pyrite in white quartz stockwork.	17297	20.00	22.00	2.00	67.	450.	27.	3100.	0.1
				17298	22.00	24.00	2.00	4430.	1338.	26.	7800.	0.9
24.00	26.00		1% blue-grey quartz/quartz feldspar	17299	24.00	26.00	2.00	1200.	624.	44.	3600.	0.2
			porphyry?									
26.00	30.00		1 - 2% fresh black biotite with intrusive.	17300	26.00	28.00	2.00	270.	493.	21.	1100.	0.1
				17301	28.00	30.00	2.00	131.	294.	14.	1800.	0.1
30.00	32.00		20% Fresh black biotite on intrusive	17302	30.00	32.00	2.00	78.	108.	6.	1400.	0.1
			surfaces.									
32.00	34.00		Some "pink" clay alteration of feldspar	17303	32.00	34.00	2.00	30.	67.	5.	1600.	0.1
			phenocrysts. 20% Fresh black biotite on									
			intrusive surfaces.									
34.00	36.00		30% fresh black biotite on intrusive	17304	34.00	36.00	2.00	21.	49.	5.	1900.	0.1
			surfaces.	17305	36.00	38.00	2.00	14.	284.	17.	5200.	0.1
				17306	38.00	40.00	2.00	18.	179.	19.	4600.	0.1
				17307	40.00	42.00	2.00	21.	262.	32.	3300.	0.1
				17308	42.00	44.00	2.00	97.	332.	32.	2900.	0.1
44.00	48.00	INT	Blue grey to white quartz rich intrusive									
			plus or minus biotite.									
44.00	46.00		30% limonititc intrusive; biotite present.	17309	44.00	46.00	2.00	22.	73.	8.	540.	0.1
46.00	48.00		Trace - 1% of pyrite; 20% limonitic	17310	46.00	48.00	2.00	65.	384.	13.	4300.	0.1

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-70

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			intrusive.									
48.00	54.00	INT	Limonitic porphyritic intrusive.									
48.00	50.00		20% Quartz feldspar porphyry which contains 1 - 2% pyrite.	17311	48.00	50.00	2.00	102.	543.	25.	4800.	0.1
50.00	52.00		5% Quartz feldspar porphyry with pyrite.	17312	50.00	52.00	2.00	68.	427.	32.	6100.	0.1
52.00	54.00		40% Quartz feldspar porphyry with pyrite.	17313	52.00	54.00	2.00	25.	450.	32.	8600.	0.1
54.00	58.00	QFP	Quartz feldspar porphyry; moderately clay altered									
54.00	56.00		20% Limonitic intrusive; Trace of pyrite.	17314	54.00	56.00	2.00	19.	305.	22.	4900.	0.1
56.00	58.00		30% Limonitic intrusive; 1 - 2% pyrite.	17315	56.00	58.00	2.00	28.	359.	30.	5400.	0.6
58.00	62.00	ARG	Black pyrite rich argillite (3% pyrite); contains 10% quartz feldspar porphyry chips.	17316	58.00	60.00	2.00	21.	202.	14.	1300.	0.8
				17317	60.00	62.00	2.00	16.	132.	13.	1800.	0.7

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-70
Grid System : ORIGINAL
Collar Eastings : 21768.390
Collar Northings : 19909.530
Collar Elevations : 1009.630
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 62.00
Claim No. :

Logged by : L. K. BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES												GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %		FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.00	4.00	3				2	2	2																
4.00	6.00	3				2	2	2																
6.00	8.00	2			1	2	2	2		TR														
8.00	10.00	2				2	2	2																
10.00	12.00	2				2	2	2																
12.00	14.00	2				2	2	2.5		TR														
14.00	16.00	2				2	2	1																
16.00	18.00	3				2	2	1																
18.00	20.00	3				2	2	2																
20.00	22.00	2				2	2	2		1 - 2														
22.00	24.00	2				2	2	2																
24.00	26.00	2				2	2	1																
26.00	28.00	2				2	2	1																
28.00	30.00	2				2	2	1																
30.00	32.00	3				2	2	1																
32.00	34.00	3				2	1																	
34.00	36.00	3			2	2	1	1																
36.00	38.00	2			2	2	1																	
38.00	40.00	2			1	2	2	1																
40.00	42.00	2			1	2	2																	
42.00	44.00	2			1	2	2																	
44.00	46.00	3			2	2	1																	
46.00	48.00	3			1	2	1			TR - 1														
48.00	50.00	2				2	3			1 - 2														

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-70

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Si %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
50.00	52.00	2			1	2	3			TR - 1													
52.00	54.00	2			1	2	3			TR - 1													
54.00	56.00	2			1	2	2			TR													
56.00	58.00	2			1	2	2			1 - 2													
58.00	60.00									3													
60.00	62.00									3													

MORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-71
Grid System : ORIGINAL
Collar Eastings : 21768.690
Collar Northings : 19889.330
Collar Elevations : 1004.430
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 64.00
Claim No. :

Logged by : L. K. BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	CASING									
2.00	16.00	INT	Limonitic porphyritic quartz rich intrusive with "relic" biotite flakes.									
2.00	4.00		Vuggy quartz with cockscomb crystals.	17318	2.00	4.00	2.00	630.	1211.	859.	2900.	1.3
				17319	4.00	6.00	2.00	610.	1282.	264.	2700.	1.9
				17320	6.00	8.00	2.00	530.	1394.	264.	2900.	1.0
8.00	10.00		10% bleached intrusive, grey green in colour.	17321	8.00	10.00	2.00	800.	1527.	142.	2800.	1.3
10.00	12.00		Quartz chips with stibnite (trace).	17322	10.00	12.00	2.00	2890.	1571.	76.	2200.	2.3
				17323	12.00	14.00	2.00	2060.	1680.	52.	3100.	2.2
14.00	16.00		30% Black argillite.	17324	14.00	16.00	2.00	1180.	978.	72.	5600.	1.4
16.00	28.00	ARG	Black argillite with white quartz stockwork.									
16.00	18.00		30% Limonitic intrusive with quartz stockwork.	17325	16.00	18.00	2.00	350.	760.	59.	4100.	1.2
				17326	18.00	20.00	2.00	105.	543.	50.	3300.	1.1
				17327	20.00	22.00	2.00	137.	353.	47.	3500.	1.9
				17328	22.00	24.00	2.00	121.	544.	46.	5800.	1.1
				17329	24.00	26.00	2.00	110.	326.	34.	3000.	2.4
				17330	26.00	28.00	2.00	78.	412.	40.	3500.	2.0
28.00	56.00	INT	Limonitic porphyritic intrusive with "relic" biotite; quartz rich.									
28.00	30.00		5% Black argillite with quartz stockwork.	17331	28.00	30.00	2.00	3670.	1636.	39.	32000.	0.8
				17332	30.00	32.00	2.00	550.	619.	23.	5400.	0.1
32.00	34.00		Quartz stockwork increasing in intensity.	17333	32.00	34.00	2.00	530.	735.	31.	10800.	0.2
				17334	34.00	36.00	2.00	1470.	732.	22.	3800.	0.2
36.00	38.00		10% bleached blue/grey intrusive.	17335	36.00	38.00	2.00	310.	378.	19.	4600.	0.1
38.00	40.00		40% bleached blue/grey intrusive.	17336	38.00	40.00	2.00	3370.	1544.	21.	14000.	0.5
				17337	40.00	42.00	2.00	680.	533.	19.	4500.	0.1
42.00	54.00		Grades from 10 to 40% bleached blue/grey	17338	42.00	44.00	2.00	320.	525.	25.	9300.	0.1
			intrusive (/Quartz feldspar porphyry?)	17339	44.00	46.00	2.00	1090.	574.	18.	3000.	0.1
			(Note: from 52 to 54 metres trace amounts	17340	46.00	48.00	2.00	450.	542.	16.	3300.	0.1
			of grey sulphide - stibnite or pyrite?)	17341	48.00	50.00	2.00	490.	446.	17.	4000.	0.1

[illegible] EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-71

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				17342	50.00	52.00	2.00	740.	607.	20.	10000.	0.1
				17343	52.00	54.00	2.00	340.	300.	15.	5800.	0.1
54.00	56.00		Trace amounts of grey sulphide - stibnite or pyrite?	17344	54.00	56.00	2.00	360.	484.	19.	7300.	0.4
56.00	60.00	QFP	Biotite rich, grey quartz feldspar porphyry with moderately altered feldspar phenocrysts; calcareous. Biotite is black (10% rusty coloured).	17345	56.00	58.00	2.00	210.	244.	31.	2900.	0.2
				17346	58.00	60.00	2.00	63.	105.	29.	1200.	0.5
60.00	64.00	ARG	Black argillite with quartz stockwork.									
60.00	62.00		20% Grey quartz feldspar porphyry chips with trace of grey sulphides - stibnite.	17347	60.00	62.00	2.00	37.	97.	24.	3600.	1.5
62.00	64.00		5 - 10% Quartz feldspar porphyry.	17379	62.00	64.00	2.00	25.	70.	16.	5200.	1.2

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-71
Grid System : ORIGINAL
Collar Eastings : 21768.690
Collar Northings : 19889.330
Collar Elevations : 1004.430
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 64.00
Claim No. :

Logged by : L. K. BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	1					2.5	3-5	2													
4.00	6.00	1					2.5	3-5	2													
6.00	8.00	2					2.5	3-5	2													
8.00	10.00	2				1	2	3-5	1													
10.00	12.00	2					2	2-3	2	TR												
12.00	14.00	2					2	2-3	2													
14.00	16.00	2					2	2-3	2													
16.00	18.00								2													
18.00	20.00								2													
20.00	22.00								2													
22.00	24.00								2													
24.00	26.00								2													
26.00	28.00								2													
28.00	30.00	2				1	2.5	3-5	2													
30.00	32.00	2					2.5	3-5	2													
32.00	34.00	2				1	2.5	3-5	3													
34.00	36.00	2					2.5	3-5	2													
36.00	38.00	2				1	2.5	2-3														
38.00	40.00	2					2.0	2-3														
40.00	42.00	2					2.0	2-3														
42.00	44.00	2					2.0	2-3														
44.00	46.00	2					2.0	2-3														
46.00	48.00	2					2.0	2-3														
48.00	50.00	2					2.0	2-3														
50.00	52.00	2					2.5	2-3														
52.00	54.00	2					2.5	2-3	TR													
54.00	56.00	2					2.5	2-3	1-2													

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-71

FROM	TO	Arg	Sil	Serc	GEOCHEMICAL SAMPLES Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
56.00	58.00	1.5			2	1	1-2			
58.00	60.00	1.5			2	1	1-2			
60.00	62.00				1				TR	
62.00	64.00				1					

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : Brewery Creek
HOLE No. : BCRC 90-72
Grid System : ORIGINAL
Collar Eastings : 21766.830
Collar Northings : 19867.830
Collar Elevations : 1000.350
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 64.00
Claim No. :

Logged by : L. K. Brommeland
Date : -
Downhole Survey :
Drilled By : Midnight Sun
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	CASING									
2.00	12.00	INT	Limonitic porphyritic intrusive with moderately altered feldspar phenocrysts and relic biotite.									
2.00	4.00		Fresh black biotite, lacks rusty limonite.	17348	2.00	4.00	2.00	95.	376.	16.	1600.	0.1
				17349	4.00	6.00	2.00	58.	807.	41.	4600.	0.1
6.00	8.00		2% Black argillite with white quartz stockwork.	17350	6.00	8.00	2.00	26.	492.	32.	3300.	0.1
				17351	8.00	10.00	2.00	24.	837.	35.	2600.	0.1
10.00	12.00		Fresh black biotite flakes.	17352	10.00	12.00	2.00	14.	658.	26.	1400.	0.1
12.00	16.00	QPP	Unweathered quartz feldspar porphyry with fresh black biotite flakes.	17353	12.00	14.00	2.00	15.	168.	10.	410.	0.1
				17354	14.00	16.00	2.00	14.	289.	9.	1500.	0.1
16.00	44.00	INT	Limonitic porphyritic intrusive with moderately altered feldspar phenocrysts. Contains fresh black biotite and "relic" biotite.	17355	16.00	18.00	2.00	12.	713.	15.	1400.	0.1
18.00	22.00		Fresh black biotite present.	17356	18.00	20.00	2.00	760.	1072.	25.	1600.	0.4
				17357	20.00	22.00	2.00	43.	538.	27.	1050.	0.1
22.00	28.00		Lacks fresh black biotite.	17358	22.00	24.00	2.00	55.	550.	27.	2200.	0.1
				17359	24.00	26.00	2.00	18.	460.	17.	1400.	0.1
				17360	26.00	28.00	2.00	1090.	855.	35.	5200.	0.2
				17361	28.00	30.00	2.00	1860.	1949.	50.	9300.	0.3
				17362	30.00	32.00	2.00	890.	1188.	58.	5500.	0.1
32.00	34.00		Trace - 1% quartz vein with stibnite.	17363	32.00	34.00	2.00	1510.	3072.	54.	11000.	1.1
34.00	36.00		Less limonitic, contains more quartz.	17364	34.00	36.00	2.00	820.	875.	37.	7500.	1.7
				17365	36.00	38.00	2.00	560.	1040.	49.	5200.	1.2
				17366	38.00	40.00	2.00	720.	1365.	56.	5400.	1.4
40.00	42.00		Quartz vein with stibnite.	17367	40.00	42.00	2.00	1410.	1898.	40.	4600.	3.5
42.00	44.00		40% Black argillite.	17368	42.00	44.00	2.00	1800.	888.	135.	10000.	4.0
44.00	48.00	ARG	Black argillite with white quartz veining.									
44.00	48.00		20% Limonitc intrusive.	17369	44.00	46.00	2.00	2490.	1126.	37.	11000.	1.3
				17370	46.00	48.00	2.00	310.	525.	19.	4100.	1.8

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Brewery Creek
HOLE No. : BCRC 90-72

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
48.00	50.00	QFP	Quartz feldspar porphyry (QFP) with grey disseminated sulphides - stibnite?	17371	48.00	50.00	2.00	220.	442.	13.	5000.	1.7
50.00	52.00	ARG	Black argillite with white quartz veining and disseminated sulphide - pyrite.	17372	50.00	52.00	2.00	1020.	345.	20.	13000.	1.8
52.00	60.00	QFP	Grey quartz feldspar porphyry with disseminated grey sulphide - stibnite, pyrite.									
52.00	60.00		10% Black argillite with disseminated pyrite; 10% white quartz with disseminated pyrite.	17373	52.00	54.00	2.00	1740.	1051.	25.	8700.	1.2
				17374	54.00	56.00	2.00	1330.	1185.	21.	10000.	0.5
				17375	56.00	58.00	2.00	1640.	1474.	20.	18000.	0.5
				17376	58.00	60.00	2.00	590.	542.	20.	17000.	0.6
60.00	64.00	ARG	Black argillite with very fine grained disseminated pyrite.	17377	60.00	62.00	2.00	97.	87.	11.	2500.	1.8
				17378	62.00	64.00	2.00	44.	45.	5.	1600.	1.0

BONANZA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : Brewery Creek
HOLE No. : BCRC 90-72
Grid System : ORIGINAL
Collar Eastings : 21766.830
Collar Northings : 19867.830
Collar Elevations : 1000.350
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 64.00
Claim No. :

Logged by : L. K. Bronneland
Date : -
Downhole Survey :
Drilled By : Midnight Sun
Core Size : RC

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00	2					1	1-2		
4.00	6.00	2					2	3-5		
6.00	8.00	2					2	3-5		
8.00	10.00	2					2	3-5		
10.00	12.00	1					1	3-5		
12.00	14.00	1					1	1-2		
14.00	16.00	1					1	1-2		
16.00	18.00	2				0.5	1	3-5		
18.00	20.00	2					1	3-5		
20.00	22.00	2					1	3-5		
22.00	24.00	2					1	3-5		
24.00	26.00	2					1	3-5		
26.00	28.00	2					1	3-5		
28.00	30.00	2					1.5	3-5		
30.00	32.00	2					1.5	3-5		
32.00	34.00	2					1.5	3-5	1	TR
34.00	36.00	2.5					1.5	1-2	1	
36.00	38.00	2.5					1.5	3-5	2	
38.00	40.00	2.5					1.5	3-5	2	
40.00	42.00	2.5					1.5	3-5	2	1
42.00	44.00	2.5					1.5	3-5	2	
44.00	46.00									
46.00	48.00									
48.00	50.00	1					1.5	1		TR
50.00	52.00				1			1	2	1-2

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Sr %	Veins %	Bdg	Struc	Color	Sulph %	QuartzCirCode %

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Brewery Creek
HOLE No. : BCRC 90-72

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
52.00	54.00	2			1	2	1		1-2													
54.00	56.00	2				2	1		1-2													
56.00	58.00	2				2	1		1-2													
58.00	60.00	2				2	1		1-2													
60.00	62.00								3-5													
62.00	64.00								3-5													

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-73
Grid System : ORIGINAL
Collar Eastings : 21765.260
Collar Northings : 19801.600
Collar Elevations : 984.340
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : L. K. BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	CASING									
2.00	42.00	INT	Limonitic porphyritic intrusive with moderately altered feldspar phenocrysts; relic biotite.									
2.00	4.00		White quartz vein with stibnite.	17380	2.00	4.00	2.00	420.	1018.	780.	4900.	0.3
				17381	4.00	6.00	2.00	1890.	1666.	1196.	5600.	0.5
6.00	8.00		10% Bleached intrusive which lacks limonite.	17382	6.00	8.00	2.00	2150.	1516.	1170.	6600.	0.7
8.00	10.00		White quartz vein with stibnite.	17383	8.00	10.00	2.00	8950.	2590.	20816.	9200.	9.1
10.00	20.00		Increases from 5 - 20% bleached white/ grey intrusive over this interval.	17384	10.00	12.00	2.00	7990.	2824.	3772.	4600.	1.4
				17385	12.00	14.00	2.00	4930.	2463.	756.	12000.	0.9
				17386	14.00	16.00	2.00	260.	566.	313.	7200.	0.4
				17387	16.00	18.00	2.00	290.	549.	220.	9400.	0.7
				17388	18.00	20.00	2.00	200.	871.	165.	7300.	1.7
				17389	20.00	22.00	2.00	86.	1235.	284.	4500.	0.7
22.00	24.00		Fresh black biotite.	17390	22.00	24.00	2.00	37.	1300.	187.	1600.	0.8
				17391	24.00	26.00	2.00	76.	507.	91.	2200.	0.6
26.00	28.00		White quartz vein with grey sulphide-stibnite?	17392	26.00	28.00	2.00	65.	584.	90.	3400.	0.7
				17393	28.00	30.00	2.00	1420.	1238.	111.	7300.	2.2
30.00	32.00		White quartz vein (/Quartz feldspar porphyry?) with grey sulphide - stibnite?	17394	30.00	32.00	2.00	590.	833.	73.	6800.	1.0
				17395	32.00	34.00	2.00	38.	538.	67.	3600.	0.6
				17396	34.00	36.00	2.00	53.	309.	48.	2700.	0.1
36.00	40.00		White quartz veing (/Quartz feldspar porphyry?) with grey sulphide - stibnite?	17397	36.00	38.00	2.00	33.	272.	61.	3400.	0.3
				17398	38.00	40.00	2.00	20.	632.	61.	1900.	0.7
				17399	40.00	42.00	2.00	7.	265.	39.	2500.	0.5
42.00	52.00	ARG	Black argillite with disseminated pyrite.									
42.00	44.00		20% Limonitic intrusive with a trace of white quartz veining/quartz feldspar porphry which contains grey sulphide - stibnite?	17400	42.00	44.00	2.00	3.	150.	21.	2000.	0.4
44.00	46.00		5% limonitic intrusive.	17401	44.00	46.00	2.00	11.	108.	19.	1300.	0.3
				17402	46.00	48.00	2.00	5.	37.	10.	780.	0.3
				17403	48.00	50.00	2.00	15.	40.	20.	810.	0.3

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-73

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				17404	50.00	52.00	2.00	23.	397.	48.	1300.	0.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-73
Grid System : ORIGINAL
Collar Eastings : 21765.260
Collar Northings : 19801.600
Collar Elevations : 984.340
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : L. K. BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sz	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.00	4.00	2					2	3-5	1	TR													
4.00	6.00	2					2	3-5															
6.00	8.00	2					2	3-5															
8.00	10.00	2				1	2	3-5	1	1-2													
10.00	12.00	1.5					2	3-5															
12.00	14.00	1.5					2	3-5															
14.00	16.00	1.5					2	1-2															
16.00	18.00	1.5				0.5	2	1-2															
18.00	20.00	1.5					2	1-2															
20.00	22.00	1.5					2	3-5															
22.00	24.00	1.5					1	3-5															
24.00	26.00	1.5					2	3-5															
26.00	28.00	1.5					2	3-5	1	TR													
28.00	30.00	1.5					2	3-5															
30.00	32.00	1.5					2	3-5	1	TR													
32.00	34.00	1.5					2	3-5															
34.00	36.00	1.5					2	3-5															
36.00	38.00	1.5				1	2	3-5	1	TR													
38.00	40.00	1.5					2	3-5															
40.00	42.00	1.5					2	3-5															
42.00	44.00					1			1	TR													
44.00	46.00									1-2													
46.00	48.00									1-2													
48.00	50.00									1-2													
50.00	52.00									1-2													

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-74
Grid System : ORIGINAL
Collar Eastings : 21765.560
Collar Northings : 19780.890
Collar Elevations : 977.230
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : L. K. BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	CASING									
2.00	38.00	INT	Limonitic porphyritic intrusive with moderately altered feldspar phenocrysts; relic biotite.									
2.00	8.00		30% Bleached intrusive.	17405	2.00	4.00	2.00	450.	1411.	247.	3400.	1.6
				17406	4.00	6.00	2.00	1020.	1165.	846.	4600.	5.7
				17407	6.00	8.00	2.00	2090.	1375.	626.	5800.	1.4
				17408	8.00	10.00	2.00	790.	1514.	462.	2900.	1.3
				17409	10.00	12.00	2.00	2490.	2281.	698.	5100.	1.7
12.00	14.00		30% Bleached intrusive.	17410	12.00	14.00	2.00	2660.	1655.	780.	7400.	1.3
14.00	16.00		White quarz vein chips with grey sulphide-stibnite. 30% bleached intrusive.	17411	14.00	16.00	2.00	280.	1635.	351.	11000.	0.8
16.00	20.00		30% Bleached intrusive.	17412	16.00	18.00	2.00	102.	1164.	537.	7500.	0.6
				17413	18.00	20.00	2.00	11900.	1765.	4809.	7800.	1.8
20.00	22.00		White quartz vein chips with grey sulphide - stibnite. 30% bleached intrusive.	17414	20.00	22.00	2.00	5350.	1602.	7825.	6800.	1.5
22.00	26.00		30% Bleached intrusive.	17415	22.00	24.00	2.00	9320.	3433.	4712.	6300.	1.8
				17416	24.00	26.00	2.00	13270.	3911.	831.	5300.	2.2
26.00	28.00		White quartz vien/quartz feldspar porphyry? with grey sulphide - stibnite? 30% Bleached intrusive.	17417	26.00	28.00	2.00	2300.	1775.	1076.	5500.	1.1
				17418	28.00	30.00	2.00	1900.	1199.	936.	4400.	0.6
30.00	38.00		Grades from 5 - 30% bleached intrusive chips with grey sulphide - pyrite? or stibnite?	17419	30.00	32.00	2.00	450.	1186.	289.	5800.	0.3
				17420	32.00	34.00	2.00	290.	780.	107.	8200.	0.3
				17421	34.00	36.00	2.00	56.	928.	144.	7300.	0.5
				17422	36.00	38.00	2.00	55.	812.	83.	2800.	0.5
38.00	42.00	ARG	Black argillite with disseminated pyrite and white quartz stockwork.									
38.00	40.00		30% Limonitic intrusive.	17423	38.00	40.00	2.00	9.	178.	29.	3300.	0.3
				17424	40.00	42.00	2.00	2.	195.	40.	1500.	0.3
42.00	44.00	INT	Bleached intrusive.									
42.00	44.00		10 - 15% Black argillite.	17425	42.00	44.00	2.00	23.	179.	29.	1800.	0.2
44.00	52.00	ARG	Black argillite with disseminated cube									

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-74

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			shaped pyrite and quartz veining.									
44.00	46.00		10% Bleached intrusive.	17426	44.00	46.00	2.00	4.	95.	25.	680.	0.3
				17427	46.00	48.00	2.00	9.	91.	34.	850.	0.3
				17428	48.00	50.00	2.00	3.	49.	15.	500.	0.4
50.00	52.00		20% Quartz feldspar porphyry/white quartz vein? with fine grained grey sulphide - stibnite?	17429	50.00	52.00	2.00	1.	63.	14.	1300.	0.3

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-74
Grid System : ORIGINAL
Collar Eastings : 21765.560
Collar Northings : 19780.890
Collar Elevations : 977.230
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : L. K. BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

FROM	TO	Arg	Sil	Serc	GEOCHEMICAL SAMPLES Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00	2				2	1-3			
4.00	6.00	3				2	1-3			
6.00	8.00	3				2	1-3			
8.00	10.00	3			1	2	1-3			
10.00	12.00	2				2	1-3			
12.00	14.00	2				2	1-3			
14.00	16.00	2				2	1-3			TR
16.00	18.00	2				2	1-3			
18.00	20.00	1.5				2	1-3			
20.00	22.00	3				2	1-3	2		TR
22.00	24.00	1.5				2	3-5	1		
24.00	26.00	1.5				2	3-5			
26.00	28.00	1.5				2	3-5	1		TR
28.00	30.00	1.5				2	3-5			
30.00	32.00	1.5				2	3-5	1		1-2
32.00	34.00	2.5				2	3-5			1-2
34.00	36.00	2.5				2	3-5	2		1-2
36.00	38.00	2.5			1	2	3-5	2		3-5
38.00	40.00							2		1-3
40.00	42.00									
42.00	44.00	2.5			0.5	2	1-3			
44.00	46.00							1		3-5
46.00	48.00							1		3-5
48.00	50.00							1		3-5

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-74

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
50.00	52.00							1	3-5													

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-75
Grid System : ORIGINAL
Collar Eastings : 21765.300
Collar Northings : 19764.740
Collar Elevations : 971.070
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : RICK DIMENT
Date : - -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	34.00	INT	Limonitic qz rich intrusive.									
2.00	16.00		Strong qz stwk veining. Tr of stibnite in white qz.	17430	2.00	4.00	2.00	1030.	1505.	4653.	4000.	1.1
				17431	4.00	6.00	2.00	1530.	1473.	3831.	5800.	1.2
				17432	6.00	8.00	2.00	860.	941.	4878.	5400.	1.2
				17433	8.00	10.00	2.00	1780.	2108.	2330.	4200.	1.2
				17434	10.00	12.00	2.00	4060.	2304.	4236.	4600.	1.5
				17435	12.00	14.00	2.00	2650.	2214.	648.	5300.	2.0
				17436	14.00	16.00	2.00	490.	1533.	273.	6800.	1.6
16.00	20.00		Minor qz stwk.	17437	16.00	18.00	2.00	200.	1474.	206.	15000.	1.6
				17438	18.00	20.00	2.00	25.	653.	124.	9000.	0.6
20.00	22.00		5% light grey quartz feldspar porphyry (QFP). Moderate qz stwk veining.	17439	20.00	22.00	2.00	3.	1132.	157.	8800.	0.7
				17440	22.00	24.00	2.00	290.	1786.	214.	12000.	0.7
				17441	24.00	26.00	2.00	390.	1290.	175.	13000.	0.6
26.00	30.00		Red rusty qz stwk veining. 5% light blueish grey qz and sulfide rich cores. 2% stibnite/pyrite.	17442	26.00	28.00	2.00	5020.	2497.	178.	8600.	0.7
				17443	28.00	30.00	2.00	6150.	3596.	155.	5700.	0.6
30.00	34.00		20% light grey QFP with 1% disseminated sulphide.	17444	30.00	32.00	2.00	1920.	1301.	131.	8000.	0.4
				17445	32.00	34.00	2.00	630.	1570.	162.	5800.	0.5
34.00	36.00	QFP	Light grey QFP with 1% dissem. black sulphide. 20% limonitic qtz rich intrusive	17446	34.00	36.00	2.00	1350.	1860.	79.	6300.	0.6
36.00	46.00	ARG	Dark black argillite.	17447	36.00	38.00	2.00	11.	148.	17.	1500.	0.3
				17448	38.00	40.00	2.00	24.	50.	10.	560.	0.2
				17449	40.00	42.00	2.00	35.	58.	17.	550.	0.3
				17450	42.00	44.00	2.00	18.	29.	9.	330.	0.3
				17451	44.00	46.00	2.00	21.	70.	12.	400.	0.4
46.00	48.00	INT	Weakly limonitic qz rich intrusive.	17452	46.00	48.00	2.00	2.	109.	14.	580.	0.3
48.00	50.00	ARG	Dark black argillite.	17453	48.00	50.00	2.00	10.	177.	21.	1600.	0.5

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-75
Grid System : ORIGINAL
Collar Eastings : 21765.300
Collar Northings : 19764.740
Collar Elevations : 971.070
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.00	4.00	3					4	3	3	TR													
4.00	6.00	3					4	3	3	TR													
6.00	8.00	3					4	3	3	TR													
8.00	10.00	3					4	3	3	TR													
10.00	12.00	3					4	3	3	TR													
12.00	14.00	3					4	3	3	TR													
14.00	16.00	3					4	3	3	TR													
16.00	18.00	3					3	3	2														
18.00	20.00	3					3	3	1														
20.00	22.00	3					3	3	1														
22.00	24.00	3					3	3	1														
24.00	26.00	3					3	3	1														
26.00	28.00	3					3	4	2														
28.00	30.00	3					3	4	2														
30.00	32.00	3					3	3															
32.00	34.00	3					2	1															
34.00	36.00	3					2	1															
36.00	38.00																						
38.00	40.00																						
40.00	42.00																						
42.00	44.00																						
44.00	46.00																						
46.00	48.00	2					1																
48.00	50.00																						

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-76
Grid System : ORIGINAL
Collar Eastings : 21764.920
Collar Northings : 19746.040
Collar Elevations : 964.020
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	6.00	F*INT	Greenish grey biotite rich intrusive. Weak limonite staining.	17478	2.00	4.00	2.00	21.	198.	130.	80.	0.2
				17479	4.00	6.00	2.00	22.	151.	83.	140.	0.1
6.00	8.00	INT	Limonitic altered intrusive; Minor black biotite.	17480	6.00	8.00	2.00	22.	316.	222.	250.	0.1
8.00	10.00	F*INT	Greenish grey biotite rich intrusive.	17481	8.00	10.00	2.00	11.	228.	151.	300.	0.1
10.00	24.00	INT	Limonitic qz rich altered intrusive. Minor qz stockwork.	17482	10.00	12.00	2.00	105.	491.	218.	1100.	0.1
				17483	12.00	14.00	2.00	75.	648.	282.	5200.	0.8
				17484	14.00	16.00	2.00	63.	764.	327.	4700.	0.4
				17485	16.00	18.00	2.00	58.	760.	305.	2900.	0.1
18.00	24.00		30% rusty (hematite) qz and white qz stockwork veining.	17486	18.00	20.00	2.00	440.	1140.	1224.	5600.	0.2
				17487	20.00	22.00	2.00	2090.	1714.	2228.	7300.	0.8
				17488	22.00	24.00	2.00	1360.	1911.	2317.	7800.	1.9
24.00	28.00	QFP	Light blueish grey QFP. Feldspars moderately to strongly clay altered. 1-2% pyrite. 15% limonitic intrusive.	17489	24.00	26.00	2.00	1230.	2266.	390.	3200.	1.8
				17490	26.00	28.00	2.00	2610.	3069.	610.	2900.	1.2
28.00	36.00	INT	Limonitic intrusive with 30% light grey QFP, 1% pyrite.									
28.00	30.00		Rusty (hematitic) qz stockwork.	17491	28.00	30.00	2.00	13740.	9100.	280.	8000.	2.5
				17492	30.00	32.00	2.00	9320.	4864.	370.	7500.	2.1
				17493	32.00	34.00	2.00	2880.	2970.	122.	7900.	0.8
				17494	34.00	36.00	2.00	112.	631.	72.	7600.	0.2
36.00	50.00	ARG	Dark black argillite.	17495	36.00	38.00	2.00	990.	2068.	43.	3900.	0.8
				17496	38.00	40.00	2.00	33.	160.	15.	1400.	0.2
				17497	40.00	42.00	2.00	25.	66.	10.	830.	0.2
				17498	42.00	44.00	2.00	27.	59.	12.	560.	0.2
				17499	44.00	46.00	2.00	14.	35.	7.	280.	0.1
				17500	46.00	48.00	2.00	5.	26.	8.	170.	0.2

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-76

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				17501	48.00	50.00	2.00	10.	41.	10.	180.	0.2

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-76
Grid System : ORIGINAL
Collar Eastings : 21764.920
Collar Northings : 19746.040
Collar Elevations : 964.020
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	GEOTECHNICAL SAMPLES Reco-very %	Lim %	Break-age	Sx %	Veins %	Bdc	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2					1	1														
4.00	6.00	2					1	1														
6.00	8.00	3						3														
8.00	10.00	2						1														
10.00	12.00	3						3	1													
12.00	14.00	3						3	1													
14.00	16.00	3						3	1													
16.00	18.00	3						3	1													
18.00	20.00	3						3	2													
20.00	22.00	3						3	2													
22.00	24.00	3						3	2													
24.00	26.00	3				2		1	1	1												
26.00	28.00	3				2		1	1	1												
28.00	30.00	3				1		3	2	1												
30.00	32.00	3						3		1												
32.00	34.00	3						3		1												
34.00	36.00	3						3		1												
36.00	38.00							3														
38.00	40.00							3														
40.00	42.00							3														
42.00	44.00							3														
44.00	46.00							3														
46.00	48.00							3														
48.00	50.00							3		1												

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-77
Grid System : ORIGINAL
Collar Eastings : 21655.320
Collar Northings : 19893.660
Collar Elevations : 1015.740
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	6.00	ARG	Dark grey to black argillite, weakly limonitic.	17454	2.00	4.00	2.00	13.	362.	26.	260.	0.5
				17455	4.00	6.00	2.00	31.	515.	13.	950.	0.7
6.00	10.00	INT	Light brownish yellow bleached intrusive. Qz stockwork									
6.00	8.00		40% dark grey argillite.	17456	6.00	8.00	2.00	9.	385.	25.	620.	0.9
				17457	8.00	10.00	2.00	11.	417.	12.	560.	0.8
10.00	26.00	ARG	Dark grey to black argillite with minor white qz veining.	17458	10.00	12.00	2.00	23.	501.	29.	1100.	1.1
				17459	12.00	14.00	2.00	8.	310.	20.	1050.	1.3
14.00	18.00		20% limonitic intrusive with minor qz stockwork.	17460	14.00	16.00	2.00	13.	202.	13.	1700.	1.7
				17461	16.00	18.00	2.00	34.	123.	11.	1600.	1.9
				17462	18.00	20.00	2.00	83.	117.	16.	3700.	2.0
				17463	20.00	22.00	2.00	28.	121.	8.	4200.	2.2
				17464	22.00	24.00	2.00	65.	242.	16.	6500.	2.9
24.00	26.00		10% limonitic intrusive.	17465	24.00	26.00	2.00	220.	568.	14.	4600.	3.1
26.00	30.00	INT	Limonitic qz rich intrusive; moderate qz stwk veining.	17466	26.00	28.00	2.00	490.	825.	12.	2300.	1.0
				17467	28.00	30.00	2.00	8.	271.	9.	10000.	1.0
30.00	32.00	ARG	Dark black argillite; 10% limonitic intrusive.	17468	30.00	32.00	2.00	12.	239.	13.	3300.	1.8
32.00	34.00	INT	Limonitic intrusive. Moderate qz stwk with minor hematite staining (redder).	17469	32.00	34.00	2.00	1040.	253.	11.	13000.	1.8
34.00	50.00	ARG	Dark black graphitic argillite. 2-3% diss. pyrite.	17470	34.00	36.00	2.00	200.	304.	8.	18000.	5.3
				17471	36.00	38.00	2.00	11.	253.	11.	6900.	3.5
				17472	38.00	40.00	2.00	6.	229.	12.	17000.	2.0
				17473	40.00	42.00	2.00	62.	263.	19.	14000.	2.5
				17474	42.00	44.00	2.00	12.	170.	28.	6500.	1.6
				17475	44.00	46.00	2.00	10.	147.	25.	4300.	1.5
				17476	46.00	48.00	2.00	30.	227.	24.	7800.	1.9

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-77

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				17477	48.00	50.00	2.00	8.	226.	24.	6200.	1.7

MONANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-77
Grid System : ORIGINAL
Collar Eastings : 21655.320
Collar Northings : 19893.660
Collar Elevations : 1015.740
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged By : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.00	4.00						1																
4.00	6.00						1																
6.00	8.00	3.5				3	2	2															
8.00	10.00	3.5				3	2	2															
10.00	12.00																						
12.00	14.00																						
14.00	16.00						1	1															
16.00	18.00						1	1															
18.00	20.00																						
20.00	22.00																						
22.00	24.00																						
24.00	26.00																						
26.00	28.00	3				3	3	2															
28.00	30.00	3				3	3	2															
30.00	32.00																						
32.00	34.00	3				3	4	2															
34.00	36.00									2													
36.00	38.00									2													
38.00	40.00									2													
40.00	42.00									2													
42.00	44.00									2													
44.00	46.00									2													
46.00	48.00									2													
48.00	50.00									2													

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-78
Grid System : ORIGINAL
Collar Eastings : 21658.810
Collar Northings : 19870.920
Collar Elevations : 1009.080
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	26.00	INT	Limonitic qz rich intrusive. Moderate to strong argillic alteration (bleached)									
2.00	10.00		Moderate to strong qz stwk veining.	17502	2.00	4.00	2.00	1650.	1062.	27.	10000.	0.4
				17503	4.00	6.00	2.00	6060.	1215.	33.	11000.	0.8
				17504	6.00	8.00	2.00	3650.	1618.	66.	11000.	0.7
				17505	8.00	10.00	2.00	1630.	1554.	37.	13000.	0.3
10.00	16.00		Less limonitic, minor qz stockwork.	17506	10.00	12.00	2.00	1610.	1214.	46.	7800.	0.2
				17507	12.00	14.00	2.00	500.	835.	43.	8100.	0.1
				17508	14.00	16.00	2.00	310.	689.	44.	7600.	0.1
16.00	22.00		Moderate qz stockwork veining. Minor hematite staining on qz.	17509	16.00	18.00	2.00	2400.	2534.	78.	6800.	0.5
				17510	18.00	20.00	2.00	3890.	3540.	74.	5500.	0.6
				17511	20.00	22.00	2.00	3190.	2869.	876.	4300.	1.8
22.00	24.00		Strong qz stockwork veining. Washed split 80% qz, tr stibnite.	17512	22.00	24.00	2.00	3090.	1298.	2782.	2980.	2.3
24.00	26.00		Strong qz stockwork veining. 50% argillite	17513	24.00	26.00	2.00	770.	833.	52.	2100.	1.2
26.00	46.00	ARG	Dark black argillite. 1-2% pyrite.	17514	26.00	28.00	2.00	94.	88.	29.	3000.	0.5
				17515	28.00	30.00	2.00	27.	76.	35.	5200.	1.2
				17516	30.00	32.00	2.00	31.	149.	22.	3800.	2.2
				17517	32.00	34.00	2.00	18.	47.	11.	4100.	2.2
				17518	34.00	36.00	2.00	21.	89.	8.	3300.	2.1
				17519	36.00	38.00	2.00	13.	115.	6.	3600.	2.8
				17520	38.00	40.00	2.00	11.	65.	6.	2500.	1.3
				17521	40.00	42.00	2.00	13.	52.	9.	2200.	1.6
				17522	42.00	44.00	2.00	9.	169.	16.	1300.	0.5
44.00	46.00		50% light grey QFP. Feldspar phenos strongly clay altered.	17523	44.00	46.00	2.00	5.	171.	15.	2380.	1.2
46.00	48.00	QFP	Light grey QFP. Feldspar phenos strongly clay altered. 1% pyrite.	17524	46.00	48.00	2.00	4.	107.	40.	2100.	0.8
48.00	50.00	ARG	Dark black argillite. 10% QFP	17525	48.00	50.00	2.00	12.	215.	12.	8700.	2.2

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-78
Grid System : ORIGINAL
Collar Eastings : 21658.810
Collar Northings : 19870.920
Collar Elevations : 1009.080
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	3					3	2	3													
4.00	6.00	3					3	2	3													
6.00	8.00	3					3	2	3													
8.00	10.00	3					3	2	3													
10.00	12.00	3					3	1	3													
12.00	14.00	3					3	1	2													
14.00	16.00	3					3	1	2													
16.00	18.00	3					2.5	2	3													
18.00	20.00	3					2.5	2	3													
20.00	22.00	3					3	3	3													
22.00	24.00	3					3	3	4	TR												
24.00	26.00	3					3	3	4	TR												
26.00	28.00									1												
28.00	30.00									1												
30.00	32.00									1												
32.00	34.00									1												
34.00	36.00									1												
36.00	38.00									1												
38.00	40.00				1					1												
40.00	42.00				1					1												
42.00	44.00				1					1												
44.00	46.00				1					1												
46.00	48.00	3.5			2		3		2	1												
48.00	50.00				1					1												

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-79
Grid System : ORIGINAL
Collar Eastings : 21656.400
Collar Northings : 19845.080
Collar Elevations : 1002.050
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	36.00	INT	Limonitic qz rich intrusive.									
2.00	10.00		Strong argillic alteration. Bleached with mod. qz stwk. 1% minor Mn oxide staining.	17526	2.00	4.00	2.00	3450.	3956.	118.	3500.	1.9
				17527	4.00	6.00	2.00	1350.	2108.	264.	3800.	1.1
				17528	6.00	8.00	2.00	840.	1897.	263.	2900.	0.8
				17529	8.00	10.00	2.00	63.	997.	166.	2600.	0.1
10.00	12.00		Minor bleached biotite. Minor qz stwk. 1% MnO2 staining.	17530	10.00	12.00	2.00	48.	764.	154.	1900.	0.1
12.00	14.00		Hematite staining (rusty). Strong qz stwk. Trace very fine grained grey sx - py.	17531	12.00	14.00	2.00	2760.	5007.	128.	3100.	1.3
14.00	16.00		Bleached with strong qz stwk. 1% Mn oxide. Tr py.	17532	14.00	16.00	2.00	99.	1307.	55.	2400.	0.1
16.00	18.00		Strong hematite staining; 2% Mn oxide staining.	17533	16.00	18.00	2.00	1220.	4015.	88.	2200.	0.4
				17534	18.00	20.00	2.00	800.	2394.	109.	2500.	0.1
20.00	22.00		30% grey QFP with disseminated sx - pyrite and stibnite??	17535	20.00	22.00	2.00	680.	2464.	138.	2200.	0.1
22.00	24.00		1-2% white QFP with sx - py and stibnite. Green mineral - sericite??	17536	22.00	24.00	2.00	4560.	3574.	207.	2800.	1.6
24.00	26.00		Sx - stibnite.	17537	24.00	26.00	2.00	17900.	4482.	2408.	5600.	2.5
26.00	28.00		Minor bleached biotite.	17538	26.00	28.00	2.00	7330.	1908.	308.	5200.	1.5
				17539	28.00	30.00	2.00	650.	1207.	337.	2600.	0.1
30.00	32.00		Pyrite and stibnite.	17540	30.00	32.00	2.00	8990.	2463.	1374.	3800.	2.0
32.00	34.00		1% MnO2 staining. Hematite staining. Stibnite in white qz.	17541	32.00	34.00	2.00	4660.	2088.	3606.	4400.	0.8
				17542	34.00	36.00	2.00	103.	366.	195.	2200.	0.1
36.00	38.00	ARG	Black pyrite rich argillite with minor white qz stwk.	17543	36.00	38.00	2.00	52.	455.	147.	1600.	0.4
38.00	44.00	INT	Grey green porphyritic qz rich intrusive with sx - py.									
38.00	40.00		40% black argillite with pyrite mixed with incompetent grey mudstone.	17544	38.00	40.00	2.00	20.	251.	28.	1500.	0.2
40.00	42.00		10% argillite	17545	40.00	42.00	2.00	380.	854.	43.	3500.	1.0
42.00	44.00		40% sx rich argillite.	17546	42.00	44.00	2.00	1510.	1995.	32.	4800.	2.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-79

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
44.00	50.00	ARG	Black pyrite rich argillite.	17547	44.00	46.00	2.00	28.	205.	20.	3600.	2.0
				17548	46.00	48.00	2.00	28.	274.	17.	4600.	3.4
48.00	50.00		Green mineral present - sericite? 30% grey QFP.	17549	48.00	50.00	2.00	10.	162.	14.	2700.	1.0

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-79
Grid System : ORIGINAL
Collar Eastings : 21656.400
Collar Northings : 19845.080
Collar Elevations : 1002.050
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2.5					2	3-5	1.5													
4.00	6.00	2.5					2	3-5	1.5													
6.00	8.00	2.5					2	3-5	1.5													
8.00	10.00	2.5					2	3-5	1.5													
10.00	12.00	2.5					2	3-5	1.5													
12.00	14.00	2				.5	1.5	5-10	3	TR												
14.00	16.00	2					1.5	3-5	2.5	TR												
16.00	18.00	2					1.5	5-10	2													
18.00	20.00	2					1.5	3-5	2													
20.00	22.00	2.5					1.5	3-5	2	1-2												
22.00	24.00	2.5					1.5	3-5	2	TR-1												
24.00	26.00	1.5					2.5	3-5	2.5	1-2												
26.00	28.00	1.5					2	3-5	2.5													
28.00	30.00	1.5					2	3-5	1.5													
30.00	32.00	2					2	3-5	1.5	1-2												
32.00	34.00	2					2	5-10	1.5	TR-1												
34.00	36.00	2.5					2	3-5	1.5													
36.00	38.00	2.5					2	1-2	1.5	1-2												
38.00	40.00	1.5					2	1-2	1	TR-1												
40.00	42.00	1.5					2	1-2	1	TR-1												
42.00	44.00	1.5					2	1-2	1	2-3												
44.00	46.00									1-2												
46.00	48.00																					
48.00	50.00																					

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-80
Grid System : ORIGINAL
Collar Eastings : 21651.750
Collar Northings : 19826.000
Collar Elevations : 996.110
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	40.00	INT	Limonitic qz rich int. Moderately to strongly argillically altered (bleached)	17550	2.00	4.00	2.00	13.	385.	119.	1800.	0.5
4.00	12.00		Mod. to strong qz stockwork.	17551	4.00	6.00	2.00	1260.	841.	712.	8300.	1.0
				17552	6.00	8.00	2.00	193.	461.	413.	5400.	0.3
				17553	8.00	10.00	2.00	30.	382.	199.	7500.	0.1
				17554	10.00	12.00	2.00	1250.	1631.	1029.	7800.	1.0
12.00	14.00		Strong white qz stockwork.	17555	12.00	14.00	2.00	3520.	1860.	995.	12000.	1.1
14.00	20.00		Moderate qz stockwork with tr of remnant bleached biotite.	17556	14.00	16.00	2.00	1090.	952.	472.	5600.	0.3
				17557	16.00	18.00	2.00	460.	720.	299.	4200.	0.2
				17558	18.00	20.00	2.00	44.	191.	86.	2100.	0.1
20.00	22.00		Mod. to strong qz stwk with 1-2% black biotite.	17559	20.00	22.00	2.00	25.	244.	57.	2500.	0.1
22.00	24.00		Mod to strong qz stwk. Tr black biotite. Strong argillic alteration.	17560	22.00	24.00	2.00	400.	513.	73.	2700.	0.4
24.00	26.00		Strong qz stwk - no remnant biotite.	17561	24.00	26.00	2.00	59.	474.	109.	1600.	0.2
26.00	28.00		Strong qz stwk with hematite staining. 1-2% black biotite.	17562	26.00	28.00	2.00	2.	81.	31.	1200.	0.1
28.00	32.00		Mod. qz stwk. 30% light greenish grey biotite rich intrusive. Hematite staining.	17563	28.00	30.00	2.00	13.	199.	57.	950.	0.1
				17564	30.00	32.00	2.00	74.	461.	40.	860.	0.5
32.00	34.00		Mod. qz stwk; rusty hematite staining. 2% light grey QFP with tr black sulphide (stibnite??)	17565	32.00	34.00	2.00	8.	377.	51.	1300.	0.2
34.00	40.00		50% light grey QFP with trace black sulphide (stibnite?)	17566	34.00	36.00	2.00	1.	113.	23.	1200.	0.3
				17567	36.00	38.00	2.00	18.	104.	15.	2500.	0.4
				17568	38.00	40.00	2.00	1.	164.	16.	2600.	0.5
40.00	46.00	ARG	Dark black argillite. 1-2% pyrite.	17569	40.00	42.00	2.00	43.	514.	22.	2100.	0.7
				17570	42.00	44.00	2.00	1.	67.	12.	430.	0.3
				17571	44.00	46.00	2.00	1.	66.	14.	410.	0.3
46.00	50.00	QFP	Light grey QFP. Feldspars strongly clay altered. 2% disseminated pyrite.	17572	46.00	48.00	2.00	40.	581.	12.	1200.	0.4
				17573	48.00	50.00	2.00	25.	297.	10.	960.	0.5

BORANIA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-80
Grid System : ORIGINAL
Collar Eastings : 21651.750
Collar Northings : 19826.000
Collar Elevations : 996.110
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sr %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	3					3	3	2													
4.00	6.00	3					3	3	2													
6.00	8.00	3					3	3	2													
8.00	10.00	3					3	3	2													
10.00	12.00	3					3	3	2													
12.00	14.00	3					3.5	2	3													
14.00	16.00	3					3	2	2													
16.00	18.00	3					3	3	2													
18.00	20.00	3					3	3	2													
20.00	22.00	3					3	3	2													
22.00	24.00	3.5					3	2	2													
24.00	26.00	3					3.5	3	3													
26.00	28.00	3					3	3	2													
28.00	30.00	3					3	3	2													
30.00	32.00	3					3	3	2													
32.00	34.00	3					3	4	2													
34.00	36.00	3					3	1		1												
36.00	38.00	3					3	1		1												
38.00	40.00	3					3	1		1												
40.00	42.00									2												
42.00	44.00									2												
44.00	46.00									2												
46.00	48.00	3					3			2												
48.00	50.00	3					3			2												

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-81
Grid System : ORIGINAL
Collar Eastings : 21649.060
Collar Northings : 19803.990
Collar Elevations : 989.280
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	6.00	INT	Limonitic qz rich intrusive. "Bleached" with rusty (hematitic) stained qz stwk.	17574	2.00	4.00	2.00	2760.	3546.	1427.	4400.	1.0
				17575	4.00	6.00	2.00	1090.	1602.	395.	4600.	0.6
6.00	8.00	ARG	Dark grey to black argillite. 5% limonitic qz (qz stwk)	17576	6.00	8.00	2.00	650.	1421.	817.	5000.	1.0
8.00	38.00	INT	Limonitic qz rich intrusive.									
8.00	14.00		Bleached with strong qz stwk veining. Minor remnant bleached biotite.	17577	8.00	10.00	2.00	640.	1194.	309.	4500.	0.4
				17578	10.00	12.00	2.00	450.	965.	570.	5600.	0.3
				17579	12.00	14.00	2.00	460.	1323.	624.	9300.	0.7
14.00	18.00		Moderate qz stwk. Trace remnant bleached biotite. Tr pyrite.	17580	14.00	16.00	2.00	99.	777.	195.	4400.	0.1
				17581	16.00	18.00	2.00	200.	1098.	131.	1700.	0.3
18.00	20.00		80% rusty qz. Strong qz stwk veining. Redder colour. (hematite)	17582	18.00	20.00	2.00	1320.	2467.	277.	780.	0.8
20.00	22.00		1-2% remnant bleached biotite. 5% light grey QFP.	17583	20.00	22.00	2.00	1040.	3321.	123.	1050.	0.5
				17584	22.00	24.00	2.00	52.	389.	65.	2500.	0.2
				17585	24.00	26.00	2.00	24.	399.	42.	1900.	0.1
26.00	28.00		3-5% remnant bleached biotite. 5% light grey QFP	17586	26.00	28.00	2.00	31.	289.	45.	1700.	0.4
				17587	28.00	30.00	2.00	55.	1911.	61.	2800.	1.7
30.00	32.00		5% light grey QFP. Minor qz stwk.	17588	30.00	32.00	2.00	32.	484.	82.	2600.	1.1
32.00	34.00		More limonitic. Minor rusty qz.	17589	32.00	34.00	2.00	11.	246.	87.	1100.	0.6
34.00	38.00		40% light grey pyritic QFP. Minor rusty qz	17590	34.00	36.00	2.00	16.	201.	102.	320.	0.2
				17591	36.00	38.00	2.00	18.	95.	64.	230.	0.1
38.00	42.00	INT	Light greenish grey biotite rich intrusive									
38.00	40.00		30% limonitic intrusive.	17592	38.00	40.00	2.00	5.	96.	50.	80.	0.1
				17593	40.00	42.00	2.00	1.	56.	33.	60.	0.1
42.00	44.00	QFP	Light grey QFP. Minor remnant biotite. 1% pyrite. 10% argillite.	17594	42.00	44.00	2.00	5.	57.	25.	260.	0.1
44.00	50.00	ARG	Dark black argillite. 3-5% pyrite.	17595	44.00	46.00	2.00	1.	110.	35.	410.	0.1
				17596	46.00	48.00	2.00	8.	65.	20.	430.	0.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-81

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				17597	48.00	50.00	2.00	3.	87.	19.	280.	0.5

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-81
Grid System : ORIGINAL
Collar Eastings : 21649.060
Collar Northings : 19803.990
Collar Elevations : 989.280
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

FROM	TO	Arg	Sil	Serc	GEOCHEMICAL SAMPLES Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00	3.5					3.5	3	2	
4.00	6.00	3.5					3.5	3	2	
6.00	8.00							1		
8.00	10.00	3					3.5	3	3	
10.00	12.00	3					3.5	3	3	
12.00	14.00	3					3.5	3	3	
14.00	16.00	3					3	3	2	TR
16.00	18.00	3					3	3	2	
18.00	20.00	3			1		3	4	2	
20.00	22.00	3			1		3	3	2	
22.00	24.00	3			3		3	3		
24.00	26.00	3			3		3	3		
26.00	28.00	3			3		3	3		
28.00	30.00	3			3		3	3		
30.00	32.00	3			3		3	3	1	
32.00	34.00	3			1		3	3	1	
34.00	36.00	3			1		3	3	1	1
36.00	38.00	3			3		3	3		1
38.00	40.00	2			3			1		1
40.00	42.00				3					2
42.00	44.00				3					2
44.00	46.00				1					4
46.00	48.00				1					4
48.00	50.00				1					4

FROM	TO	GEOTECHNICAL SAMPLES Reco-very %	Lim %	Break-age	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-82
Grid System : ORIGINAL
Collar Eastings : 21650.160
Collar Northings : 19782.400
Collar Elevations : 982.060
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	38.00	INT	Limonitic qz rich intrusive.									
2.00	4.00		Minor qz stwk; rusty (hematite) staining.	17598	2.00	4.00	2.00	940.	1686.	242.	3300.	0.9
4.00	12.00		Bleached white intrusive with clear white qtz (strong qz stwk). Minor rusty qz.	17599	4.00	6.00	2.00	1590.	808.	361.	1500.	1.3
				17600	6.00	8.00	2.00	900.	955.	540.	4300.	0.7
				17601	8.00	10.00	2.00	360.	601.	349.	3900.	0.3
				17602	10.00	12.00	2.00	490.	1880.	614.	1500.	0.7
12.00	16.00		Minor remnant bleached biotite; minor black argillite chips.	17603	12.00	14.00	2.00	22.	208.	103.	3400.	0.8
				17604	14.00	16.00	2.00	9.	140.	126.	2300.	0.5
16.00	18.00		Minor white qz with pyrite.	17605	16.00	18.00	2.00	280.	676.	7902.	3800.	0.9
18.00	26.00		Minor white qz with pyrite & stibnite; massive stibnite chips	17606	18.00	20.00	2.00	67.	507.	4411.	5700.	0.1
				17607	20.00	22.00	2.00	94.	458.	898.	2600.	0.1
				17608	22.00	24.00	2.00	640.	1535.	3705.	4200.	0.8
				17609	24.00	26.00	2.00	410.	869.	437.	2200.	0.5
26.00	28.00		Strong qz stwk with pyrite and stibnite Bleached white intrusive present.	17610	26.00	28.00	2.00	250.	1255.	48.	1200.	0.2
28.00	38.00		Bleached white intrusive (/QFP?). White qz stwk with pyrite and stibnite.	17611	28.00	30.00	2.00	280.	1511.	126.	1600.	0.4
				17612	30.00	32.00	2.00	460.	1490.	59.	2100.	0.4
			36-38: Fresh black biotite present.	17613	32.00	34.00	2.00	92.	829.	77.	1400.	0.1
				17614	34.00	36.00	2.00	15.	395.	85.	1500.	0.2
				17615	36.00	38.00	2.00	16.	93.	36.	480.	0.1
38.00	46.00	ARG	Black pyritic argillite with white qz stwk	17616	38.00	40.00	2.00	4.	79.	17.	390.	0.1
40.00	46.00		Pyrite present in qz stwk.	17617	40.00	42.00	2.00	1.	44.	9.	400.	0.3
				17618	42.00	44.00	2.00	7.	48.	9.	380.	0.2
				17619	44.00	46.00	2.00	11.	54.	17.	480.	0.3
46.00	48.00	QFP	Pyritic white QFP with strongly altered feldspar phenocrysts and bleached biotite. 10% black pyritic argillite.	17620	46.00	48.00	2.00	1.	50.	15.	950.	0.1
48.00	50.00	ARG	Black pyritic argillite with white qz	17621	48.00	50.00	2.00	9.	44.	21.	230.	0.1

PROPERTY : BREWERY
HOLE No. : BCRC 90-82

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			stwk.									

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-82
Grid System : ORIGINAL
Collar Eastings : 21650.160
Collar Northings : 19782.400
Collar Elevations : 982.060
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

FROM	TO	Arg	Sil	Serc	GEOCHEMICAL SAMPLES Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00	3					3	1-2	1.5	
4.00	6.00	3					3	1-2	3	
6.00	8.00	3					3	1-2	3	
8.00	10.00	3					2	1-2	3	
10.00	12.00	3					2	1-2	3	
12.00	14.00	3			3		1.5	3-5	2	
14.00	16.00	3			3		1.5	3-5	2	
16.00	18.00	2			3		1.5	3-5	2	TR
18.00	20.00	2			.5		1.5	3-5	2	1-2
20.00	22.00	2					2	3-5	2.5	1-2
22.00	24.00	2					2	3-5	2.5	1-2
24.00	26.00	2.5			1		2	3-5	2	TR-1
26.00	28.00	2			1		2	3-5	3	2-3
28.00	30.00	2.5			.5		2	3-5	2	1-2
30.00	32.00	2.5			3		2	3-5	2	1-2
32.00	34.00	2.5			2		2	3-5	2	1-2
34.00	36.00	2.5			2		2	3-5	2	TR-1
36.00	38.00	2			2		1	3-5	2	TR-1
38.00	40.00				.5				2	
40.00	42.00				.5				1.5	TR
42.00	44.00								1.5	TR
44.00	46.00								1.5	TR
46.00	48.00	2.5					2		1	1-2
48.00	50.00								1	TR-1

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-83
Grid System : ORIGINAL
Collar Eastings : 21651.320
Collar Northings : 19759.150
Collar Elevations : 974.510
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	16.00	INT	Limonitic qz rich intrusive.									
2.00	4.00		Rusty hematitic qz stwk; fresh biotite.	17622	2.00	4.00	2.00	210.	1266.	140.	1400.	0.1
4.00	6.00		Fresh biotite.	17623	4.00	6.00	2.00	29.	266.	107.	640.	0.3
				17624	6.00	8.00	2.00	10.	257.	320.	1700.	0.6
8.00	10.00		1% MnO2 staining.	17625	8.00	10.00	2.00	87.	782.	287.	3300.	0.3
10.00	12.00		Minor blue/grey bleached intrusive with	17626	10.00	12.00	2.00	28.	488.	232.	4300.	0.1
			disseminated pyrite.	17627	12.00	14.00	2.00	59.	598.	202.	3400.	0.1
				17628	14.00	16.00	2.00	58.	676.	278.	3200.	0.1
16.00	24.00	P*INT	Bleached white/grey intrusive with	17629	16.00	18.00	2.00	18.	230.	149.	240.	0.1
			fresh black biotite.	17630	18.00	20.00	2.00	8.	342.	207.	230.	0.1
				17631	20.00	22.00	2.00	5.	120.	122.	450.	0.1
				17632	22.00	24.00	2.00	6.	56.	142.	470.	0.1
24.00	32.00	INT	Limonitic qz rich intrusive.									
24.00	26.00		Intense rusty stain on 10% of chips.	17633	24.00	26.00	2.00	250.	828.	859.	3800.	8.7
26.00	28.00		10% bleached white intrusive (/QFP?).	17634	26.00	28.00	2.00	810.	1861.	679.	4400.	1.7
28.00	32.00		20% QFP with trace disseminated pyrite.	17635	28.00	30.00	2.00	2030.	3555.	823.	5200.	1.7
				17636	30.00	32.00	2.00	1070.	3457.	1088.	6000.	1.6
32.00	40.00	QPP	Blue grey qz feldspar porphyry with									
			disseminated pyrite and stibnite									
32.00	34.00		20% limonitic intrusive; 5% black pyritic	17637	32.00	34.00	2.00	5490.	4457.	3350.	6300.	1.9
			argillite.									
34.00	36.00		10% limonitic intrusive. Kermicite (?)	17638	34.00	36.00	2.00	2680.	2962.	3141.	13000.	1.7
			present with stibnite.	17639	36.00	38.00	2.00	970.	1877.	680.	11000.	1.4
				17640	38.00	40.00	2.00	2540.	4061.	706.	11000.	1.3
40.00	50.00	ARG	Black pyritic arg. with white qz stwk.									
40.00	44.00		10% sx rich QPP	17641	40.00	42.00	2.00	920.	1307.	434.	4200.	0.8
				17642	42.00	44.00	2.00	91.	278.	110.	2100.	0.4
44.00	46.00		30% sx rich QPP - py & stibnite.	17643	44.00	46.00	2.00	790.	1270.	185.	2700.	0.5
				17644	46.00	48.00	2.00	840.	1237.	971.	5600.	0.8

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-83

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				17645	48.00	50.00	2.00	230.	428.	228.	1400.	0.5

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-83
Grid System : ORIGINAL
Collar Eastings : 21651.320
Collar Northings : 19759.150
Collar Elevations : 974.510
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00	2.5					1	3-5	1.5	
4.00	6.00	2.5					1	3-5	1.5	
6.00	8.00	2.5					2	3-5	2	
8.00	10.00	2.5					2	3-5	2	
10.00	12.00	2.5					2	3-5	2	TR
12.00	14.00	2.5				.5	1	3-5	1.5	
14.00	16.00	2.5				.5	1	1-2	1.5	
16.00	18.00	1.5				.5		1-2		
18.00	20.00	1.5					.5	1-2		
20.00	22.00	1.5					.5	1-2		
22.00	24.00	1-2.5				2.5	.5	1-2		
24.00	26.00	2					1.5	3-5		
26.00	28.00	2.5					2	3-5		
28.00	30.00	2.5					2	3-5	1	TR
30.00	32.00	3					2	3-5		TR
32.00	34.00	3					2.5	1-2		2-3
34.00	36.00	3				1	2.5	3-5		1-2
36.00	38.00	3					2.5	TR-1		1-2
38.00	40.00	3					2.5	TR		1-2
40.00	42.00							TR	2	TR-1
42.00	44.00							TR	2	TR-1
44.00	46.00							TR	2	1-2
46.00	48.00					.5		1-2	2	1-2
48.00	50.00							TR	1	TR-1

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-84
Grid System : ORIGINAL
Collar Eastings : 21652.620
Collar Northings : 19740.230
Collar Elevations : 967.760
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	10.00	INT	Limonitic qz rich intrusive.									
2.00	6.00		Minor qz stwk.	17646	2.00	4.00	2.00	25.	298.	399.	4500.	0.1
				17647	4.00	6.00	2.00	18.	265.	175.	1500.	0.2
6.00	10.00		Minor rusty qz. Strong qz stwk; 1% MnO2	17648	6.00	8.00	2.00	15.	321.	133.	830.	0.1
			staining; trace amounts of black argillite	17649	8.00	10.00	2.00	10.	179.	99.	520.	0.1
10.00	40.00	P*INT	White/grey to green qz rich intrusive	17650	10.00	12.00	2.00	10.	130.	107.	270.	0.1
			with fresh black biotite; strong-	17651	12.00	14.00	2.00	11.	163.	96.	180.	0.1
			moderately altered feldspar phenos.	17652	14.00	16.00	2.00	4.	153.	102.	50.	0.1
				17653	16.00	18.00	2.00	8.	75.	60.	60.	0.1
				17654	18.00	20.00	2.00	3.	19.	24.	40.	0.1
				17655	20.00	22.00	2.00	7.	25.	49.	50.	0.1
				17656	22.00	24.00	2.00	3.	12.	24.	40.	0.1
				17657	24.00	26.00	2.00	3.	10.	24.	40.	0.1
26.00	32.00		10-30% rusty intrusive.	17658	26.00	28.00	2.00	25.	44.	181.	140.	0.3
				17659	28.00	30.00	2.00	8.	36.	132.	280.	0.6
				17660	30.00	32.00	2.00	12.	40.	111.	80.	0.1
				17661	32.00	34.00	2.00	6.	22.	82.	50.	0.1
				17662	34.00	36.00	2.00	122.	203.	119.	250.	0.1
				17663	36.00	38.00	2.00	148.	262.	130.	430.	0.1
38.00	40.00		Lacks biotite; contains tr-1% disseminated	17664	38.00	40.00	2.00	7390.	4888.	166.	2800.	1.1
			pyrite.									
40.00	50.00	ARG	Black pyritic argillite with white qz-									
			carbonate stockwork.									
40.00	42.00		30% fresh qz rich intrusive with	17665	40.00	42.00	2.00	2210.	1780.	80.	2100.	0.9
			biotite and disseminated pyrite.									
			Chips of massive pyrite.									
42.00	44.00		20% fresh qz rich intrusive with	17666	42.00	44.00	2.00	630.	505.	62.	890.	0.5
			disseminated pyrite.	17667	44.00	46.00	2.00	182.	242.	29.	600.	0.3
				17668	46.00	48.00	2.00	99.	199.	24.	750.	0.2
				17669	48.00	50.00	2.00	63.	175.	23.	510.	0.4

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-84
Grid System : ORIGINAL
Collar Eastings : 21652.620
Collar Northings : 19740.230
Collar Elevations : 967.760
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES												GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %		FROM	TO	Reco-very %	Lim %	Break-age	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2.5					2	3-5	1														
4.00	6.00	2.5					2	3-5	1														
6.00	8.00	3					2	3-5	2														
8.00	10.00	3					2	3-5	2														
10.00	12.00	2.5					1	1-2	1														
12.00	14.00	2.5					1	1-2	1														
14.00	16.00	2					1	2-3															
16.00	18.00	2				.5	1	2-3															
18.00	20.00	2					1	2-3															
20.00	22.00	2				1	1	1-2															
22.00	24.00	1.5				2.5	1	1-2	1														
24.00	26.00	1.5				3	1	TR-1															
26.00	28.00	1.5				3	1	TR-1	1														
28.00	30.00	1.5				3	1	TR-1															
30.00	32.00	1.5				2.5	1	1-2															
32.00	34.00	1.5				3	1	TR-1															
34.00	36.00	1.5				2	1																
36.00	38.00	1.5				2.5	1																
38.00	40.00	1.5				.5	1	TR		TR-1													
40.00	42.00					1.5				1-2													
42.00	44.00					1.5				1-2													
44.00	46.00					1.5				1-2													
46.00	48.00					1.5				1-2													
48.00	50.00					1.5				1-2													

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREMERY
HOLE No. : BCRC 90-85
Grid System : ORIGINAL
Collar Eastings : 18824.090
Collar Northings : 20851.040
Collar Elevations : 957.430
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	18.00	INT	Limonitic qz rich int with qz eyes.	17670	2.00	4.00	2.00	310.	1000.	16.	320.	0.1
4.00	6.00		Pyrite present in bleached intrusive.	17671	4.00	6.00	2.00	101.	514.	16.	300.	0.1
				17672	6.00	8.00	2.00	47.	624.	15.	240.	0.1
				17673	8.00	10.00	2.00	220.	553.	10.	140.	0.1
10.00	12.00		2%, sulphide rich (stibnite or grey pyrite) blue grey qtz present.	17674	10.00	12.00	2.00	220.	645.	16.	130.	0.1
				17675	12.00	14.00	2.00	350.	990.	28.	960.	0.2
				17676	14.00	16.00	2.00	2310.	1221.	32.	750.	0.2
16.00	18.00		10-20% white qz with disseminated pyrite.	17677	16.00	18.00	2.00	520.	2104.	22.	820.	0.1
18.00	20.00	QFP	Green qtz feldspar porphyry with disseminated sulfide - pyrite. 10% rusty qz rich intrusive with dissem. pyrite.	17678	18.00	20.00	2.00	280.	924.	15.	560.	0.1
20.00	36.00	INT	Limonitic qtz rich intrusive with qz eyes.									
20.00	26.00		20% bleached white intrusive with dissem. ptrite.	17679	20.00	22.00	2.00	165.	901.	11.	820.	0.1
				17680	22.00	24.00	2.00	23.	87.	8.	540.	0.1
				17681	24.00	26.00	2.00	8.	36.	8.	460.	0.1
				17682	26.00	28.00	2.00	4.	34.	6.	450.	0.1
28.00	32.00		30% bleached white intrusive; 20% white qz veining.	17683	28.00	30.00	2.00	23.	108.	7.	640.	0.1
				17684	30.00	32.00	2.00	8.	39.	5.	840.	0.1
32.00	34.00		30% bleached white intrusive.	17685	32.00	34.00	2.00	8.	40.	4.	750.	0.1
34.00	36.00		40% bleached white intrusive.	17686	34.00	36.00	2.00	5.	36.	3.	800.	0.1
36.00	50.00	QFP	White qz feldspar porphyry with moderately altered feldspars and disseminated pyrite.									
36.00	38.00		10% rusty intrusive.	17687	36.00	38.00	2.00	5.	24.	3.	520.	0.1
38.00	42.00		5% rusty intrusive; some with red hematite stain.	17688	38.00	40.00	2.00	10.	37.	3.	460.	0.1
				17689	40.00	42.00	2.00	17.	69.	4.	620.	0.1
42.00	44.00		Grey sx - pyrite or stibnite?? 15% rusty intrusive.	17690	42.00	44.00	2.00	4.	11.	3.	660.	0.1
44.00	50.00		QFP takes on a greenish colour. Rusty int	17691	44.00	46.00	2.00	5.	11.	2.	370.	0.1

PROPERTY : BREWERY
HOLE No. : BCRC 90-85

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			varies from 5-10%. Sz content decreases.	17692	46.00	48.00	2.00	9.	29.	4.	300.	0.1
				17693	48.00	50.00	2.00	14.	51.	4.	290.	0.1

[illegible] EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-85
Grid System : ORIGINAL
Collar Eastings : 18824.090
Collar Northings : 20851.040
Collar Elevations : 957.430
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2					2	2-3	2													
4.00	6.00	2					2	2-3	2	TR-1												
6.00	8.00	2			.5		2	2-3	2													
8.00	10.00	2			2.5		2	2-3	1.5													
10.00	12.00	2			2.5		2	2-3	2	TR-1												
12.00	14.00	2			.5		2	2-3														
14.00	16.00	2					2	1-2	3													
16.00	18.00	2			.5		2	1-2	2	TR-1												
18.00	20.00	2.5			.5		1.5	1-2	2	TR-1												
20.00	22.00	2.5			.5		1.5	1-2	2	TR-1												
22.00	24.00	2.5					1.5	1-2	2	TR-1												
24.00	26.00	2.5					1.5	1-2	2	TR-1												
26.00	28.00	2.5					1.5	1-2	2	TR-1												
28.00	30.00	2.5			.5		1.5	1-2	3	TR-1												
30.00	32.00	2.5			1		1.5	1-2	3	TR-1												
32.00	34.00	2.5			1		1.5	1-2	3	TR-1												
34.00	36.00	2.5			1		1.5	1-2	3	TR-1												
36.00	38.00	2			1		1.5	TR-1	2	TR-1												
38.00	40.00	2			.5		1.5	TR-1	1.5	TR-1												
40.00	42.00	2			1.5		1.5	TR-1	1	TR-1												
42.00	44.00	2			1.5		1.5	TR-1	1	TR-1												
44.00	46.00	2			.5		1.5	TR-1	1	TR												
46.00	48.00	2			1.5		1.5	TR-1	1	TR												
48.00	50.00	2			2.5		1.5	TR-1	1	TR												

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PAGE : 1

PROPERTY : BREWERY
HOLE No. : BCRC 90-86
Grid System : ORIGINAL
Collar Eastings : 18927.960
Collar Northings : 20850.510
Collar Elevations : 959.430
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	20.00	INT	Limonitic qz rich intrusive (qz eyes).									
2.00	4.00		Minor hematitic staining.	17694	2.00	4.00	2.00	40.	194.	7.	1200.	0.1
4.00	6.00		2% light grey QFP.	17695	4.00	6.00	2.00	21.	239.	19.	1400.	0.1
6.00	8.00		5-10% clear qz (qz eyes). Minor clay altered QFP.	17696	6.00	8.00	2.00	24.	167.	13.	2100.	0.1
8.00	10.00		50% light grey to white pyritic QFP.	17697	8.00	10.00	2.00	52.	363.	14.	2200.	0.1
10.00	12.00		5% light grey pyritic QFP. Minor rusty (hematite) qz.	17698	10.00	12.00	2.00	1485.	4450.	32.	2800.	0.6
12.00	16.00		40% light grey QFP. 1-2% pyrite.	17699	12.00	14.00	2.00	2313.	4015.	46.	2300.	1.3
				17700	14.00	16.00	2.00	2799.	4108.	41.	1800.	0.8
16.00	20.00		Redder colour. More limonitic. 20% light grey QFP 1-2% pyrite.	17701	16.00	18.00	2.00	2421.	4367.	78.	1600.	0.6
				17702	18.00	20.00	2.00	2853.	4167.	126.	1800.	1.1
20.00	34.00	QFP	Light grey to white QFP. 2% pyrite - weakly limonitic. Feldspars moderately to strongly clay altered.									
20.00	22.00		5% rusty limonitic intrusive.	17703	20.00	22.00	2.00	1782.	5254.	53.	1600.	0.2
				17704	22.00	24.00	2.00	972.	3898.	42.	1400.	0.3
				17705	24.00	26.00	2.00	270.	1188.	38.	1500.	0.3
				17706	26.00	28.00	2.00	342.	2237.	27.	1200.	0.1
28.00	32.00		Less pyritic. Tr-1%	17707	28.00	30.00	2.00	125.	1145.	26.	1400.	0.1
				17708	30.00	32.00	2.00	24.	205.	32.	1900.	0.1
32.00	34.00		1-2% pyrite.	17709	32.00	34.00	2.00	149.	902.	33.	1600.	0.1
34.00	40.00	ARG	Graphitic black argillite.									
34.00	36.00		30% light grey to brown weakly limonitic QFP. 1-2% pyrite.	17710	34.00	36.00	2.00	612.	1303.	31.	2500.	0.6
				17711	36.00	38.00	2.00	279.	295.	48.	4300.	2.1
				17712	38.00	40.00	2.00	459.	233.	30.	3100.	1.3
40.00	50.00	QFP	Light grey QFP. Feldspars moderately clay altered. 1% diss. pyrite. Tr limonite	17713	40.00	42.00	2.00	801.	2771.	18.	2200.	0.4
42.00	44.00		2% pyrite.	17714	42.00	44.00	2.00	207.	782.	15.	2300.	0.1
				17715	44.00	46.00	2.00	801.	1572.	52.	2000.	0.1

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMERY
HOLE No. : BCRC 90-86

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				17716	46.00	48.00	2.00	252.	506.	17.	2100.	0.1
				17717	48.00	50.00	2.00	378.	1163.	21.	1400.	0.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCBC 90-86
Grid System : ORIGINAL
Collar Eastings : 18927.960
Collar Northings : 20850.510
Collar Elevations : 959.430
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2.5			3	3	2															
4.00	6.00	2.5			3	3	2															
6.00	8.00	2.5			3	3	2															
8.00	10.00	2.5			3	3	2															
10.00	12.00	2.5			3	3	3			1												
12.00	14.00	2.5			3	3	2	1		1												
14.00	16.00	2.5			3	3	2	1		1												
16.00	18.00	2.5			3	3	3			1												
18.00	20.00	2.5			3	3	3			1												
20.00	22.00	2.5			2.5	3	1			2												
22.00	24.00	2.5			2.5	3	1			2												
24.00	26.00	2.5			2.5	3	1			2												
26.00	28.00	2.5			2.5	3	1			1												
28.00	30.00	2.5			2.5	3	TR			1												
30.00	32.00	2.5			2.5	3	TR			1												
32.00	34.00	2.5			2.5	3	TR			2												
34.00	36.00				2					1												
36.00	38.00				2					1												
38.00	40.00				2					1												
40.00	42.00	2			2		TR			1												
42.00	44.00	2			2		TR			2												
44.00	46.00	2			2		TR			1												
46.00	48.00	2			2		TR			1												
48.00	50.00	2			2		TR			1												

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMERY
HOLE No. : BCRC 90-87
Grid System : ORIGINAL
Collar Eastings : 18996.690
Collar Northings : 20911.830
Collar Elevations : 969.010
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	20.00	INT	Limonitic qz rich intrusive.									
2.00	6.00		10% white bleached intrusive.	17718	2.00	4.00	2.00	1746.	4654.	33.	2900.	0.4
				17719	4.00	6.00	2.00	1566.	7903.	43.	2100.	0.4
6.00	10.00		Minor light grey pyritic QFP.	17720	6.00	8.00	2.00	2142.	5569.	35.	1800.	0.5
				17721	8.00	10.00	2.00	1773.	1789.	19.	2000.	0.3
10.00	12.00		50% bleached white intrusive. 5% argillite	17722	10.00	12.00	2.00	2133.	1905.	27.	2600.	0.6
12.00	16.00		10% bleached white intrusive. Tr-1% pyrite	17723	12.00	14.00	2.00	2385.	4147.	40.	2400.	0.5
				17724	14.00	16.00	2.00	1746.	3849.	30.	2000.	0.2
16.00	20.00		15% light grey pyritic QFP.	17725	16.00	18.00	2.00	711.	2747.	30.	1700.	0.1
				17726	18.00	20.00	2.00	1098.	4375.	44.	1400.	0.1
20.00	34.00	QFP	Light grey to white QFP. 5% limonitic intrusive 1-2% pyrite.	17727	20.00	22.00	2.00	765.	4474.	24.	1200.	0.1
				17728	22.00	24.00	2.00	999.	5603.	23.	1100.	0.1
24.00	26.00		50% limonitic intrusive - less pyritic.	17729	24.00	26.00	2.00	1314.	4434.	29.	1300.	0.2
				17730	26.00	28.00	2.00	1467.	4632.	21.	1200.	0.2
				17731	28.00	30.00	2.00	711.	2397.	16.	1300.	0.1
30.00	32.00		2% argillite. Tr limonite staining.	17732	30.00	32.00	2.00	1269.	3758.	15.	1500.	0.1
32.00	34.00		15% dark black argillite.	17733	32.00	34.00	2.00	459.	1703.	23.	4600.	0.6
34.00	42.00	ARG	Dark black argillite. 2-3% pyrite.	17734	34.00	36.00	2.00	52.	530.	20.	3100.	0.5
				17735	36.00	38.00	2.00	45.	238.	18.	3400.	1.0
				17736	38.00	40.00	2.00	94.	369.	25.	2800.	1.3
				17737	40.00	42.00	2.00	95.	187.	19.	1500.	0.9
42.00	50.00	VOL	Light grey to white tuff (ash to lapilli to black tuff) 1-2% diss. pyrite	17738	42.00	44.00	2.00	20.	90.	19.	1200.	1.0
				17739	44.00	46.00	2.00	7.	56.	16.	2500.	0.4
				17740	46.00	48.00	2.00	13.	120.	30.	6300.	0.9
				17741	48.00	50.00	2.00	24.	83.	18.	5200.	0.5

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-87
Grid System : ORIGINAL
Collar Eastings : 18996.690
Collar Northings : 20911.830
Collar Elevations : 969.010
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	3			1	2.5	3	1		TR												
4.00	6.00	3			1	2.5	3	1		TR												
6.00	8.00	3			1	2.5	1	1		TR												
8.00	10.00	3			1	2.5	1	1		TR												
10.00	12.00	3			1	2.5	3	1		TR												
12.00	14.00	2			1	2.5	3	1		TR												
14.00	16.00	2			1	2.5	2	1		TR												
16.00	18.00	2			2	2.5	2			1												
18.00	20.00	2			2	2.5	2			1												
20.00	22.00	2			2	2.5	1			2												
22.00	24.00	2			3	2.5				2												
24.00	26.00	2			3	2.5	2			2												
26.00	28.00	2			3	2.5	1			2												
28.00	30.00	2			3	2.5	1			2												
30.00	32.00	2			3	2.5				2												
32.00	34.00	2			3	2				2												
34.00	36.00				3					2												
36.00	38.00				3					2												
38.00	40.00				3					2												
40.00	42.00				3					2												
42.00	44.00	3.5			3	2.5				2												
44.00	46.00	3.5			3	2.5				2												
46.00	48.00	3.5			4	2.5				2												
48.00	50.00	3.5			4	2.5				2												

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-88
Grid System : ORIGINAL
Collar Eastings : 19033.940
Collar Northings : 20924.620
Collar Elevations : 967.780
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	12.00	INT	Limonitic qz rich intrusive with strongly altered clay feldspar phenos and bleached biotite. Moderate to strong qz stwk veining.	17742	2.00	4.00	2.00	549.	2558.	14.	2000.	0.1
4.00	6.00		Trace of grey sx - py or stibnite ? - in white qz.	17743	4.00	6.00	2.00	585.	2155.	12.	2100.	0.1
6.00	8.00		Disseminated pyrite present in cloudy white qz; grey sx - py or stibnite? - present in clear colouriess qz	17744	6.00	8.00	2.00	252.	1111.	12.	1600.	0.1
8.00	10.00		Rusty hematite staining of vein qtz.	17745	8.00	10.00	2.00	594.	2087.	16.	860.	0.1
				17746	10.00	12.00	2.00	423.	1851.	12.	2600.	0.1
12.00	24.00	QFP	Grey pyritic qz feldspar porphyry with moderately clay altered feldspar phenos.									
12.00	16.00		20% limonitic qz rich intrusive.	17747	12.00	14.00	2.00	621.	2536.	15.	2000.	0.1
				17748	14.00	16.00	2.00	972.	3468.	18.	1600.	0.2
16.00	20.00		5% limonitic qz rich intrusive.	17749	16.00	18.00	2.00	549.	3546.	19.	2300.	0.1
				17750	18.00	20.00	2.00	531.	3248.	15.	2100.	0.1
				17751	20.00	22.00	2.00	315.	1385.	20.	1400.	0.1
				17752	22.00	24.00	2.00	279.	1908.	17.	1600.	0.1
24.00	30.00	ARG	Black argillite with white qz stwk.									
24.00	26.00		20% rusty qz rich intrusive.	17753	24.00	26.00	2.00	441.	968.	19.	4000.	1.3
			Trace amounts of pyrite.	17754	26.00	28.00	2.00	198.	504.	34.	4500.	2.5
				17755	28.00	30.00	2.00	324.	1009.	74.	6300.	2.0
30.00	36.00	QFP	White qz rich intrusive (QFP?)									
30.00	34.00		5% black argillite. Disseminated pyrite in the intrusive.	17756	30.00	32.00	2.00	585.	2505.	30.	2400.	0.7
				17757	32.00	34.00	2.00	51.	269.	15.	1500.	0.2
34.00	36.00		30% black argillite with white qz stwk.	17758	34.00	36.00	2.00	41.	214.	13.	1600.	0.2
36.00	44.00	MUDST	Grey pyritic sediment (mudstone?) Incompetent. Minor qz stwk veining.									

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-88

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
36.00	38.00		10% black argillite with white qz stwk; 5% qtz rich intrusive.	17759	36.00	38.00	2.00	261.	1405.	27.	1600.	0.7
				17760	38.00	40.00	2.00	15.	130.	40.	1400.	1.0
				17761	40.00	42.00	2.00	7.	79.	30.	1600.	1.0
				17762	42.00	44.00	2.00	11.	58.	17.	1100.	0.4
44.00	50.00	VOL	Light grey to white tuff (ash to lapilli to black tuff) 1-2% diss pyrite	17763	44.00	46.00	2.00	11.	100.	16.	2000.	0.1
				17764	46.00	48.00	2.00	9.	86.	14.	3100.	0.1
				17765	48.00	50.00	2.00	8.	110.	11.	5000.	0.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-88
Grid System : ORIGINAL
Collar Eastings : 19033.940
Collar Northings : 20924.620
Collar Elevations : 967.780
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	3			3	1.5	3-5	2														
4.00	6.00	3			3	1.5	3-5	2		TR												
6.00	8.00	3			3	2	2	3		TR-1												
8.00	10.00	3			2	2	3	2														
10.00	12.00	2.5			2	2	2	3		1												
12.00	14.00	2			2	2	1-2	2		2												
14.00	16.00	2.5			1.5	3	1-2	3		2												
16.00	18.00	2.5			1.5	3	1-2	2		2-3												
18.00	20.00	2.5			2	3	TR-1	1		2-3												
20.00	22.00	2.5			1	3	TR-1	1		TR-1												
22.00	24.00	2.5			1	3	TR-1	1		1												
24.00	26.00						TR-1	2		TR												
26.00	28.00							2														
28.00	30.00							1														
30.00	32.00	2.5			2	2.5	1-2	1		TR												
32.00	34.00	2.5			2	2.5	1-2	1														
34.00	36.00	2.5			2	2.5	1-2	1														
36.00	38.00				1.5			1		1-2												
38.00	40.00				1			1		2-3												
40.00	42.00				1			1		1-2												
42.00	44.00				1			1		1-2												
44.00	46.00				2.5			1		1-2												
46.00	48.00				2.5			2		1-2												

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-88

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Break-age	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
48.00	50.00				2.5			2	1-2													

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-89
Grid System : ORIGINAL
Collar Eastings : 19076.520
Collar Northings : 20935.520
Collar Elevations : 964.020
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	30.00	INT	Limonitic qz rich intrusive with qz eyes and strong => moderately clay altered feldspar phenos.									
2.00	8.00		Rusty hematite stained qz veins.	17766	2.00	4.00	2.00	1190.	4191.	24.	1800.	0.1
				17767	4.00	6.00	2.00	600.	3012.	22.	2500.	0.1
				17768	6.00	8.00	2.00	240.	2095.	14.	3100.	0.1
8.00	10.00		2% MnO2 staining; trace of disseminated pyrite in qz stwk.	17769	8.00	10.00	2.00	880.	3284.	20.	2100.	0.1
10.00	12.00		Rusty hematite stained qz. Pyrite +- stibnite.	17770	10.00	12.00	2.00	1750.	6065.	27.	1800.	0.1
12.00	16.00		10% QFP (/bleached intrusive?) with disseminated pyrite.	17771	12.00	14.00	2.00	930.	3852.	23.	1600.	0.1
				17772	14.00	16.00	2.00	2930.	5842.	31.	2200.	0.4
16.00	18.00		10% black silicified argillite with white qz stwk.	17773	16.00	18.00	2.00	3560.	4723.	26.	2500.	0.7
18.00	22.00		10% bleached intrusive (/QFP?) with disseminated grey pyrite.	17774	18.00	20.00	2.00	2200.	4204.	19.	1600.	0.2
				17775	20.00	22.00	2.00	1520.	4025.	20.	1900.	0.1
				17776	22.00	24.00	2.00	830.	2123.	19.	1700.	0.1
24.00	30.00		Strong qz stwk.	17777	24.00	26.00	2.00	970.	3784.	22.	1900.	0.3
			28-30m: 5% black argillite.	17778	26.00	28.00	2.00	149.	1540.	32.	2000.	0.1
				17779	28.00	30.00	2.00	139.	809.	38.	3200.	0.2
30.00	34.00	ARG	Black graphitic argillite with white qz stwk veining.	17780	30.00	32.00	2.00	18.	167.	25.	10000.	1.1
				17781	32.00	34.00	2.00	30.	142.	29.	5200.	0.5
34.00	50.00	VOL	Grey pyritic sediment (mudstone?). Incompetent. Minor pyritic qz stwk.									
34.00	36.00		Chips of massive pyrite.	17782	34.00	36.00	2.00	230.	553.	31.	2600.	0.8
				17783	36.00	38.00	2.00	65.	398.	42.	2500.	0.5
				17784	38.00	40.00	2.00	24.	201.	40.	2900.	0.4
40.00	50.00		Chips of massive pyrite.	17785	40.00	42.00	2.00	23.	200.	19.	5400.	0.3
			42-44m: 10% of chips are very silicified.	17786	42.00	44.00	2.00	168.	430.	50.	3300.	1.3
				17787	44.00	46.00	2.00	91.	296.	46.	3000.	0.4
				17788	46.00	48.00	2.00	8.	49.	31.	1500.	0.1

PROPERTY : BREWERY
HOLE No. : BCRC 90-89

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				17789	48.00	50.00	2.00	6.	74.	33.	1800.	0.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-89
Grid System : ORIGINAL
Collar Eastings : 19076.520
Collar Northings : 20935.520
Collar Elevations : 964.020
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim	Break-	Sr	Veins	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	3					2	5-10	2													
4.00	6.00	2.5			3		1.5	3-5	1													
6.00	8.00	2.5			3		1	3-5	1													
8.00	10.00	2.5			3		1	3-5	1	TR												
10.00	12.00	2.5			2.5		1	5-10	2	TR-1												
12.00	14.00	2.5			2.5		1	3-5	1	TR-1												
14.00	16.00	2.5			2.5		1	3-5	1	TR-1												
16.00	18.00	2.5			2.5		1	3-5	1	TR-1												
18.00	20.00	2.5			2		2	3-5	1	TR-1												
20.00	22.00	2.5			2		2	3-5	1	TR-1												
22.00	24.00	2			2		2	5-10	2	TR												
24.00	26.00	2			1.5		2.5	1-2	2.5													
26.00	28.00	2			1.5		2.5	1-2	3													
28.00	30.00	2			1.5		2.5	1-2	2.5	TR												
30.00	32.00								2													
32.00	34.00								2													
34.00	36.00				1				1	1-2												
36.00	38.00				1				1	3-5												
38.00	40.00				2				1	3-5												
40.00	42.00				.5				1	3-5												
42.00	44.00				1				1	3-5												
44.00	46.00				1				1	3-5												
46.00	48.00				1				1	3-5												
48.00	50.00				1				1	3-5												

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PAGE : 1

PROPERTY : BREWERY
HOLE No. : BCRC 90-90
Grid System : ORIGINAL
Collar Eastings : 19115.160
Collar Northings : 20952.820
Collar Elevations : 958.470
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	28.00	INT	Limonitic qz rich intrusive.	17790	2.00	4.00	2.00	2240.	4197.	40.	3200.	0.3
4.00	6.00		5% bleached grey intrusive (QFP?) with disseminated pyrite.	17791	4.00	6.00	2.00	2130.	6152.	35.	2400.	0.3
6.00	8.00		40% blue to grey intrusive (QFP?) with disseminated pyrite.	17792	6.00	8.00	2.00	2560.	6368.	35.	2100.	0.3
				17793	8.00	10.00	2.00	1540.	3164.	26.	1800.	0.1
				17794	10.00	12.00	2.00	1380.	4715.	23.	2000.	0.1
12.00	14.00		5% blue to grey intrusive (QFP?) with disseminated pyrite.	17795	12.00	14.00	2.00	1700.	4569.	29.	1900.	0.2
14.00	16.00		Disseminated pyrite in limonitic intrusive	17796	14.00	16.00	2.00	980.	4331.	29.	2100.	0.1
16.00	18.00		5% bleached blue/grey intrusive (/QFP?) with disseminated pyrite.	17797	16.00	18.00	2.00	1340.	3624.	25.	2200.	0.1
18.00	20.00		5% black argillite.	17798	18.00	20.00	2.00	1300.	3833.	28.	2600.	0.3
20.00	22.00		5% bleached blue/grey intrusive (/QFP?) with disseminated pyrite.	17799	20.00	22.00	2.00	1320.	2464.	26.	1900.	0.2
				17800	22.00	24.00	2.00	1520.	2268.	32.	2000.	0.5
24.00	26.00		Disseminated pyrite in limonitic intrusive.	17801	24.00	26.00	2.00	990.	1989.	23.	1700.	0.1
26.00	28.00		5% black argillite.	17802	26.00	28.00	2.00	960.	1760.	29.	1500.	0.2
28.00	50.00	ARG	Black pyritic argillite with white qz stwk.									
28.00	30.00		20% black argillite; 30% qz, 50% grey, incompetent, banded mudstone.	17803	28.00	30.00	2.00	84.	311.	21.	820.	0.1
30.00	32.00		No pyrite.	17804	30.00	32.00	2.00	30.	226.	18.	940.	0.5
				17805	32.00	34.00	2.00	16.	137.	8.	560.	0.2
				17806	34.00	36.00	2.00	82.	211.	10.	800.	0.1
				17807	36.00	38.00	2.00	95.	259.	13.	1100.	0.2
				17808	38.00	40.00	2.00	61.	207.	12.	1200.	0.2
40.00	50.00		Slightly graphitic.	17809	40.00	42.00	2.00	132.	366.	27.	1100.	0.2
				17810	42.00	44.00	2.00	52.	159.	23.	900.	0.2
				17811	44.00	46.00	2.00	33.	90.	11.	960.	0.1
				17812	46.00	48.00	2.00	27.	61.	9.	850.	0.2
				17813	48.00	50.00	2.00	83.	175.	18.	1500.	0.2

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-90
Grid System : ORIGINAL
Collar Eastings : 19115.160
Collar Northings : 20952.820
Collar Elevations : 958.470
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

FROM	TO	Arg	Sil	Serc	GEOCHEMICAL SAMPLES Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00	2.5				3	3-5	2		
4.00	6.00	3				3	3-5	2		TR
6.00	8.00	3				3	3-5	2		1-2
8.00	10.00	3				3	3-5	2		
10.00	12.00	3				3	5-10	2		
12.00	14.00	3				3	5-10	2		1-2
14.00	16.00	3			1	3	3-5	1		1-2
16.00	18.00	3				3	3-5	1		1-2
18.00	20.00	3				3	5-10	2		
20.00	22.00	3			2.5	3	1-2	3		
22.00	24.00	3			2	3	3-5	2		TR
24.00	26.00	3			2	3	1-2	1		TR
26.00	28.00	3			2	3	1-2	3		
28.00	30.00				2			3		TR
30.00	32.00							2		
32.00	34.00							2		TR-1
34.00	36.00							2		1
36.00	38.00							2		1
38.00	40.00							3		1
40.00	42.00							2		1
42.00	44.00							2		1
44.00	46.00							2		1
46.00	48.00							2		1
48.00	50.00							2		1

FROM	TO	GEOTECHNICAL SAMPLES Reco-very %	Lim %	Break-age	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-91
Grid System : ORIGINAL
Collar Eastings : 19435.550
Collar Northings : 19974.540
Collar Elevations : 806.730
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	12.00	INT	Rusty limonitic qz rich intrusive with moderately altered feldspar phenos.	17814	2.00	4.00	2.00	144.	885.	68.	1400.	0.1
4.00	6.00		5% black argillite with white qz stwk.	17815	4.00	6.00	2.00	82.	977.	74.	1200.	0.3
6.00	8.00		Trace -2% black argillite.	17816	6.00	8.00	2.00	250.	1128.	65.	1100.	0.3
8.00	10.00		Trace amount of disseminated pyrite.	17817	8.00	10.00	2.00	158.	1142.	50.	950.	0.1
			Assoc. with limonitic intrusive.	17818	10.00	12.00	2.00	49.	758.	92.	1500.	0.1
12.00	40.00	ARG	Black argillite with a minor amount of white qz stwk veining.									
12.00	14.00		20% rusty qz rich intrusive.	17819	12.00	14.00	2.00	35.	302.	61.	2600.	0.3
14.00	16.00		5% rusty qz rich intrusive.	17820	14.00	16.00	2.00	16.	125.	45.	2100.	0.6
				17821	16.00	18.00	2.00	11.	61.	25.	2000.	0.5
				17822	18.00	20.00	2.00	9.	45.	34.	1900.	0.7
				17823	20.00	22.00	2.00	7.	30.	17.	2000.	0.6
				17824	22.00	24.00	2.00	5.	25.	29.	1100.	0.6
24.00	36.00		Orange limonite staining on fracture surfaces	17825	24.00	26.00	2.00	2.	41.	78.	360.	0.3
			28 - 30m: Incompetent.	17826	26.00	28.00	2.00	7.	55.	77.	440.	0.2
				17827	28.00	30.00	2.00	4.	42.	82.	400.	0.1
				17828	30.00	32.00	2.00	9.	47.	67.	830.	0.4
				17829	32.00	34.00	2.00	24.	100.	177.	1400.	0.4
				17830	34.00	36.00	2.00	15.	73.	57.	1200.	0.5
				17831	36.00	38.00	2.00	11.	56.	43.	2300.	0.8
				17432	38.00	40.00	2.00	9.	63.	50.	2000.	0.8

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-91
Grid System : ORIGINAL
Collar Eastings : 19435.550
Collar Northings : 19974.540
Collar Elevations : 806.730
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

FROM	TO	Arg	Sil	Serc	GEOCHEMICAL SAMPLES Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00	1.5			3	2.5	3			
4.00	6.00	1.5			3	2.5	3	1		
6.00	8.00	2			3	2.5	3	1		
8.00	10.00	2			3	2.5	3	1	TR	
10.00	12.00	2			3	1	3	1		
12.00	14.00									
14.00	16.00									
16.00	18.00									
18.00	20.00									
20.00	22.00									
22.00	24.00									
24.00	26.00									
26.00	28.00									
28.00	30.00									
30.00	32.00									
32.00	34.00									
34.00	36.00									
36.00	38.00									
38.00	40.00									

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-92
Grid System : ORIGINAL
Collar Eastings : 19433.400
Collar Northings : 19949.400
Collar Elevations : 800.680
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	10.00	INT	Limonitic qz rich intrusive with moderately altered feldspar phenocrysts.	17833	2.00	4.00	2.00	220.	1049.	105.	1100.	0.1
				17834	4.00	6.00	2.00	158.	897.	88.	780.	0.1
6.00	8.00		10% black argillite.	17835	6.00	8.00	2.00	62.	497.	68.	1300.	0.1
8.00	10.00		40% black argillite with white qz stwk.	17836	8.00	10.00	2.00	49.	345.	65.	1800.	0.2
10.00	40.00	ARG	Black argillite with areas of white qz stwk veining.									
10.00	12.00		White qz stwk.	17837	10.00	12.00	2.00	25.	119.	29.	2200.	0.8
				17838	12.00	14.00	2.00	6.	133.	61.	2000.	0.6
				17839	14.00	16.00	2.00	4.	71.	46.	1800.	0.6
				17840	16.00	18.00	2.00	3.	98.	104.	1900.	0.3
				17841	18.00	20.00	2.00	1.	78.	129.	2800.	0.6
				17842	20.00	22.00	2.00	3.	79.	175.	1800.	0.3
22.00	26.00		White qz stwk.	17843	22.00	24.00	2.00	1.	39.	73.	2000.	0.5
				17844	24.00	26.00	2.00	2.	15.	37.	1900.	0.6
				17845	26.00	28.00	2.00	3.	36.	60.	1300.	0.5
				17846	28.00	30.00	2.00	1.	27.	38.	1700.	1.2
				17847	30.00	32.00	2.00	1.	34.	33.	1300.	1.7
32.00	40.00		white qz stwk.	17848	32.00	34.00	2.00	2.	34.	40.	450.	0.7
				17849	34.00	36.00	2.00	3.	28.	32.	1600.	1.4
				17850	36.00	38.00	2.00	3.	22.	43.	1300.	1.7
				17851	38.00	40.00	2.00	6.	23.	39.	1500.	1.7

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-92
Grid System : ORIGINAL
Collar Eastings : 19433.400
Collar Northings : 19949.400
Collar Elevations : 800.680
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00																					
4.00	6.00																					
6.00	8.00																					
8.00	10.00																					
10.00	12.00																					
12.00	14.00																					
14.00	16.00																					
16.00	18.00																					
18.00	20.00																					
20.00	22.00																					
22.00	24.00																					
24.00	26.00																					
26.00	28.00																					
28.00	30.00																					
30.00	32.00																					
32.00	34.00																					
34.00	36.00																					
36.00	38.00																					
38.00	40.00																					

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-93
Grid System : ORIGINAL
Collar Eastings : 19434.710
Collar Northings : 19924.540
Collar Elevations : 795.370
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	10.00	INT	Limonitic qz rich intrusive with moderately altered feldspar phenocrysts.									
2.00	4.00		2% black argillite.	17852	2.00	4.00	2.00	650.	1499.	175.	N/A	0.6
				17853	4.00	6.00	2.00	410.	1105.	101.	N/A	0.2
				17854	6.00	8.00	2.00	143.	1190.	102.	N/A	0.1
8.00	10.00		5% black argillite.	17855	8.00	10.00	2.00	88.	527.	53.	N/A	0.1
10.00	40.00	ARG	Black argillite with white qz stwk.									
10.00	14.00		30% limonitic intrusive.	17856	10.00	12.00	2.00	31.	117.	33.	N/A	0.4
				17857	12.00	14.00	2.00	30.	153.	35.	N/A	0.4
14.00	16.00		40% limonitic intrusive.	17858	14.00	16.00	2.00	71.	313.	73.	N/A	0.6
16.00	18.00		20% incompetent brown/grey mudstone.	17859	16.00	18.00	2.00	19.	212.	100.	N/A	0.3
18.00	20.00		Rusty limonitic staining on qz stwk.	17860	18.00	20.00	2.00	16.	108.	75.	N/A	0.3
				17861	20.00	22.00	2.00	11.	35.	43.	N/A	0.9
				17862	22.00	24.00	2.00	10.	20.	30.	N/A	2.0
				17863	24.00	26.00	2.00	6.	10.	29.	N/A	1.4
26.00	28.00		Stockwork is very strong.	17864	26.00	28.00	2.00	9.	14.	49.	N/A	2.6
				17865	28.00	30.00	2.00	11.	38.	44.	N/A	2.0
				17866	30.00	32.00	2.00	7.	39.	35.	N/A	1.9
				17867	32.00	34.00	2.00	8.	28.	20.	N/A	1.8
				17868	34.00	36.00	2.00	9.	20.	18.	N/A	2.0
				17869	36.00	38.00	2.00	9.	19.	25.	N/A	2.0
				17870	38.00	40.00	2.00	8.	23.	25.	N/A	1.6

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-93
Grid System : ORIGINAL
Collar Eastings : 19434.710
Collar Northings : 19924.540
Collar Elevations : 795.370
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Si %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.00	4.00	2			.5	2.5	3-5																
4.00	6.00	2			3	2.5	1-2	3															
6.00	8.00	2			2.5	2.5	2-3	2															
8.00	10.00	2			3	2.5	2-3	1															
10.00	12.00							1.5															
12.00	14.00							2															
14.00	16.00							2															
16.00	18.00							3															
18.00	20.00							2															
20.00	22.00							1															
22.00	24.00							2															
24.00	26.00							2															
26.00	28.00							3															
28.00	30.00							1															
30.00	32.00							2															
32.00	34.00							2															
34.00	36.00							2															
36.00	38.00							1															
38.00	40.00							2															

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-94
Grid System : ORIGINAL
Collar Eastings : 19477.430
Collar Northings : 19923.950
Collar Elevations : 800.520
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	8.00	INT	Limonitic qz rich intrusive with strong clay alteration of feldspar phenocrysts.	17871	2.00	4.00	2.00	960.	2064.	653.	N/A	0.9
				17872	4.00	6.00	2.00	110.	735.	139.	N/A	0.2
6.00	8.00		40% black argillite.	17873	6.00	8.00	2.00	52.	817.	97.	N/A	0.1
8.00	18.00	ARG	Silicified black argillite with strong white qz stwk present.	17874	8.00	10.00	2.00	29.	138.	32.	N/A	0.1
				17875	10.00	12.00	2.00	52.	186.	48.	N/A	0.5
				17876	12.00	14.00	2.00	37.	177.	58.	N/A	0.5
				17877	14.00	16.00	2.00	14.	47.	25.	N/A	0.2
16.00	18.00		30% limonitic intrusive with strongly clay altered feldspar phenocrysts.	17878	16.00	18.00	2.00	13.	47.	36.	N/A	0.2
18.00	20.00	INT	Limonitic qz rich intrusive with strongly altered feldspar phenos. 30% black argillite with qz stwk present.	17879	18.00	20.00	2.00	10.	116.	58.	N/A	0.1
20.00	40.00	ARG	Black argillite with white qz stwk.									
20.00	22.00		5% limonitic porphyritic intrusive.	17880	20.00	22.00	2.00	15.	48.	38.	N/A	0.4
22.00	28.00		Unwashed sample is wet. 20% white strongly altered feldspar phenos.	17881	22.00	24.00	2.00	13.	72.	36.	N/A	1.2
				17882	24.00	26.00	2.00	7.	36.	10.	N/A	0.6
				17883	26.00	28.00	2.00	7.	33.	23.	N/A	1.1
28.00	32.00		Graphitic.	17884	28.00	30.00	2.00	8.	37.	23.	N/A	1.4
				17885	30.00	32.00	2.00	7.	28.	28.	N/A	1.5
				17886	32.00	34.00	2.00	6.	38.	33.	N/A	2.5
				17887	34.00	36.00	2.00	6.	23.	26.	N/A	1.3
				17888	36.00	38.00	2.00	2.	61.	33.	N/A	0.7
				17889	38.00	40.00	2.00	6.	46.	44.	N/A	1.2

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-94
Grid System : ORIGINAL
Collar Eastings : 19477.430
Collar Northings : 19923.950
Collar Elevations : 800.520
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	GEOTECHNICAL SAMPLES Reco-very %	Lim %	Break-age	Si %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.00	4.00	2.5					2.5	2-3	2														
4.00	6.00	2.5				2.5	1.5	2-3	1														
6.00	8.00	2.5				2	1.5	2-3	1														
8.00	10.00								3														
10.00	12.00								2														
12.00	14.00								1.5														
14.00	16.00								1.5														
16.00	18.00								2														
18.00	20.00	2.5				.5	2	2-3															
20.00	22.00																						
22.00	24.00								1														
24.00	26.00								1														
26.00	28.00								1														
28.00	30.00								2														
30.00	32.00								1														
32.00	34.00								1														
34.00	36.00								1														
36.00	38.00								1														
38.00	40.00								2														

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-95
Grid System : ORIGINAL
Collar Eastings : 19480.240
Collar Northings : 19899.010
Collar Elevations : 794.990
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	6.00	INT	Limonitic qtz rich intrusive with clay altered feldspar phenocrysts.									
2.00	4.00		15% black argillite, 15% grey incompetent mudstone.	17890	2.00	4.00	2.00	330.	1041.	191.	N/A	0.5
4.00	6.00		30% black argillite.	17891	4.00	6.00	2.00	131.	507.	164.	N/A	0.5
6.00	14.00	ARG	Black argillite with white qz stwk.	17892	6.00	8.00	2.00	58.	358.	93.	N/A	0.4
				17893	8.00	10.00	2.00	21.	136.	51.	N/A	0.3
10.00	14.00		30% grey/brown incompetent mudstone.	17894	10.00	12.00	2.00	21.	225.	85.	N/A	0.7
				17895	12.00	14.00	2.00	3.	92.	71.	N/A	0.7
14.00	16.00	MUDST	Grey/brown incompetent sediments. (Shale or mudstone??); 10% black argillite	17896	14.00	16.00	2.00	2.	40.	28.	N/A	0.3
16.00	40.00	ARG	Dark black argillite.									
16.00	20.00		Black argillite with intense =) moderate white qz-carbonate stwk	17897	16.00	18.00	2.00	2.	34.	10.	N/A	0.1
			16-18: 30% grey/brown incompetent mudstone	17898	18.00	20.00	2.00	2.	39.	22.	N/A	0.2
				17899	20.00	22.00	2.00	2.	41.	24.	N/A	1.4
				17900	22.00	24.00	2.00	6.	19.	17.	N/A	2.4
				17901	24.00	26.00	2.00	1.	12.	15.	N/A	1.6
				17902	26.00	28.00	2.00	2.	29.	21.	N/A	1.0
				17903	28.00	30.00	2.00	1.	39.	32.	N/A	1.8
				17904	30.00	32.00	2.00	1.	29.	18.	N/A	0.9
				17905	32.00	34.00	2.00	3.	22.	15.	N/A	1.1
				17906	34.00	36.00	2.00	1.	41.	24.	N/A	0.6
				17907	36.00	38.00	2.00	4.	67.	25.	N/A	0.8
				17908	38.00	40.00	2.00	4.	39.	25.	N/A	0.9

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-95
Grid System : ORIGINAL
Collar Eastings : 19480.240
Collar Northings : 19899.010
Collar Elevations : 794.990
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2					2.5	3-5	2													
4.00	6.00	2					2.5	3-5	2													
6.00	8.00																					
8.00	10.00								1													
10.00	12.00								1													
12.00	14.00																					
14.00	16.00																					
16.00	18.00					3			3													
18.00	20.00					3			3													
20.00	22.00					3			2													
22.00	24.00					2			1													
24.00	26.00					2.5																
26.00	28.00					2.5			1													
28.00	30.00								.5													
30.00	32.00					.5																
32.00	34.00																					
34.00	36.00																					
36.00	38.00																					
38.00	40.00																					

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-96
Grid System : ORIGINAL
Collar Eastings : 19479.320
Collar Northings : 19874.910
Collar Elevations : 788.880
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	6.00	INT	Limonitic qz rich intrusive.									
2.00	4.00		30% black argillite.	17909	2.00	4.00	2.00	210.	792.	605.	N/A	0.6
4.00	6.00		5% black argillite.	17910	4.00	6.00	2.00	360.	760.	2081.	N/A	0.3
6.00	12.00	ARG	Black competent argillite.									
6.00	8.00		10% limonitic intrusive.	17911	6.00	8.00	2.00	54.	373.	168.	N/A	0.5
8.00	10.00		5% limonitic intrusive.	17912	8.00	10.00	2.00	73.	333.	142.	N/A	0.8
				17913	10.00	12.00	2.00	18.	273.	70.	N/A	0.6
12.00	14.00	MUDST	Grey/brown incompetent mudstone.	17914	12.00	14.00	2.00	1.	143.	21.	N/A	0.3
14.00	40.00	ARG	Black competent argillite +- white qz stwk.	17915	14.00	16.00	2.00	3.	41.	19.	N/A	0.8
				17916	16.00	18.00	2.00	5.	40.	26.	N/A	1.1
				17917	18.00	20.00	2.00	2.	36.	16.	N/A	0.8
				17918	20.00	22.00	2.00	4.	51.	22.	N/A	1.1
				17919	22.00	24.00	2.00	2.	29.	20.	N/A	1.6
				17920	24.00	26.00	2.00	2.	36.	22.	N/A	1.2
				17921	26.00	28.00	2.00	3.	23.	16.	N/A	0.7
				17922	28.00	30.00	2.00	1.	30.	15.	N/A	0.8
				17923	30.00	32.00	2.00	2.	22.	20.	N/A	0.7
				17924	32.00	34.00	2.00	2.	21.	20.	N/A	0.6
				17925	34.00	36.00	2.00	4.	21.	16.	N/A	0.9
				17926	36.00	38.00	2.00	1.	44.	20.	N/A	1.0
				17927	38.00	40.00	2.00	1.	34.	38.	N/A	0.7

[illegible] EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-96
Grid System : ORIGINAL
Collar Eastings : 19479.320
Collar Northings : 19874.910
Collar Elevations : 788.880
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00	3					2.5	3-5	1	
4.00	6.00	3					2.5	5-10	3	
6.00	8.00									
8.00	10.00								2	
10.00	12.00								2	
12.00	14.00									
14.00	16.00									
16.00	18.00								1	
18.00	20.00									
20.00	22.00								1	
22.00	24.00								1	
24.00	26.00									
26.00	28.00									
28.00	30.00								1	
30.00	32.00									
32.00	34.00									
34.00	36.00									
36.00	38.00								1	
38.00	40.00								.5	

FROM	TO	GEOTECHNICAL SAMPLES Reco-very %	Lim %	Break-age	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzCirCode %

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-97
Grid System : ORIGINAL
Collar Eastings : 19410.860
Collar Northings : 19978.200
Collar Elevations : 803.560
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	8.00	INT	Limonitic porphyritic intrusive with moderately to strongly clay altered feldspar phenos and relic biotite.									
2.00	4.00		2% bleached intrusive, 2% black argillite.	17928	2.00	4.00	2.00	1100.	2502.	184.	N/A	0.2
				17929	4.00	6.00	2.00	230.	962.	127.	N/A	0.2
				17930	6.00	8.00	2.00	201.	875.	115.	N/A	0.4
8.00	40.00	ARG	Black argillite.									
8.00	10.00		20% limonitic intrusive.	17931	8.00	10.00	2.00	45.	266.	115.	N/A	0.3
				17932	10.00	12.00	2.00	11.	97.	64.	N/A	0.4
				17933	12.00	14.00	2.00	1.	190.	58.	N/A	0.5
14.00	16.00		White qz stwk in argillite.	17934	14.00	16.00	2.00	6.	93.	102.	N/A	0.7
				17935	16.00	18.00	2.00	10.	74.	163.	N/A	0.6
				17936	18.00	20.00	2.00	1.	50.	119.	N/A	0.4
20.00	22.00		5% rusty qz chips.	17937	20.00	22.00	2.00	8.	35.	67.	N/A	0.4
22.00	24.00		2% limonitic porphyritic intrusive.	17938	22.00	24.00	2.00	14.	115.	68.	N/A	0.5
				17939	24.00	26.00	2.00	3.	40.	46.	N/A	1.3
				17940	26.00	28.00	2.00	2.	28.	39.	N/A	2.3
				17941	28.00	30.00	2.00	1.	48.	47.	N/A	1.8
				17942	30.00	32.00	2.00	1.	30.	26.	N/A	2.0
				17943	32.00	34.00	2.00	3.	28.	32.	N/A	0.9
				17944	34.00	36.00	2.00	3.	90.	63.	N/A	0.8
36.00	38.00		5% rusty (limonitic) incompetent sediment (mudstone).	17945	36.00	38.00	2.00	3.	69.	43.	N/A	0.3
				17946	38.00	40.00	2.00	1.	46.	29.	N/A	0.7

[illegible] EXPLORATION CORP. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-97
Grid System : ORIGINAL
Collar Eastings : 19410.860
Collar Northings : 19978.200
Collar Elevations : 803.560
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES										GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock % Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Si %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.00	4.00	2.5					1.5	5-10	1													
4.00	6.00	2.5					1.5	3-5	1													
6.00	8.00	2.5					1.5	3-5	1													
8.00	10.00																					
10.00	12.00																					
12.00	14.00																					
14.00	16.00								1													
16.00	18.00								1													
18.00	20.00								2													
20.00	22.00								2													
22.00	24.00																					
24.00	26.00																					
26.00	28.00																					
28.00	30.00								1													
30.00	32.00																					
32.00	34.00								1													
34.00	36.00																					
36.00	38.00																					
38.00	40.00								2													

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 98-98
Grid System : ORIGINAL
Collar Eastings : 19543.710
Collar Northings : 20073.160
Collar Elevations : 842.910
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	14.00	INT	Limonitic qz rich intrusive with strongly clay altered feldspar phenocrysts and relic biotite.									
2.00	4.00		30% bleached blue grey intrusive. Tr-1% black argillite.	17947	2.00	4.00	2.00	4230.	7185.	4320.	4300.	1.5
4.00	8.00		20% bleached blue grey intrusive.	17948	4.00	6.00	2.00	290.	1699.	2816.	2600.	0.6
				17949	6.00	8.00	2.00	1190.	3583.	404.	4200.	0.5
8.00	10.00		5% bleached blue grey intrusive.	17950	8.00	10.00	2.00	260.	1497.	981.	1800.	0.1
				17951	10.00	12.00	2.00	200.	1185.	315.	2200.	0.1
				17952	12.00	14.00	2.00	250.	1868.	136.	2000.	0.1
14.00	18.00	ARG	Black competent argillite mixed with grey incompetent mudstone.									
14.00	16.00		30% limonitic qz rich intrusive.	17953	14.00	16.00	2.00	70.	694.	128.	1800.	0.3
				17954	16.00	18.00	2.00	123.	528.	124.	1700.	0.3
18.00	28.00	INT	Limonitic qz rich intrusive with clay altered feldspar phenocrysts.									
18.00	20.00		15% light grey competent mudstone mixed with black argillite.	17955	18.00	20.00	2.00	111.	1037.	126.	2100.	0.2
				17956	20.00	22.00	2.00	106.	879.	251.	1800.	0.3
				17957	22.00	24.00	2.00	131.	916.	752.	2600.	0.8
				17958	24.00	26.00	2.00	270.	1487.	1697.	2100.	1.1
26.00	28.00		Chips of massive stibnite present; 5% black argillite. Trace amounts of disseminated pyrite.	17959	26.00	28.00	2.00	880.	1796.	10455.	2900.	1.5
28.00	32.00	ARG	Black argillite with white qz stwk									
28.00	30.00		30% soft grey incompetent mudstone.	17960	28.00	30.00	2.00	99.	269.	621.	1700.	0.6
30.00	32.00		10% limonitic intrusive	17961	30.00	32.00	2.00	44.	181.	272.	8700.	2.6
32.00	40.00	QPP	Grey qz feldspar porphyry with moderately altered feldspar phenocrysts. Pyritic.									

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-98

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
32.00	36.00		40% black argillite with white qz stwk.	17962	32.00	34.00	2.00	17.	92.	131.	4300.	1.3
				17963	34.00	36.00	2.00	16.	100.	76.	3100.	1.0
36.00	40.00		5% black argillite.	17964	36.00	38.00	2.00	8.	41.	35.	750.	0.1
				17965	38.00	40.00	2.00	10.	35.	29.	520.	0.1

PROPERTY : BREWERY
HOLE No. : BCRC 90-98
Grid System : ORIGINAL
Collar Eastings : 19543.710
Collar Northings : 20073.160
Collar Elevations : 842.910
Collar Bearing : 999.99
Grid Baseline : 66.00

DIAMOND DRILL LOG

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sr %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	3					2.5	1-2	3													
4.00	6.00	3					2.5	2-3	2													
6.00	8.00	3					1	3	2													
8.00	10.00	2.5					1	3	1													
10.00	12.00	2.5					1	3	1													
12.00	14.00	2.5			2		1	3	1													
14.00	16.00																					
16.00	18.00								2													
18.00	20.00	2					2.5	2														
20.00	22.00	2			2.5		2.5	3	1													
22.00	24.00	2			2.5		1	3	3													
24.00	26.00	2					1	3	3													
26.00	28.00	2					2.5	3	3	1-2												
28.00	30.00								1													
30.00	32.00								2													
32.00	34.00	2			2.5		2	3	1	TR												
34.00	36.00	2			2.5		2	2	1	TR												
36.00	38.00	2					3	1	1	1-2												
38.00	40.00	2					3	1	1	1-2												

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-99
Grid System : ORIGINAL
Collar Eastings : 19544.070
Collar Northings : 20097.630
Collar Elevations : 846.020
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	36.00	INT	Limonitic qz rich intrusive with strongly altered feldspar phenocrysts.									
2.00	14.00		Very bleached; green/grey colour. 2-4: Chips of massive stibnite present.	17966	2.00	4.00	2.00	650.	156.	30768.	4500.	12.4
				17967	4.00	6.00	2.00	370.	1993.	10883.	3400.	2.3
				17968	6.00	8.00	2.00	280.	2364.	2041.	1900.	0.2
				17969	8.00	10.00	2.00	430.	2251.	1030.	2300.	0.5
				17970	10.00	12.00	2.00	310.	1741.	985.	1600.	0.2
				17971	12.00	14.00	2.00	640.	1933.	567.	2600.	0.7
				17972	14.00	16.00	2.00	370.	1614.	331.	2500.	0.2
				17973	16.00	18.00	2.00	610.	1682.	411.	3100.	0.1
				17974	18.00	20.00	2.00	1910.	4101.	810.	3800.	0.6
20.00	22.00		Extremely bleached; chips of massive stibnite present.	17975	20.00	22.00	2.00	880.	2003.	7960.	2600.	1.0
22.00	26.00		Bleached with strong qz stwk. Stibnite present.	17976	22.00	24.00	2.00	890.	1839.	9615.	2700.	2.0
				17977	24.00	26.00	2.00	1230.	2013.	3944.	2000.	1.2
26.00	28.00		5% black argillite with white qz stwk. Tr of stibnite.	17978	26.00	28.00	2.00	3250.	1429.	10925.	2400.	2.9
28.00	30.00		30% black argillite.	17979	28.00	30.00	2.00	63.	363.	543.	6000.	1.1
30.00	32.00		20% black argillite with white qz stwk. Trace of pyrite in intrusive (QFP).	17980	30.00	32.00	2.00	22.	67.	120.	1100.	0.1
32.00	34.00		30% black argillite; trace of py in int (QFP).	17981	32.00	34.00	2.00	8.	31.	51.	950.	0.1
				17982	34.00	36.00	2.00	14.	173.	94.	1600.	0.5
36.00	38.00	ARG	Black argillite with white qz stwk. 15% pyritic white QFP.	17983	36.00	38.00	2.00	7.	61.	64.	2300.	1.1
38.00	40.00	QFP	Pyritic white qz feldspar porphyry. 5% black argillite present.	17984	38.00	40.00	2.00	9.	115.	59.	880.	0.2

BONANZA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-99
Grid System : ORIGINAL
Collar Eastings : 19544.070
Collar Northings : 20097.630
Collar Elevations : 846.820
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sr %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	3				2	1	3		3												
4.00	6.00	3				3	2	3		1												
6.00	8.00	3				3	2	3														
8.00	10.00	3				3	2	2														
10.00	12.00	3				3	3	2														
12.00	14.00	2.5				3	3	2														
14.00	16.00	2.5				1.5	3	2														
16.00	18.00	2.5				1.5	3	1														
18.00	20.00	2.5				1	3	1														
20.00	22.00	2				2	2	3		2-3												
22.00	24.00	2				2	2	3		1-2												
24.00	26.00	2				2	2	3		1-2												
26.00	28.00	2				2	1	2		TR-1												
28.00	30.00	2			2	2	1															
30.00	32.00	2				2	1			TR												
32.00	34.00	2			3	2	1			TR												
34.00	36.00	2			2.5	2	1			TR												
36.00	38.00				3				2	TR												
38.00	40.00	2			2.5	1	TR			TR-1												

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PAGE : 1

PROPERTY : BREWERY
HOLE No. : BCRC 90-100
Grid System : ORIGINAL
Collar Eastings : 19482.926
Collar Northings : 20121.950
Collar Elevations : 844.346
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BQ

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	24.00	INT	Limonitic porphyritic qz rich intrusive with strongly clay altered feldspar phenocrysts.									
2.00	8.00		5% black argillite; intrusive is bleached to a grey colour.	17985	2.00	4.00	2.00	270.	934.	985.	2000.	0.1
				17986	4.00	6.00	2.00	240.	872.	878.	1600.	0.1
				17987	6.00	8.00	2.00	147.	1700.	886.	2500.	0.2
8.00	12.00		Intrusive is blue/grey in colour; bleached.	17988	8.00	10.00	2.00	124.	1584.	667.	2300.	0.3
				17989	10.00	12.00	2.00	370.	1781.	755.	2400.	0.6
				17990	12.00	14.00	2.00	230.	2270.	2078.	2200.	0.5
				17991	14.00	16.00	2.00	280.	2227.	2042.	2000.	0.6
				17992	16.00	18.00	2.00	230.	2334.	3177.	2100.	0.3
				17993	18.00	20.00	2.00	128.	1656.	1996.	1800.	0.4
				17994	20.00	22.00	2.00	360.	1928.	506.	1300.	0.1
22.00	24.00		30% black argillite with white qz stwk. 5% grey incompetent mudstone.	17995	22.00	24.00	2.00	1600.	1055.	7816.	3600.	1.6
24.00	38.00	ARG	Black argillite with white qz stwk.	17996	24.00	26.00	2.00	91.	329.	268.	5200.	1.4
26.00	38.00		Weakly conductive.	17997	26.00	28.00	2.00	66.	149.	210.	6500.	1.1
				17998	28.00	30.00	2.00	122.	49.	2006.	4800.	1.7
				17999	30.00	32.00	2.00	136.	64.	111.	7200.	1.6
				18000	32.00	34.00	2.00	91.	49.	70.	6800.	1.6
				15501	34.00	36.00	2.00	55.	48.	75.	12000.	4.6
				15502	36.00	38.00	2.00	7.	60.	37.	4400.	1.0
38.00	40.00	F*INT	Brown intrusive with felspar phenocrysts and relatively fresh biotite crystals.	15503	38.00	40.00	2.00	7.	137.	24.	3800.	0.1

DIAMOND DRILL LOG

PAGE : 1

PROPERTY : BREWERY
HOLE No. : BCRC 90-100
Grid System : ORIGINAL
Collar Eastings : 19482.920
Collar Northings : 20121.950
Collar Elevations : 844.340
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged By : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00	3					2.5	3-5	2	
4.00	6.00	3					2	3-5	1	
6.00	8.00	3					1	3-5	1	
8.00	10.00	3					1	4		
10.00	12.00	3					1	2		
12.00	14.00	3					1	2		
14.00	16.00	3					1	2		
16.00	18.00	2.5					2	3		
18.00	20.00	2.5					2	3	1	
20.00	22.00	2.5					2	3	1	
22.00	24.00	2.5					2	3	1	
24.00	26.00								2	
26.00	28.00								2	
28.00	30.00								2	
30.00	32.00								1	
32.00	34.00								2	
34.00	36.00								2	
36.00	38.00									
38.00	40.00	2				2	1	1-2		TR

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-101
Grid System : ORIGINAL
Collar Eastings : 19484.860
Collar Northings : 20145.310
Collar Elevations : 844.960
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	18.00	INT	Limonitic qz rich intrusive with clay altered feldspar phenos; contains bleached sections.									
2.00	4.00		White qz veining with disseminated pyrite. trace of black argillite.	15504	2.00	4.00	2.00	1790.	4263.	941.	2600.	0.5
4.00	6.00		5% black argillite with white qz veining.	15505	4.00	6.00	2.00	2030.	4908.	2259.	2700.	1.2
6.00	8.00		Trace of black argillite.	15506	6.00	8.00	2.00	2780.	4959.	2026.	3200.	2.0
				15507	8.00	10.00	2.00	2380.	4068.	1705.	3000.	1.3
10.00	12.00		Qz stwk very intense.	15508	10.00	12.00	2.00	1540.	3580.	1299.	2700.	0.8
				15509	12.00	14.00	2.00	1100.	3155.	4379.	3400.	1.5
				15510	14.00	16.00	2.00	2630.	4047.	2174.	2900.	1.3
16.00	18.00		Extremely bleached; qz stwk apparent in bleached chips.	15511	16.00	18.00	2.00	1150.	2431.	1692.	3500.	1.8
18.00	22.00	ARG	Black argillite with white qz stwk.	15512	18.00	20.00	2.00	330.	641.	4142.	7600.	2.4
			30% qz rich intrusive (bleached).	15513	20.00	22.00	2.00	200.	453.	8324.	4200.	3.3
22.00	26.00	INT	Limonitic qz rich intrusive with qz eyes and clay altered feldspar phenos.									
22.00	24.00		Bleached.	15514	22.00	24.00	2.00	180.	890.	648.	1300.	0.7
24.00	26.00		40% black argillite with white qz stwk.	15515	24.00	26.00	2.00	17.	119.	167.	2300.	0.7
26.00	28.00	ARG	Black argillite with white qz stwk.	15516	26.00	28.00	2.00	6.	102.	114.	1900.	3.6
28.00	34.00	INT	Limonitic qz rich intrusive.	15517	28.00	30.00	2.00	35.	162.	130.	1000.	0.1
30.00	32.00		20% white pyritic QFP.	15518	30.00	32.00	2.00	18.	81.	56.	380.	0.1
32.00	34.00		40% black argillite with white qz stwk. 5% pyritic QFP.	15519	32.00	34.00	2.00	19.	88.	69.	1400.	0.7
34.00	36.00	ARG	Black argillite with white qz stwk.	15520	34.00	36.00	2.00	6.	66.	34.	640.	2.1
36.00	38.00	CHERT	Grey brown chert mixed with black argillite.	15521	36.00	38.00	2.00	3.	38.	19.	420.	1.6

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-101

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
38.00	40.00	ARG	Black argillite with qz stwk mixed with 20% pyritic QFP.	15523	38.00	40.00	2.00	13.	59.	26.	2400.	1.8

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-101
Grid System : ORIGINAL
Collar Eastings : 19484.060
Collar Northings : 20145.310
Collar Elevations : 844.960
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.00	4.00	3				2	3	2		TR													
4.00	6.00	3				2	3	3															
6.00	8.00	3				3	3	3															
8.00	10.00	3				1.5	2	3															
10.00	12.00	3				2	2	3															
12.00	14.00	3				2	2	3															
14.00	16.00	3				2.5	2	2															
16.00	18.00	3				3	2	3															
18.00	20.00							3															
20.00	22.00							3															
22.00	24.00	3				3	3	1															
24.00	26.00	3				3	4																
26.00	28.00							3															
28.00	30.00	2				1.5	3-4	1															
30.00	32.00	2.5				1	3	1		TR													
32.00	34.00	2.5				1	3	1		TR													
34.00	36.00							2															
36.00	38.00																						
38.00	40.00							2		TR													

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-102
Grid System : ORIGINAL
Collar Eastings : 19487.960
Collar Northings : 20169.820
Collar Elevations : 844.810
Collar Bearing : 999.99
Grid Baseline : 156.00

Collar Inclination : -90.00
Grid Bearing : 66.00
Final Depth : 40.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	4.00	INT	Limonitic qz rich intrusive with strongly clay altered feldspar phenos. 5% black argillite.	15523	2.00	4.00	2.00	620.	908.	3211.	1800.	1.4
4.00	8.00	ARG	Black argillite with white qz stwk.	15524	4.00	6.00	2.00	121.	208.	492.	10000.	6.2
6.00	8.00		40% limonitic qz rich int.	15525	6.00	8.00	2.00	77.	299.	410.	5200.	1.1
8.00	12.00	INT	Limonitic qz rich intrusive with qz eyes and clay altered feldspar phenos.	15526	8.00	10.00	2.00	20.	94.	118.	670.	0.4
10.00	12.00		40% black argillite with qz stwk.	15527	10.00	12.00	2.00	8.	161.	182.	3100.	0.7
12.00	16.00	ARG	Black argillite with qz stwk.									
12.00	14.00		10% limonitic qz rich int.	15528	12.00	14.00	2.00	2.	98.	82.	4400.	2.8
14.00	16.00		5% limonitic qz rich int.	15529	14.00	16.00	2.00	6.	175.	169.	6100.	1.4
16.00	20.00	INT	Limonitic qz rich intrusive.									
16.00	18.00		30% black argillite with qz stwk.	15530	16.00	18.00	2.00	3.	145.	96.	1900.	0.8
18.00	20.00		Trace of black argillite.	15531	18.00	20.00	2.00	1.	66.	66.	740.	0.1
20.00	40.00	ARG	Black argillite with white qz stwk.	15532	20.00	22.00	2.00	1.	48.	36.	1500.	0.7
				15533	22.00	24.00	2.00	1.	54.	35.	2800.	2.1
				15534	24.00	26.00	2.00	6.	56.	35.	3100.	3.3
26.00	30.00		5% grey silicified sediment with	15535	26.00	28.00	2.00	4.	52.	37.	3800.	2.5
			qz stwk.	15536	28.00	30.00	2.00	10.	67.	45.	4700.	3.0
				15537	30.00	32.00	2.00	14.	68.	56.	4700.	3.5
				15538	32.00	34.00	2.00	8.	65.	83.	3900.	4.1
				15539	34.00	36.00	2.00	10.	52.	32.	3300.	3.3
36.00	38.00		Grey quartzite present.	15540	36.00	38.00	2.00	10.	76.	27.	2000.	0.5
38.00	40.00		5% oxidized intrusive.	15541	38.00	40.00	2.00	62.	237.	43.	3000.	1.7

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-102
Grid System : ORIGINAL
Collar Eastings : 19487.960
Collar Northings : 20169.820
Collar Elevations : 844.810
Collar Bearing : 999.99
Grid Baseline : 156.00

Collar Inclination : -90.00
Grid Bearing : 66.00
Final Depth : 40.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sz	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.00	4.00	3					3	3	1														
4.00	6.00								1														
6.00	8.00								2														
8.00	10.00	3					3	2	1														
10.00	12.00	3					3	1	2														
12.00	14.00								2														
14.00	16.00								2														
16.00	18.00	3					2.5	3	2														
18.00	20.00	2					1	3	1														
20.00	22.00								2														
22.00	24.00								2														
24.00	26.00								2														
26.00	28.00								TR														
28.00	30.00								TR														
30.00	32.00								1														
32.00	34.00								1														
34.00	36.00								2														
36.00	38.00																						
38.00	40.00																						

BORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Brewery Creek
HOLE No. : BCRC 90-103
Grid System : ORIGINAL
Collar Eastings : 19673.020
Collar Northings : 20088.640
Collar Elevations : 848.520
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing									
2.00	12.00	ARG	Black argillite with white quartz stock-work.									
2.00	6.00		10% Limonitic intrusive chips.	15542	2.00	4.00	2.00	730.	1348.	6344.	4400.	2.7
				15543	4.00	6.00	2.00	66.	257.	168.	6000.	3.1
				15544	6.00	8.00	2.00	37.	109.	111.	7400.	3.0
				15545	8.00	10.00	2.00	23.	65.	48.	2200.	2.1
10.00	12.00		20% Grey chert.	15546	10.00	12.00	2.00	19.	51.	36.	2500.	2.0
12.00	24.00	INT	Pyritic quartz feldspar porphyry with strongly clay altered feldspar phenocrysts and quartz eyes.									
12.00	14.00		30% Black argillite with white quartz stockwork.	15547	12.00	14.00	2.00	14.	52.	28.	2700.	1.6
				15548	14.00	16.00	2.00	8.	15.	17.	840.	0.2
				15549	16.00	18.00	2.00	10.	20.	17.	1500.	0.2
				15550	18.00	20.00	2.00	13.	24.	19.	920.	0.3
				15551	20.00	22.00	2.00	12.	22.	20.	1900.	0.2
22.00	24.00		5% Black argillite chips.	15552	22.00	24.00	2.00	9.	31.	18.	1600.	0.2
24.00	30.00	ARG	Black argillite with quartz stockwork.	15553	24.00	26.00	2.00	11.	34.	26.	2200.	2.0
				15554	26.00	28.00	2.00	8.	58.	28.	1600.	1.5
28.00	30.00		20% Grey mudstone with quartz stock-work. Minor pyrite.	15555	28.00	30.00	2.00	6.	24.	12.	360.	0.6
30.00	36.00	MUDST	Pyritic grey mudstone with quartz stock-work.									
30.00	32.00		5% Black argillite.	15556	30.00	32.00	2.00	5.	12.	11.	280.	0.3
				15557	32.00	34.00	2.00	11.	18.	12.	320.	0.3
				15558	34.00	36.00	2.00	10.	15.	12.	180.	0.1
36.00	40.00	ARG	Black argillite (pyritic).	15559	36.00	38.00	2.00	8.	24.	18.	300.	0.4
				15560	38.00	40.00	2.00	8.	23.	21.	460.	0.5
40.00	48.00	MUDST	Light grey pyritic mudstone.	15561	40.00	42.00	2.00	9.	23.	10.	730.	0.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Brewery Creek
HOLE No. : BCRC 90-103

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				15562	42.00	44.00	2.00	7.	19.	9.	520.	0.4
				15563	44.00	46.00	2.00	5.	8.	8.	360.	0.3
				15564	46.00	48.00	2.00	11.	33.	27.	1100.	0.5
48.00	50.00	ARG	Black pyritic argillite.	15565	48.00	50.00	2.00	9.	55.	28.	4600.	3.6

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Brewery Creek
HOLE No. : BCRC 90-103
Grid System : ORIGINAL
Collar Eastings : 19673.020
Collar Northings : 20088.640
Collar Elevations : 848.520
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00																					
4.00	6.00																					
6.00	8.00																					
8.00	10.00																					
10.00	12.00																					
12.00	14.00	2.5			2.5	3	1	2	tr													
14.00	16.00	3			2	3	1	2	tr													
16.00	18.00	3			2	1	1	1	tr-1													
18.00	20.00	3			2	1	1	1	tr-1													
20.00	22.00	3			2	1	1	1	tr-1													
22.00	24.00	3			3	1	1	1	tr-1													
24.00	26.00				1			2														
26.00	28.00				1			2														
28.00	30.00				1			3	tr													
30.00	32.00				2			2	tr-1													
32.00	34.00				2			1	tr													
34.00	36.00				2			1	tr													
36.00	38.00				2			1	tr													
38.00	40.00				2			2	tr													
40.00	42.00							3														
42.00	44.00																					
44.00	46.00																					
46.00	48.00																					
48.00	50.00																					

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Brewery Creek
HOLE No. : BCRC 90-104
Grid System : ORIGINAL
Collar Eastings : 19660.660
Collar Northings : 19834.630
Collar Elevations : 787.660
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 0.00
Final Depth : 50.00
Claim No. :

Logged by : LENA M. BROMMELAND
Date : -
Downhole Survey :
Drilled By : Midnight Sun
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	casing	Casing.									
2.00	6.00	int	Limonitic quartz rich intrusive with clay altered feldspar phenocrysts and bleached biotite.	15566	2.00	4.00	2.00	540.	1994.	2035.	1600.	0.3
4.00	6.00		30% Black argillite.	15567	4.00	6.00	2.00	780.	2194.	1793.	2300.	1.0
6.00	14.00	arg	Black argillite with white quartz stock-work.									
6.00	8.00		5% Limonitic quartz rich intrusive.	15568	6.00	8.00	2.00	126.	397.	351.	2800.	0.6
				15569	8.00	10.00	2.00	29.	130.	148.	1300.	0.5
				15570	10.00	12.00	2.00	99.	290.	367.	2100.	0.4
12.00	14.00		5% Limonitic quartz rich intrusive.	15571	12.00	14.00	2.00	77.	667.	807.	3300.	0.7
14.00	22.00	INT	Limonitic quartz rich intrusive with clay altered feldspar phenocrysts.									
14.00	16.00		10% Black argillite	15572	14.00	16.00	2.00	970.	1440.	3721.	3100.	0.8
16.00	20.00		Quartz chips with disseminated stibnite present.	15573	16.00	18.00	2.00	2780.	2538.	20749.	6200.	4.6
				15574	18.00	20.00	2.00	2850.	2232.	24166.	4100.	3.7
20.00	22.00		Massive stibnite chips present (kermicite? alteration); 5% pyritic quartz feldspar porphyry; 5% black argillite.	15575	20.00	22.00	2.00	2080.	2037.	13953.	2900.	4.4
22.00	26.00	ARG	Black pyritic argillite.									
22.00	24.00		5% Pyritic quartz feldspar porphyry.	15576	22.00	24.00	2.00	810.	446.	1926.	4500.	6.2
24.00	26.00		25% Pyritic quartz feldspar porphyry; 5% quartz veining with disseminated stibnite.	15577	24.00	26.00	2.00	1980.	1169.	3973.	3300.	2.5
26.00	28.00	QPP	Pyritic quartz feldspar porphyry; limonitic. 5% Black argillite with white quartz stockwork.	15578	26.00	28.00	2.00	4090.	1697.	10901.	2700.	2.9
28.00	46.00	ARG	Black-grey argillite with white quartz stockwork.									
28.00	30.00		15% Limonitic quartz feldspar porphyry.	15579	28.00	30.00	2.00	1200.	524.	10210.	3900.	4.1

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Brewery Creek
HOLE No. : BCRC 90-104

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
30.00	32.00		5% Rusty (hematitic) stained quartz.	15580	30.00	32.00	2.00	480.	287.	7024.	4400.	3.3
32.00	34.00		Quartz stockwork in argillite extreme; trace of rusty quartz feldspar porphyry with disseminated pyrite.	15581	32.00	34.00	2.00	111.	166.	2002.	4900.	2.7
34.00	36.00		10% Bleached pyritic quartz feldspar porphyry.	15582	34.00	36.00	2.00	83.	141.	1629.	4600.	1.2
				15583	36.00	38.00	2.00	24.	69.	324.	3800.	2.7
38.00	40.00		30% Pyritic quartz feldspar porphyry.	15584	38.00	40.00	2.00	27.	82.	804.	3200.	1.5
40.00	42.00		5% Pyritic quartz feldspar porphyry. The argillite is also pyritic.	15585	40.00	42.00	2.00	42.	102.	676.	2600.	1.7
42.00	44.00		10% Pyritic quartz feldspar porphyry.	15586	42.00	44.00	2.00	61.	161.	1059.	2500.	1.7
44.00	46.00		30% Pyritic quartz feldspar prophyry.	15587	44.00	46.00	2.00	34.	118.	264.	1500.	1.1
46.00	50.00	QPP	White/gray pyritic quartz feldspar porphyry.									
46.00	48.00		20% Black pyritic argillite.	15588	46.00	48.00	2.00	57.	105.	636.	1600.	0.7
48.00	50.00		Green sericite present in quartz feldspar porphyry. 5% Black argillite.	15589	48.00	50.00	2.00	40.	150.	259.	1500.	0.4

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Brewery Creek
HOLE No. : BCRC 90-104
Grid System : ORIGINAL
Collar Eastings : 19660.660
Collar Northings : 19834.630
Collar Elevations : 787.660
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 0.00
Final Depth : 50.00
Claim No. :

Logged by : LENA K. BROMMELAND
Date : -
Downhole Survey :
Drilled By : Midnight Sun
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2.5					1	3														
4.00	6.00	2.5					1	3														
6.00	8.00																					
8.00	10.00																					
10.00	12.00																					
12.00	14.00																					
14.00	16.00	2.5					2.5	2														
16.00	18.00	3					2.5	2	2	tr												
18.00	20.00	3					2.5	3	2.5	tr-1												
20.00	22.00	3					2.5	3	3	1-2												
22.00	24.00									tr												
24.00	26.00									tr-1												
26.00	28.00	2.5					3	2		tr-1												
28.00	30.00									tr												
30.00	32.00									tr												
32.00	34.00									tr												
34.00	36.00									tr												
36.00	38.00									tr												
38.00	40.00									tr-1												

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Brewery Creek
HOLE No. : BCRC 90-104

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
40.00	42.00								1-2													
42.00	44.00								tr-1													
44.00	46.00								tr-1													
46.00	48.00	3					3		1-2													
48.00	50.00	2.5					2.5		1-2													

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-105
Grid System : ORIGINAL
Collar Eastings : 19656.830
Collar Northings : 19813.710
Collar Elevations : 779.990
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 34.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	6.00	INT	Limonitic qz rich intrusive with clay altered feldspar phenos.									
2.00	4.00		5% black argillite	15590	2.00	4.00	2.00	300.	1230.	1227.	1700.	0.3
4.00	6.00		30% black argillite; some qz chips stained rusty hematite red. (Unwashed sample very wet).	15591	4.00	6.00	2.00	950.	1623.	927.	2800.	0.4
6.00	22.00	ARG	Black argillite with white qz stwk.									
6.00	8.00		10% limonitic qz rich intrusive chips.	15592	6.00	8.00	2.00	62.	330.	203.	2600.	0.3
8.00	10.00		Trace limonitoc qz rich intrusive.	15593	8.00	10.00	2.00	74.	372.	228.	4500.	1.4
				15594	10.00	12.00	2.00	29.	316.	282.	3300.	0.5
				15595	12.00	14.00	2.00	156.	585.	322.	3400.	0.6
14.00	16.00		30% limonitic, pyritic QFP.	15596	14.00	16.00	2.00	730.	1647.	487.	4500.	0.9
				15567	16.00	18.00	2.00	61.	232.	198.	5600.	1.0
				15598	18.00	20.00	2.00	51.	182.	142.	7200.	1.3
20.00	22.00		Argillite becomes limonitic on fracture surfaces, trace of rusty qz.	15599	20.00	22.00	2.00	73.	269.	197.	5400.	1.2
22.00	34.00	QFP	White, pyritic QFP with varying amounts of limonitic staining.									
22.00	24.00		10% black argillite	15600	22.00	24.00	2.00	590.	2077.	179.	2800.	0.5
24.00	34.00		5% black argillite.	15601	24.00	26.00	2.00	1250.	3094.	139.	1700.	0.6
				15602	26.00	28.00	2.00	3360.	5256.	3032.	2700.	1.1
				15603	28.00	30.00	2.00	3780.	4256.	633.	3600.	1.2
				15604	30.00	32.00	2.00	1340.	2235.	239.	1800.	0.5
				15605	32.00	34.00	2.00	1650.	3125.	406.	1700.	0.8

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREMERY
HOLE No. : BCRC 90-105
Grid System : ORIGINAL
Collar Eastings : 19656.830
Collar Northings : 19813.710
Collar Elevations : 779.990
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 34.00
Claim No. :

PAGE : 1

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2				3	2	2														
4.00	6.00	3				3	2	2														
6.00	8.00																					
8.00	10.00																					
10.00	12.00																					
12.00	14.00																					
14.00	16.00									TR-1												
16.00	18.00																					
18.00	20.00																					
20.00	22.00																					
22.00	24.00	3			2	2.5	3			1-2												
24.00	26.00	3			2	2.5	2			1-2												
26.00	28.00	3			2	2.5	2		TR	1-2												
28.00	30.00	3			2.5	2.5	2	2		1-2												
30.00	32.00	3			2	2.5	2	2		1-2												
32.00	34.00	2.5			2.5	2.5	1	1		1-2												

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-106
Grid System : ORIGINAL
Collar Eastings : 19999.580
Collar Northings : 20135.950
Collar Elevations : 936.790
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	30.00	ARG	Black argillite with white qz stwk.									
2.00	4.00		30% qz rich limonitic intrusive with	15606	2.00	4.00	2.00	47.	229.	46.	4000.	3.0
			clay altered feldspar phenos.	15607	4.00	6.00	2.00	26.	101.	43.	8200.	4.0
6.00	8.00		Rusty qz chips.	15608	6.00	8.00	2.00	40.	104.	131.	5100.	4.2
				15609	8.00	10.00	2.00	23.	119.	59.	5000.	3.5
				15610	10.00	12.00	2.00	13.	96.	33.	4800.	3.3
				15611	12.00	14.00	2.00	9.	66.	20.	6400.	2.7
				15612	14.00	16.00	2.00	8.	63.	18.	5400.	3.2
				15613	16.00	18.00	2.00	4.	52.	15.	5800.	4.2
				15614	18.00	20.00	2.00	3.	50.	17.	5200.	4.0
				15615	20.00	22.00	2.00	3.	44.	19.	4500.	2.6
				15616	22.00	24.00	2.00	5.	51.	24.	5600.	2.7
24.00	26.00		5% brown incompetent mudstone, with fine quartz stockwork.	15617	24.00	26.00	2.00	7.	57.	24.	5000.	1.8
26.00	28.00		Trace amount of rusty qz chips.	15618	26.00	28.00	2.00	7.	32.	21.	4600.	1.5
28.00	30.00		5% brown incompetent mudstone.	15619	28.00	30.00	2.00	10.	61.	50.	7600.	1.2

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-106
Grid System : ORIGINAL
Collar Eastings : 19999.580
Collar Northings : 20135.950
Collar Elevations : 936.790
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00																					
4.00	6.00																					
6.00	8.00																					
8.00	10.00																					
10.00	12.00																					
12.00	14.00																					
14.00	16.00																					
16.00	18.00																					
18.00	20.00																					
20.00	22.00																					
22.00	24.00																					
24.00	26.00																					
26.00	28.00																					
28.00	30.00																					

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-107
Grid System : ORIGINAL
Collar Eastings : 19996.220
Collar Northings : 20023.410
Collar Elevations : 909.280
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 44.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	26.00	INT	Limonitic qz rich intrusive with clay altered feldspar phenocrysts.	15620	2.00	4.00	2.00	4010.	1951.	1122.	2400.	0.7
				15621	4.00	6.00	2.00	2490.	1515.	213.	2900.	0.5
6.00	8.00		1% MnO2 staining.	15622	6.00	8.00	2.00	5620.	2071.	154.	3000.	0.3
8.00	10.00		Rusty hematitic staining.	15623	8.00	10.00	2.00	6230.	2773.	2172.	2700.	0.6
				15624	10.00	12.00	2.00	6180.	2368.	1087.	3200.	1.0
				15625	12.00	14.00	2.00	1180.	1065.	691.	3500.	0.2
				15626	14.00	16.00	2.00	450.	481.	388.	2100.	0.2
				15627	16.00	18.00	2.00	220.	226.	201.	2900.	0.6
				15628	18.00	20.00	2.00	112.	312.	183.	2500.	0.6
				15629	20.00	22.00	2.00	128.	280.	142.	2400.	0.6
				15630	22.00	24.00	2.00	118.	246.	108.	3000.	0.5
24.00	26.00		30% black argillite.	15631	24.00	26.00	2.00	220.	347.	117.	7300.	1.5
26.00	34.00	ARG	Black argillite with white qz stwk.	15632	26.00	28.00	2.00	84.	155.	47.	5600.	1.4
				15633	28.00	30.00	2.00	43.	190.	49.	2700.	0.7
30.00	32.00		30% limonitic qz rich int	15634	30.00	32.00	2.00	21.	357.	46.	5000.	0.3
32.00	34.00		5% limonitic qz rich int with clay altered feldspar phenos.	15635	32.00	34.00	2.00	47.	215.	51.	9500.	0.5
34.00	36.00	INT	Limonitic qz rich int. with moderately clay altered feldspar phenos; 25% black argillite.	15636	34.00	36.00	2.00	32.	237.	39.	5800.	0.2
36.00	44.00	ARG	Black argillite with white qz stwk.									
36.00	38.00		5% limonitic qz rich int.	15637	36.00	38.00	2.00	69.	154.	74.	7400.	2.2
38.00	40.00		40% limonitic qz rich int.	15638	38.00	40.00	2.00	32.	127.	35.	3400.	0.5
				15639	40.00	42.00	2.00	12.	140.	45.	1600.	0.4
				15640	42.00	44.00	2.00	10.	84.	33.	780.	0.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-107
Grid System : ORIGINAL
Collar Eastings : 19996.220
Collar Northings : 20023.410
Collar Elevations : 909.280
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 44.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.00	4.00	2.5					1	4	2														
4.00	6.00	2.5					2	4															
6.00	8.00	2.5					2	4															
8.00	10.00	2.5					2	4															
10.00	12.00	2.5					2.5	4															
12.00	14.00	2.5					2	4															
14.00	16.00	2.5					2	3	TR														
16.00	18.00	2.5					2	3	1														
18.00	20.00	2.5					2	3	2														
20.00	22.00	2.5					2	3	2														
22.00	24.00	2.5					2	3	1														
24.00	26.00	2.5					2	3	1														
26.00	28.00																						
28.00	30.00																						
30.00	32.00							5															
32.00	34.00																						
34.00	36.00	2.5					3	3															
36.00	38.00																						
38.00	40.00																						
40.00	42.00																						
42.00	44.00																						

PROPERTY : BREMERY
HOLE No. : BCRC 90-108
Grid System : ORIGINAL
Collar Eastings : 20047.030
Collar Northings : 20074.300
Collar Elevations : 939.050
Collar Bearing : 999.99
Grid Baseline : 66.00

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	20.00	ARG	Black argillite with white qz stwk.	15641	2.00	4.00	2.00	102.	267.	588.	2200.	2.8
				15642	4.00	6.00	2.00	24.	117.	82.	5600.	3.6
				15643	6.00	8.00	2.00	28.	210.	9387.	4200.	6.4
8.00	10.00		Pink (hematitic) stained qz present.	15644	8.00	10.00	2.00	26.	227.	163.	3200.	4.5
10.00	12.00		Intense stwk. Rusty vuggy qz present.	15645	10.00	12.00	2.00	9.	97.	66.	4000.	2.0
12.00	14.00		Rusty vuggy qz.	15646	12.00	14.00	2.00	18.	98.	54.	11000.	3.2
14.00	16.00		10% limonitic biotite rich intrusive.	15647	14.00	16.00	2.00	20.	201.	88.	8600.	1.9
16.00	20.00		50% limonitic porphyritic biotite rich intrusive.	15648	16.00	18.00	2.00	62.	285.	135.	3700.	2.6
				15649	18.00	20.00	2.00	21.	300.	135.	3500.	3.1
20.00	24.00	F*INT	Biotite rich limonitic intrusive with clay altered feldspar phenos.									
20.00	22.00		10% black argillite.	15650	20.00	22.00	2.00	18.	200.	93.	2500.	0.9
22.00	24.00		20% black argillite.	15651	22.00	24.00	2.00	42.	261.	444.	3800.	1.2
24.00	50.00	ARG	Black argillite with white qz stwk.	15652	24.00	26.00	2.00	5.	88.	51.	5700.	3.8
				15653	26.00	28.00	2.00	5.	82.	40.	7700.	4.3
28.00	30.00		Limonitic qz present.	15654	28.00	30.00	2.00	10.	66.	136.	6400.	2.4
				15655	30.00	32.00	2.00	4.	45.	39.	4200.	0.8
				15656	32.00	34.00	2.00	6.	43.	104.	2800.	0.5
				15657	34.00	36.00	2.00	8.	66.	40.	3000.	0.8
				15658	36.00	38.00	2.00	7.	57.	55.	2200.	0.8
				15659	38.00	40.00	2.00	5.	46.	29.	1900.	0.7
40.00	42.00		30% silicified brown mudstone.	15660	40.00	42.00	2.00	2.	89.	42.	1600.	0.5
42.00	44.00		40% limonitic qz rich int with relic biotite. Moderately clay altered feldspar phenocrysts.	15661	42.00	44.00	2.00	4.	117.	44.	1700.	0.2
44.00	50.00		10-30% mudstone (brown) and blue grey sediment (baritic shale??) mixed with argillite.	15662	44.00	46.00	2.00	1.	105.	44.	750.	0.1
				15663	46.00	48.00	2.00	5.	27.	22.	370.	0.3
				15664	48.00	50.00	2.00	7.	36.	29.	360.	0.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-108
Grid System : ORIGINAL
Collar Eastings : 20047.030
Collar Northings : 20074.300
Collar Elevations : 939.050
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Si %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.00	4.00																						
4.00	6.00																						
6.00	8.00																						
8.00	10.00																						
10.00	12.00							3															
12.00	14.00																						
14.00	16.00																						
16.00	18.00																						
18.00	20.00																						
20.00	22.00	2.5						3															
22.00	24.00	2.5						3															
24.00	26.00																						
26.00	28.00																						
28.00	30.00																						
30.00	32.00																						
32.00	34.00																						
34.00	36.00																						
36.00	38.00																						
38.00	40.00																						
40.00	42.00																						
42.00	44.00																						
44.00	46.00																						
46.00	48.00																						
48.00	50.00																						

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMERY
HOLE No. : BCRC 90-109
Grid System : ORIGINAL
Collar Eastings : 20046.160
Collar Northings : 20047.740
Collar Elevations : 931.890
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GORD McKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	4.00	INT	60% limonitic intrusive. Strong phyllic alteration. 2% remnant szn. 40% cherty black argillite.	15665	2.00	4.00	2.00	480.	922.	1793.	2400.	2.1
4.00	8.00	ARG	90% cherty black argillite with 7% white qz veining & 3% limonitic intrusive.	15666	4.00	6.00	2.00	150.	366.	1039.	5400.	3.1
				15667	6.00	8.00	2.00	98.	394.	269.	8000.	2.8
8.00	16.00	INT	Limonitic intrusive - strong phyllic alteration.	15668	8.00	10.00	2.00	780.	896.	963.	2600.	1.5
				15669	10.00	12.00	2.00	820.	879.	613.	1800.	0.6
12.00	14.00		50% limonitic intrusive. 50% cherty argillite with qz veining.	15670	12.00	14.00	2.00	86.	328.	256.	4500.	1.7
				15671	14.00	16.00	2.00	38.	169.	141.	5400.	4.0
16.00	28.00	ARG	Black cherty argillite with white qz veining.	15672	16.00	18.00	2.00	24.	106.	95.	9500.	3.6
				15673	18.00	20.00	2.00	15.	60.	61.	8600.	2.5
				15674	20.00	22.00	2.00	25.	77.	70.	5400.	1.3
				15675	22.00	24.00	2.00	25.	95.	63.	3100.	1.3
				15676	24.00	26.00	2.00	18.	124.	55.	2600.	1.0
				15677	26.00	28.00	2.00	12.	189.	71.	2800.	1.1
28.00	32.00	INT	Limonitic intrusive. Strong phyllic alteration. Minor cherty black argillite.	15678	28.00	30.00	2.00	12.	201.	92.	2000.	0.6
				15679	30.00	32.00	2.00	8.	230.	105.	3500.	1.3
32.00	34.00	ARG	80% cherty black argillite, 20% limonitic intrusive.	15680	32.00	34.00	2.00	23.	197.	75.	4600.	3.5
34.00	38.00	INT	Limonitic intrusive. Slightly less red than 28-32. More qz.	15681	34.00	36.00	2.00	16.	187.	59.	2800.	6.3
36.00	38.00		5% black cherty argillite.	15682	36.00	38.00	2.00	13.	258.	62.	3500.	2.9
38.00	50.00	ARG	Black cherty argillite with white qz veining.	15683	38.00	40.00	2.00	12.	178.	74.	4400.	2.6
				15684	40.00	42.00	2.00	10.	64.	33.	3300.	0.9
42.00	50.00		As above with tan & green argillite.	15685	42.00	44.00	2.00	14.	92.	42.	2200.	1.8

MORAMDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-109

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			Also minor white/grey ash/tuff???	15686	44.00	46.00	2.00	8.	82.	32.	1100.	2.2
				15687	46.00	48.00	2.00	12.	76.	36.	1700.	1.8
				15688	48.00	50.00	2.00	10.	44.	19.	1800.	2.2

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-109
Grid System : ORIGINAL
Collar Eastings : 20046.160
Collar Northings : 20047.740
Collar Elevations : 931.890
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GORD McKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2				3	3	1	2													
4.00	6.00							2														
6.00	8.00							2														
8.00	10.00	2				3	3	1														
10.00	12.00	2				3	3	1														
12.00	14.00	2				3	3	1														
14.00	16.00							2														
16.00	18.00							2														
18.00	20.00							2														
20.00	22.00							2														
22.00	24.00							2														
24.00	26.00							2														
26.00	28.00							2														
28.00	30.00	2.5				3	4	1														
30.00	32.00	2.5				3	4	1														
32.00	34.00							2														
34.00	36.00	2				3	3	1														
36.00	38.00							1														
38.00	40.00							1														
40.00	42.00							1														
42.00	44.00							1														
44.00	46.00							1														
46.00	48.00							1														
48.00	50.00							1														

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-110
Grid System : ORIGINAL
Collar Eastings : 20056.500
Collar Northings : 20015.270
Collar Elevations : 923.160
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GORD McKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	6.00	INT	Limonitic qz rich intrusive. Strong phyllic alteration.	15689	2.00	4.00	2.00	350.	1187.	117.	2800.	0.5
4.00	6.00		5% Black cherty argillite.	15690	4.00	6.00	2.00	920.	1190.	166.	3700.	0.6
6.00	14.00	ARG	Black cherty argillite.									
6.00	8.00		25% int.	15691	6.00	8.00	2.00	470.	603.	113.	4600.	1.1
				15692	8.00	10.00	2.00	67.	148.	40.	5100.	1.9
				15693	10.00	12.00	2.00	46.	82.	27.	5800.	1.7
12.00	14.00		30% limonitic int.	15694	12.00	14.00	2.00	230.	463.	91.	6500.	1.6
14.00	20.00	INT	Limonitic qz rich int. Strong phyllic alteration. Remnant srs.	15695	14.00	16.00	2.00	97.	784.	104.	2200.	0.8
				15696	16.00	18.00	2.00	128.	790.	141.	1900.	0.5
				15697	18.00	20.00	2.00	300.	609.	230.	3100.	2.3
20.00	30.00	ARG	Black cherty argillite with white quartz veining.	15698	20.00	22.00	2.00	94.	300.	146.	5800.	2.2
				15699	22.00	24.00	2.00	42.	175.	86.	4300.	2.3
24.00	26.00		10% limonitic int.	15700	24.00	26.00	2.00	32.	383.	223.	8600.	3.9
				15701	26.00	28.00	2.00	27.	123.	97.	11000.	2.2
28.00	30.00		10% limonitic int.	15702	28.00	30.00	2.00	31.	290.	137.	10400.	2.0
30.00	40.00	INT	Limonitic qz rich int. Strong phyllic alteration. Rare large clear qz eyes.	15703	30.00	32.00	2.00	37.	344.	100.	6500.	0.8
32.00	40.00		Less qz.	15704	32.00	34.00	2.00	33.	329.	188.	3500.	0.9
				15705	34.00	36.00	2.00	11.	171.	151.	1500.	0.2
				15706	36.00	38.00	2.00	25.	211.	119.	2800.	0.4
				15707	38.00	40.00	2.00	14.	212.	83.	3800.	0.3
40.00	50.00	ARG	Black cherty argillite.	15708	40.00	42.00	2.00	34.	149.	89.	5500.	1.5
				15709	42.00	44.00	2.00	35.	121.	87.	5400.	2.0
				15710	44.00	46.00	2.00	19.	113.	97.	4100.	1.2
				15711	46.00	48.00	2.00	29.	123.	82.	6500.	0.9
				15712	48.00	50.00	2.00	6.	72.	44.	8300.	0.8

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-110
Grid System : ORIGINAL
Collar Eastings : 20056.500
Collar Northings : 20015.270
Collar Elevations : 923.160
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GORD McKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2.5					3	2	1													
4.00	6.00	2.5					3	2	1													
6.00	8.00								2													
8.00	10.00								2													
10.00	12.00								2													
12.00	14.00								2													
14.00	16.00	2					3	2	2	2												
16.00	18.00	2					3	2	2	2												
18.00	20.00	2					3	2	2	2												
20.00	22.00								2													
22.00	24.00								2													
24.00	26.00								2													
26.00	28.00								2													
28.00	30.00	2					2.5	2	1													
30.00	32.00	2					2	2	1													
32.00	34.00	2					2	2	1													
34.00	36.00	2					2	2	1													
36.00	38.00	2					2	2	1													
38.00	40.00	2					2	2	1													
40.00	42.00																					
42.00	44.00																					
44.00	46.00																					
46.00	48.00																					
48.00	50.00																					

MORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-111
Grid System : ORIGINAL
Collar Eastings : 20050.500
Collar Northings : 19994.000
Collar Elevations : 915.330
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	30.00	INT	Limonitic qz rich intrusive with strong argillic alteration.	15714	2.00	4.00	2.00	1300.	1648.	196.	5600.	1.4
				15715	4.00	6.00	2.00	6960.	2837.	84.	3200.	1.2
				15716	6.00	8.00	2.00	1940.	1501.	81.	2600.	0.6
8.00	10.00		5% bleached, white intrusive with disseminated pyrite.	15717	8.00	10.00	2.00	1970.	1364.	55.	3100.	0.5
				15718	10.00	12.00	2.00	1400.	1195.	143.	3600.	0.6
12.00	14.00		Qz-carbonate veining.	15719	12.00	14.00	2.00	980.	1028.	169.	2800.	0.7
14.00	16.00		Rusty-red (hematitic) staining of qz.	15720	14.00	16.00	2.00	580.	820.	185.	2900.	0.5
				15721	16.00	18.00	2.00	530.	834.	163.	2100.	0.4
				15722	18.00	20.00	2.00	560.	1311.	185.	2800.	0.8
				15723	20.00	22.00	2.00	450.	1059.	121.	4000.	0.5
22.00	24.00		10% black argillite; qz eyes in intrusive.	15724	22.00	24.00	2.00	400.	738.	91.	2600.	0.8
24.00	28.00		Trace of disseminated pyrite in qz.	15725	24.00	26.00	2.00	690.	960.	69.	2500.	0.8
				15726	26.00	28.00	2.00	1010.	657.	53.	1800.	0.4
28.00	30.00		5% black argillite; disseminated py in qz.	15727	28.00	30.00	2.00	570.	859.	64.	3000.	0.7
30.00	40.00	ARG	Black argillite with white qz veining.	15728	30.00	32.00	2.00	116.	283.	64.	3300.	3.8
				15729	32.00	34.00	2.00	39.	105.	44.	7600.	5.4
34.00	36.00		Rusty qz veining present.	15730	34.00	36.00	2.00	65.	139.	88.	10800.	3.7
36.00	38.00		5% limonitic qz rich int.	15731	36.00	38.00	2.00	64.	225.	48.	5700.	2.4
38.00	40.00		10% limonitic qz rich int.	15732	38.00	40.00	2.00	38.	187.	40.	7000.	2.4
40.00	44.00	INT	Limonitic qz rich int, minor disseminated pyrite.									
40.00	42.00		20% black argillite.	15733	40.00	42.00	2.00	38.	398.	74.	4300.	1.2
42.00	44.00		40% black argillite.	15734	42.00	44.00	2.00	67.	335.	84.	8800.	1.9
44.00	50.00	ARG	Black argillite.	15735	44.00	46.00	2.00	42.	125.	54.	10600.	1.1
				15736	46.00	48.00	2.00	39.	115.	62.	5100.	0.7
				15737	48.00	50.00	2.00	28.	116.	39.	4000.	0.8

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-111
Grid System : ORIGINAL
Collar Eastings : 20050.500
Collar Northings : 19994.000
Collar Elevations : 915.330
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	3					2.5	3														
4.00	6.00	3					2.5	3														
6.00	8.00	3					2.5	3														
8.00	10.00	3			3		2.5	3	1	TR												
10.00	12.00	3			2		2	3														
12.00	14.00	3			3		2	3	2													
14.00	16.00	3			3		2	3	1													
16.00	18.00	3					2	3	1													
18.00	20.00	3			.5		2	3														
20.00	22.00	3					2	3														
22.00	24.00	2.5					2	3														
24.00	26.00	2.5			3		3	2	1	TR												
26.00	28.00	3			3		3	2	1	TR-1												
28.00	30.00	3			3		3	2	2	TR												
30.00	32.00																					
32.00	34.00																					
34.00	36.00																					
36.00	38.00																					
38.00	40.00																					
40.00	42.00	2.5					2	3		TR												
42.00	44.00	2.5					2	3		TR												
44.00	46.00																					
46.00	48.00																					
48.00	50.00																					

PROPERTY : BREWERY
HOLE No. : BCRC 90-112
Grid System : ORIGINAL
Collar Eastings : 20101.930
Collar Northings : 19983.060
Collar Elevations : 926.620
Collar Bearing : 999.99
Grid Baseline : 66.00

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RD

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	38.00	INT	Limonitic qz rich intrusive.									
2.00	4.00		5% black argillite.	15739	2.00	4.00	2.00	1760.	2179.	183.	3500.	2.1
4.00	6.00		40% black argillite with white qz stwk.	15740	4.00	6.00	2.00	430.	958.	97.	3800.	0.9
6.00	8.00		5% black argillite.	15741	6.00	8.00	2.00	240.	740.	81.	5800.	0.3
				15742	8.00	10.00	2.00	1390.	1074.	164.	4600.	2.3
				15743	10.00	12.00	2.00	1040.	1312.	182.	3400.	1.3
				15744	12.00	14.00	2.00	1030.	1551.	172.	3800.	1.3
				15745	14.00	16.00	2.00	1050.	1245.	112.	4400.	1.8
16.00	18.00		1% MnO2 staining.	15746	16.00	18.00	2.00	1250.	1380.	286.	3100.	1.2
				15747	18.00	20.00	2.00	320.	601.	118.	2600.	0.9
				15748	20.00	22.00	2.00	410.	553.	73.	2400.	0.5
				15749	22.00	24.00	2.00	240.	360.	65.	1600.	0.3
				15750	24.00	26.00	2.00	67.	234.	70.	870.	0.1
				15751	26.00	28.00	2.00	740.	651.	105.	1800.	0.1
				15752	28.00	30.00	2.00	230.	641.	99.	3100.	0.2
30.00	32.00		Trace of grey sulfide in a qz eye (py ??)	15753	30.00	32.00	2.00	54.	316.	53.	1700.	0.1
32.00	34.00		Hematitic stained qz.	15754	32.00	34.00	2.00	158.	1130.	55.	1600.	0.2
				15755	34.00	36.00	2.00	310.	1219.	60.	1800.	0.4
36.00	38.00		40% black argillite with white qz stwk.	15756	36.00	38.00	2.00	122.	480.	204.	4800.	1.9
38.00	46.00	ARG	Black argillite with white qz stwk.	15757	38.00	40.00	2.00	44.	234.	61.	5800.	2.6
				15758	40.00	42.00	2.00	19.	132.	34.	5000.	3.2
				15759	42.00	44.00	2.00	60.	281.	95.	6100.	4.4
				15760	44.00	46.00	2.00	35.	178.	73.	8600.	5.2
46.00	50.00	INT	Limonitic qz rich intrusive with strong argillic alteration. Vuggy.									
46.00	48.00		Intense qz stwk.	15761	46.00	48.00	2.00	21.	271.	48.	5000.	0.7
48.00	50.00		40% black argillite.	15762	48.00	50.00	2.00	12.	110.	31.	4900.	1.0

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCRC 90-112
Grid System : ORIGINAL
Collar Eastings : 20101.930
Collar Northings : 19983.060
Collar Elevations : 926.620
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RD

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %		FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	3					3	3															
4.00	6.00	2.5					3	3															
6.00	8.00	2.5				3	2.5	3	1														
8.00	10.00	2.5				2.5	2.5	4	1														
10.00	12.00	2.5					3	4															
12.00	14.00	3					1.5	3	1														
14.00	16.00	2					1	3															
16.00	18.00	2				.5	1	2															
18.00	20.00	3				3	1	2	1														
20.00	22.00	3					2	2	2														
22.00	24.00	3				2.5	2	2	1														
24.00	26.00	3					2	2	1														
26.00	28.00	3					2	3	2														
28.00	30.00	3					2	3	2														
30.00	32.00	2				1	2	3	1	TR													
32.00	34.00	2.5					2	4	2														
34.00	36.00	3					2	4	2														
36.00	38.00	3					2	3	2														
38.00	40.00																						
40.00	42.00																						
42.00	44.00																						
44.00	46.00																						
46.00	48.00	3					3	3	3	TR													
48.00	50.00	3					2	3	2														

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-113
Grid System : ORIGINAL
Collar Eastings : 20103.060
Collar Northings : 19959.050
Collar Elevations : 917.300
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 0.00
Final Depth : 50.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	10.00	INT	Limonitic quartz rich intrusive with clay altered feldspar phenocrysts and relic biotite.	15764	2.00	4.00	2.00	520.	458.	234.	4600.	1.4
				15765	4.00	6.00	2.00	44.	277.	72.	2200.	0.3
				15766	6.00	8.00	2.00	41.	241.	197.	1900.	0.4
8.00	10.00		Quartz eyes in intrusive; 40% black argillite with white quartz stockwork.	15767	8.00	10.00	2.00	64.	196.	69.	1800.	1.4
10.00	12.00	ARG	Black cherty argillite with white quartz stockwork. 10% Limonitic intrusive.	15768	10.00	12.00	2.00	56.	210.	71.	1800.	1.3
12.00	18.00	INT	Limonitic quartz rich intrusive.	15769	12.00	14.00	2.00	21.	162.	53.	3300.	0.6
				15770	14.00	16.00	2.00	21.	143.	56.	3500.	2.0
16.00	18.00		40% Black argillite.	15771	16.00	18.00	2.00	51.	214.	56.	3300.	1.4
18.00	20.00	ARG	Black argillite with white quartz stockwork. 10% limonitic intrusive.	15772	18.00	20.00	2.00	47.	317.	74.	1800.	1.9
20.00	26.00	F*INT	Biotite rich intrusive.									
20.00	22.00		15% Grey shale.	15773	20.00	22.00	2.00	20.	109.	30.	1100.	0.4
				15774	22.00	24.00	2.00	28.	68.	20.	660.	0.3
24.00	26.00		20% Limonitic quartz rich intrusive.	15775	24.00	26.00	2.00	27.	82.	28.	780.	0.5
26.00	32.00	INT	Limonitic quartz rich intrusive with strong argillic alteration.	15776	26.00	28.00	2.00	21.	55.	17.	1200.	0.3
28.00	30.00		5% Intrusive with fresh black biotite present.	15777	28.00	30.00	2.00	27.	69.	21.	820.	0.4
				15778	30.00	32.00	2.00	34.	145.	29.	1400.	0.1
32.00	40.00	ARG	Black argillite with white quartz stockwork.									
32.00	34.00		30% Limontic quartz rich intrusive (calcareous).	15779	32.00	34.00	2.00	28.	162.	23.	930.	0.8
				15780	34.00	36.00	2.00	15.	62.	16.	390.	1.2
				15781	36.00	38.00	2.00	28.	58.	28.	2500.	3.9
				15782	38.00	40.00	2.00	15.	67.	47.	3000.	4.3
40.00	46.00	INT	Limonitic intrusive with weathered pyrite									

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			and strong argillic alteration. Quartz rich.									
40.00	42.00		15% Black argillite.	15783	40.00	42.00	2.00	12.	125.	27.	2900.	1.4
				15784	42.00	44.00	2.00	25.	153.	26.	2200.	0.7
				15785	44.00	46.00	2.00	38.	272.	18.	1400.	0.7
46.00	50.00	ARG	Black argillite - graphitic.									
46.00	48.00		5% Limonitic intrusive.	15786	46.00	48.00	2.00	13.	87.	31.	7800.	2.9
				15787	48.00	50.00	2.00	4.	40.	22.	5500.	2.8

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-113
Grid System : ORIGINAL
Collar Eastings : 20103.860
Collar Northings : 19959.850
Collar Elevations : 917.380
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 0.00
Final Depth : 50.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00	2.5					2	2		
4.00	6.00	2.5					2	2		
6.00	8.00	2.5					2	2		
8.00	10.00	2.5					2	2		
10.00	12.00							1		
12.00	14.00	3				0.5	2	2	1	
14.00	16.00	3				0.5	1.5	2	1	
16.00	18.00	3					1.5	2	1	
18.00	20.00									
20.00	22.00	2				1.5		1		
22.00	24.00	2				2		1		
24.00	26.00	2.5				3		1		
26.00	28.00	3				3	2.5	1	3	
28.00	30.00	3				3	1	1	1	
30.00	32.00	3				3	1	2		
32.00	34.00					2				
34.00	36.00					0.5				
36.00	38.00									
38.00	40.00									
40.00	42.00	2.5					2	2	2	tr
42.00	44.00	2.5					2	2	2	tr
44.00	46.00	2.5					2	2	2	tr
46.00	48.00									
48.00	50.00									

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

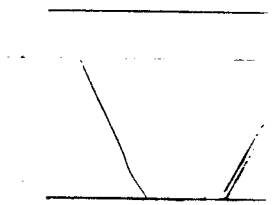
NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-114
Grid System : ORIGINAL
Collar Eastings : 20048.240
Collar Northings : 20101.530
Collar Elevations : 944.370
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GORDON MacKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	8.00	ARG	25% Limonitic oxidized intrusive. 75% Black cherty to silty argillite with quartz veining.	15788	2.00	4.00	2.00	26.	187.	48.	3800.	3.3
4.00	8.00		Cherty black with increased quartz veining.	15789	4.00	6.00	2.00	9.	92.	24.	1400.	2.8
				15790	6.00	8.00	2.00	14.	158.	26.	2000.	3.3
8.00	10.00	INT	60% Fine grained limonitic oxidized intrusive. 40% Black argillite with extensive quartz veining.	15791	8.00	10.00	2.00	12.	279.	39.	2500.	2.3
10.00	14.00	INT	90% Fine grained limonitic oxidized intrusive. 10% Black argillite with quartz veining. Minor slickensides in the intrusive.	15792	10.00	12.00	2.00	8.	214.	40.	3200.	1.6
				15793	12.00	14.00	2.00	8.	256.	33.	2800.	1.2
14.00	16.00	INT	60% Intrusive, 40% black argillite with quartz veining.	15794	14.00	16.00	2.00	18.	255.	44.	4300.	1.8
16.00	20.00	ARG	Black argillite with white quartz veining.	15795	16.00	18.00	2.00	14.	120.	37.	8900.	3.6
				15796	18.00	20.00	2.00	9.	56.	22.	5400.	2.4
20.00	30.00	ARG	Black argillite with white quartz veining. Tan coloured fine grained tuff? (5-60%).	15797	20.00	22.00	2.00	14.	90.	30.	3500.	1.9
				15798	22.00	24.00	2.00	9.	111.	31.	2600.	1.3
				15799	24.00	26.00	2.00	8.	141.	29.	1200.	0.7
				15800	26.00	28.00	2.00	6.	142.	32.	1100.	0.6
				15801	28.00	30.00	2.00	11.	118.	33.	2100.	1.1
30.00	50.00	ARG	Fine grained greyish green silty argillite with minor quartz veining.	15802	30.00	32.00	2.00	6.	74.	24.	1400.	0.7
				15803	32.00	34.00	2.00	7.	101.	28.	1700.	0.6
				15804	34.00	36.00	2.00	6.	67.	17.	1300.	1.0
				15805	36.00	38.00	2.00	7.	71.	23.	1500.	1.1
				15806	38.00	40.00	2.00	8.	83.	25.	2200.	1.5
				15807	40.00	42.00	2.00	8.	99.	28.	2000.	1.1



MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-114

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				15808	42.00	44.00	2.00	8.	82.	22.	1400.	0.7
44.00	46.00		Minor amount of limonitic intrusive ((5%).	15809	44.00	46.00	2.00	7.	119.	19.	1200.	1.4
				15810	46.00	48.00	2.00	7.	121.	26.	1500.	1.0
				15811	48.00	50.00	2.00	12.	126.	29.	1050.	1.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-114
Grid System : ORIGINAL
Collar Eastings : 20048.240
Collar Northings : 20101.530
Collar Elevations : 944.370
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

PAGE : 1

Logged by : GORDON MacKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2				2	3	2														
4.00	6.00	2				2	3	3														
6.00	8.00	2				2	3	3														
8.00	10.00	2				2	3	3														
10.00	12.00	2				2	3	3														
12.00	14.00	2				2	3	3														
14.00	16.00	2				2	3	3														
16.00	18.00							3														
18.00	20.00							2														
20.00	22.00							2														
22.00	24.00							2														
24.00	26.00							2														
26.00	28.00							2														
28.00	30.00							2														
30.00	32.00							1														
32.00	34.00																					
34.00	36.00																					
36.00	38.00																					
38.00	40.00																					
40.00	42.00																					
42.00	44.00																					
44.00	46.00																					
46.00	48.00																					
48.00	50.00																					

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-115
Grid System : ORIGINAL
Collar Eastings : 20102.990
Collar Northings : 20037.660
Collar Elevations : 946.330
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GORDON C. MacKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	26.00	ARG	Black cherty to silty argillite with white quartz veining.	15812	2.00	4.00	2.00	161.	353.	195.	3300.	2.1
				15813	4.00	6.00	2.00	52.	204.	78.	4600.	3.5
				15814	6.00	8.00	2.00	240.	394.	207.	5600.	3.3
8.00	12.00		10% white quartz.	15815	8.00	10.00	2.00	40.	122.	53.	4000.	2.6
				15816	10.00	12.00	2.00	16.	89.	44.	4300.	2.5
				15817	12.00	14.00	2.00	40.	139.	98.	9500.	3.8
				15818	14.00	16.00	2.00	14.	34.	22.	2500.	2.4
				15819	16.00	18.00	2.00	13.	52.	24.	5400.	2.7
				15820	18.00	20.00	2.00	15.	83.	33.	3000.	2.4
				15821	20.00	22.00	2.00	6.	74.	26.	5200.	4.4
				15822	22.00	24.00	2.00	34.	155.	68.	4300.	3.6
				15823	24.00	26.00	2.00	13.	177.	54.	3800.	3.7
26.00	28.00	ARG	Black cherty to silty argillite with white quartz veining. 20% limonitic oxidized intrusive with minor remnant sulphides.	15824	26.00	28.00	2.00	5.	274.	42.	3800.	2.0
28.00	30.00	INT	Limonitic oxidized intrusive with minor remnant sulphides.	15825	28.00	30.00	2.00	11.	225.	28.	4400.	0.7
30.00	32.00	ARG	10% Altered intrusive, 90% Black cherty to silty argillite.	15826	30.00	32.00	2.00	1.	161.	35.	3900.	2.7
32.00	50.00	ARG	Black cherty to silty argillite.	15827	32.00	34.00	2.00	5.	75.	26.	2900.	3.5
34.00	36.00		Minor quartz veining.	15828	34.00	36.00	2.00	1.	72.	16.	1200.	3.1
				15829	36.00	38.00	2.00	9.	61.	14.	1500.	3.3
				15830	38.00	40.00	2.00	7.	42.	8.	730.	3.1
				15831	40.00	42.00	2.00	6.	32.	8.	900.	3.1
				15832	42.00	44.00	2.00	7.	40.	16.	820.	4.0
				15833	44.00	46.00	2.00	8.	27.	10.	780.	2.7
				15834	46.00	48.00	2.00	1.	40.	16.	3300.	2.9
				15835	48.00	50.00	2.00	2.	33.	16.	2500.	2.7

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-115
Grid System : ORIGINAL
Collar Eastings : 20102.990
Collar Northings : 20037.660
Collar Elevations : 946.330
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GORDON C. MacKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00							1		
4.00	6.00							1		
6.00	8.00							1		
8.00	10.00							2.5		
10.00	12.00							2.5		
12.00	14.00							1		
14.00	16.00							1		
16.00	18.00							1		
18.00	20.00							1		
20.00	22.00							1		
22.00	24.00							1		
24.00	26.00							1.5		
26.00	28.00	2				2	4	1	<1	
28.00	30.00	2				2	4	1	<1	
30.00	32.00	2				2	4	1	<1	
32.00	34.00									
34.00	36.00							1		
36.00	38.00									
38.00	40.00									
40.00	42.00									
42.00	44.00									
44.00	46.00									
46.00	48.00									
48.00	50.00									

GEOTECHNICAL SAMPLES

FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-116
Grid System : ORIGINAL
Collar Eastings : 20102.820
Collar Northings : 20017.410
Collar Elevations : 938.820
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : GORDON C. MacRAE
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	10.00	INT	Medium, fine grained, orange altered intrusive. Weakly sucrosic. Minor remnant sulphide. Minor translucent quartz veining.	15836	2.00	4.00	2.00	1850.	1998.	1764.	3500.	1.1
				15837	4.00	6.00	2.00	5490.	2479.	1931.	3400.	1.2
				15838	6.00	8.00	2.00	5940.	2093.	1069.	2600.	1.0
				15839	8.00	10.00	2.00	6310.	2692.	1835.	4300.	1.9
10.00	12.00	ARG	Black cherty to silty argillite with minor quartz veining.	15840	10.00	12.00	2.00	1520.	592.	771.	3500.	2.7
12.00	14.00	INT	60% Intrusive; medium to fine grained, orange in colour, altered with minor remnant sulphide. 40% black cherty to silty argillite.	15841	12.00	14.00	2.00	2590.	1354.	1146.	4100.	2.8
14.00	32.00	ARG	Black cherty to silty argillite. Minor orange to reddish fine grained intrusive. Up to 10% quartz veining.	15842	14.00	16.00	2.00	790.	501.	535.	3400.	3.0
				15843	16.00	18.00	2.00	153.	175.	129.	2800.	1.9
				15844	18.00	20.00	2.00	31.	77.	64.	1800.	2.9
				15845	20.00	22.00	2.00	75.	123.	81.	830.	0.8
				15846	22.00	24.00	2.00	31.	67.	59.	3600.	2.0
				15847	24.00	26.00	2.00	1.	94.	70.	3300.	2.9
				15848	26.00	28.00	2.00	1.	78.	60.	2900.	3.1
				15849	28.00	30.00	2.00	41.	134.	95.	3400.	3.5
				15850	30.00	32.00	2.00	23.	128.	55.	2800.	2.5
32.00	34.00	INT	40% Orange limonitic intrusive. 60% Black cherty to silty argillite.	15851	32.00	34.00	2.00	250.	265.	188.	3300.	2.2
34.00	36.00	INT	Orange limonitic intrusive. 1% remnant sulphides. 10% Black argillite.	15852	34.00	36.00	2.00	32.	218.	95.	4100.	1.1
36.00	40.00	ARG	Black cherty to silty argillite with minor quartz veining.	15853	36.00	38.00	2.00	35.	145.	78.	2900.	6.1
				15854	38.00	40.00	2.00	13.	65.	34.	1900.	6.0

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMERY CREEK
HOLE No. : BCRC 90-116
Grid System : ORIGINAL
Collar Eastings : 20102.820
Collar Northings : 20017.410
Collar Elevations : 938.820
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : GORDON C. MacKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2					2.5	3	1.5	<1												
4.00	6.00	2					2.5	3	1.5	<1												
6.00	8.00	2					2.5	3	1.5	<1												
8.00	10.00	2					2.5	3	1.5	<1												
10.00	12.00								1.5													
12.00	14.00								1.5													
14.00	16.00								1.5													
16.00	18.00								1.5													
18.00	20.00								2													
20.00	22.00								2													
22.00	24.00								2													
24.00	26.00								2.5													
26.00	28.00								2													
28.00	30.00								2													
30.00	32.00								1.5													
32.00	34.00	2					2.5		1	1												
34.00	36.00						3		1	1												
36.00	38.00								1.5													
38.00	40.00								1.5													

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-117
Grid System : ORIGINAL
Collar Eastings : 20861.600
Collar Northings : 19954.400
Collar Elevations : 1049.880
Collar Bearing : 999.99
Grid Baseline : 66.00

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 60.00
Claim No. :

Logged by : D. HEON
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	20.00	F*INT	Fresh blue grey biotite rich intrusive.	15855	2.00	4.00	2.00	55.	64.	16.	540.	0.7
			(Trace fragments of chert/argillite?)	15856	4.00	6.00	2.00	27.	38.	12.	900.	0.1
6.00	8.00		30% Altered limonite intrusive; lacks biotite.	15857	6.00	8.00	2.00	240.	201.	29.	2700.	0.2
				15858	8.00	10.00	2.00	27.	74.	34.	500.	0.6
				15859	10.00	12.00	2.00	22.	71.	36.	260.	0.4
				15860	12.00	14.00	2.00	2.	88.	51.	280.	0.3
				15861	14.00	16.00	2.00	10.	78.	38.	270.	0.3
				15862	16.00	18.00	2.00	2.	39.	21.	320.	0.4
				15863	18.00	20.00	2.00	11.	54.	22.	450.	0.2
20.00	26.00	INT	Limonitic quartz rich intrusive.									
20.00	22.00		20% fresh blue grey biotite rich intrusive.	15864	20.00	22.00	2.00	20.	144.	22.	3100.	0.1
22.00	24.00		Manganese staining.	15865	22.00	24.00	2.00	3.	48.	19.	2000.	0.1
24.00	26.00		10% Grey fresh biotite rich intrusive.	15866	24.00	26.00	2.00	1.	19.	10.	1100.	0.1
26.00	32.00	F*INT	Fresh blue-grey biotite rich intrusive.	15867	26.00	28.00	2.00	13.	12.	8.	130.	0.1
				15868	28.00	30.00	2.00	2.	12.	4.	100.	0.1
				15869	30.00	32.00	2.00	3.	21.	7.	110.	0.1
32.00	38.00	INT	Limonite quartz rich intrusive up to 5%	15870	32.00	34.00	2.00	8.	75.	7.	140.	0.1
			of grey intrusive; altered mica and	15871	34.00	36.00	2.00	5.	181.	13.	750.	0.1
			manganese staining.	15872	36.00	38.00	2.00	22.	154.	13.	870.	0.1
38.00	40.00	MUDST	Blue mudstone, 10% limonitic intrusive.	15873	38.00	40.00	2.00	5.	184.	15.	640.	0.3
40.00	52.00	INT	Limonitic oxidized intrusive.									
40.00	42.00		20% Blue fresh biotite rich intrusive.	15874	40.00	42.00	2.00	11.	63.	10.	180.	0.1
42.00	44.00		5% blue fresh biotite rich intrusive;	15875	42.00	44.00	2.00	2.	148.	24.	320.	0.1
			oxidized intrusive is very red.	15876	44.00	46.00	2.00	70.	280.	31.	810.	0.1
46.00	50.00		10% Fresh blue biotite intrusive.	15877	46.00	48.00	2.00	232.	592.	24.	780.	0.3
				15878	48.00	50.00	2.00	1050.	2600.	27.	4600.	0.4
50.00	52.00		1-2 % fresh blue intrusive with manganese	15879	50.00	52.00	2.00	520.	2256.	30.	6300.	1.0

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMERY CREEK
HOLE No. : BCRC 90-117

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			staining.									
52.00	60.00	ARG	Black argillite slightly graphitic.									
52.00	54.00		25% oxidized intrusive.	15880	52.00	54.00	2.00	81.	290.	18.	3400.	2.4
				15881	54.00	56.00	2.00	22.	79.	19.	2700.	2.1
				15882	56.00	58.00	2.00	7.	130.	34.	4400.	2.0
				15883	58.00	60.00	2.00	2.	150.	22.	2500.	2.2

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-117
Grid System : ORIGINAL
Collar Eastings : 20861.600
Collar Northings : 19954.400
Collar Elevations : 1049.880
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 60.00
Claim No. :

Logged by : D. HEON
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2					1	2	1													
4.00	6.00						1	2	1													
6.00	8.00				0.5		2	2														
8.00	10.00				1.5		1	2														
10.00	12.00				1.5		1	2														
12.00	14.00				1		1	2														
14.00	16.00				2		1	2														
16.00	18.00				1.5		1	2														
18.00	20.00				1		1	3														
20.00	22.00	2			3		2	3	1													
22.00	24.00	1			3		2	3	1													
24.00	26.00	2			3		1	3	1													
26.00	28.00				1.5		1	2														
28.00	30.00				1.5		1	2	1													
30.00	32.00	2			1.5		1	2	1													
32.00	34.00	3			3		1.5	1														
34.00	36.00				3		1.5	3														
36.00	38.00				3		1.5	3														
38.00	40.00				2.5		1.5		1													
40.00	42.00				2.5		1	2														
42.00	44.00				2.5		1	1.5														
44.00	46.00				2.5		1	1.5	1													
46.00	48.00				2.5		1	1														
48.00	50.00				1		1	2														
50.00	52.00				2.5		1	3														
52.00	54.00				2																	
54.00	56.00				1																	
56.00	58.00				1																	
58.00	60.00				3																	

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-118
Grid System : ORIGINAL
Collar Eastings : 20861.590
Collar Northings : 19927.920
Collar Elevations : 1042.930
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 62.00
Claim No. :

Logged by : D. HEON
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	14.00	F*INT	Gray quartz and biotite rich intrusive (trace argillite).	15884	2.00	4.00	2.00	1.	153.	28.	1200.	0.5
4.00	6.00		2-5% Reddish quartz.	15885	4.00	6.00	2.00	29.	129.	9.	330.	0.1
6.00	8.00		Black and reddish biotite. 2-5% Reddish quartz.	15886	6.00	8.00	2.00	6.	59.	6.	260.	0.1
8.00	10.00		<1% reddish quartz (from oxidized intrusive?)	15887	8.00	10.00	2.00	16.	53.	18.	280.	0.1
10.00	12.00		Blue coloured intrusive.	15888	10.00	12.00	2.00	5.	47.	20.	120.	0.1
				15889	12.00	14.00	2.00	4.	48.	12.	350.	0.2
14.00	42.00	INT	Limonitic quartz rich intrusive; siliceous, no biotite, no feldspars.									
14.00	18.00		5% Blueish grey intrusive.	15890	14.00	16.00	2.00	44.	166.	27.	180.	0.6
				15891	16.00	18.00	2.00	16.	114.	15.	260.	0.1
18.00	28.00		1-2% Blueish grey intrusive.	15892	18.00	20.00	2.00	80.	457.	25.	500.	0.3
			note: at 18-22m; manganese staining.	15893	20.00	22.00	2.00	460.	598.	25.	750.	0.2
			note: at 26-28m; white quartz with disseminated pyrite.	15894	22.00	24.00	2.00	1180.	1008.	26.	1500.	0.4
				15895	24.00	26.00	2.00	2540.	1231.	20.	3600.	0.6
				15896	26.00	28.00	2.00	920.	759.	18.	3200.	0.3
28.00	30.00		Manganese staining, calcite crystal, altered biotite and feldspar.	15897	28.00	30.00	2.00	350.	748.	31.	3100.	0.2
30.00	34.00		Manganese, quartz and altered feldspar.	15898	30.00	32.00	2.00	690.	999.	49.	3500.	0.1
				15899	32.00	34.00	2.00	320.	523.	24.	3400.	0.4
				15900	34.00	36.00	2.00	169.	530.	28.	2900.	0.9
36.00	38.00		Biotite rich, no visible feldspar.	15901	36.00	38.00	2.00	26.	155.	32.	2600.	0.1
38.00	40.00		2-3% white quartz or intrusive with soft green patches. Lacks biotite and feldspar.	15902	38.00	40.00	2.00	42.	121.	18.	3000.	0.1
40.00	42.00		<1% white quartz or intrusive with fine grained sulphides. Some feldspars.	15903	40.00	42.00	2.00	960.	924.	30.	6200.	0.4
42.00	46.00	ARG	Black argillite, trace of quartz veining.									
42.00	44.00		15% Oxidized intrusive.	15904	42.00	44.00	2.00	340.	477.	42.	5100.	1.7

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCBC 90-118

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				15905	44.00	46.00	2.00	69.	183.	21.	8200.	1.4
46.00	56.00	INT	Limonitic intrusive.									
46.00	48.00		Quartz rich with altered feldspars and mafic minerals; 15% argillite.	15906	46.00	48.00	2.00	34.	357.	22.	3300.	0.4
48.00	50.00		Quartz rich.	15907	48.00	50.00	2.00	33.	221.	22.	2300.	1.0
50.00	52.00		3% White sugary quartz with fine grained disseminated sulphides (1-2%) - stibnite? Also clear quartz present.	15908	50.00	52.00	2.00	35.	498.	25.	3200.	0.4
52.00	54.00		Clear quartz present.	15909	52.00	54.00	2.00	13.	128.	20.	1900.	0.2
54.00	56.00		Some altered feldspars, clear quartz present. 25% Argillite.	15910	54.00	56.00	2.00	14.	140.	28.	5100.	1.3
56.00	62.00	ARG	Black argillite, trace quartz veining.	15911	56.00	58.00	2.00	8.	48.	17.	5800.	1.8
58.00	62.00		Some grey pieces - limey.	15912	58.00	60.00	2.00	27.	89.	27.	10400.	2.6
				15913	60.00	62.00	2.00	8.	49.	16.	4300.	1.8

BORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-118
Grid System : ORIGINAL
Collar Eastings : 20861.590
Collar Northings : 19927.920
Collar Elevations : 1042.930
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 62.00
Claim No. :

Logged by : D. HEON
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : HC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	1			2																	
4.00	6.00	2			1																	
6.00	8.00	1			1																	
8.00	10.00	<1			1																	
10.00	12.00	2			1																	
12.00	14.00				2																	
14.00	16.00	3			1	3	1	1														
16.00	18.00	3			3	3	1															
18.00	20.00	3			3	3	2															
20.00	22.00	3			2	3	3															
22.00	24.00	3			3	3	3	1														
24.00	26.00	3			2	3	3															
26.00	28.00	3			3	3	1	2	1													
28.00	30.00	3			3	2	2.5															
30.00	32.00	2.5			1	2	2.5	1														
32.00	34.00	2.5			1	2	2.5															
34.00	36.00	2.5			3	2	2.5															
36.00	38.00	2.5			3	2	2															
38.00	40.00	2.5			3.5	2	1															
40.00	42.00	2			2	2	2	1	<1													
42.00	44.00	1			<1			1														
44.00	46.00	2			<1																	
46.00	48.00	1			<1	2	2															

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-118

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
48.00	50.00	2.5			<1	3	2															
50.00	52.00				2	3	1															
52.00	54.00	1			1	2	2															
54.00	56.00	1.5			2	2	2															
56.00	58.00				2			<1														
58.00	60.00				3																	
60.00	62.00				3																	

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMNER CREEK
HOLE No. : BCRC 90-119
Grid System : ORIGINAL
Collar Eastings : 20860.200
Collar Northings : 19906.430
Collar Elevations : 1036.110
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 64.00
Claim No. :

Logged by : NATALIE HACHEY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	4.00	F*INT	Fresh blue grey biotite rich intrusive.	15914	2.00	4.00	2.00	33.	40.	11.	700.	0.2
4.00	18.00	INT	Limonitic quartz rich intrusive.									
4.00	6.00		Minor bleached biotite, 1% MnO2 staining.	15915	4.00	6.00	2.00	117.	324.	14.	2800.	0.1
6.00	8.00		1% MnO2 staining, 1% clear quartz, trace of bleached biotite.	15916	6.00	8.00	2.00	230.	542.	20.	2700.	0.1
8.00	10.00		Trace of bleached biotite, clear quartz eye, grey quartz, milky quartz, 1% MnO2 staining. Minor hematite?	15917	8.00	10.00	2.00	48.	274.	24.	4800.	0.3
10.00	14.00		Clear quartz eye, rusty hematite in quartz, 1% oxides - orange.	15918	10.00	12.00	2.00	280.	598.	33.	4000.	0.1
				15919	12.00	14.00	2.00	13.	419.	53.	4700.	0.1
14.00	18.00		Pale orange. 20% blue grey biotite rich intrusive. < 1% Hematite, < 1% quartz eye, < 1% stockwork.	15920	14.00	16.00	2.00	21.	324.	42.	2900.	0.2
				15921	16.00	18.00	2.00	7.	166.	32.	1800.	0.1
18.00	22.00	F*INT	Bluish grey biotite and quartz rich intrusive. 25% limonitic quartz rich intrusive. Contains 5% biotite, 10% MnO2 staining, < 1% milky quartz, as well as clear and grey quartz.	15922	18.00	20.00	2.00	5.	41.	22.	370.	0.2
				15923	20.00	22.00	2.00	3.	42.	18.	1300.	0.1
22.00	26.00	INT	Pale orange limonitic quartz rich intrusive.									
22.00	26.00		Grey and milky quartz; <1% milky quartz, 10% manganese staining.	15924	22.00	24.00	2.00	7.	40.	16.	1100.	0.1
				15925	24.00	26.00	2.00	21.	214.	23.	1200.	0.1
26.00	30.00	F*INT	Bluish grey biotite and quartz rich intrusive with 25% limonitic quartz rich intrusive. 1% biotite, grey quartz, < 1% quartz eyes.	15926	26.00	28.00	2.00	12.	73.	16.	300.	0.1
				15927	28.00	30.00	2.00	14.	57.	17.	320.	0.1
30.00	40.00	INT	Limonitic quartz rich intrusive.									
30.00	36.00		2% bluish grey quartz feldspar grains.	15928	30.00	32.00	2.00	161.	354.	18.	1100.	0.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-119

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			Greyish quartz, yellowish fledspar,	15929	32.00	34.00	2.00	27.	101.	23.	380.	0.1
			1% MnO2 staining.	15930	34.00	36.00	2.00	410.	372.	21.	950.	0.2
36.00	40.00		Dark orange. Greyish quartz grains	15931	36.00	38.00	2.00	49.	102.	25.	500.	0.1
			remnant feldspars, MnO2 staining.	15932	38.00	40.00	2.00	47.	141.	27.	230.	0.1
40.00	42.00	F*INT	Bluish grey biotite and quartz rich intrusive. 5% altered biotite, greyish blue quartz.	15933	40.00	42.00	2.00	7.	21.	6.	130.	0.1
42.00	50.00	INT	Limonitic quartz rich intrusive.									
42.00	44.00		15% bluish grey quartz and biotite	15934	42.00	44.00	2.00	12.	65.	6.	1200.	0.1
			grains.	15935	44.00	46.00	2.00	15.	192.	11.	1400.	0.1
46.00	48.00		1% MnO2 staining with trace of stibnite?	15936	46.00	48.00	2.00	16.	106.	7.	1100.	0.1
			Minor stockwork, dark orange in colour. Hematite staining present.									
48.00	50.00		Beige colour. 45% bluish grey quartz	15937	48.00	50.00	2.00	9.	103.	17.	3600.	0.2
			grains with clear quartz and biotite.									
50.00	54.00	MUDST	Brown mudstone.	15938	50.00	52.00	2.00	105.	356.	87.	9400.	2.1
				15939	52.00	54.00	2.00	43.	373.	448.	8600.	1.9
54.00	62.00	INT	Limonitic quartz rich intrusive.									
54.00	56.00		10% Mudstone grains, minor stibnite in	15940	54.00	56.00	2.00	730.	2054.	81.	4300.	1.8
			white quartz. Rusty quartz, hematite staining, imparting dark orangy colour.									
56.00	58.00		1-2% grains of quartz with stibnite, py?	15941	56.00	58.00	2.00	250.	1536.	50.	2900.	0.4
			Clear quartz eyes, hematitic quartz grains									
58.00	60.00		Rusty quartz with euhedral pyrite and	15942	58.00	60.00	2.00	340.	1240.	21.	2100.	0.5
			stibnite?									
60.00	62.00		25% argillite grains, sulphide in quartz	15943	60.00	62.00	2.00	111.	485.	33.	3300.	1.3
62.00	64.00	ARG	Argillite.	15944	62.00	64.00	2.00	49.	97.	13.	2300.	0.5
			1% rusty and white quartz grains with									
			sulphides and quartz stockwork.									

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-119
Grid System : ORIGINAL
Collar Eastings : 20860.280
Collar Northings : 19906.430
Collar Elevations : 1036.110
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 64.00
Claim No. :

Logged by : NATALIE HACHEY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Si %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.00	4.00	1.5			0	0	1-3																
4.00	6.00	2			3	1	3-5																
6.00	8.00	2			3	2.5	3-5	1															
8.00	10.00	2			3	2.5	3-5	1															
10.00	12.00	2			3	2.5	5-7	2															
12.00	14.00	2			3	2.5	5-7	1															
14.00	16.00	2			3	2	3-5	1															
16.00	18.00	2			3	2	3-5	1															
18.00	20.00	1.5			3	1	1-3																
20.00	22.00	1.5			3	1	1-3																
22.00	24.00	2			3	1	3-5	1															
24.00	26.00	2			3	1	3-5	1															
26.00	28.00	1.5			3	1	1-3																
28.00	30.00	1.5			3	1	1-3																
30.00	32.00	2			3		3-5																
32.00	34.00	2			3		3-5																
34.00	36.00	2			3		3-5																
36.00	38.00	2			3		5-7																
38.00	40.00	2			3		5-7																
40.00	42.00	1.5			3		1-3																

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-119

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
42.00	44.00	2			3		3-5															
44.00	46.00	2			3		3-5															
46.00	48.00	2			3		5-7	1		TR												
48.00	50.00	2			3	1	1-3															
50.00	52.00																					
52.00	54.00																					
54.00	56.00	3			0-1	2	6-10	1		TR												
56.00	58.00	3			2	2	6-10	1		1												
58.00	60.00	3			1	2	6-10	2		1.5												
60.00	62.00	3			0-1	2	6-10	2		1.5												
62.00	64.00				0	2		2		1												

MORAMDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PAGE : 1

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-120
Grid System : ORIGINAL
Collar Eastings : 20860.950
Collar Northings : 19882.820
Collar Elevations : 1028.700
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 60.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	16.00	F*INT	Fresh blue grey biotite rich (20% biotite) intrusive.									
2.00	8.00		10% Limonitic intrusive.	15945	2.00	4.00	2.00	72.	108.	12.	470.	0.1
				15946	4.00	6.00	2.00	38.	91.	8.	400.	0.1
				15947	6.00	8.00	2.00	29.	68.	3.	150.	0.1
8.00	10.00		30% Limonitic intrusive.	15948	8.00	10.00	2.00	109.	300.	7.	650.	0.4
10.00	16.00		5% Limonitic intrusive. 10% medium to dark grey quartz chips with biotite.	15949	10.00	12.00	2.00	12.	40.	2.	150.	0.1
				15950	12.00	14.00	2.00	6.	22.	3.	90.	0.1
				15951	14.00	16.00	2.00	7.	72.	13.	330.	0.1
16.00	22.00	ARG	Dark black argillite.	15952	16.00	18.00	2.00	8.	98.	18.	750.	0.6
				15953	18.00	20.00	2.00	15.	87.	14.	680.	0.6
20.00	22.00		20% Limonitic intrusive (lacks biotite). Limonitic quartz rich intrusive with 5% black biotite.	15954	20.00	22.00	2.00	11.	119.	26.	920.	0.1
22.00	26.00	INT	Limonitic quartz rich intrusive with 5% black biotite.	15955	22.00	24.00	2.00	12.	130.	31.	330.	0.1
				15956	24.00	26.00	2.00	2.	171.	23.	860.	0.1
26.00	28.00	F*INT	Fresh blue grey biotite rich (20%) intrusive. 10% limonitic intrusive.	15957	26.00	28.00	2.00	1.	131.	11.	270.	0.1
28.00	30.00	INT	Limonitic quartz rich intrusive with 5% black biotite.	15958	28.00	30.00	2.00	69.	246.	17.	460.	0.1
30.00	32.00	F*INT	Fresh blue grey biotite rich (20%) intrusive.	15959	30.00	32.00	2.00	4.	37.	5.	330.	0.1
32.00	46.00	INT	Limonitic quartz rich intrusive.									
32.00	36.00		Lacks biotite, minor light grey pyritic quartz feldspar porphyry.	15960	32.00	34.00	2.00	7.	133.	15.	2700.	0.1
				15961	34.00	36.00	2.00	2.	94.	20.	3300.	0.2
36.00	42.00		Lacks biotite, minor rusty quartz.	15962	36.00	38.00	2.00	18.	252.	8.	2200.	0.1
				15963	38.00	40.00	2.00	3.	88.	5.	2100.	0.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-120

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				15964	40.00	42.00	2.00	2.	30.	5.	1100.	0.1
42.00	46.00		10 - 15% Fresh blue grey biotite rich intrusive. 10% Bleached white intrusive, strong argillic alteration.	15965	42.00	44.00	2.00	7.	63.	12.	550.	0.1
				15966	44.00	46.00	2.00	2.	26.	4.	760.	0.1
46.00	50.00	F*INT	Fresh blue grey biotite rich intrusive.	15967	46.00	48.00	2.00	5.	34.	10.	390.	0.1
			20% Limonitic intrusive.	15968	48.00	50.00	2.00	17.	47.	13.	400.	0.1
50.00	54.00	INT	Limonitic quartz rich intrusive. Lacks biotite. 10% Light grey quartz.	15969	50.00	52.00	2.00	32.	173.	23.	2000.	0.1
52.00	54.00		20% Black argillite.	15970	52.00	54.00	2.00	31.	194.	17.	2200.	0.5
54.00	60.00	ARG	Dark grey to brown argillite.	15971	54.00	56.00	2.00	55.	154.	25.	6800.	2.4
				15972	56.00	58.00	2.00	22.	145.	32.	7900.	1.8
				15973	58.00	60.00	2.00	15.	128.	33.	4000.	1.8

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-120
Grid System : ORIGINAL
Collar Eastings : 20860.950
Collar Northings : 19882.820
Collar Elevations : 1028.700
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 60.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sr %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	1.5			3		1.5															
4.00	6.00	1.5			3		1.5															
6.00	8.00	1.5			3		1.5															
8.00	10.00	1.5			3		1.5	2														
10.00	12.00	1.5			3		1.5															
12.00	14.00	1.5			3		1.5															
14.00	16.00	1.5			3		1.5															
16.00	18.00																					
18.00	20.00																					
20.00	22.00																					
22.00	24.00	2						3														
24.00	26.00							3														
26.00	28.00																					
28.00	30.00							3														
30.00	32.00				2			1														
32.00	34.00	2.5			3		3	3														
34.00	36.00	2.5			4		3	1														
36.00	38.00	2.5			4		3	2	1													
38.00	40.00	2.5			4		3	2	1													
40.00	42.00	2.5			4		3	2	1													
42.00	44.00	3			4		3	2	1													
44.00	46.00	3			4		3	1	1													
46.00	48.00	1.5			4		1.5															
48.00	50.00	1.5			2		1.5															
50.00	52.00	2.5			3		3	3														

MOHANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-120

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
52.00	54.00	2.5			3	3	1															
54.00	56.00																					
56.00	58.00																					
58.00	60.00																					

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-121
Grid System : ORIGINAL
Collar Eastings : 20776.410
Collar Northings : 19951.250
Collar Elevations : 1038.040
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 62.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	18.00	F*INT	Fresh blue grey biotite rich intrusive.									
2.00	8.00		20% Limonitic intrusive.	15974	2.00	4.00	2.00	151.	315.	48.	3000.	0.8
				15975	4.00	6.00	2.00	350.	164.	17.	1000.	0.2
				15976	6.00	8.00	2.00	240.	205.	21.	490.	0.1
				15977	8.00	10.00	2.00	36.	73.	17.	620.	0.3
				15978	10.00	12.00	2.00	22.	33.	7.	380.	0.1
				15979	12.00	14.00	2.00	21.	51.	7.	420.	0.1
14.00	16.00		15% Limonitic intrusive.	15980	14.00	16.00	2.00	270.	136.	19.	470.	0.1
16.00	18.00		30% Limonitic intrusive.	15981	16.00	18.00	2.00	350.	334.	18.	590.	0.2
18.00	20.00	INT	Limonitic quartz rich intrusive, lacks biotite. 20% Black argillite.	15982	18.00	20.00	2.00	125.	273.	16.	520.	0.3
20.00	28.00	ARG	Dark grey to black argillite/mudstone.	15983	20.00	22.00	2.00	12.	97.	10.	400.	0.3
				15984	22.00	24.00	2.00	13.	71.	10.	690.	0.4
				15985	24.00	26.00	2.00	15.	101.	18.	1800.	0.6
26.00	28.00		40% Limonitic quartz rich intrusive, minor white quartz stockwork.	15986	26.00	28.00	2.00	29.	114.	16.	2300.	0.6
28.00	58.00	INT	Limonitic quartz rich intrusive, lacks biotite, minor quartz stockwork.									
28.00	32.00		5% Light grey to white quartz feldspar porphyry - trace pyrite.	15987	28.00	30.00	2.00	120.	282.	24.	3100.	0.1
				15988	30.00	32.00	2.00	580.	503.	23.	3400.	0.2
				15989	32.00	34.00	2.00	32.	182.	35.	3900.	0.2
				15990	34.00	36.00	2.00	10.	153.	42.	2900.	0.1
36.00	38.00		15% Light grey to white quartz feldspar porphyry.	15991	36.00	38.00	2.00	830.	475.	22.	3400.	0.1
38.00	40.00		Redder colour, more limonitic.	15992	38.00	40.00	2.00	930.	605.	40.	1700.	0.6
				15993	40.00	42.00	2.00	250.	329.	31.	1600.	0.3
42.00	44.00		More limonitic rusty quartz.	15994	42.00	44.00	2.00	580.	836.	75.	2200.	0.3
44.00	50.00		No visible quartz stockwork.	15995	44.00	46.00	2.00	280.	377.	30.	2000.	0.3
				15996	46.00	48.00	2.00	123.	223.	37.	2900.	0.3
				15997	48.00	50.00	2.00	710.	547.	133.	3500.	0.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMNER CREEK
HOLE No. : BCRC 90-121

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				15998	50.00	52.00	2.00	470.	580.	82.	3400.	0.4
52.00	54.00		More limonitic moderate quartz stockwork trace to 1% pyrite.	15999	52.00	54.00	2.00	3380.	2352.	66.	4500.	0.7
54.00	58.00		Rusty quartz, moderate quartz stockwork.	16000	54.00	56.00	2.00	1260.	1569.	31.	4500.	1.0
				16001	56.00	58.00	2.00	300.	763.	30.	4700.	0.7
58.00	62.00	ARG	Dark black argillite with 5% limonitic intrusive.	16002	58.00	60.00	2.00	121.	367.	29.	8500.	2.0
				16003	60.00	62.00	2.00	69.	123.	17.	17200.	1.9

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-121
Grid System : ORIGINAL
Collar Eastings : 20776.410
Collar Northings : 19951.250
Collar Elevations : 1038.040
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 62.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	1.5			2		1.5														
4.00	6.00	1.5			2		1.5														
6.00	8.00	1.5			2		1.5														
8.00	10.00	1.5			2		1.5														
10.00	12.00	1.5			2		1.5														
12.00	14.00	1.5			3		1.5														
14.00	16.00	1.5			3		1.5														
16.00	18.00	1.5			3		1.5														
18.00	20.00	2			3		2	2													
20.00	22.00				2																
22.00	24.00				2																
24.00	26.00				2																
26.00	28.00				2																
28.00	30.00	2.5					3	4	1												
30.00	32.00	2.5			3		3	3	1												
32.00	34.00	2.5			3		3	3	1												
34.00	36.00	2.5			3		3	3	1												
36.00	38.00	2.5			3		3	3	1												
38.00	40.00	2.5			3		3	3	1												
40.00	42.00	2.5			3		3	4	1												
42.00	44.00	2.5			3		2	3	1												
44.00	46.00	2.5			4		2	3													
46.00	48.00	2.5			3		2	3													
48.00	50.00	2.5			3		2	3													
50.00	52.00	2.5			4		2	3	1												
52.00	54.00	3			4		3	4	2.5	1											
54.00	56.00	3			4		3	4	2												
56.00	58.00	3			4		3	4	2												

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-121

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
58.00	60.00				2																	
60.00	62.00				2																	

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCBC 90-122
Grid System : ORIGINAL
Collar Eastings : 20774.220
Collar Northings : 19922.540
Collar Elevations : 1033.270
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 76.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	22.00	F*INT	Limonitic quartz rich intrusive with black biotite books and clay alteration of feldspar phenocrysts.									
2.00	4.00		5% Black argillite.	16005	2.00	4.00	2.00	490.	216.	28.	2400.	0.3
				16006	4.00	6.00	2.00	45.	68.	19.	1600.	0.1
				16007	6.00	8.00	2.00	28.	50.	15.	2000.	0.1
				16008	8.00	10.00	2.00	200.	119.	20.	2200.	0.2
10.00	12.00		2% MnO2 staining.	16009	10.00	12.00	2.00	28.	51.	12.	1900.	0.1
				16010	12.00	14.00	2.00	32.	72.	18.	1400.	0.1
14.00	16.00		Very weathered rock.	16011	14.00	16.00	2.00	22.	100.	25.	830.	0.1
				16012	16.00	18.00	2.00	44.	148.	30.	750.	0.1
18.00	20.00		Lacks biotite.	16013	18.00	20.00	2.00	29.	298.	48.	2400.	0.1
20.00	22.00		Intrusive lacks biotite, 20% black argillite.	16014	20.00	22.00	2.00	94.	221.	53.	2700.	0.5
22.00	34.00	ARG	Black argillite with white quartz stockwork veining.									
22.00	24.00		3% Incompetant grey shale (/mudstone?).	16015	22.00	24.00	2.00	27.	60.	18.	1200.	0.5
24.00	26.00		40% Incompetant grey shale (/mudstone?).	16016	24.00	26.00	2.00	20.	17.	6.	1300.	0.1
26.00	28.00		15% Limonitic quartz rich intrusive.	16017	26.00	28.00	2.00	19.	106.	21.	1900.	0.4
			5% Incompetant grey shale (/mudstone?).	16018	28.00	30.00	2.00	75.	185.	28.	4800.	1.1
				16019	30.00	32.00	2.00	44.	106.	22.	7300.	1.3
32.00	34.00		30% Limonitic quartz rich intrusive with minor amounts of white quartz veining. Trace of pyrite in veining.	16020	32.00	34.00	2.00	31.	95.	22.	3800.	0.5
34.00	40.00	INT	Limonitic quartz rich intrusive.									
34.00	36.00		5% Black argillite.	16021	34.00	36.00	2.00	7.	48.	24.	1600.	0.1
36.00	38.00		15% Bleached intrusive with disseminated pyrite and 5% black argillite.	16022	36.00	38.00	2.00	92.	157.	11.	2700.	0.2
38.00	40.00		Trace of disseminated pyrite.	16023	38.00	40.00	2.00	121.	296.	20.	3000.	0.1
40.00	44.00	F*INT	Black biotite and quartz rich fresh int-	16024	40.00	42.00	2.00	29.	53.	4.	600.	0.1

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			rusive. Blue-grey / green in colour.									
42.00	44.00		20% Rusty quartz rich intrusive.	16025	42.00	44.00	2.00	19.	51.	9.	1400.	0.1
44.00	54.00	INT	Limonitic quartz rich intrusive.	16026	44.00	46.00	2.00	23.	74.	6.	2100.	0.3
46.00	48.00		5% white quartz with disseminated pyrite.	16027	46.00	48.00	2.00	172.	717.	11.	1800.	0.2
48.00	50.00		10% white quartz with disseminated pyrite. Some hematitic staining of quartz.	16028	48.00	50.00	2.00	270.	1149.	17.	2400.	0.1
50.00	52.00		Trace of disseminated pyrite in white quartz.	16029	50.00	52.00	2.00	19.	58.	26.	4300.	0.3
52.00	54.00		40% Black biotite, quartz rich intrusive.	16030	52.00	54.00	2.00	11.	41.	28.	1500.	0.2
54.00	64.00	F*INT	Fresh quartz rich intrusive with black biotite.	16031	54.00	56.00	2.00	32.	69.	11.	430.	0.1
56.00	58.00		40% Limonitic quartz rich intrusive with strongly clay altered feldspar phenocrysts.	16032	56.00	58.00	2.00	9.	39.	18.	580.	0.1
58.00	64.00		5-10% Limonitic quartz rich intrusive with strongly clay altered feldspar phenocrysts.	16033	58.00	60.00	2.00	17.	84.	37.	190.	0.1
				16034	60.00	62.00	2.00	19.	111.	32.	200.	0.1
				16035	62.00	64.00	2.00	53.	212.	40.	1100.	0.1
64.00	66.00	ARG	Black argillite with white quartz stockwork. Trace of limonitic intrusive.	16036	64.00	66.00	2.00	117.	159.	38.	2300.	0.9
66.00	74.00	INT	Limonitic porphyritic quartz rich intrusive with strongly clay altered feldspar phenocrysts.									
66.00	68.00		5% Black argillite.	16037	66.00	68.00	2.00	27.	155.	61.	4000.	0.3
				16038	68.00	70.00	2.00	12.	83.	97.	280.	0.1
70.00	72.00		Intrusive lacks biotite. Trace of disseminated pyrite. Abundant quartz eyes.	16039	70.00	72.00	2.00	31.	172.	73.	920.	0.3
72.00	74.00		10% Fresh blue-grey intrusive. 5% Black argillite. 80% Limonitic intrusive.	16040	72.00	74.00	2.00	8.	131.	77.	180.	0.2
74.00	76.00	ARG	Black argillite with white/grey quartz stockwork. 20% Limonitic intrusive with quartz eyes. Porphyritic, minor hematite staining.	16041	74.00	76.00	2.00	29.	108.	38.	5700.	2.4

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-122
Grid System : ORIGINAL
Collar Eastings : 20774.220
Collar Northings : 19922.540
Collar Elevations : 1033.270
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 76.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

GEOCHEMICAL SAMPLES												GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %		FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	3					2															
4.00	6.00	3					2															
6.00	8.00	3				1	2															
8.00	10.00	3					2															
10.00	12.00	3				1.5	2															
12.00	14.00	3				1.5	2															
14.00	16.00	3				1.5	1															
16.00	18.00	3				1.5	1															
18.00	20.00	3				1.5	2	2														
20.00	22.00	3				1.5	2	2														
22.00	24.00																					
24.00	26.00																					
26.00	28.00							2														
28.00	30.00																					
30.00	32.00																					
32.00	34.00				1			2														
34.00	36.00	3			3	2	1	2														
36.00	38.00	3			3	2	1	3	1-2													
38.00	40.00	3			4	2	1	2	TR													
40.00	42.00	3			4	1	TR															
42.00	44.00	3			4	1	TR															
44.00	46.00	3			4	1	1															
46.00	48.00	3			4	1	1	1	TR													
48.00	50.00	3			4	1	1	2	1													

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-122

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
50.00	52.00	3			4	1	1	TR		TR												
52.00	54.00	3			4	1	1															
54.00	56.00	2			4	1																
56.00	58.00	2			4	1	1															
58.00	60.00	2			3	1	2															
60.00	62.00	2			1	1	2	TR														
62.00	64.00	2			1	1	2	TR														
64.00	66.00							3														
66.00	68.00	3			2	1	2															
68.00	70.00	3			3	2	2			TR												
70.00	72.00	3			3	2	2			TR												
72.00	74.00	3			3	2	2	TR		TR-1												
74.00	76.00																					

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PAGE : 1

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-123
Grid System : ORIGINAL
Collar Eastings : 20775.580
Collar Northings : 19895.710
Collar Elevations : 1027.870
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 64.00
Claim No. :

Logged by : DANIELE HEON
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
2.00	50.00	INT	Limonitic siliceous intrusive with local biotite and quartz, generally no visible feldspar.	16042	2.00	4.00	2.00	125.	297.	58.	3100.	0.4
				16043	4.00	6.00	2.00	88.	324.	61.	2900.	0.3
				16044	6.00	8.00	2.00	68.	236.	32.	2700.	0.3
				16045	8.00	10.00	2.00	21.	125.	23.	1900.	0.2
				16046	10.00	12.00	2.00	36.	137.	28.	1500.	0.1
				16047	12.00	14.00	2.00	76.	301.	53.	2900.	0.2
14.00	18.00		1% White quartz with altered mica. Contains trace of grey sulphide.	16048	14.00	16.00	2.00	36.	197.	34.	3000.	0.3
				16049	16.00	18.00	2.00	10.	89.	13.	2200.	0.1
				16050	18.00	20.00	2.00	24.	45.	9.	2200.	0.1
20.00	22.00		1-2% White quartz with altered mica.	16051	20.00	22.00	2.00	30.	79.	16.	1500.	0.2
22.00	24.00		2-3% Grey intrusive.	16052	22.00	24.00	2.00	12.	39.	10.	490.	0.2
				16053	24.00	26.00	2.00	20.	71.	16.	760.	0.4
				16054	26.00	28.00	2.00	10.	56.	14.	700.	0.2
28.00	30.00		Porphyritic texture visible.	16055	28.00	30.00	2.00	10.	94.	25.	500.	0.1
30.00	32.00		5% Light grey intrusive with sericitized feldspar and less than 1% remnant pyrite.	16056	30.00	32.00	2.00	5.	80.	22.	620.	0.1
32.00	34.00		20% Black cherty argillite.	16057	32.00	34.00	2.00	12.	113.	21.	1200.	0.1
34.00	36.00		Red and black biotite. 1% quartz veining.	16058	34.00	36.00	2.00	28.	169.	32.	1100.	0.1
36.00	44.00		Very siliceous; black biotite; altered feldspar.	16059	36.00	38.00	2.00	9.	20.	8.	180.	0.1
				16060	38.00	40.00	2.00	8.	10.	4.	320.	0.1
				16061	40.00	42.00	2.00	7.	29.	13.	1100.	0.1
				16062	42.00	44.00	2.00	52.	131.	16.	730.	0.2
				16063	44.00	46.00	2.00	20.	101.	28.	700.	0.1
46.00	50.00		Porphyritic texture visible. Altered feldspar and mica.	16064	46.00	48.00	2.00	94.	216.	38.	1300.	0.1
				16065	48.00	50.00	2.00	64.	243.	52.	520.	0.2
50.00	64.00	F'INT	Grey biotite bearing siliceous intrusive. Altered feldspar within a porphyritic texture.									
50.00	52.00		20% Rusty intrusive.	16066	50.00	52.00	2.00	30.	74.	14.	180.	0.1
				16067	52.00	54.00	2.00	23.	20.	7.	60.	0.1
				16068	54.00	56.00	2.00	71.	39.	13.	120.	0.2
				16069	56.00	58.00	2.00	131.	63.	19.	360.	0.1
				16070	58.00	60.00	2.00	34.	26.	10.	70.	0.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-123

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
60.00	62.00		Trace of oxidized intrusive.	16071	60.00	62.00	2.00	13.	21.	8.	80.	0.2
				16072	62.00	64.00	2.00	12.	13.	2.	50.	0.1

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-123
Grid System : ORIGINAL
Collar Eastings : 20775.580
Collar Northings : 19895.710
Collar Elevations : 1027.870
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 64.00
Claim No. :

Logged by : DANIELE HEON
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sx %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.00	4.00	2					2																
4.00	6.00	2					3																
6.00	8.00	1.5				1	3	.5															
8.00	10.00	2.5			3	1.5	3																
10.00	12.00	2.5			3	2	3																
12.00	14.00	3				2.5	3	.5															
14.00	16.00	3				2	3			TR													
16.00	18.00	3			2.5	2.5	2			TR													
18.00	20.00	3			2.5	2.5	2																
20.00	22.00	3			3	2.5	2																
22.00	24.00	3			3	2	2																
24.00	26.00	3			2	2	2																
26.00	28.00	3			2	2.5	2																
28.00	30.00	2			1	2	3																
30.00	32.00	2			3	2	1																
32.00	34.00	2.5			1	2.5	2																
34.00	36.00	2				2	3	1															
36.00	38.00	3			2		2																
38.00	40.00	3			2.5		1.5																
40.00	42.00	2			2.5		2																
42.00	44.00	2.5			2	1	2																
44.00	46.00	2				1	3																
46.00	48.00	3				1	3																
48.00	50.00	1.5				1	3			TR													
50.00	52.00	2			2		2																
52.00	54.00	1.5			.5		1																
54.00	56.00	1			.5	.5	1																
56.00	58.00	1.5			2	.5	2																
58.00	60.00	1.5			1	.5	1																
60.00	62.00	1			3	.5	1																
62.00	64.00	2			3	1	1																

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-124
Grid System : ORIGINAL
Collar Eastings : 20734.670
Collar Northings : 19978.110
Collar Elevations : 1019.760
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : L. BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
2.00	8.00	ARG	Black argillite with white quartz stock-work.									
2.00	4.00		5% Limonitic quartz rich intrusive.	16073	2.00	4.00	2.00	236.	864.	94.	4300.	1.2
				16074	4.00	6.00	2.00	73.	559.	80.	3800.	0.9
6.00	8.00		5% Incompetant grey mudstone. 5% Limonitic quartz rich intrusive.	16075	6.00	8.00	2.00	270.	681.	89.	5200.	0.8
8.00	12.00	INT	Limonitic quartz rich intrusive with strongly clay altered feldspar phenocrysts.									
8.00	10.00		40% Black argillite.	16076	8.00	10.00	2.00	2440.	2242.	69.	3700.	1.2
				16077	10.00	12.00	2.00	3780.	2148.	576.	2600.	1.0
12.00	32.00	ARG	Black argillite mixed with incompetant grey mudstone.									
12.00	14.00		20% Limonitic porphyritic intrusive.	16078	12.00	14.00	2.00	1470.	709.	156.	2800.	1.0
14.00	16.00		30% Limonitic porphyritic intrusive.	16079	14.00	16.00	2.00	370.	434.	53.	2600.	0.5
16.00	18.00		30% Limonitic porphyritic intrusive with bleached chips and stockwork.	16080	16.00	18.00	2.00	182.	287.	40.	4600.	0.8
				16081	18.00	20.00	2.00	31.	215.	63.	5400.	2.3
20.00	22.00		5% Brown incompetant shale.	16082	20.00	22.00	2.00	26.	155.	19.	4100.	1.1
				16083	22.00	24.00	2.00	14.	94.	15.	2500.	2.0
				16084	24.00	26.00	2.00	7.	98.	18.	1100.	2.3
26.00	28.00		5% Grey chert.	16085	26.00	28.00	2.00	8.	62.	7.	3300.	1.9
				16086	28.00	30.00	2.00	10.	107.	8.	4600.	1.8
30.00	32.00		5% Grey incompetant mudstone.	16087	30.00	32.00	2.00	11.	93.	16.	2700.	1.2
32.00	40.00	BARITE	Bedded white barite.									
32.00	34.00		Trace of black argillite.	16088	32.00	34.00	2.00	6.	30.	5.	3700.	0.5
34.00	36.00		Trace of black argillite with white quartz stockwork.	16089	34.00	36.00	2.00	3.	21.	3.	1400.	0.3
				16090	36.00	38.00	2.00	6.	60.	11.	760.	0.2
38.00	40.00		Trace of black argillite.	16091	38.00	40.00	2.00	1.	20.	4.	320.	0.3

[illegible] EXPLORATION CO. LTD.

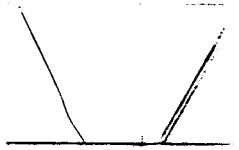
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-124
Grid System : ORIGINAL
Collar Eastings : 20734.670
Collar Northings : 19978.110
Collar Elevations : 1019.760
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : L. BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sr %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00								2													
4.00	6.00								1													
6.00	8.00							TR	1													
8.00	10.00	3			3	2.5		2	1													
10.00	12.00	3			4	2.5		2	1													
12.00	14.00				2																	
14.00	16.00							TR														
16.00	18.00				0.5			TR	1													
18.00	20.00								1													
20.00	22.00								1													
22.00	24.00								1													
24.00	26.00								1													
26.00	28.00								1													
28.00	30.00								1													
30.00	32.00								1													
32.00	34.00																					
34.00	36.00																					
36.00	38.00																					
38.00	40.00																					



NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-125
Grid System : ORIGINAL
Collar Eastings : 20735.370
Collar Northings : 19998.350
Collar Elevations : 1020.730
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 54.00
Claim No. :

Logged by : L. BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
2.00	8.00	INT	Limonitic porphyritic intrusive with strong clay alteration of the feldspar phenocrysts.									
2.00	4.00		Trace of black argillite.	16092	2.00	4.00	2.00	12.	89.	18.	1400.	0.1
4.00	6.00		Abundant quartz eyes.	16093	4.00	6.00	2.00	18.	115.	30.	1500.	0.1
6.00	8.00		5% Bleached white quartz with colourless silica stockwork.	16094	6.00	8.00	2.00	58.	432.	14.	2600.	0.5
8.00	20.00	ARG	Black argillite +/- white quartz stock-work.									
8.00	10.00		20% Bleached white quartz rich intrusive	16095	8.00	10.00	2.00	44.	123.	40.	3000.	1.0
			with quartz eyes.	16096	10.00	12.00	2.00	59.	107.	41.	3800.	1.2
				16097	12.00	14.00	2.00	18.	42.	9.	7300.	1.0
14.00	16.00		Hematitic staining of quartz stockwork.	16098	14.00	16.00	2.00	23.	118.	13.	5000.	1.9
				16099	16.00	18.00	2.00	14.	73.	5.	2400.	2.2
18.00	20.00		5% Incompetant grey mudstone.	16100	18.00	20.00	2.00	15.	225.	22.	3200.	1.7
20.00	36.00	BARITE	White bedded barite.									
20.00	22.00		30% Incompetant grey shale, 5% argillite.	16101	20.00	22.00	2.00	9.	129.	13.	2100.	0.6
22.00	24.00		20% Incompetant grey shale.	16102	22.00	24.00	2.00	9.	100.	26.	3000.	0.5
				16103	24.00	26.00	2.00	1.	25.	3.	1300.	0.1
				16104	26.00	28.00	2.00	1.	9.	2.	280.	0.1
				16105	28.00	30.00	2.00	2.	14.	2.	300.	0.1
				16106	30.00	32.00	2.00	5.	17.	2.	600.	0.1
				16107	32.00	34.00	2.00	2.	42.	7.	490.	0.1
34.00	36.00		10% Brown mudstone.	16108	34.00	36.00	2.00	3.	19.	4.	350.	0.1
36.00	40.00	SHALE	Calcareous grey incompetant shale/ mudstone?									
36.00	38.00		Sediment extremely quartz stockworked with a trace of pyrite. 10% Barite.	16109	36.00	38.00	2.00	6.	13.	5.	480.	0.7
38.00	40.00		5% Barite. Disseminated pyrite in stockworked sediment (shale/mudstone?)	16110	38.00	40.00	2.00	5.	51.	20.	8100.	1.2
40.00	44.00	ARG	Black argillite.									

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-125

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
40.00	42.00		20% Brown mudstone.	16111	40.00	42.00	2.00	5.	73.	21.	7000.	1.3
42.00	44.00		10% Grey shale.	16112	42.00	44.00	2.00	8.	96.	18.	4500.	0.7
44.00	50.00	SHALE	Grey shale.									
44.00	46.00		5% Brown mudstone.	16113	44.00	46.00	2.00	8.	123.	21.	5600.	1.1
46.00	48.00		Abundant limonite - pyritic.	16114	46.00	48.00	2.00	2.	91.	15.	2900.	0.2
48.00	50.00		Silicified.	16115	48.00	50.00	2.00	6.	111.	14.	3300.	0.8
50.00	54.00	ARG	Pyritic black argillite.	16116	50.00	52.00	2.00	4.	73.	15.	3100.	1.4
52.00	54.00		Abundant pyrite in white and limonitic stained quartz.	16117	52.00	54.00	2.00	23.	122.	20.	3500.	1.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-125
Grid System : ORIGINAL
Collar Eastings : 20735.370
Collar Northings : 19998.350
Collar Elevations : 1020.730
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 54.00
Claim No. :

Logged by : L. BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

FROM	TO	Arg	Sil	Serc	GEOCHEMICAL SAMPLES Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00	3				2	2	1		
4.00	6.00	3			2	2	2	1		
6.00	8.00	3			3	2	2	2		
8.00	10.00									
10.00	12.00									
12.00	14.00									
14.00	16.00									
16.00	18.00									
18.00	20.00									
20.00	22.00									
22.00	24.00									
24.00	26.00									
26.00	28.00									
28.00	30.00									
30.00	32.00									
32.00	34.00									
34.00	36.00				1					
36.00	38.00				3					1
38.00	40.00				3					1
40.00	42.00				3					
42.00	44.00				TR					
44.00	46.00									
46.00	48.00				3					2

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-125

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES												
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
48.00	50.00				3																		
50.00	52.00				3					1													
52.00	54.00				3					2-3													

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-126
Grid System : ORIGINAL
Collar Eastings : 20729.990
Collar Northings : 19842.680
Collar Elevations : 1083.470
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 70.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	42.00	F*INT	Fresh biotite rich intrusive. Green/ grey in colour.	16118	2.00	4.00	2.00	290.	237.	29.	1300.	0.1
				16119	4.00	6.00	2.00	16.	41.	3.	80.	0.1
				16120	6.00	8.00	2.00	21.	52.	3.	110.	0.2
				16121	8.00	10.00	2.00	15.	33.	10.	140.	0.2
				16122	10.00	12.00	2.00	12.	74.	9.	200.	0.1
				16123	12.00	14.00	2.00	126.	339.	35.	1300.	0.4
				16124	14.00	16.00	2.00	230.	330.	22.	2200.	0.1
				16125	16.00	18.00	2.00	57.	150.	9.	180.	0.1
				16126	18.00	20.00	2.00	20.	27.	2.	100.	0.1
20.00	22.00		Some hematitic staining present.	16127	20.00	22.00	2.00	27.	66.	8.	240.	0.1
				16128	22.00	24.00	2.00	41.	157.	17.	330.	0.1
				16129	24.00	26.00	2.00	104.	353.	25.	960.	0.1
				16130	26.00	28.00	2.00	280.	626.	45.	1200.	0.4
28.00	30.00		Hematitic staining present.	16131	28.00	30.00	2.00	76.	378.	44.	670.	0.2
30.00	32.00		20% Black argillite.	16132	30.00	32.00	2.00	43.	266.	39.	1300.	0.5
32.00	34.00		1-% Black argillite.	16133	32.00	34.00	2.00	21.	139.	24.	520.	0.3
34.00	36.00		Trace of argillite. Quartz eyes present. More limonitic.	16134	34.00	36.00	2.00	18.	154.	26.	320.	0.1
36.00	38.00		Pyritic - disseminated in the intrusive.	16135	36.00	38.00	2.00	11.	87.	18.	350.	0.1
38.00	40.00		Lacks biotite.	16136	38.00	40.00	2.00	9.	116.	30.	1300.	0.1
40.00	42.00		Lacks biotite; 20% black argillite.	16137	40.00	42.00	2.00	20.	166.	35.	1500.	0.3
42.00	64.00	ARG	Black argillite									
42.00	44.00		10% Limonitic intrusive.	16138	42.00	44.00	2.00	13.	98.	15.	3300.	1.7
44.00	46.00		5% Limonitic intrusive.	16139	44.00	46.00	2.00	11.	65.	13.	1500.	1.8
				16140	46.00	48.00	2.00	7.	57.	11.	1800.	2.1
				16141	48.00	50.00	2.00	5.	47.	14.	1500.	1.1
50.00	52.00		Rusty quartz present.	16142	50.00	52.00	2.00	3.	34.	10.	1200.	0.5
52.00	54.00		5% Limonitic stained quartz.	16143	52.00	54.00	2.00	3.	37.	8.	1700.	0.4
54.00	56.00		10% Limonitic stained quartz.	16144	54.00	56.00	2.00	48.	151.	14.	3000.	0.8
56.00	58.00		30% Limonitic intrusive; rich in black biotite.	16145	56.00	58.00	2.00	65.	276.	11.	1100.	0.3
58.00	64.00		10% Limonitic intrusive rich in black	16146	58.00	60.00	2.00	36.	184.	25.	4400.	2.7

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-126

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			biotite.	16147	60.00	62.00	2.00	46.	136.	16.	4800.	1.5
				16148	62.00	64.00	2.00	12.	102.	22.	1500.	0.5
64.00	70.00	F*INT	Limonitic grey green intrusive. Quartz rich with black biotite.									
64.00	70.00		5% Black argillite.	16149	64.00	66.00	2.00	6.	33.	4.	480.	0.1
				16150	66.00	68.00	2.00	5.	25.	12.	330.	0.1
				16151	68.00	70.00	2.00	2.	10.	5.	280.	0.1

BORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-126
Grid System : ORIGINAL
Collar Eastings : 20729.990
Collar Northings : 19842.600
Collar Elevations : 1003.470
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 70.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzCirCode %
2.00	4.00	2.5					1															
4.00	6.00	1.5			0.5		1															
6.00	8.00	1			0.5		2															
8.00	10.00	1			1.5		2															
10.00	12.00	1			1.5		2															
12.00	14.00	1					3															
14.00	16.00	1.5				1	3															
16.00	18.00	1.5			3		1															
18.00	20.00	1			3																	
20.00	22.00	1			3		3															
22.00	24.00	1			3		3															
24.00	26.00	2			3		3															
26.00	28.00	1			1		3															
28.00	30.00	1			1		3															
30.00	32.00	1			2	1.5	3															
32.00	34.00	1			2	1.5	3															
34.00	36.00	1			2.5	1	3-5	1														
36.00	38.00	1			2.5	1	3-5	1		TR												
38.00	40.00	1			2.5	2	3-5			TR												
40.00	42.00						3-5															
42.00	44.00																					
44.00	46.00																					
46.00	48.00																					
48.00	50.00																					
50.00	52.00																					
52.00	54.00																					
54.00	56.00																					
56.00	58.00																					
58.00	60.00																					
60.00	62.00																					
62.00	64.00				2																	

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-126

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
64.00	66.00	2.5			4	1	1															
66.00	68.00	2.5			4	1	1															
68.00	70.00	2.5			4	1	1															

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREMERY CREEK
HOLE No. : BCRC 90-127
Grid System : ORIGINAL
Collar Eastings : 20731.780
Collar Northings : 19861.500
Collar Elevations : 1808.390
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 70.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	4.00	ARG	Black argillite. 40% Limonitic intrusive.	16152	2.00	4.00	2.00	85.	203.	69.	2300.	0.8
4.00	24.00	INT	Limonitic quartz rich intrusive with clay altered feldspar phenocrysts.	16153	4.00	6.00	2.00	15.	61.	18.	1200.	0.2
				16154	6.00	8.00	2.00	420.	524.	25.	2200.	0.3
8.00	10.00		Hematitic stained quartz.	16155	8.00	10.00	2.00	520.	435.	21.	4800.	0.4
				16156	10.00	12.00	2.00	1400.	717.	22.	5400.	0.2
12.00	16.00		Hematitic stained quartz.	16157	12.00	14.00	2.00	5840.	2226.	33.	5500.	1.0
				16158	14.00	16.00	2.00	3090.	1730.	24.	4200.	0.9
				16159	16.00	18.00	2.00	4980.	2529.	29.	5100.	1.0
18.00	20.00		5% Bleached white intrusive.	16160	18.00	20.00	2.00	290.	623.	20.	2800.	0.2
20.00	22.00		40% Fresh green grey quartz rich intrusive with abundant black biotite.	16161	20.00	22.00	2.00	100.	365.	29.	430.	0.2
				16162	22.00	24.00	2.00	39.	404.	18.	460.	0.3
24.00	30.00	F*INT	Fresh, green grey intrusive with abundant black biotite.	16163	24.00	26.00	2.00	37.	443.	35.	230.	0.4
				16164	26.00	28.00	2.00	29.	543.	45.	460.	0.4
				16165	28.00	30.00	2.00	34.	585.	36.	290.	0.2
30.00	44.00	INT	Limonitic quartz rich intrusive.									
30.00	32.00		Lacks fresh black biotite.	16166	30.00	32.00	2.00	12.	592.	32.	660.	0.1
32.00	34.00		Contains abundant quartz eyes.	16167	32.00	34.00	2.00	30.	526.	63.	2300.	0.1
34.00	36.00		5% Pyritic white quartz; 5% argillite-black.	16168	34.00	36.00	2.00	162.	1050.	59.	2600.	0.3
36.00	38.00		5% Black argillite with abundant quartz eyes.	16169	36.00	38.00	2.00	54.	556.	53.	2300.	0.4
				16170	38.00	40.00	2.00	28.	236.	31.	1900.	0.2
40.00	42.00		White quartz with disseminated pyrite and stibnite present. Trace of black argillite.	16171	40.00	42.00	2.00	58.	361.	39.	2200.	0.4
42.00	44.00		Trace of black argillite; trace of disseminated pyrite in white quartz.	16172	42.00	44.00	2.00	31.	339.	38.	2500.	0.1
44.00	50.00	ARG	Black argillite.									
44.00	46.00		40% Limonitic intrusive.	16173	44.00	46.00	2.00	41.	296.	64.	5500.	0.7
46.00	48.00		20% Limonitic intrusive.	16174	46.00	48.00	2.00	70.	266.	74.	5400.	2.0

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMERY CREEK
HOLE No. : BCRC 90-127

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
48.00	50.00		10% Limonitic intrusive with abundant white quartz stockwork in the argillite.	16175	48.00	50.00	2.00	73.	182.	51.	5800.	3.7
50.00	64.00	INT	Limonitic quartz rich intrusive.									
50.00	52.00		30% Black argillite.	16176	50.00	52.00	2.00	30.	211.	28.	3500.	1.2
52.00	54.00		5% Black argillite; 5% bleached white intrusive with disseminated pyrite.	16177	52.00	54.00	2.00	13.	72.	13.	1600.	0.5
54.00	56.00		20% White quartz feldspar porphyry with disseminated pyrite; 5% black argillite.	16178	54.00	56.00	2.00	6.	32.	11.	1200.	0.3
56.00	58.00		Trace of stibnite. 20% Bleached white intrusive/quartz feldspar porphyry.	16179	56.00	58.00	2.00	2.	31.	11.	580.	0.2
58.00	60.00		5% Black argillite.	16180	58.00	60.00	2.00	45.	198.	24.	1500.	0.1
60.00	62.00		30% White quartz feldspar porphyry.	16181	60.00	62.00	2.00	32.	104.	21.	1050.	0.2
62.00	64.00		20% White quartz feldspar porphyry.	16182	62.00	64.00	2.00	4.	27.	19.	920.	0.2
64.00	68.00	QFP	White quartz feldspar porphyry.	16183	64.00	66.00	2.00	5.	32.	13.	1200.	0.3
				16184	66.00	68.00	2.00	3.	42.	17.	1600.	0.2
68.00	70.00	INT	Limonitic quartz rich intrusive with strongly clay altered feldspar phenocrysts. 5% White quartz feldspar porphyry present with trace amounts of disseminated pyrite.	16185	68.00	70.00	2.00	340.	322.	31.	1300.	0.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-127
Grid System : ORIGINAL
Collar Eastings : 20731.780
Collar Northings : 19861.500
Collar Elevations : 1008.390
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 70.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00						TR															
4.00	6.00	3				2	1															
6.00	8.00	3			0.5	3	1															
8.00	10.00	3			1	3	1															
10.00	12.00	3			3	1.5	1	1														
12.00	14.00	3			3	1.5	1	2														
14.00	16.00	3			3	1.5	1	1														
16.00	18.00	3			3	1.5	1	1														
18.00	20.00	3			3	1.5	1															
20.00	22.00	3			1	1.5	1	2														
22.00	24.00	3			1	1.5	1															
24.00	26.00	2					1															
26.00	28.00						1															
28.00	30.00	2					1															
30.00	32.00						1															
32.00	34.00	2				2	2															
34.00	36.00	2				2	2	1		TR-1												
36.00	38.00	2				2	2	1														
38.00	40.00				2	2	2	1														
40.00	42.00	2.5			2	2	2	2		1-2												
42.00	44.00	2.5			3	2	2	2		TR												
44.00	46.00						2															
46.00	48.00																					
48.00	50.00																					
50.00	52.00	2				2	2	1														
52.00	54.00	2.5			3	2	2	2		TR												

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sr %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
54.00	56.00	2.5			3	2	2	1	1-2													
56.00	58.00	2.5			3	2	2	1	TR													
58.00	60.00	2.5			3	2	2															
60.00	62.00	2.5			3	2	2															
62.00	64.00	2.5			4	1	2															
64.00	66.00	2			2	2	2	1														
66.00	68.00	2			2	2	1															
68.00	70.00	3			3	2	2		TR													

HORAMDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PAGE : 1

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-128
Grid System : ORIGINAL
Collar Eastings : 20681.370
Collar Northings : 20003.760
Collar Elevations : 999.790
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 46.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	4.00	INT	Limonitic porphyritic quartz rich intrusive with strongly clay altered feldspar phenocrysts.									
2.00	4.00		Piece of metal filing from a drill bit. 20% Black argillite; 10% grey shale.	16186	2.00	4.00	2.00	13.	235.	16.	870.	1.6
4.00	8.00	ARG	Black argillite with white quartz stockwork.									
4.00	6.00		20% Limonitic intrusive.	16187	4.00	6.00	2.00	10.	60.	15.	860.	0.9
6.00	8.00		Trace of incompetant grey shale.	16188	6.00	8.00	2.00	16.	158.	17.	1300.	0.8
8.00	16.00	INT	Limonitic quartz rich intrusive with strongly clay altered feldspar phenocrysts.									
8.00	10.00		Bleached white with quartz eyes.	16189	8.00	10.00	2.00	8.	142.	27.	510.	1.3
10.00	12.00		White quartz with grey disseminated stibnite/pyrite? Some bleached white intrusive.	16190	10.00	12.00	2.00	1.	55.	12.	900.	0.7
12.00	16.00		Bleached white with disseminated pyrite.	16191	12.00	14.00	2.00	5.	48.	10.	480.	0.4
				16192	14.00	16.00	2.00	1.	69.	12.	2200.	0.5
16.00	36.00	ARG	Black argillite with white quartz stockwork.									
16.00	18.00		10% Bleached white quartz rich intrusive.	16193	16.00	18.00	2.00	226.	153.	19.	2000.	0.9
				16194	18.00	20.00	2.00	90.	56.	16.	2800.	1.5
20.00	22.00		Extremely stockworked. Trace of limonitic intrusive.	16195	20.00	22.00	2.00	34.	28.	8.	2200.	1.3
				16196	22.00	24.00	2.00	77.	21.	5.	3600.	1.3
				16197	24.00	26.00	2.00	93.	37.	8.	3800.	1.7
				16198	26.00	28.00	2.00	31.	58.	7.	2900.	2.0
				16199	28.00	30.00	2.00	28.	58.	4.	2400.	2.4
				16200	30.00	32.00	2.00	32.	41.	6.	4500.	2.0
32.00	36.00		More silicified.	16201	32.00	34.00	2.00	50.	59.	6.	8500.	2.1
				16202	34.00	36.00	2.00	35.	111.	22.	5000.	1.4

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-128

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
36.00	44.00	QFP	Quartz feldspar porphyry.									
36.00	38.00		Very stockworked.	16203	36.00	38.00	2.00	48.	290.	132.	21000.	8.6
38.00	40.00		Bleached with disseminated pyrite.	16204	38.00	40.00	2.00	34.	353.	43.	3000.	0.7
40.00	44.00		30% Silicified grey shale some hematitic staining.	16205	40.00	42.00	2.00	37.	373.	50.	4300.	2.7
				16206	42.00	44.00	2.00	55.	396.	61.	3800.	2.5
44.00	46.00	BRECCI	Extremely brecciated grey sediments (argillite?) with disseminated pyrite.	16207	44.00	46.00	2.00	80.	311.	37.	3300.	2.8

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-128
Grid System : ORIGINAL
Collar Eastings : 20681.370
Collar Northings : 20003.760
Collar Elevations : 999.790
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 46.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	3			2	2	TR															
4.00	6.00							1														
6.00	8.00							1														
8.00	10.00	2				2.5	1	1														
10.00	12.00	3			2	2.5	1	3		TR												
12.00	14.00	3			2	2.5	1	1		1												
14.00	16.00	3			1	2.5	1	1		1												
16.00	18.00							1														
18.00	20.00							2														
20.00	22.00							3														
22.00	24.00							3														
24.00	26.00							3														
26.00	28.00							3														
28.00	30.00							3														
30.00	32.00							3														
32.00	34.00							3														
34.00	36.00																					
36.00	38.00	3			1	2	2	3														
38.00	40.00	3			3	2	1	1		TR												
40.00	42.00	3				2	1	1		TR												
42.00	44.00	3				2	1	1		TR												

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-128

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sr %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
44.00	46.00							3	1-2													

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PAGE : 1

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-129
Grid System : ORIGINAL
Collar Eastings : 20690.930
Collar Northings : 19978.500
Collar Elevations : 999.920
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 44.00
Claim No. :

Logged by : LENA K. BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	4.00	MUDST	Grey mudstone, incompetant.	16208	2.00	4.00	2.00	161.	281.	34.	2500.	0.8
4.00	12.00	INT	Limonitic porphyritic intrusive with moderately clay altered feldspar phenocrysts.									
4.00	6.00		5% Black argillite.	16209	4.00	6.00	2.00	24.	74.	12.	1100.	0.3
				16210	6.00	8.00	2.00	11.	43.	9.	1700.	0.1
				16211	8.00	10.00	2.00	13.	75.	21.	2200.	0.2
10.00	12.00		30% Black argillite with white quartz stockwork.	16212	10.00	12.00	2.00	9.	71.	18.	1600.	0.5
12.00	16.00	ARG	Black argillite with white quartz stockwork veining.	16213	12.00	14.00	2.00	43.	130.	22.	1100.	2.4
14.00	16.00		5% Rusty quartz.	16214	14.00	16.00	2.00	35.	297.	13.	900.	4.7
16.00	24.00	QFP	Pyritic quartz feldspar porphyry. White in colour.									
16.00	18.00		10% Black argillite.	16215	16.00	18.00	2.00	18.	892.	9.	1400.	3.6
18.00	22.00		Abundant quartz eyes.	16216	18.00	20.00	2.00	12.	507.	6.	1300.	1.1
				16217	20.00	22.00	2.00	3.	64.	10.	1500.	0.9
22.00	24.00		10% Black argillite.	16218	22.00	24.00	2.00	15.	104.	22.	3700.	0.9
24.00	40.00	ARG	Black argillite with white quartz stockwork.	16219	24.00	26.00	2.00	60.	57.	8.	6500.	2.1
				16220	26.00	28.00	2.00	115.	44.	8.	6800.	1.9
28.00	30.00		Limonitic stained quartz.	16221	28.00	30.00	2.00	23.	41.	10.	1050.	0.9
				16222	30.00	32.00	2.00	16.	46.	11.	1300.	0.6
				16223	32.00	34.00	2.00	17.	54.	16.	3500.	0.8
34.00	40.00		Increase in barite from 10 - 100%.	16224	34.00	36.00	2.00	20.	51.	26.	5000.	1.9
			Note: at 38-40 m: Remnant limonitic pyrite crystals.	16225	36.00	38.00	2.00	6.	54.	21.	10000.	4.3
				16226	38.00	40.00	2.00	15.	113.	22.	4500.	2.0
40.00	44.00	BARITE	White bedded barite.	16227	40.00	42.00	2.00	17.	91.	21.	3600.	1.2
				16228	42.00	44.00	2.00	4.	21.	13.	1300.	0.2

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREMNER CREEK
HOLE No. : BCRC 90-129
Grid System : ORIGINAL
Collar Eastings : 20690.930
Collar Northings : 19978.500
Collar Elevations : 999.920
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 44.00
Claim No. :

Logged by : LENA K. BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES

FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00									
4.00	6.00	2			3	2	3			
6.00	8.00	2			3	2	3			
8.00	10.00	2			3	2	3			
10.00	12.00	2			2	2	3	2		
12.00	14.00									
14.00	16.00						TR			
16.00	18.00	3			2	2	2	1		1-2
18.00	20.00	3			2	2	2	2		1-2
20.00	22.00	3			2	2	2	2		1-2
22.00	24.00	3			2	3	2	3		1-2
24.00	26.00									
26.00	28.00									
28.00	30.00									
30.00	32.00									
32.00	34.00									
34.00	36.00									
36.00	38.00									
38.00	40.00				1					TR
40.00	42.00									TR
42.00	44.00									

GEOTECHNICAL SAMPLES

FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-130
Grid System : ORIGINAL
Collar Eastings : 20688.900
Collar Northings : 19956.000
Collar Elevations : 998.520
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GORDON C. MacKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	10.00	ARG	Black cherty to silty argillite.									
2.00	4.00		Minor (<5%) limonitic altered intrusive.	16229	2.00	4.00	2.00	127.	450.	66.	6400.	1.6
			Minor white quartz veining.	16230	4.00	6.00	2.00	65.	530.	101.	7200.	1.0
				16231	6.00	8.00	2.00	44.	562.	99.	8900.	1.1
8.00	10.00		Orange limonite coatings on many argillite grains.	16232	8.00	10.00	2.00	96.	500.	67.	5400.	0.9
10.00	20.00	INT	Altered intrusive.									
10.00	12.00		20% Baritic argillite. Minor hematitic staining and relic biotite.	16233	10.00	12.00	2.00	770.	735.	49.	2800.	0.4
				16234	12.00	14.00	2.00	105.	551.	88.	1800.	0.3
			Note: colour becomes oranger towards 20 meters.	16235	14.00	16.00	2.00	460.	893.	153.	3000.	0.4
				16236	16.00	18.00	2.00	1820.	1819.	101.	4300.	0.8
				16237	18.00	20.00	2.00	2580.	1823.	141.	3800.	0.9
20.00	24.00	ARG	Black cherty argillite.									
20.00	22.00		Minor intrusive - <1%.	16238	20.00	22.00	2.00	580.	410.	29.	3100.	0.8
22.00	24.00		20% Altered intrusive.	16239	22.00	24.00	2.00	56.	106.	17.	1400.	0.6
24.00	28.00	INT	Altered intrusive, tan colour, relic biotite.	16240	24.00	26.00	2.00	7.	52.	11.	1300.	0.3
				16241	26.00	28.00	2.00	58.	242.	13.	1400.	0.3
28.00	32.00	ARG	Black cherty argillite. 20% Altered intrusive. Contains white and clear quartz veining.	16242	28.00	30.00	2.00	31.	161.	16.	2000.	1.9
				16243	30.00	32.00	2.00	34.	231.	19.	2100.	2.0
32.00	38.00	INT	Light coloured altered intrusive. Contains 4% pyrite; quartz eyes common. Very little intrusive texture.	16244	32.00	34.00	2.00	107.	729.	12.	620.	0.8
				16245	34.00	36.00	2.00	54.	302.	10.	1500.	0.7
				16246	36.00	38.00	2.00	13.	200.	10.	2200.	0.9
38.00	50.00	ARG	Black cherty argillite. Minor quartz veining.									
38.00	40.00		10% Altered intrusive.	16247	38.00	40.00	2.00	73.	221.	13.	7600.	2.9
				16248	40.00	42.00	2.00	27.	141.	12.	5800.	2.4

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-130

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				16249	42.00	44.00	2.00	12.	87.	9.	2700.	0.5
				16250	44.00	46.00	2.00	10.	70.	17.	2900.	0.6
				25001	46.00	48.00	2.00	13.	45.	13.	6000.	0.6
				25002	48.00	50.00	2.00	18.	98.	43.	7900.	3.2

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-130
Grid System : ORIGINAL
Collar Eastings : 20688.900
Collar Northings : 19956.000
Collar Elevations : 998.520
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GORDON C. MacKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES												GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %		FROM	TO	Reco-very %	Lim %	Break-age	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00				2			1														
4.00	6.00							1														
6.00	8.00							1														
8.00	10.00							1														
10.00	12.00	2.5					1.5	3	1													
12.00	14.00	2.5					1.5	3	1													
14.00	16.00	2.5					1.5	3	1													
16.00	18.00	2.5					1.5	3	1													
18.00	20.00	2.5					1.5	3	1													
20.00	22.00								1													
22.00	24.00				1.5																	
24.00	26.00	2			3		1.5	4	1.5													
26.00	28.00	2			3		1.5	4	1.5													
28.00	30.00				2				2													
30.00	32.00				1				2													
32.00	34.00	2			2		3	2	2		4											
34.00	36.00	2			3		3	2	2		4											
36.00	38.00	2			3		3	2	2		4											
38.00	40.00								1.5													
40.00	42.00								1.5													
42.00	44.00								1.5													
44.00	46.00								1.5													
46.00	48.00								1.5													
48.00	50.00																					

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-131
Grid System : ORIGINAL
Collar Eastings : 20687.300
Collar Northings : 19931.750
Collar Elevations : 1000.860
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GORDON C. MacKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	4.00	OVERBU	Mixed argillite/intrusive. Likely overburden.	25003	2.00	4.00	2.00	1860.	1413.	87.	3400.	1.5
4.00	10.00	INT	Altered intrusive. Orange tan. Remnant sulphides. Very faint intrusive texture. No feldspars left.	25004	4.00	6.00	2.00	980.	2235.	85.	2800.	1.2
				25005	6.00	8.00	2.00	1200.	2379.	84.	3000.	1.4
				25006	8.00	10.00	2.00	1010.	2290.	72.	2200.	1.0
10.00	24.00	ARG	Black cherty argillite with minor bedded grey green mudstone.									
10.00	12.00		20% above intrusive. Minor quartz stockwork.	25007	10.00	12.00	2.00	1410.	746.	51.	2600.	1.0
				25008	12.00	14.00	2.00	26.	155.	13.	7100.	0.9
				25009	14.00	16.00	2.00	190.	174.	10.	5300.	1.1
				25010	16.00	18.00	2.00	40.	104.	13.	3200.	1.5
				25011	18.00	20.00	2.00	28.	106.	14.	1100.	0.6
				25012	20.00	22.00	2.00	32.	97.	13.	1700.	0.5
				25013	22.00	24.00	2.00	15.	87.	14.	900.	1.5
24.00	32.00	INT	Altered intrusive. 2% remnant pyrite, vuggy quartz stockwork.									
24.00	26.00		50% Argillite.	25014	24.00	26.00	2.00	53.	298.	38.	2200.	0.5
26.00	30.00		Very strong reation to HCl.	25015	26.00	28.00	2.00	14.	92.	26.	620.	0.3
				25016	28.00	30.00	2.00	61.	165.	16.	1900.	0.4
30.00	32.00		10% Black argillite.	25017	30.00	32.00	2.00	57.	116.	25.	2400.	0.2
32.00	38.00	ARG	Black and brown grey argillite with minor quartz veining.	25018	32.00	34.00	2.00	138.	246.	20.	22000.	1.7
				25019	34.00	36.00	2.00	133.	238.	32.	15600.	3.7
36.00	38.00		20% Intrusive.	25020	36.00	38.00	2.00	220.	285.	30.	5800.	2.7
38.00	44.00	INT	Altered intrusive. Orange-tan. Relic biotite. Weak texture.	25021	38.00	40.00	2.00	126.	204.	21.	4300.	0.4
				25022	40.00	42.00	2.00	37.	136.	18.	2900.	0.3
				25023	42.00	44.00	2.00	27.	218.	14.	2300.	0.2
44.00	50.00	F*INT	Altered intrusive. Orange tan and green.	25024	44.00	46.00	2.00	35.	28.	13.	420.	0.3

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-131

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			Biotite: relic to very fresh. Extreme reaction to HCl. Note: Propylitic alteration.	25025	46.00	48.00	2.00	15.	21.	13.	170.	0.2
				25026	48.00	50.00	2.00	82.	160.	11.	160.	0.1

BORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PAGE : 1

PROPERTY : BREMNER CREEK
HOLE No. : BCRC 90-131
Grid System : ORIGINAL
Collar Eastings : 20687.300
Collar Northings : 19931.750
Collar Elevations : 1000.860
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GORDON C. MacKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sr %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2					3.5	4	1.5	4												
4.00	6.00	2				1	3.5	4	1.5	4												
6.00	8.00	1					3.5	4	1.5	4												
8.00	10.00	2					3.5	4	1.5	4												
10.00	12.00								2													
12.00	14.00								2													
14.00	16.00								1													
16.00	18.00								1													
18.00	20.00								1													
20.00	22.00								1													
22.00	24.00								2													
24.00	26.00	2					2.5	3	2	2												
26.00	28.00	2				3	2.5	3	2	2												
28.00	30.00	2				3.5	2.5	3	2	2												
30.00	32.00	2				1.5	2.5	3	1.5	2												
32.00	34.00						2.5	3	1.5													
34.00	36.00						2.5	3	1.5													
36.00	38.00						2.5	3	1.5													
38.00	40.00	2					2	3	1	1												
40.00	42.00	2					2	3	1	1												
42.00	44.00	2				2	2	3	1	1												
44.00	46.00	1				4	1	2	1													
46.00	48.00	1				4	1	2	1													
48.00	50.00	1				4	1	2	1													

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-132
Grid System : ORIGINAL
Collar Eastings : 20683.150
Collar Northings : 19909.000
Collar Elevations : 1001.240
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GORDON C. MacKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	18.00	INT	Limonitic altered intrusive. Remnant	25027	2.00	4.00	2.00	63.	205.	90.	4500.	0.7
			pyrite, very little intrusive texture.	25028	4.00	6.00	2.00	116.	295.	124.	2000.	0.2
			Rare clear quartz eyes.	25029	6.00	8.00	2.00	109.	610.	112.	1600.	0.1
				25030	8.00	10.00	2.00	1020.	970.	100.	2700.	0.3
				25031	10.00	12.00	2.00	1890.	1340.	62.	5000.	0.4
				25032	12.00	14.00	2.00	610.	944.	63.	3900.	0.2
				25033	14.00	16.00	2.00	99.	428.	36.	2000.	0.2
				25034	16.00	18.00	2.00	590.	833.	47.	2300.	0.4
18.00	24.00	ARG	Black cherty argillite with interbedded fine grained grey tuff (see DDH when drilled)									
18.00	20.00		35% Altered intrusive.	25035	18.00	20.00	2.00	2690.	1052.	49.	1500.	0.4
				25036	20.00	22.00	2.00	71.	179.	16.	1400.	0.3
				25037	22.00	24.00	2.00	1180.	535.	21.	1000.	0.9
24.00	34.00	INT	Limonitic altered intrusive with minor remnant sulphides.									
24.00	28.00		Reddish orange.	25038	24.00	26.00	2.00	1980.	1357.	29.	2200.	0.8
				25039	26.00	28.00	2.00	2290.	1728.	22.	2380.	0.7
28.00	34.00		Orange tan.	25040	28.00	30.00	2.00	350.	463.	23.	1500.	0.8
				25041	30.00	32.00	2.00	320.	340.	53.	2000.	0.6
				25042	32.00	34.00	2.00	1410.	621.	59.	1600.	0.8
34.00	50.00	ARG	Black cherty argillite.									
34.00	38.00		20% Altered intrusive.	25043	34.00	36.00	2.00	149.	138.	29.	2300.	0.1
				25044	36.00	38.00	2.00	132.	92.	43.	2300.	0.6
				25045	38.00	40.00	2.00	91.	55.	24.	2200.	0.8
				25046	40.00	42.00	2.00	55.	47.	36.	2500.	0.6
				25047	42.00	44.00	2.00	15.	19.	14.	2700.	0.7
				25048	44.00	46.00	2.00	66.	15.	13.	4500.	1.7
				25049	46.00	48.00	2.00	63.	45.	11.	5300.	1.5
				25050	48.00	50.00	2.00	64.	116.	17.	3900.	1.8

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-132
Grid System : ORIGINAL
Collar Eastings : 20683.150
Collar Northings : 19909.000
Collar Elevations : 1001.240
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GORDON C. MacKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES												GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %		FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.00	4.00	2					2.5	3	2															
4.00	6.00																							
6.00	8.00																							
8.00	10.00																							
10.00	12.00																							
12.00	14.00																							
14.00	16.00																							
16.00	18.00																							
18.00	20.00																							
20.00	22.00																							
22.00	24.00																							
24.00	26.00																							
26.00	28.00	2					2.5	4	2	1														
28.00	30.00																							
30.00	32.00																							
32.00	34.00																							
34.00	36.00																							
36.00	38.00																							
38.00	40.00																							
40.00	42.00																							
42.00	44.00																							
44.00	46.00																							
46.00	48.00																							
48.00	50.00																							

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-133
Grid System : ORIGINAL
Collar Eastings : 20685.150
Collar Northings : 19883.900
Collar Elevations : 1001.270
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GORDON C. MacKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	16.00	INT	Limonitic altered intrusive locally very	25051	2.00	4.00	2.00	99.	166.	18.	1300.	0.2
			calcareous.	25052	4.00	6.00	2.00	76.	164.	13.	1800.	0.3
6.00	8.00		Very calcareous.	25053	6.00	8.00	2.00	81.	159.	18.	1600.	0.3
				25054	8.00	10.00	2.00	92.	324.	28.	3100.	0.3
				25055	10.00	12.00	2.00	85.	288.	24.	5800.	0.4
				25056	12.00	14.00	2.00	440.	595.	32.	4600.	0.3
				25057	14.00	16.00	2.00	62.	183.	24.	5200.	0.3
16.00	18.00	INT	50% Limonitic altered intrusive with very little texture. 50% White altered intrusive.	25058	16.00	18.00	2.00	94.	256.	21.	5000.	0.3
18.00	32.00	INT	Altered intrusive; relic biotite,	25059	18.00	20.00	2.00	108.	295.	20.	3300.	0.3
			up to 1% pyrite. Varying degrees of oxida-	25060	20.00	22.00	2.00	138.	239.	8.	900.	0.2
			tion: from 60% to 90%.	25061	22.00	24.00	2.00	173.	196.	6.	370.	0.1
				25062	24.00	26.00	2.00	121.	307.	18.	580.	0.1
				25063	26.00	28.00	2.00	230.	1043.	46.	2100.	0.6
				25064	28.00	30.00	2.00	46.	298.	14.	1500.	0.5
30.00	32.00		10% Black cherty argillite.	25065	30.00	32.00	2.00	420.	1429.	39.	1600.	0.8
32.00	34.00	ARG	60% Black cherty argillite.	25066	32.00	34.00	2.00	126.	385.	19.	1400.	0.5
34.00	46.00	INT	Limonitic altered intrusive.									
34.00	36.00		20% Fine grained silty sediment.	25067	34.00	36.00	2.00	38.	276.	14.	800.	0.3
				25068	36.00	38.00	2.00	147.	619.	21.	1100.	0.4
				25069	38.00	40.00	2.00	68.	268.	25.	1500.	0.3
				25070	40.00	42.00	2.00	820.	1646.	38.	1100.	0.6
				25071	42.00	44.00	2.00	67.	292.	14.	560.	0.1
44.00	46.00		20% Black argillite.	25072	44.00	46.00	2.00	37.	212.	17.	510.	0.4
46.00	52.00	ARG	Black cherty argillite.	25073	46.00	48.00	2.00	28.	153.	23.	560.	0.4
				25074	48.00	50.00	2.00	18.	51.	12.	500.	0.3
				25075	50.00	52.00	2.00	20.	40.	10.	680.	0.3

BOKANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-133
Grid System : ORIGINAL
Collar Eastings : 20685.150
Collar Northings : 19883.900
Collar Elevations : 1001.270
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

PAGE : 1

Logged by : GORDON C. MacRAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2					2.5	3	2													
4.00	6.00	2					2.5	3	2													
6.00	8.00	2			3		2.5	3	2													
8.00	10.00	2			1		2.5	3	2													
10.00	12.00	2					2.5	3	3													
12.00	14.00	2			2		2.5	3	2													
14.00	16.00	2			2.5		2.5	3	2													
16.00	18.00	3			2		1	1	2	1												
18.00	20.00	2			2		2	2	1	1												
20.00	22.00	2			3		2	2	1	1												
22.00	24.00	2			3		2	2	1	1												
24.00	26.00	2			3		2	2	1	1												
26.00	28.00	2			1.5		2	2	1	1												
28.00	30.00	2			2.5		2	2	1	1												
30.00	32.00																					
32.00	34.00																					
34.00	36.00	2					2	3	1													
36.00	38.00	2			2		2	3	1													
38.00	40.00	2			2.5		2	3	1													
40.00	42.00	2			2.5		2	3	1													
42.00	44.00	2			3		2	3	1													
44.00	46.00				1																	
46.00	48.00																					
48.00	50.00																					
50.00	52.00																					

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-134
Grid System : ORIGINAL
Collar Eastings : 21016.400
Collar Northings : 19982.100
Collar Elevations : 1065.350
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 46.00
Claim No. :

Logged by : GORDON C. MacKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	10.00	INT	Altered intrusive, very quartz rich. 1-2% pyrite. Light orange tan colour.									
2.00	4.00		Black argillite.	25076	2.00	4.00	2.00	4680.	1179.	81.	3300.	5.5
				25077	4.00	6.00	2.00	4770.	3050.	157.	2500.	1.9
				25078	6.00	8.00	2.00	8730.	3764.	207.	3800.	5.2
8.00	10.00		30% Black argillite.	25079	8.00	10.00	2.00	3390.	1251.	6574.	9600.	2.6
10.00	26.00	ARG	Black argillite.	25080	10.00	12.00	2.00	250.	711.	408.	5100.	0.4
				25081	12.00	14.00	2.00	113.	444.	81.	4300.	0.5
				25082	14.00	16.00	2.00	102.	261.	42.	4000.	0.6
16.00	24.00		5% White calcite veining.	25083	16.00	18.00	2.00	34.	86.	18.	2400.	0.2
				25084	18.00	20.00	2.00	24.	74.	15.	2200.	0.7
				25085	20.00	22.00	2.00	42.	70.	16.	2700.	0.5
				25086	22.00	24.00	2.00	27.	83.	12.	2400.	0.3
24.00	26.00		5% White calcite veining. 20% Orange altered intrusive.	25087	24.00	26.00	2.00	86.	415.	21.	5700.	1.5
26.00	32.00	INT	Orange-tan limonitic altered intrusive with 2% relic pyrite.									
26.00	28.00		20% Black argillite.	25088	26.00	28.00	2.00	54.	1087.	19.	8300.	1.5
28.00	30.00		50% Black argillite.	25089	28.00	30.00	2.00	270.	814.	15.	3200.	0.7
30.00	32.00		50% Black argillite.	25090	30.00	32.00	2.00	320.	675.	22.	3300.	2.0
32.00	46.00	SED	Tan to green, fine grained, sucrosic, quartz rich sediment. Locally up to 10% disseminated pyrite.	25091	32.00	34.00	2.00	78.	185.	17.	2800.	1.3
				25092	34.00	36.00	2.00	62.	144.	9.	580.	0.8
				25093	36.00	38.00	2.00	40.	92.	7.	450.	0.7
				25094	38.00	40.00	2.00	35.	53.	7.	280.	0.5
				25095	40.00	42.00	2.00	38.	60.	12.	2100.	0.8
				25096	42.00	44.00	2.00	13.	35.	6.	460.	0.4
				25097	44.00	46.00	2.00	20.	33.	9.	240.	0.9

[illegible] EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-134
Grid System : ORIGINAL
Collar Eastings : 21016.400
Collar Northings : 19982.100
Collar Elevations : 1065.350
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 46.00
Claim No. :

Logged by : GORDON C. MacKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

GEOCHEMICAL SAMPLES												GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %		FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2					3	2		2													
4.00	6.00	2					3	2		2													
6.00	8.00	2					3	2		2													
8.00	10.00	2					3	2		2													
10.00	12.00																						
12.00	14.00																						
14.00	16.00				4																		
16.00	18.00				4																		
18.00	20.00				4																		
20.00	22.00				4																		
22.00	24.00				4																		
24.00	26.00				4																		
26.00	28.00	2			4		3	4	2														
28.00	30.00	2			4		3	4	2														
30.00	32.00	2			4		3	4	2														
32.00	34.00				4																		
34.00	36.00				4																		
36.00	38.00				4																		
38.00	40.00				4																		
40.00	42.00				4																		
42.00	44.00				4																		
44.00	46.00				4																		

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-135
Grid System : ORIGINAL
Collar Eastings : 21018.640
Collar Northings : 19964.520
Collar Elevations : 1059.710
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GORDON C. MacKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	20.00	INT	Light orange-tan altered intrusive. Very quartz rich. 5% Bleached white chips.	25098	2.00	4.00	2.00	460.	1044.	77.	4500.	0.5
				25099	4.00	6.00	2.00	700.	1057.	4813.	4300.	0.4
				25100	6.00	8.00	2.00	880.	1502.	1522.	4100.	0.6
				25101	8.00	10.00	2.00	81.	855.	502.	3300.	0.4
				25102	10.00	12.00	2.00	84.	837.	409.	1700.	0.2
				25103	12.00	14.00	2.00	1360.	2631.	158.	1900.	0.6
				25104	14.00	16.00	2.00	125.	1451.	248.	5100.	0.4
				25105	16.00	18.00	2.00	200.	2001.	559.	3200.	0.8
18.00	20.00		Very orange.	25106	18.00	20.00	2.00	2590.	2723.	797.	3500.	2.7
20.00	28.00	ARG	Cherty black argillite with 2% quartz veining.									
20.00	22.00		Minor altered intrusive.	25107	20.00	22.00	2.00	8170.	2005.	288.	7100.	8.5
22.00	24.00		30% Altered intrusive.	25108	22.00	24.00	2.00	460.	1139.	149.	7300.	1.9
				25109	24.00	26.00	2.00	105.	227.	37.	3600.	0.6
26.00	28.00		10% Altered intrusive.	25110	26.00	28.00	2.00	320.	298.	19.	4300.	1.4
28.00	30.00	INT	Orange-tan altered intrusive. Minor relic biotite.	25111	28.00	30.00	2.00	1820.	2283.	26.	4400.	1.8
30.00	32.00	ARG	Cherty black argillite.	25112	30.00	32.00	2.00	75.	380.	23.	2600.	2.4
32.00	34.00	INT	Altered intrusive; minor fresh biotite. 5% pyrite in select chips.	25113	32.00	34.00	2.00	34.	370.	23.	1100.	0.4
34.00	50.00	ARG	Blue-grey very quartz rich sediment or tuff, locally up to 10% pyrite, interbedded with cherty black argillite.	25114	34.00	36.00	2.00	41.	211.	25.	660.	0.6
				25115	36.00	38.00	2.00	45.	68.	15.	230.	0.4
				25116	38.00	40.00	2.00	17.	31.	11.	110.	0.3
				25117	40.00	42.00	2.00	18.	38.	6.	140.	0.8
				25118	42.00	44.00	2.00	9.	22.	9.	80.	0.4
				25119	44.00	46.00	2.00	23.	80.	15.	110.	1.9
				25120	46.00	48.00	2.00	29.	113.	38.	200.	3.1
48.00	50.00		70% Black argillite.	25121	48.00	50.00	2.00	190.	585.	230.	350.	6.2

BUKANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-135
Grid System : ORIGINAL
Collar Eastings : 21018.640
Collar Northings : 19964.520
Collar Elevations : 1059.710
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GORDON C. MacRAE
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.00	4.00	2			3	3	2.5	2	1														
4.00	6.00	2			3	3	2.5	2	1														
6.00	8.00	2			1.5	3	2.5	2	1														
8.00	10.00	2				3	2.5	2	1														
10.00	12.00	2				3	2.5	2	1														
12.00	14.00	2				3	2.5	2	1														
14.00	16.00	2				3	2.5	2	1														
16.00	18.00	2			3	3	2.5	2	1														
18.00	20.00	2				3	3	3	1														
20.00	22.00							1.5															
22.00	24.00																						
24.00	26.00																						
26.00	28.00																						
28.00	30.00	2				2.5	3	1	1														
30.00	32.00	2			3	2		2															
32.00	34.00				2.5		2	1	4														
34.00	36.00				2.5			1	2														
36.00	38.00				3			1	2														
38.00	40.00				2			1	2														
40.00	42.00							1	2														
42.00	44.00							1	2														
44.00	46.00							1	2														
46.00	48.00				1.5			1	2														
48.00	50.00				1.5			1															

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-136
Grid System : ORIGINAL
Collar Eastings : 21062.170
Collar Northings : 19945.580
Collar Elevations : 1055.660
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GORDON C. MacKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	32.00	INT	Limonitic altered intrusive. Minor relic biotite. Remnant pyrite.	25122	2.00	4.00	2.00	99.	1088.	74.	4800.	0.3
				25123	4.00	6.00	2.00	285.	967.	70.	2800.	0.4
				25124	6.00	8.00	2.00	22.	596.	73.	3400.	0.1
				25125	8.00	10.00	2.00	206.	777.	45.	5200.	0.3
10.00	22.00		Pervasively, moderately calcareous.	25126	10.00	12.00	2.00	81.	712.	46.	7100.	0.3
				25127	12.00	14.00	2.00	1083.	1141.	90.	6200.	0.4
				25128	14.00	16.00	2.00	2090.	1420.	60.	7500.	0.6
				25129	16.00	18.00	2.00	950.	1157.	86.	7800.	0.3
				25130	18.00	20.00	2.00	257.	799.	94.	7400.	0.1
				25131	20.00	22.00	2.00	665.	1150.	149.	6800.	0.3
				25132	22.00	24.00	2.00	912.	1438.	73.	5400.	1.1
				25133	24.00	26.00	2.00	1558.	1113.	49.	2300.	1.7
				25134	26.00	28.00	2.00	1786.	1056.	32.	2800.	1.8
				25135	28.00	30.00	2.00	1682.	1113.	35.	4800.	2.7
30.00	32.00		5% Black cherty argillite with translucent white quartz veining.	25136	30.00	32.00	2.00	3306.	2092.	143.	8600.	5.3
32.00	46.00	ARG	Black cherty argillite. Minor quartz veining. 2% Altered intrusive chips.	25137	32.00	34.00	2.00	1017.	480.	49.	9500.	4.7
				25138	34.00	36.00	2.00	931.	513.	50.	8200.	6.2
				25139	36.00	38.00	2.00	551.	256.	35.	8800.	4.9
				25140	38.00	40.00	2.00	81.	172.	35.	13200.	6.4
				25141	40.00	42.00	2.00	67.	185.	34.	10800.	4.9
				25142	42.00	44.00	2.00	73.	172.	43.	11800.	2.3
				25143	44.00	46.00	2.00	81.	116.	22.	6400.	2.4
46.00	50.00	ARG	Black and grey cherty argillite mixed with tan, sucrosic sediment or tuff?	25144	46.00	48.00	2.00	83.	89.	125.	2100.	2.8
				25145	48.00	50.00	2.00	23.	32.	47.	380.	1.0

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-136
Grid System : ORIGINAL
Collar Eastings : 21062.170
Collar Northings : 19945.580
Collar Elevations : 1055.660
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

PAGE : 1

Logged by : GORDON C. MacKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES												GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %		FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2					2.5	3	1	1													
4.00	6.00	2					2.5	3	1	1													
6.00	8.00	2					2.5	3	1	1													
8.00	10.00	2					2.5	3	1	1													
10.00	12.00	2				2.5	2.5	3	1	1													
12.00	14.00	2				2	2.5	3	1	1													
14.00	16.00	2				2.5	2.5	3	1	1													
16.00	18.00	2				3	2.5	3	1	1													
18.00	20.00	2				3	2.5	3	1	1													
20.00	22.00	2				2.5	2.5	3	1	1													
22.00	24.00	2					2.5	3	1	1													
24.00	26.00	2					2.5	3	1	1													
26.00	28.00	2					2.5	3	1	1													
28.00	30.00	2				1	2.5	3	1	1													
30.00	32.00	2					2.5	3	1	1													
32.00	34.00																						
34.00	36.00																						
36.00	38.00																						
38.00	40.00																						
40.00	42.00																						
42.00	44.00																						
44.00	46.00																						
46.00	48.00																						
48.00	50.00																						

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-137
Grid System : ORIGINAL
Collar Eastings : 21061.630
Collar Northings : 19923.680
Collar Elevations : 1049.760
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GORDON C. MacKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	10.00	INT	Limonitic altered intrusive with minor relic biotite (bleached). 1% Oxidized pyrite.									
2.00	4.00		20% Black argillite.	25146	2.00	4.00	2.00	247.	570.	34.	3700.	0.4
				25147	4.00	6.00	2.00	48.	215.	42.	540.	0.1
				25148	6.00	8.00	2.00	138.	166.	24.	750.	0.2
				25149	8.00	10.00	2.00	21.	183.	28.	320.	0.3
10.00	18.00	F*INT	Green fine grained intrusive with fresh black biotite. Moderate propylitic alteration.	25150	10.00	12.00	2.00	62.	156.	39.	330.	0.3
				25151	12.00	14.00	2.00	10.	60.	34.	120.	0.2
				25152	14.00	16.00	2.00	8.	71.	83.	180.	0.3
				25153	16.00	18.00	2.00	1.	806.	58.	5100.	0.4
18.00	20.00	INT	Limonitic altered intrusive with 4% remnant pyrite.	25154	18.00	20.00	2.00	180.	830.	43.	2900.	0.9
20.00	22.00	ARG	Black cherty argillite with 30% limonitic altered intrusive. Pervasive, moderate, reaction to HCl.	25155	20.00	22.00	2.00	1160.	885.	45.	5200.	1.6
22.00	32.00	INT	Limonitic altered intrusive. Pervasive moderate reation to HCl.	25156	22.00	24.00	2.00	78.	338.	19.	4500.	0.3
				25157	24.00	26.00	2.00	29.	233.	22.	2900.	0.4
				25158	26.00	28.00	2.00	1.	338.	24.	2700.	0.4
				25159	28.00	30.00	2.00	35.	309.	35.	2100.	0.4
				25160	30.00	32.00	2.00	53.	354.	28.	3300.	0.6
32.00	36.00	F*INT	Green, fine grained intrusive with fresh black biotite. Moderate propylitic alteration.	25161	32.00	34.00	2.00	30.	252.	20.	1400.	0.2
				25162	34.00	36.00	2.00	29.	114.	20.	1200.	0.2
36.00	40.00	INT	Limonitic altered intrusive.	25163	36.00	38.00	2.00	3.	213.	61.	4300.	0.1
				25164	38.00	40.00	2.00	1.	326.	80.	2300.	0.3
40.00	49.00	F*INT	Green intrusive with fresh biotite.	25165	40.00	42.00	2.00	4.	129.	99.	290.	0.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-137

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			Moderate propylitic alteration.	25166	42.00	44.00	2.00	6.	111.	62.	100.	0.3
				25167	44.00	46.00	2.00	14.	99.	48.	110.	0.2
				25168	46.00	48.00	2.00	23.	133.	62.	280.	0.3
				25169	48.00	50.00	2.00	9.	122.	54.	650.	0.9
49.00	50.00	ARG	Black cherty argillite.	25170	50.00	52.00	2.00	1.	92.	30.	560.	1.6

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-137
Grid System : ORIGINAL
Collar Eastings : 21061.630
Collar Northings : 19923.680
Collar Elevations : 1049.760
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GORDON C. MacKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	1.5				2	2		1													
4.00	6.00	1.5			2	2	2		1													
6.00	8.00	1.5			2	2	2		1													
8.00	10.00	1.5			1	2	2	1	1													
10.00	12.00						1	1	1													
12.00	14.00				1.5		1	1	1													
14.00	16.00				1.5		1	1	1													
16.00	18.00				1		1	1	1													
18.00	20.00	2			2	3	4	2	4													
20.00	22.00				1.5																	
22.00	24.00	2			2.5	2	2	1	1													
24.00	26.00	2			2.5	2	2	1	1													
26.00	28.00	2			2.5	2	2	1	1													
28.00	30.00	2			2	2	2	1	1													
30.00	32.00	2			2.5	2	2	1	1													
32.00	34.00				2.5		1		1													
34.00	36.00				2.5		1		1													
36.00	38.00	2			2.5	2	3	1	1													
38.00	40.00	2			2	2	3	1	1													
40.00	42.00	1			1	2	1	1.5	1													
42.00	44.00	1			2	2	1	1.5	1													
44.00	46.00	1			2	2	1	1.5	1													
46.00	48.00	1			2	2	1	1.5	1													
48.00	50.00																					
50.00	52.00																					

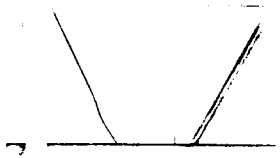
MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-138
Grid System : ORIGINAL
Collar Eastings : 21062.610
Collar Northings : 19833.320
Collar Elevations : 1011.520
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GORDON C. MacKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	20.00	INT	Fine grained, oxidized, altered intrusive. Relic biotite.	25171	2.00	4.00	2.00	270.	1215.	214.	4880.	0.6
				25172	4.00	6.00	2.00	98.	423.	127.	3600.	0.4
				25173	6.00	8.00	2.00	88.	186.	94.	2200.	0.3
				25174	8.00	10.00	2.00	25.	174.	58.	1600.	0.7
10.00	14.00		20% Unoxidized bleached white grey.	25175	10.00	12.00	2.00	33.	233.	63.	3300.	1.6
				25176	12.00	14.00	2.00	34.	194.	56.	2700.	0.7
				25177	14.00	16.00	2.00	37.	320.	66.	2500.	0.2
				25178	16.00	18.00	2.00	22.	182.	39.	1050.	0.2
				25179	18.00	20.00	2.00	14.	65.	32.	350.	0.3
20.00	24.00	P*INT	Light blueish green fairly fresh intrusive with moderate propylitic alteration.	25180	20.00	22.00	2.00	9.	65.	24.	200.	0.3
				25181	22.00	24.00	2.00	8.	70.	20.	750.	0.1
24.00	36.00	INT	Altered intrusive. Mixed limonitic and bleached. NOTE: Limonitic intrusive varies from 10% at 24-26 meters to 90% at 34-36 meters. Bleached intrusive varies from 90% to 10% over the same interval. Bleached intrusive is white with very little remnant intrusive texture. 1% Disseminated sulphides; 90% quartz.	25182	24.00	26.00	2.00	30.	184.	12.	1500.	0.1
				25183	26.00	28.00	2.00	22.	172.	14.	2900.	0.2
				25184	28.00	30.00	2.00	15.	54.	12.	3200.	0.1
				25185	30.00	32.00	2.00	66.	281.	12.	3400.	0.4
				25186	32.00	34.00	2.00	9.	70.	6.	5800.	0.1
				25187	34.00	36.00	2.00	8.	21.	6.	4200.	0.1
36.00	50.00	P*INT	Fresh blueish grey biotite rich intrusive with moderate propylitic alteration.	25188	36.00	38.00	2.00	30.	134.	14.	3300.	0.4
				25189	38.00	40.00	2.00	14.	30.	9.	390.	0.2
				25190	40.00	42.00	2.00	27.	54.	18.	300.	0.1
				25191	42.00	44.00	2.00	12.	22.	10.	130.	0.1
				25192	44.00	46.00	2.00	25.	27.	9.	200.	0.1
				25193	46.00	48.00	2.00	15.	58.	17.	230.	0.1
				25194	48.00	50.00	2.00	27.	42.	21.	180.	0.1



NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-138
Grid System : ORIGINAL
Collar Eastings : 21062.610
Collar Northings : 19833.320
Collar Elevations : 1011.520
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GORDON C. MacRAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES												GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %		FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	1					1.5	2	1	1													
4.00	6.00	1					1.5	2	1	1													
6.00	8.00	1					1.5	2	1	1													
8.00	10.00	1				1	1.5	2	1	1													
10.00	12.00	1				1.5	1.5	2	1	1													
12.00	14.00	1				2	1.5	2	1	1													
14.00	16.00	1				1.5	1.5	2	1	1													
16.00	18.00	1					1.5	2	1	1													
18.00	20.00	1					1.5	2	1	1													
20.00	22.00					2																	
22.00	24.00					2																	
24.00	26.00	2					2	1	?	1													
26.00	28.00	2					2	1	?	1													
28.00	30.00	2					2	1	?	1													
30.00	32.00	2					2	1	?	1													
32.00	34.00	2					2	1	?	1													
34.00	36.00	2					2	1	?	1													
36.00	38.00																						
38.00	40.00					2																	
40.00	42.00					2																	
42.00	44.00					2																	
44.00	46.00					2																	
46.00	48.00					2																	
48.00	50.00					2																	

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-139
Grid System : ORIGINAL
Collar Eastings : 21066.800
Collar Northings : 19813.140
Collar Elevations : 1003.580
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GORDON C. MacRAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	4.00	OVERBU	Mixed lithologies (overburden).	25195	2.00	4.00	2.00	900.	1102.	339.	1800.	0.6
4.00	30.00	INT	Limonitic quartz rich altered intrusive.	25196	4.00	6.00	2.00	1650.	1570.	559.	1900.	2.0
			Relic biotite, 1-2% remnant pyrite, per-	25197	6.00	8.00	2.00	1120.	1478.	376.	2400.	1.5
			vasively oxidized.	25198	8.00	10.00	2.00	5280.	3789.	481.	1800.	1.3
10.00	16.00		10% Of chips exibit strong hematite stain.	25199	10.00	12.00	2.00	3810.	3561.	1076.	1600.	0.9
				25200	12.00	14.00	2.00	1180.	2390.	292.	1700.	0.6
				25201	14.00	16.00	2.00	1750.	3572.	301.	1600.	0.5
16.00	18.00		20% Black argillite.	25202	16.00	18.00	2.00	1320.	2271.	278.	2500.	0.8
				25203	18.00	20.00	2.00	650.	1761.	1784.	4400.	0.7
				25204	20.00	22.00	2.00	3150.	3174.	6340.	5800.	0.8
				25205	22.00	24.00	2.00	4930.	4584.	7405.	3900.	1.0
				25206	24.00	26.00	2.00	3130.	3339.	841.	2800.	1.3
				25207	26.00	28.00	2.00	3335.	2333.	1059.	2500.	0.7
				25208	28.00	30.00	2.00	3040.	2140.	1669.	4780.	0.6
30.00	34.00	INT	80% Unoxidized altered intrusive. 4% pyrite, 20% strongly limonite stained intrusive.	25209	30.00	32.00	2.00	4969.	2881.	1747.	5200.	0.9
32.00	34.00		Black argillite.	25210	32.00	34.00	2.00	4978.	2911.	3211.	4200.	1.3
34.00	36.00	ARG	Black cherty argillite. 20% Altered intrusive.	25211	34.00	36.00	2.00	10013.	4133.	759.	2800.	1.9
36.00	44.00	INT	Moderately oxidized, weakly limonitic altered intrusive.									
36.00	38.00		10% Black argillite.	25212	36.00	38.00	2.00	2793.	1176.	118.	2300.	0.8
				25213	38.00	40.00	2.00	276.	236.	82.	4800.	0.2
				25214	40.00	42.00	2.00	371.	315.	180.	4300.	0.4
42.00	44.00		Fresh intrusive.	25215	42.00	44.00	2.00	136.	181.	66.	4100.	0.1
44.00	50.00	INT	Bleached, white, altered intrusive with	25216	44.00	46.00	2.00	83.	87.	40.	4200.	0.1
			relic biotite and altered feldspar	25217	46.00	48.00	2.00	51.	58.	26.	4300.	0.1

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-139

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			phenocrysts. Trace of pyrite.	25218	48.00	50.00	2.00	48.	103.	27.	5400.	0.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-139
Grid System : ORIGINAL
Collar Eastings : 21066.800
Collar Northings : 19813.140
Collar Elevations : 1083.580
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

PAGE : 1

Logged by : GORDON C. MacKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00																					
4.00	6.00	1					2.5	2	1	1-2												
6.00	8.00	1					2.5	2	1	1-2												
8.00	10.00	1			1.5		2.5	3	1	1-2												
10.00	12.00	2			2		2.5	3	1	1-2												
12.00	14.00	2			2		2.5	3	1	1-2												
14.00	16.00	2			2.5		2.5	3	1	1-2												
16.00	18.00	2					2.5	2.5	1	1-2												
18.00	20.00	2					2.5	2.5	1	1-2												
20.00	22.00	2					2.5	2.5	1	1-2												
22.00	24.00	2					2.5	2.5	1	1-2												
24.00	26.00	2			.5		2.5	2.5	1	1-2												
26.00	28.00	2			1		2.5	2.5	1	1-2												
28.00	30.00	2			1.5		2.5	2.5	1	1-2												
30.00	32.00	2			1		3	2	2.5	4												
32.00	34.00	2			1		3	2	2.5	4												
34.00	36.00				1				2													
36.00	38.00	2			1		2	.5	2	.5												
38.00	40.00	2			1.5		2	.5	2	.5												
40.00	42.00	2					2	.5	2	.5												
42.00	44.00	2					2	.5	2	.5												
44.00	46.00	2.5					1.5	.5	.5	tr												
46.00	48.00	2.5					1.5	.5	.5	tr												
48.00	50.00	2.5					1.5	.5	.5	tr												

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-140
Grid System : ORIGINAL
Collar Eastings : 21176.660
Collar Northings : 19958.400
Collar Elevations : 1058.800
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GORDON C. MacKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	4.00	OVERBU	Mixed lithologies.	25219	2.00	4.00	2.00	580.	1184.	65.	6300.	0.7
4.00	12.00	INT	Weakly limonitic quartz rich oxidized altered intrusive with a trace of relic biotite.	25220	4.00	6.00	2.00	2499.	1373.	25.	9700.	0.3
				25221	6.00	8.00	2.00	2594.	2526.	14.	9200.	0.7
				25222	8.00	10.00	2.00	6688.	3705.	30.	9500.	1.9
				25223	10.00	12.00	2.00	2499.	2783.	24.	7200.	0.8
12.00	16.00	INT	Quartz rich altered intrusive with 2% chlorite. Weakly oxidized.	25224	12.00	14.00	2.00	27360.	9130.	39.	9300.	5.1
14.00	16.00		20% Black argillite.	25225	14.00	16.00	2.00	7648.	8289.	23.	6600.	2.8
16.00	18.00	ARG	Black cherty argillite.	25226	16.00	18.00	2.00	789.	2375.	27.	6500.	3.7
18.00	22.00	INT	Limonitic altered intrusive with a trace of remnant pyrite.	25227	18.00	20.00	2.00	504.	1018.	14.	2600.	1.0
20.00	22.00		5% Black argillite.	25228	20.00	22.00	2.00	1188.	731.	14.	3500.	1.5
22.00	28.00	ARG	Black cherty argillite.	25229	22.00	24.00	2.00	152.	240.	18.	8400.	1.5
				25230	24.00	26.00	2.00	78.	172.	15.	10800.	1.7
				25231	26.00	28.00	2.00	599.	217.	8.	4700.	1.7
28.00	30.00	INT	Oxidized limonitic altered intrusive.	25232	28.00	30.00	2.00	817.	1414.	23.	6800.	1.1
30.00	36.00	SED	Greenish grey cherty sediment or tuff?	25233	30.00	32.00	2.00	105.	257.	8.	740.	0.6
32.00	34.00		50% Black cherty argillite.	25234	32.00	34.00	2.00	54.	118.	15.	360.	0.7
34.00	36.00		40% Fresh intrusive.	25235	34.00	36.00	2.00	46.	49.	11.	130.	0.5
36.00	38.00	F*INT	Oxidized fresh intrusive.	25236	36.00	38.00	2.00	31.	152.	9.	250.	0.3
38.00	48.00	SED	Greenish grey cherty sediment.	25237	38.00	40.00	2.00	62.	189.	15.	480.	0.7
				25238	40.00	42.00	2.00	28.	74.	10.	220.	0.5
42.00	48.00		50% Black argillite.	25239	42.00	44.00	2.00	20.	53.	10.	180.	0.5
				25240	44.00	46.00	2.00	35.	94.	13.	1400.	1.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-140

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				25241	46.00	48.00	2.00	33.	80.	10.	1200.	1.0
48.00	52.00	MIXED	Altered intrusive, grey green sediment, black cherty argillite.									
48.00	50.00		60% Intrusive, 20% grey green sediment, 20% black argillite.	25242	48.00	50.00	2.00	24.	255.	9.	3800.	0.8
50.00	52.00		20% Intrusive, 30% grey green sediment, 50% black argillite.	25243	50.00	52.00	2.00	73.	285.	16.	3300.	2.4

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-140
Grid System : ORIGINAL
Collar Eastings : 21176.660
Collar Northings : 19958.400
Collar Elevations : 1058.800
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GORDON C. MacKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00																					
4.00	6.00	2.5					2.5	2														
6.00	8.00	2.5					2.5	2														
8.00	10.00	2.5					2.5	2														
10.00	12.00	2.5					2.5	2														
12.00	14.00	2.5					3	0.5														
14.00	16.00	2.5					3	0.5														
16.00	18.00							0.5														
18.00	20.00	2					2	2		TR												
20.00	22.00	2					2	2		TR												
22.00	24.00							0.5														
24.00	26.00							0.5														
26.00	28.00							0.5														
28.00	30.00	2					2	2.5		.5												
30.00	32.00								2													
32.00	34.00								2													
34.00	36.00																					
36.00	38.00				1																	
38.00	40.00				1.5																	
40.00	42.00																					
42.00	44.00																					
44.00	46.00																					
46.00	48.00																					
48.00	50.00																					
50.00	52.00																					

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-141
Grid System : ORIGINAL
Collar Eastings : 21178.890
Collar Northings : 19931.320
Collar Elevations : 1054.920
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GORDON C. MacKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing									
2.00	6.00	INT	Limonitic altered intrusive. Minor relic biotite, trace remnant pyrite.	25244	2.00	4.00	2.00	40.	524.	18.	4300.	0.1
				25245	4.00	6.00	2.00	12.	484.	15.	3600.	0.1
6.00	8.00	F*INT	Blueish grey, weakly oxidized, Biotite rich intrusive.	25246	6.00	8.00	2.00	57.	116.	13.	800.	0.1
8.00	14.00	INT	Limonitic altered intrusive.	25247	8.00	10.00	2.00	56.	446.	15.	4500.	0.1
				25248	10.00	12.00	2.00	7.	177.	12.	2800.	0.1
				25249	12.00	14.00	2.00	10.	97.	10.	2300.	0.1
14.00	16.00	F*INT	Blueish grey, weakly oxidized, Biotite rich intrusive.	25250	14.00	16.00	2.00	11.	43.	13.	540.	0.1
16.00	20.00	INT	Limonitic altered intrusive. Relic biotite	25251	16.00	18.00	2.00	7.	105.	13.	4000.	0.1
				25252	18.00	20.00	2.00	12.	272.	22.	4300.	0.1
20.00	22.00	F*INT	Blueish grey, weakly oxidized, Biotite rich intrusive.	25253	20.00	22.00	2.00	9.	90.	12.	1300.	0.1
22.00	48.00	INT	Limonitic altered intrusive, relic biotite, trace remnant pyrite.	25254	22.00	24.00	2.00	9.	180.	18.	4600.	0.1
24.00	26.00		5% bleached intrusive.	25255	24.00	26.00	2.00	9.	306.	17.	5400.	0.1
				25256	26.00	28.00	2.00	32.	603.	24.	3600.	0.1
				25257	28.00	30.00	2.00	198.	864.	21.	4200.	0.1
				25258	30.00	32.00	2.00	288.	972.	28.	4600.	0.3
32.00	34.00		5% bleached intrusive.	25259	32.00	34.00	2.00	1782.	2286.	133.	9000.	0.8
				25260	34.00	36.00	2.00	2862.	3620.	65.	10400.	0.7
				25261	36.00	38.00	2.00	2682.	3087.	134.	11000.	0.8
				25262	38.00	40.00	2.00	252.	973.	86.	9300.	0.1
				25263	40.00	42.00	2.00	2034.	3195.	86.	25000.	0.9
42.00	44.00		Hematite stain.	25264	42.00	44.00	2.00	6255.	7297.	358.	45000.	1.9
				25265	44.00	46.00	2.00	1467.	2474.	186.	5100.	1.8
				25266	46.00	48.00	2.00	63.	685.	73.	4600.	0.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-141

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
48.00	52.00	F*INT	Blueish grey biotite rich intrusive. Weak propylitic alteration.	25267	48.00	50.00	2.00	48.	493.	51.	540.	0.1
				25268	50.00	52.00	2.00	198.	468.	33.	560.	0.1

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-141
Grid System : ORIGINAL
Collar Eastings : 21178.890
Collar Northings : 19931.320
Collar Elevations : 1054.920
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GORDON C. MacKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2			.5	2	2	.5		tr												
4.00	6.00	2				2	2	.5		tr												
6.00	8.00				1		.5															
8.00	10.00	2			1	2	2			tr												
10.00	12.00	2			1	2	2			tr												
12.00	14.00	2			2.5	2	2			tr												
14.00	16.00				2.5		.5															
16.00	18.00	2			2.5	2				tr												
18.00	20.00	2			2	2	2			tr												
20.00	22.00				2		2															
22.00	24.00	2			1.5	1.5	2			tr												
24.00	26.00	2			1.5	1.5	2			tr												
26.00	28.00	2				1.5	2			tr												
28.00	30.00	2				1.5	2			tr												
30.00	32.00	2			1	1.5	2			tr												
32.00	34.00	2			2	1.5	2			tr												
34.00	36.00	2				1.5	2			tr												
36.00	38.00	2				1.5	2			tr												
38.00	40.00	2				1.5	2			tr												
40.00	42.00	2				1.5	2			tr												
42.00	44.00	2				1.5	3			tr												
44.00	46.00	2				1.5	2															
46.00	48.00	2				1.5	2															
48.00	50.00				.5																	
50.00	52.00				1.5																	

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-142
Grid System : ORIGINAL
Collar Eastings : 21178.090
Collar Northings : 19915.930
Collar Elevations : 1053.950
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GORDON C. MacKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	Casing	Casing.									
2.00	6.00	Mixed	Mixed: Limonitic altered intrusive and black cherty argillite with quartz stockwork. 50-50.	25269	2.00	4.00	2.00	26.	111.	19.	2600.	0.6
				25270	4.00	6.00	2.00	594.	1410.	27.	4800.	1.5
6.00	40.00	INT	Limonitic quartz rich altered intrusive. Relic biotite, 1% remnant pyrite.									
6.00	10.00		Hematitic stain.	25271	6.00	8.00	2.00	2727.	3882.	31.	5400.	1.3
				25272	8.00	10.00	2.00	2430.	3817.	73.	5000.	1.6
				25273	10.00	12.00	2.00	1467.	2107.	52.	5600.	0.9
				25274	12.00	14.00	2.00	864.	2043.	38.	5400.	0.7
				25275	14.00	16.00	2.00	270.	552.	47.	3300.	0.2
				25276	16.00	18.00	2.00	48.	730.	74.	3600.	0.1
				25277	18.00	20.00	2.00	23.	243.	31.	4000.	0.1
				25278	20.00	22.00	2.00	33.	705.	79.	4400.	0.1
				25279	22.00	24.00	2.00	1.	317.	41.	7500.	0.1
				25280	24.00	26.00	2.00	3.	307.	53.	5400.	0.1
				25281	26.00	28.00	2.00	67.	355.	46.	4600.	0.3
				25282	28.00	30.00	2.00	540.	768.	34.	3800.	0.1
30.00	32.00		10% F*INT	25283	30.00	32.00	2.00	55.	161.	19.	620.	0.1
				25284	32.00	34.00	2.00	27.	136.	24.	1050.	0.1
				25285	34.00	36.00	2.00	240.	803.	24.	1900.	0.2
				25286	36.00	38.00	2.00	450.	710.	13.	1100.	0.1
38.00	40.00		20% F*INT	25287	38.00	40.00	2.00	129.	342.	12.	880.	0.1
40.00	50.00	F*INT	Blueish grey Biotite rich 'Fresh' intrusive. Weak propylitic alteration.	25288	40.00	42.00	2.00	11.	69.	13.	150.	0.1
				25289	42.00	44.00	2.00	11.	44.	13.	110.	0.1
				25290	44.00	46.00	2.00	3.	54.	16.	130.	0.1
				25291	46.00	48.00	2.00	15.	35.	11.	150.	0.1
				25292	48.00	50.00	2.00	4.	57.	15.	160.	0.1

[illegible] EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-142
Grid System : ORIGINAL
Collar Eastings : 21178.090
Collar Northings : 19915.930
Collar Elevations : 1053.950
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GORDON C. MacKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.00	4.00	2				2	2	1.5															
4.00	6.00	2				2	2	1.5															
6.00	8.00	2				2	3.5	1	1														
8.00	10.00	2				2	3.5	1	1														
10.00	12.00	2			1	2	3		tr														
12.00	14.00	2				2	3		tr														
14.00	16.00	2				2	3		tr														
16.00	18.00	2				2	2		tr														
18.00	20.00	2				2	2		tr														
20.00	22.00	2				2	2		tr														
22.00	24.00	2			.5	2	2		tr														
24.00	26.00	2				2	2		tr														
26.00	28.00	2				2	2		tr														
28.00	30.00	2				2	2		tr														
30.00	32.00	2			1.5	2	2		tr														
32.00	34.00	2			1.5	2	2		tr														
34.00	36.00	2			2	2	2		tr														
36.00	38.00	2			3.5	2	2		tr														
38.00	40.00	2			1.5	2	2		tr														
40.00	42.00				1.5																		
42.00	44.00				1																		
44.00	46.00				1																		
46.00	48.00				1																		
48.00	50.00				1.5																		

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-143
Grid System : ORIGINAL
Collar Eastings : 22041.230
Collar Northings : 19947.660
Collar Elevations : 969.420
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GORDON C. MacKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	6.00	INT	Limonitic altered intrusive, quartz rich.	25293	2.00	4.00	2.00	270.	967.	43.	5600.	0.8
				25294	4.00	6.00	2.00	1990.	1505.	34.	6800.	0.9
6.00	14.00	ARG	Black cherty argillite with interbeds of dark, soft mudstone; 3% white quartz stockwork.									
6.00	8.00		40% Altered intrusive.	25295	6.00	8.00	2.00	2600.	2042.	56.	7200.	1.1
				25296	8.00	10.00	2.00	116.	761.	34.	3500.	0.9
				25297	10.00	12.00	2.00	3940.	2046.	96.	4300.	4.1
				25298	12.00	14.00	2.00	7830.	3648.	232.	4600.	2.5
14.00	24.00	INT	Limonitic, quartz rich, altered intrusive unit. Contains occasional quartz eyes and quartz stockwork. Hematitic limonite.									
14.00	18.00		40% Black cherty argillite.	25299	14.00	16.00	2.00	8830.	2477.	644.	10000.	1.9
				25300	16.00	18.00	2.00	3120.	1570.	229.	6500.	1.1
18.00	22.00		5% Bleached intrusive.	25301	18.00	20.00	2.00	4390.	2904.	271.	12000.	1.0
				25302	20.00	22.00	2.00	9960.	5995.	171.	13000.	1.8
				25303	22.00	24.00	2.00	10010.	6386.	372.	940.	1.6
24.00	50.00	ARG	Black cherty argillite with quartz stockwork (white) and interbeds of incompetant mudstone.	25304	24.00	26.00	2.00	2380.	1462.	40.	4200.	0.9
				25305	26.00	28.00	2.00	500.	551.	24.	3300.	0.8
				25306	28.00	30.00	2.00	230.	638.	24.	3500.	0.2
				25307	30.00	32.00	2.00	360.	904.	25.	4900.	0.4
				25308	32.00	34.00	2.00	170.	864.	22.	4500.	0.6
				25309	34.00	36.00	2.00	45.	316.	17.	1600.	0.1
				25310	36.00	38.00	2.00	124.	89.	20.	2300.	0.5
				25311	38.00	40.00	2.00	85.	96.	17.	3800.	0.7
				25312	40.00	42.00	2.00	66.	135.	20.	5600.	0.4
				25313	42.00	44.00	2.00	64.	139.	16.	2200.	0.1
				25314	44.00	46.00	2.00	30.	228.	14.	2400.	0.1
				25315	46.00	48.00	2.00	30.	319.	18.	1600.	0.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-143

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				25316	48.00	50.00	2.00	26.	153.	15.	1700.	0.1

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-143
Grid System : ORIGINAL
Collar Eastings : 22041.230
Collar Northings : 19947.660
Collar Elevations : 969.420
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GORDON C. MacKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2.5				2	2	1														
4.00	6.00	2.5				2	2	1														
6.00	8.00							2														
8.00	10.00							2														
10.00	12.00							2														
12.00	14.00							2														
14.00	16.00	2				3	4	2														
16.00	18.00	2				3	4	2														
18.00	20.00	2				3	4	2														
20.00	22.00	2				3	4	2														
22.00	24.00	2				3	4	2														
24.00	26.00							1														
26.00	28.00							1														
28.00	30.00							1														
30.00	32.00							1														
32.00	34.00							1														
34.00	36.00							1														
36.00	38.00							1														
38.00	40.00							1														
40.00	42.00																					
42.00	44.00																					
44.00	46.00																					
46.00	48.00																					
48.00	50.00																					

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-144
Grid System : ORIGINAL
Collar Eastings : 22040.700
Collar Northings : 19973.350
Collar Elevations : 967.230
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GORDON C. MacRAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	10.00	INT	Limonitic altered intrusive. Minor relic biotite with rare quartz eyes, manganese stain.	25317	2.00	4.00	2.00	55.	124.	31.	4200.	0.1
				25318	4.00	6.00	2.00	34.	134.	23.	3300.	0.1
				25319	6.00	8.00	2.00	15.	204.	30.	2300.	0.1
8.00	10.00		20% Interbedded(?) cherty black argillite and grey incompetant mudstone.	25320	8.00	10.00	2.00	17.	171.	24.	1400.	0.1
10.00	16.00	ARG	Cherty black argillite with 30% grey incompetant mudstone.	25321	10.00	12.00	2.00	11.	61.	11.	460.	0.2
				25322	12.00	14.00	2.00	6.	39.	8.	300.	0.5
				25323	14.00	16.00	2.00	7.	40.	6.	180.	0.2
16.00	20.00	INT	Limonitic altered intrusive.	25324	16.00	18.00	2.00	9.	42.	2.	140.	0.1
				25325	18.00	20.00	2.00	7.	149.	3.	170.	0.1
20.00	36.00	ARG	Cherty black argillite with interbeds of grey incompetant mudstone.	25326	20.00	22.00	2.00	6.	37.	4.	210.	0.1
				25327	22.00	24.00	2.00	4.	30.	6.	290.	0.1
				25328	24.00	26.00	2.00	3.	32.	5.	380.	0.1
				25329	26.00	28.00	2.00	7.	41.	5.	800.	0.2
				25330	28.00	30.00	2.00	16.	54.	6.	1500.	0.1
				25331	30.00	32.00	2.00	58.	125.	6.	1800.	0.2
				25332	32.00	34.00	2.00	4.	43.	2.	1400.	0.1
				25333	34.00	36.00	2.00	3.	50.	3.	1200.	0.6
36.00	46.00	ARG	Silty black argillite.	25334	36.00	38.00	2.00	10.	44.	7.	1400.	1.7
				25335	38.00	40.00	2.00	3.	59.	3.	660.	0.2
				25336	40.00	42.00	2.00	6.	28.	7.	480.	0.4
				25337	42.00	44.00	2.00	2.	41.	4.	430.	0.2
				25338	44.00	46.00	2.00	5.	59.	10.	500.	0.5
46.00	50.00	ARG	Silty black argillite with extensive quartz veining and silicification. 4% pyrite locally up to 60% pyrite. Clear quartz with approximately 5% disseminated pyrite.	25339	46.00	48.00	2.00	5.	72.	11.	680.	0.5
				25340	48.00	50.00	2.00	9.	69.	10.	540.	0.5

BOHANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-144
Grid System : ORIGINAL
Collar Eastings : 22040.700
Collar Northings : 19973.350
Collar Elevations : 967.230
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GORDON C. MacKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2					2.5	3	1.5	2												
4.00	6.00	2					2.5	3	1.5	2												
6.00	8.00	2					2.5	3	1.5	2												
8.00	10.00	2					2.5	3	1.5	2												
10.00	12.00																					
12.00	14.00																					
14.00	16.00																					
16.00	18.00	2			2	2	2			1												
18.00	20.00	2			2	2	2			1												
20.00	22.00																					
22.00	24.00																					
24.00	26.00																					
26.00	28.00																					
28.00	30.00																					
30.00	32.00																					
32.00	34.00																					
34.00	36.00																					
36.00	38.00																					
38.00	40.00																					
40.00	42.00																					
42.00	44.00																					
44.00	46.00																					
46.00	48.00							2.5	4													
48.00	50.00							2.5	2													

MORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-145
Grid System : ORIGINAL
Collar Eastings : 22039.500
Collar Northings : 19927.200
Collar Elevations : 969.460
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GORDON C. MacKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	6.00	F*INT	Fresh porphyritic intrusive which contains biotite within a weakly altered and oxidized matrix.	25341	2.00	4.00	2.00	220.	106.	12.	330.	0.1
				25342	4.00	6.00	2.00	3.	39.	8.	130.	0.1
6.00	12.00	INT	Limonitic altered intrusive. Minor relic biotite. 2-3% remnant pyrite.									
6.00	8.00		10% Fresh intrusive.	25343	6.00	8.00	2.00	42.	102.	33.	1500.	0.1
				25344	8.00	10.00	2.00	35.	157.	46.	2300.	0.1
				25345	10.00	12.00	2.00	45.	155.	35.	1800.	0.1
12.00	22.00	ARG	Cherty black argillite with interbedded incompetant grey mudstone. Minor quartz stockwork.	25346	12.00	14.00	2.00	26.	232.	34.	2400.	0.2
				25347	14.00	16.00	2.00	20.	217.	32.	2800.	0.5
				25348	16.00	18.00	2.00	71.	241.	52.	1800.	0.2
				25349	18.00	20.00	2.00	560.	245.	17.	3600.	1.7
20.00	22.00		10% Altered intrusive.	25350	20.00	22.00	2.00	960.	1034.	40.	16000.	1.8
22.00	50.00	INT	Limonitic altered intrusive with minor relic biotite. Quartz rich with up to 4% remnant pyrite.	25351	22.00	24.00	2.00	450.	1934.	42.	14000.	1.6
				25352	24.00	26.00	2.00	47.	414.	33.	11000.	0.8
				25353	26.00	28.00	2.00	330.	914.	61.	2800.	0.2
				25354	28.00	30.00	2.00	35.	309.	42.	4700.	0.1
				25355	30.00	32.00	2.00	240.	570.	61.	7600.	0.1
				25356	32.00	34.00	2.00	4.	120.	33.	5400.	0.1
				25357	34.00	36.00	2.00	6.	178.	51.	4800.	0.1
36.00	38.00		5% Bleached intrusive.	25358	36.00	38.00	2.00	16.	622.	291.	4600.	0.2
				25359	38.00	40.00	2.00	46.	450.	130.	3700.	0.2
				25360	40.00	42.00	2.00	1030.	1866.	72.	3800.	0.9
				25361	42.00	44.00	2.00	1150.	2216.	432.	4200.	0.4
44.00	46.00		25% Bleached quartz rich intrusive with disseminated pyrite.	25362	44.00	46.00	2.00	26.	480.	71.	4900.	0.1
				25363	46.00	48.00	2.00	720.	3136.	712.	4700.	0.6
48.00	50.00		5% Bleached intrusive.	25364	48.00	50.00	2.00	560.	2029.	329.	5400.	0.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-145
Grid System : ORIGINAL
Collar Eastings : 22039.500
Collar Northings : 19927.200
Collar Elevations : 969.460
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GORDON C. MacKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

GEOCHEMICAL SAMPLES

FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00						0.5			
4.00	6.00						0.5			
6.00	8.00	2				2.5	2	1	2-3	
8.00	10.00	2			0.5	2.5	2	1		2-3
10.00	12.00	2				2.5	2	1	2-3	
12.00	14.00							1		
14.00	16.00							1		
16.00	18.00							1		
18.00	20.00							1		
20.00	22.00							1		
22.00	24.00	2			0.5	2.5	3	1.5	2	
24.00	26.00	2			3		3.5	1.5	4	
26.00	28.00	2			3		3	1.5	2	
28.00	30.00	2			3.5		3	1.5	2	
30.00	32.00	1			3	1.5	2.5	1.5	2	
32.00	34.00	1			3	1.5	2	1.5	2	
34.00	36.00	1.5			2.5	2	2	1.5	2	
36.00	38.00	2			2	2	2	1.5	2	
38.00	40.00	2			1	2	2	1.5	2	
40.00	42.00	2			2	2	2	1.5	2	
42.00	44.00	2			1.5	2	2	1.5	3	
44.00	46.00	2			2	2	2	1.5		
46.00	48.00	2				2	2	1.5		
48.00	50.00	2					2	1.5		

GEOTECHNICAL SAMPLES

FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-146
Grid System : ORIGINAL
Collar Eastings : 21766.730
Collar Northings : 19721.030
Collar Elevations : 953.910
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 48.00
Claim No. :

PAGE : 1

Logged by : GORDON C. MacKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	34.00	INT	Limonitic altered intrusive.	25365	2.00	4.00	2.00	58.	541.	129.	5200.	0.1
				25366	4.00	6.00	2.00	57.	944.	215.	5800.	0.3
				25367	6.00	8.00	2.00	320.	972.	142.	8700.	0.3
				25368	8.00	10.00	2.00	79.	857.	134.	3400.	0.4
				25369	10.00	12.00	2.00	260.	588.	236.	4000.	0.2
12.00	16.00		Increase in limonite content and phyllic alteration.	25370	12.00	14.00	2.00	1990.	2368.	443.	11000.	0.6
				25371	14.00	16.00	2.00	1630.	2463.	330.	14000.	0.5
16.00	20.00		20% Bleached unoxidized intrusive.	25372	16.00	18.00	2.00	640.	1273.	239.	9200.	0.3
				25373	18.00	20.00	2.00	560.	1439.	244.	10000.	0.3
				25374	20.00	22.00	2.00	730.	1389.	177.	8500.	0.3
				25375	22.00	24.00	2.00	420.	650.	266.	4200.	0.2
24.00	26.00		40% Fresh intrusive.	25376	24.00	26.00	2.00	66.	422.	199.	1600.	0.1
26.00	28.00		5% Bleached intrusive.	25377	26.00	28.00	2.00	60.	578.	293.	2800.	0.2
				25378	28.00	30.00	2.00	560.	1457.	521.	2900.	0.4
30.00	34.00		5% Fresh intrusive.	25379	30.00	32.00	2.00	820.	2281.	798.	4300.	0.6
				25380	32.00	34.00	2.00	220.	501.	266.	1100.	0.2
34.00	38.00	F*INT	Fresh biotite rich intrusive with weak propylitic alteration.	25381	34.00	36.00	2.00	50.	290.	96.	340.	0.2
36.00	38.00		20% Limonitic altered intrusive.	25382	36.00	38.00	2.00	20.	210.	62.	180.	0.3
38.00	48.00	INT	Limonitic altered intrusive.									
38.00	40.00		10% Fresh intrusive with minor bleached intrusive.	25383	38.00	40.00	2.00	64.	741.	182.	1100.	0.3
40.00	42.00		10% Bleached intrusive.	25384	40.00	42.00	2.00	360.	1827.	211.	2700.	0.4
				25385	42.00	44.00	2.00	290.	1771.	224.	1600.	0.7
				25386	44.00	46.00	2.00	1750.	2324.	363.	2100.	1.2
				25387	46.00	48.00	2.00	1820.	2342.	371.	3400.	1.2

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-146
Grid System : ORIGINAL
Collar Eastings : 21766.730
Collar Northings : 19721.030
Collar Elevations : 953.910
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 48.00
Claim No. :

Logged by : GORDON C. MacKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : HC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2					2	2														
4.00	6.00	2						2														
6.00	8.00	2						2														
8.00	10.00	2						2														
10.00	12.00	2						2														
12.00	14.00	2					3	3.5	1.5	2												
14.00	16.00	2					3	2.5	1.5	2												
16.00	18.00	2					3	2.5	2	3												
18.00	20.00	2					3	2.5	2	3												
20.00	22.00	2					2	2														
22.00	24.00	2					2	2														
24.00	26.00	1					1	1														
26.00	28.00	2					2	2														
28.00	30.00	2					2	2														
30.00	32.00	2					2	2														
32.00	34.00	2					2	2														
34.00	36.00				0.5																	
36.00	38.00				1.5																	
38.00	40.00	2					2	2		0.5												
40.00	42.00	2					2	2		0.5												
42.00	44.00	2					2	2		0.5												
44.00	46.00	2					2.5	2		1												
46.00	48.00	2					2.5	2		1												

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-147
Grid System : ORIGINAL
Collar Eastings : 21766.680
Collar Northings : 19699.570
Collar Elevations : 944.130
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 58.00
Claim No. :

Logged by : GORDON C. MacKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	6.00	INT	Altered intrusive; 50% limonitic; 50% bleached. 1% Disseminated pyrite, minor relic biotite within the limonitic intrusive.	25388	2.00	4.00	2.00	97.	407.	142.	6200.	0.1
				25389	4.00	6.00	2.00	49.	315.	119.	7300.	0.1
6.00	10.00	INT	Altered limonitic intrusive with relic biotite and trace pyrite.	25390	6.00	8.00	2.00	27.	402.	183.	7100.	0.1
				25391	8.00	10.00	2.00	29.	485.	171.	3300.	0.1
10.00	20.00	F*INT	Weakly oxidized biotite rich intrusive.	25392	10.00	12.00	2.00	10.	51.	65.	230.	0.1
				25393	12.00	14.00	2.00	37.	156.	52.	250.	0.1
				25394	14.00	16.00	2.00	152.	208.	51.	260.	0.1
				25395	16.00	18.00	2.00	12.	69.	45.	160.	0.1
				25396	18.00	20.00	2.00	5.	163.	80.	620.	0.1
20.00	26.00	INT	Limonitic altered intrusive with relic biotite.									
20.00	24.00		20% Fresh intrusive (F*INT).	25397	20.00	22.00	2.00	52.	411.	215.	1400.	0.1
				25398	22.00	24.00	2.00	15.	248.	193.	500.	0.1
				25399	24.00	26.00	2.00	19.	279.	163.	1300.	0.2
26.00	34.00	F*INT	Bluish-grey biotite rich intrusive.									
26.00	28.00		40% Limonitic intrusive.	25400	26.00	28.00	2.00	18.	172.	58.	230.	0.3
				25401	28.00	30.00	2.00	11.	158.	57.	150.	0.4
				25402	30.00	32.00	2.00	35.	497.	235.	220.	0.3
				25403	32.00	34.00	2.00	11.	110.	70.	100.	0.3
34.00	36.00	INT	Limonitic altered intrusive.	25404	34.00	36.00	2.00	540.	2120.	201.	2500.	0.5
36.00	48.00	INT	Bleached altered intrusive which is very weakly oxidized. Strong phyllic alteration.	25405	36.00	38.00	2.00	70.	552.	137.	6100.	0.6
				25406	38.00	40.00	2.00	380.	836.	113.	3000.	0.7
				25407	40.00	42.00	2.00	113.	338.	140.	1500.	0.6
				25408	42.00	44.00	2.00	80.	325.	102.	1100.	0.4
				25409	44.00	46.00	2.00	260.	825.	76.	1500.	0.6

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-147

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
46.00	48.00		5% Black argillite.	25410	46.00	48.00	2.00	380.	1249.	48.	960.	0.7
48.00	58.00	ARG	Black cherty argillite with white quartz veining. 1% Bleached intrusive.	25411	48.00	50.00	2.00	33.	104.	31.	600.	0.3
				25412	50.00	52.00	2.00	24.	101.	36.	710.	0.5
				25413	52.00	54.00	2.00	5.	54.	18.	450.	0.4
				25414	54.00	56.00	2.00	9.	48.	20.	320.	0.7
				25415	56.00	58.00	2.00	1.	37.	13.	280.	0.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-147
Grid System : ORIGINAL
Collar Eastings : 21766.680
Collar Northings : 19699.570
Collar Elevations : 944.130
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 58.00
Claim No. :

Logged by : GORDON C. MacKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

GEOCHEMICAL SAMPLES												GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %		FROM	TO	Reco-very %	Lim %	Break-age	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2					1.5	1	1.5	1													
4.00	6.00	2					1.5	1	1.5	1													
6.00	8.00	2					1.5	1.5		TR													
8.00	10.00	2					1.5	1.5		TR													
10.00	12.00																						
12.00	14.00																						
14.00	16.00																						
16.00	18.00																						
18.00	20.00																						
20.00	22.00	2					1.5	2	1														
22.00	24.00	2					1.5	2	1														
24.00	26.00	2					1.5	2	1														
26.00	28.00							1															
28.00	30.00							1															
30.00	32.00				1.5			1															
32.00	34.00							1															
34.00	36.00	2					2	2.5	1	1													
36.00	38.00	2					3.5	0.5	2	4													
38.00	40.00	2					3.5	0.5	2	4													
40.00	42.00	2					3.5	0.5	2	4													
42.00	44.00	2					3.5	0.5	2	4													
44.00	46.00	2					3.5	0.5	2	4													
46.00	48.00	2					3.5	0.5	2	4													
48.00	50.00								1.5														
50.00	52.00								1.5														
52.00	54.00								1.5														
54.00	56.00								1.5														
56.00	58.00								1.5														

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMNER CREEK
HOLE No. : BCRC 90-148
Grid System : ORIGINAL
Collar Eastings : 21809.000
Collar Northings : 19827.500
Collar Elevations : 982.590
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	4.00	INT	Limonitic quartz rich intrusive with moderately altered feldspar phenocrysts. 5% Black argillite.	25416	2.00	4.00	2.00	21.	274.	49.	2100.	0.2
4.00	22.00	F*INT	Fresh green-grey intrusive with black unaltered biotite books.									
4.00	6.00		20% Limonitic quartz rich intrusive.	25417	4.00	6.00	2.00	9.	46.	15.	130.	0.2
6.00	8.00		Some hematitic stained quartz.	25418	6.00	8.00	2.00	9.	75.	65.	160.	0.5
8.00	10.00		Green crystal present in white quartz- name?	25419	8.00	10.00	2.00	8.	33.	10.	110.	0.2
				25420	10.00	12.00	2.00	5.	50.	14.	150.	0.2
				25421	12.00	14.00	2.00	4.	62.	20.	930.	0.2
14.00	16.00		5% Black argillite.	25422	14.00	16.00	2.00	3.	128.	37.	3200.	0.1
				25423	16.00	18.00	2.00	29.	264.	34.	2300.	0.4
18.00	20.00		Biotite content decreasing.	25424	18.00	20.00	2.00	9.	72.	26.	1700.	0.1
				25425	20.00	22.00	2.00	4.	407.	27.	780.	0.1
22.00	24.00	ARG	60% Black argillite with white quartz stockwork. 40% Limonitic quartz rich intrusive - lacks black biotite.	25426	22.00	24.00	2.00	1.	390.	30.	440.	0.2
24.00	32.00	INT	Limonitic quartz rich intrusive.									
24.00	26.00		White quartz vein with disseminated grey pyrite present.	25427	24.00	26.00	2.00	3.	120.	15.	120.	0.2
26.00	28.00		3% MnO2; some hematitic stained quartz present.	25428	26.00	28.00	2.00	2.	152.	30.	90.	0.2
28.00	30.00		40% Fresh intrusive (F*INT). Quartz eyes present.	25429	28.00	30.00	2.00	1.	155.	33.	130.	0.2
				25430	30.00	32.00	2.00	3.	125.	30.	80.	0.2
32.00	40.00	F*INT	Fresh green-grey intrusive with slightly altered black biotite.	25431	32.00	34.00	2.00	2.	91.	17.	100.	0.2
34.00	38.00		Trace of disseminated pyrite.	25432	34.00	36.00	2.00	2.	115.	14.	210.	0.2
				25433	36.00	38.00	2.00	1.	108.	13.	80.	0.2
				25434	38.00	40.00	2.00	2.	162.	20.	60.	0.2

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-148

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
40.00	44.00	QFP	Pyritic quartz feldspar porphyry.									
40.00	42.00		20% Rusty-limonite stained.	25435	40.00	42.00	2.00	1.	107.	36.	180.	0.5
42.00	44.00		40% Black argillite; 10% limonite stained.	25436	42.00	44.00	2.00	4.	78.	79.	660.	1.7
44.00	50.00	ARG	Pyritic black argillite with white quartz	25437	44.00	46.00	2.00	1.	56.	15.	500.	0.6
			stockwork.	25438	46.00	48.00	2.00	1.	62.	17.	570.	0.3
48.00	50.00		Pyrite very evident at salvages of quartz veins.	25439	48.00	50.00	2.00	1.	23.	11.	400.	0.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-148
Grid System : ORIGINAL
Collar Eastings : 21809.000
Collar Northings : 19827.500
Collar Elevations : 982.590
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2.5					2	2														
4.00	6.00	2					1	1														
6.00	8.00	2					1	1														
8.00	10.00	2					1	TR	1													
10.00	12.00	2					1	TR	1													
12.00	14.00	2					1	1	1													
14.00	16.00	2					1	1	1													
16.00	18.00	2					2	1	TR													
18.00	20.00	2					2	2	1													
20.00	22.00	2.5					2	3	1													
22.00	24.00								1													
24.00	26.00	2.5					2	2	2	TR-1												
26.00	28.00	2.5					2	2	2													
28.00	30.00	2.5					2	2	2	TR-1												
30.00	32.00	2					1	1	TR													
32.00	34.00	2.5			TR		2	1														
34.00	36.00	2.5			1		2	1		TR												
36.00	38.00	2			1		2	TR		TR												
38.00	40.00	2			1		2	TR		TR												
40.00	42.00	2			0.5		2	TR		1-2												
42.00	44.00	2			0.5		2	TR		1-2												
44.00	46.00								2	1-2												
46.00	48.00								2	1-2												
48.00	50.00								2	1-2												

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-148

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-149
Grid System : ORIGINAL
Collar Eastings : 21814.440
Collar Northings : 19807.000
Collar Elevations : 976.600
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : LENA M. BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	36.00	INT	Limonitic quartz rich intrusive.	25440	2.00	4.00	2.00	612.	1038.	312.	10600.	0.4
				25441	4.00	6.00	2.00	37.	449.	189.	4300.	0.2
6.00	8.00		5% Black argillite chips.	25442	6.00	8.00	2.00	1904.	1616.	289.	6400.	0.6
8.00	12.00		Some hematitic stained quartz.	25443	8.00	10.00	2.00	1828.	1259.	338.	5600.	0.6
				25444	10.00	12.00	2.00	2253.	2181.	642.	6800.	1.0
				25445	12.00	14.00	2.00	2763.	2869.	474.	6200.	0.8
14.00	16.00		Hematitic staining of quartz stockwork.	25446	14.00	16.00	2.00	3358.	2619.	497.	6600.	0.8
				25447	16.00	18.00	2.00	689.	1463.	222.	2800.	0.5
				25448	18.00	20.00	2.00	179.	955.	155.	4400.	0.1
20.00	22.00		Extreme hematitic staining of quartz	25449	20.00	22.00	2.00	867.	2087.	87.	2900.	0.2
			stockwork.	25450	22.00	24.00	2.00	15.	1032.	88.	1300.	0.2
				25451	24.00	26.00	2.00	221.	719.	59.	1200.	0.4
				25452	26.00	28.00	2.00	22.	480.	65.	3400.	0.4
				25453	28.00	30.00	2.00	29.	459.	52.	7100.	0.7
30.00	32.00		30% Intrusive; bleached white with dis- seminated grey sulphide-pyrite.	25454	30.00	32.00	2.00	1030.	1488.	47.	5200.	1.7
32.00	34.00		10% Of intrusive is bleached white.	25455	32.00	34.00	2.00	210.	1361.	66.	5900.	0.7
34.00	36.00		30% Black argillite with white quartz stockwork.	25456	34.00	36.00	2.00	19.	344.	39.	3100.	0.8
36.00	38.00	ARG	Black argillite with white quartz stock- work. 20% Limonitic intrusive; 10% bleached pyritic intrusive.	25457	36.00	38.00	2.00	14.	153.	24.	1600.	0.7
38.00	46.00	INT	Limonitic quartz rich intrusive.									
38.00	40.00		30% Black argillite with white quartz	25458	38.00	40.00	2.00	7.	175.	34.	1800.	0.5
			stockwork.	25459	40.00	42.00	2.00	7.	222.	43.	2000.	0.4
				25460	42.00	44.00	2.00	5.	125.	28.	1700.	0.4
44.00	46.00		40% Bleached white pyritic intrusive.	25461	44.00	46.00	2.00	47.	190.	28.	1800.	0.5
46.00	50.00	ARG	Black argillite with white quartz stock- work.									
46.00	48.00		5% Bleached intrusive; 5% Limonitic	25462	46.00	48.00	2.00	40.	399.	68.	2600.	0.8

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMNER CREEK
HOLE No. : BCRC 90-149

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			intrusive.									
48.00	50.00		Chips of massive pyrite present.	25463	48.00	50.00	2.00	2.	100.	12.	1500.	0.4

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-149
Grid System : ORIGINAL
Collar Eastings : 21814.440
Collar Northings : 19807.000
Collar Elevations : 976.600
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : LENA K. BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.00	4.00	2.5					3	1															
4.00	6.00	2.5					3	1	1														
6.00	8.00	2.5					2.5	1	1														
8.00	10.00	2					2.5	1	1														
10.00	12.00	2					2.5	2	1														
12.00	14.00	2					3	3	1														
14.00	16.00	2					3	3	2														
16.00	18.00	3					3	3	2														
18.00	20.00	3					2	3	2														
20.00	22.00	3					2	3	2														
22.00	24.00	3					2	3	2														
24.00	26.00	3					3	3	1.5														
26.00	28.00	3					1.5	3	1.5														
28.00	30.00	3					1.5	3	1.5														
30.00	32.00	3					1.5	1	1.5	TR-1													
32.00	34.00	3					1.5	2	1.5	TR													
34.00	36.00	3					1.5	2	1.5														
36.00	38.00								1														
38.00	40.00	2				0.5	1	2	1	TR													
40.00	42.00	2					1	3	1														
42.00	44.00	2					2	3	2														
44.00	46.00	2					2	2	2	TR-1													
46.00	48.00								1	TR													
48.00	50.00								1	1-2													

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-150
Grid System : ORIGINAL
Collar Eastings : 21813.640
Collar Northings : 19783.680
Collar Elevations : 970.240
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	26.00	INT	Limonitic quartz rich intrusive.	025464	2.00	4.00	2.00	1070.	1025.	485.	3400.	0.9
				025465	4.00	6.00	2.00	6.	516.	413.	4100.	0.6
6.00	10.00		NO RECOVERY.		6.00	8.00	2.00	N/A	N/A	N/A	N/A	N/A
					8.00	10.00	2.00	N/A	N/A	N/A	N/A	N/A
				025468	10.00	12.00	2.00	360.	625.	511.	3400.	0.4
12.00	14.00		Hematitic stained quartz present; 5% Black argillite.	025469	12.00	14.00	2.00	1960.	1253.	677.	4800.	0.6
				025470	14.00	16.00	2.00	620.	1195.	503.	7800.	0.6
				025471	16.00	18.00	2.00	220.	776.	315.	5200.	0.9
				025472	18.00	20.00	2.00	45.	621.	247.	4900.	0.4
20.00	22.00		5% Bleached white intrusive with disseminated grey sulphide - pyrite or stibnite?	025473	20.00	22.00	2.00	7.	226.	94.	2300.	0.5
				025474	22.00	24.00	2.00	280.	814.	200.	5400.	0.9
24.00	26.00		Limonitic stained quartz present.	025475	24.00	26.00	2.00	44.	438.	125.	7300.	0.6
26.00	44.00	ARG	Black argillite.									
26.00	28.00		40% Limonitic intrusive.	025476	26.00	28.00	2.00	750.	579.	96.	13000.	1.9
28.00	40.00		Varies from 10 - 30% grey mudstone with	025477	28.00	30.00	2.00	37.	219.	43.	6300.	2.2
			some limonitic staining.	025478	30.00	32.00	2.00	2.	190.	33.	2300.	1.3
				025479	32.00	34.00	2.00	19.	125.	27.	950.	0.7
				025480	34.00	36.00	2.00	1.	40.	19.	500.	0.4
				025481	36.00	38.00	2.00	4.	33.	16.	310.	0.3
				025482	38.00	40.00	2.00	1.	39.	15.	280.	0.3
				025483	40.00	42.00	2.00	3.	47.	13.	350.	0.3
				025484	42.00	44.00	2.00	1.	63.	18.	380.	0.4
44.00	50.00	INT	Limonitic quartz rich intrusive.									
44.00	46.00		30% Grey mudstone.	025485	44.00	46.00	2.00	3.	154.	30.	800.	0.3
46.00	48.00		20% Bleached white intrusive with disseminated grey sulphide - pyrite or stibnite?	025486	46.00	48.00	2.00	2.	148.	26.	950.	0.2
48.00	50.00		30% Bleached white intrusive with disseminated grey sulphide.	025487	48.00	50.00	2.00	1.	196.	27.	1100.	0.3
50.00	52.00	ARG	Black argillite with 10% limonitic intrusive.	025488	50.00	52.00	2.00	210.	782.	42.	1400.	0.4

BORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-150
Grid System : ORIGINAL
Collar Eastings : 21813.640
Collar Northings : 19783.680
Collar Elevations : 970.240
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2					2	TR														
4.00	6.00	2					2	1	1													
6.00	8.00																					
8.00	10.00																					
10.00	12.00	2					2	2	1													
12.00	14.00	2					2	2	2													
14.00	16.00	2					2	2	1													
16.00	18.00	2					2	2	2													
18.00	20.00	2.5					2	2	2													
20.00	22.00	2.5					2	1														
22.00	24.00	2.5			1		2	2														
24.00	26.00	2.5					2	2	1													
26.00	28.00																					
28.00	30.00																					
30.00	32.00																					
32.00	34.00																					
34.00	36.00																					
36.00	38.00																					
38.00	40.00																					
40.00	42.00																					
42.00	44.00																					
44.00	46.00	2					2	1		TR												
46.00	48.00	2					2	1		TR												
48.00	50.00	2					2	1		TR												
50.00	52.00				0.5																	

NORANDA EXPLORATION

DIAMOND DRILL LOG

PROPERTY : BREMERY CREEK
HOLE No. : BCRC 90-151
Grid System : ORIGINAL
Collar Eastings : 21813.040
Collar Northings : 19754.490
Collar Elevations : 962.280
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	30.00	INT	Limonitic quartz rich intrusive with strong phyllic alteration.	025489	2.00	4.00	2.00	250.	1034.	630.	2300.	0.5
				025490	4.00	6.00	2.00	81.	677.	360.	730.	0.4
4.00	6.00		Some hematitic stained quartz and fresh black biotite present.	025491	6.00	8.00	2.00	216.	1140.	577.	2700.	1.7
6.00	8.00		Hematitic stained quartz.	025492	8.00	10.00	2.00	234.	943.	630.	4600.	1.8
				025493	10.00	12.00	2.00	112.	616.	402.	4800.	0.3
				025494	12.00	14.00	2.00	360.	822.	356.	8200.	0.3
				025495	14.00	16.00	2.00	414.	1180.	3370.	6200.	0.9
14.00	16.00		Trace of black argillite.	025496	16.00	18.00	2.00	6048.	4726.	1240.	7800.	2.5
16.00	18.00		Very hematitic.	025497	18.00	20.00	2.00	6291.	3661.	624.	4600.	1.8
				025498	20.00	22.00	2.00	3285.	3122.	334.	3600.	1.2
20.00	22.00		Hematitic staining.	025499	22.00	24.00	2.00	3645.	2969.	756.	6300.	0.6
22.00	24.00		Quartz eyes present.	025500	24.00	26.00	2.00	8577.	3889.	1626.	4100.	0.9
24.00	26.00		Quartz veins are hematite stained.	025501	26.00	28.00	2.00	2394.	2539.	342.	3600.	0.7
26.00	28.00		Abundant MnO2.	025502	28.00	30.00	2.00	1143.	1462.	191.	3400.	1.1
28.00	30.00		Hematitic staining (red) of intrusive.									
30.00	38.00	ARG	Black argillite.	025503	30.00	32.00	2.00	142.	231.	73.	1400.	0.3
30.00	32.00		30% Grey incompetant mudstone.	025504	32.00	34.00	2.00	110.	144.	62.	540.	0.4
32.00	34.00		10% Grey incompetant mudstone; some rusty quartz present.	025505	34.00	36.00	2.00	50.	141.	54.	860.	0.3
34.00	36.00		Argillite is pyritic.	025506	36.00	38.00	2.00	28.	85.	17.	410.	0.5
36.00	38.00		Trace of pyrite in argillite and white quartz stockwork present.									
38.00	44.00	QFP	Pyritic quartz feldspar porphyry.	025507	38.00	40.00	2.00	25.	86.	20.	2500.	0.6
38.00	40.00		20% Black argillite.	025508	40.00	42.00	2.00	54.	166.	35.	920.	0.3
40.00	42.00		5% Black argillite.	025509	42.00	44.00	2.00	31.	108.	31.	680.	0.1
44.00	50.00	ARG	Black pyritic argillite.	025510	44.00	46.00	2.00	8.	60.	13.	400.	0.2
44.00	46.00		5% Pyritic quartz feldspar porphyry.	025511	46.00	48.00	2.00	12.	39.	12.	180.	0.2

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-151

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				025512	48.00	50.00	2.00	10.	59.	16.	220.	0.4

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-151
Grid System : ORIGINAL
Collar Eastings : 21813.040
Collar Northings : 19754.490
Collar Elevations : 962.280
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

PAGE : 1

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2				3	2	1														
4.00	6.00	2				3	2	1														
6.00	8.00	2				3	2	1														
8.00	10.00	2				3	1	2														
10.00	12.00	2			1	3	1	1														
12.00	14.00	2.5				3	1	1														
14.00	16.00	2.5				3	2	1														
16.00	18.00	2.5				3	2	2														
18.00	20.00	2.5				3	3	1														
20.00	22.00	2.5				3	2															
22.00	24.00	2.5				3	3															
24.00	26.00	2.5				3	2	1														
26.00	28.00	2.5				2	1															
28.00	30.00	2.5				2	3	TR														
30.00	32.00																					
32.00	34.00																					
34.00	36.00							TR		TR												
36.00	38.00							1		TR												
38.00	40.00	2				2	1			1-2												
40.00	42.00	2				2				1-2												
42.00	44.00	2				2	TR			1-2												
44.00	46.00																					
46.00	48.00																					
48.00	50.00																					

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-152
Grid System : ORIGINAL
Collar Eastings : 21812.270
Collar Northings : 19728.380
Collar Elevations : 953.700
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : LENA K. BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	24.00	F*INT	Grey-greey biotite rich fresh intrusive.									
2.00	4.00		Limonitic; some white quartz chips.	025513	2.00	4.00	2.00	138.	275.	154.	570.	0.2
4.00	6.00		Limonitic.	025514	4.00	6.00	2.00	68.	107.	52.	270.	0.1
6.00	8.00		Limonitic; white quartz chips present.	025515	6.00	8.00	2.00	50.	247.	201.	300.	0.3
				025516	8.00	10.00	2.00	25.	193.	180.	160.	0.6
				025517	10.00	12.00	2.00	22.	73.	62.	110.	0.1
12.00	14.00		20% of chips are blue-grey; fresh black biotite and green mineral - name?	025518	12.00	14.00	2.00	32.	76.	65.	100.	0.1
14.00	16.00		40% Blue-grey chips (lack limonite); trace	025519	14.00	16.00	2.00	15.	36.	27.	60.	0.1
			of disseminated pyrite in these chips and	025520	16.00	18.00	2.00	31.	192.	54.	270.	0.2
			of green mineral - name?									
18.00	22.00		Some hematitic staining of quartz rich	025521	18.00	20.00	2.00	216.	392.	62.	250.	0.2
			chips.	025522	20.00	22.00	2.00	117.	357.	87.	280.	0.2
22.00	24.00		20% Blue-grey chips.	025523	22.00	24.00	2.00	10.	278.	130.	620.	0.3
24.00	36.00	INT	Limonitic quartz rich intrusive.									
24.00	26.00		10% Fresh intrusive (F*INT)	025524	24.00	26.00	2.00	33.	465.	326.	4600.	0.3
				025525	26.00	28.00	2.00	264.	1071.	356.	5200.	1.3
28.00	30.00		Hematitic staining of some quartz rich	025526	28.00	30.00	2.00	750.	1633.	544.	2300.	0.5
			chips - pink coloured.	025527	30.00	32.00	2.00	680.	1623.	601.	3500.	0.7
32.00	34.00		5% Chips hematite stained; 5% bleached	025528	32.00	34.00	2.00	1070.	1984.	266.	3600.	0.8
			white with disseminated pyrite.									
34.00	36.00		2% Bleached white chips.	025529	34.00	36.00	2.00	1060.	1896.	485.	2300.	0.8
36.00	42.00	QFP	Pyritic white quartz feldspar porphyry.									
36.00	40.00		Fine clear quartz stringers; 30% limonitic	025530	36.00	38.00	2.00	1490.	2028.	491.	1600.	1.2
			intrusive.	025531	38.00	40.00	2.00	2890.	3139.	777.	2200.	1.5
40.00	42.00		30% Limonitic and hematitic stained int-	025532	40.00	42.00	2.00	4930.	3897.	618.	3500.	1.4
			rusive; 5% black argillite.									
42.00	44.00	ARG	Pyritic black argillite with white and	025533	42.00	44.00	2.00	200.	385.	71.	2500.	1.1
			grey quartz stockwork; 5% bleached white									
			intrusive.									

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-152

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
44.00	50.00	QPP	Pyritic quartz feldspar porphyry with clay altered feldspars and some green sericite present.									
44.00	46.00		5% Black pyritic argillite.	025534	44.00	46.00	2.00	76.	205.	40.	1300.	0.5
46.00	48.00		5% Black pyritic argillite.	025535	46.00	48.00	2.00	13.	216.	60.	1600.	0.3
48.00	50.00		50% Oxidized intrusive.	025536	48.00	50.00	2.00	89.	177.	49.	1800.	0.4

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-152
Grid System : ORIGINAL
Collar Eastings : 21812.270
Collar Northings : 19728.380
Collar Elevations : 953.700
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : LENA K. BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sz	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2				1	2		TR													
4.00	6.00	2				1	2															
6.00	8.00	2				1	2		TR													
8.00	10.00	1			1	1	2															
10.00	12.00	1			1	1	2															
12.00	14.00	1			1	1	2															
14.00	16.00	1			1	1	1			TR												
16.00	18.00	1			1	1	2															
18.00	20.00	1				1	2															
20.00	22.00	1				1	2															
22.00	24.00	1			1	1	2															
24.00	26.00	3				2	2															
26.00	28.00	3				2	3															
28.00	30.00	3				2	3															
30.00	32.00	3				2	3															
32.00	34.00	3				2	3			TR												
34.00	36.00	3				2	3															
36.00	38.00	3				2	3	2		1-2												
38.00	40.00	3				2	2	1		1-2												
40.00	42.00	3				2		TR		1-2												
42.00	44.00																					
44.00	46.00	2.5			1	2				1-2												
46.00	48.00																					

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-152

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
48.00	50.00							2														

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-153
Grid System : ORIGINAL
Collar Eastings : 21806.000
Collar Northings : 19707.000
Collar Elevations : 943.900
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : LENA K. BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	8.00	INT	Limonitic quartz rich intrusive.									
2.00	4.00		10% Biotite rich intrusive.	025537	2.00	4.00	2.00	960.	1600.	432.	6300.	0.7
4.00	6.00		5% Bleached white intrusive.	025538	4.00	6.00	2.00	180.	1048.	367.	6600.	0.4
				025539	6.00	8.00	2.00	108.	1240.	479.	7800.	0.7
8.00	14.00	F*INT	Grey-green oxidized intrusive with black	025540	8.00	10.00	2.00	45.	423.	179.	2000.	0.3
			biotite.	025541	10.00	12.00	2.00	4.	203.	84.	2700.	0.2
12.00	14.00		Biotite more altered.	025542	12.00	14.00	2.00	24.	264.	123.	5400.	0.2
14.00	20.00	INT	Limonitic quartz rich intrusive.	025543	14.00	16.00	2.00	135.	414.	229.	6800.	0.3
16.00	18.00		Some hematitic staining; trace of pyrite	025544	16.00	18.00	2.00	1120.	1099.	395.	6480.	0.4
			in bleached intrusive.	025545	18.00	20.00	2.00	31.	395.	191.	7200.	0.3
20.00	42.00	F*INT	Green-grey fresh intrusive with black biotite.									
20.00	22.00		30% Limonitic quartz rich intrusive.	025546	20.00	22.00	2.00	17.	307.	127.	1900.	0.2
22.00	24.00		20% Oxidized-limonitic.	025547	22.00	24.00	2.00	19.	115.	46.	520.	0.1
				025548	24.00	26.00	2.00	35.	256.	83.	340.	0.2
26.00	28.00		Some hematitic staining.	025549	26.00	28.00	2.00	19.	247.	77.	330.	0.2
				025550	28.00	30.00	2.00	27.	178.	87.	210.	0.2
				025551	30.00	32.00	2.00	40.	382.	185.	340.	0.3
32.00	34.00		30% Blue grey coloured chips with fresh black biotite.	025552	32.00	34.00	2.00	27.	324.	149.	510.	0.1
34.00	36.00		20% Blue-grey chips with fresh biotite.	025553	34.00	36.00	2.00	5.	297.	87.	180.	0.2
36.00	40.00		5% Blue-grey chips.	025554	36.00	38.00	2.00	16.	217.	76.	210.	0.4
				025555	38.00	40.00	2.00	102.	644.	89.	270.	0.4
40.00	42.00		Amount of black biotite decreasing; chips becoming more green. Pyritic.	025556	40.00	42.00	2.00	160.	1459.	164.	680.	0.3
42.00	48.00	QFP	White quartz feldspar porphyry with varying amounts of oxidation.									
42.00	44.00		Hematitic staining.	025557	42.00	44.00	2.00	220.	2100.	147.	900.	0.5
				025558	44.00	46.00	2.00	480.	2139.	197.	950.	0.8

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-153

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				025559	46.00	48.00	2.00	580.	3657.	175.	1050.	0.5
48.00	50.00	ARG	Pyritic black argillite with white quartz stockwork. 20% Oxidized quartz feldspar porphyry.	025560	48.00	50.00	2.00	160.	1062.	58.	920.	0.6

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-153
Grid System : ORIGINAL
Collar Eastings : 21806.000
Collar Northings : 19707.000
Collar Elevations : 943.900
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : LENA M. BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2.5					2	2														
4.00	6.00	2.5					2	2														
6.00	8.00	2.5					2	2														
8.00	10.00	2					1	1														
10.00	12.00	2					1	1														
12.00	14.00	2					2	1														
14.00	16.00	2				2	2.5	2	TR													
16.00	18.00	2					2.5	2	TR	TR												
18.00	20.00	2.5				1	2.5	2														
20.00	22.00	2.5				1	2.5	2														
22.00	24.00	2.5				2	2.5	1														
24.00	26.00	2.5				2	2.5	1														
26.00	28.00	2.5				2	2.5	1														
28.00	30.00	2.5				2	2.5	1														
30.00	32.00	2.5				2	2.5	1														
32.00	34.00	2.5				2	2.5	2														
34.00	36.00	2.5				2	2.5	2														
36.00	38.00	2.5				2	2	2														
38.00	40.00	2.5				1	2	3		TR												
40.00	42.00	2.5				2	1.5	3		1-2												
42.00	44.00	2.5				2	2	3		1-2												
44.00	46.00	2.5				2	2	3		1-2												
46.00	48.00	2.5				2	2		2													
48.00	50.00					2																

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-154
Grid System : ORIGINAL
Collar Eastings : 21607.140
Collar Northings : 19875.070
Collar Elevations : 1000.310
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : LENA K. BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	12.00	ARG	Black argillite.									
2.00	4.00		5% Pyritic grey mudstone.	025561	2.00	4.00	2.00	48.	254.	16.	3100.	1.2
				025562	4.00	6.00	2.00	16.	201.	10.	3200.	1.3
6.00	8.00		20% Limonitic quartz rich intrusive.	025563	6.00	8.00	2.00	48.	259.	15.	4100.	1.4
				025564	8.00	10.00	2.00	410.	319.	14.	3600.	1.2
10.00	12.00		Grey pyritic veining present.	025565	10.00	12.00	2.00	86.	440.	7.	2500.	1.3
12.00	14.00	F*INT	Fresh white intrusive with black biotite books. Some oxidized to rusty orange colour. 10% Black biotite.	025566	12.00	14.00	2.00	128.	901.	9.	830.	0.5
14.00	20.00	INT	Limonitic quartz rich intrusive.									
14.00	16.00		5% Fresh intrusive (F*INT).	025567	14.00	16.00	2.00	118.	512.	9.	1300.	0.2
16.00	18.00		10% Cherty grey-black argillite.	025568	16.00	18.00	2.00	147.	384.	19.	15000.	1.4
18.00	20.00		40% Cherty grey argillite.	025569	18.00	20.00	2.00	14.	233.	14.	6300.	1.6
20.00	50.00	ARG	Cherty black argillite with white quartz stockwork. Pyritic.									
20.00	22.00		Trace of limonitic quartz rich intrusive.	025570	20.00	22.00	2.00	4.	213.	12.	1100.	2.4
				025571	22.00	24.00	2.00	5.	148.	7.	1200.	2.5
24.00	26.00		Abundant limonitic staining associated with the pyrite.	025572	24.00	26.00	2.00	1.	166.	6.	2600.	2.3
				025573	26.00	28.00	2.00	1.	266.	13.	5600.	3.8
				025574	28.00	30.00	2.00	36.	470.	8.	3200.	2.8
				025575	30.00	32.00	2.00	59.	193.	5.	3300.	1.9
				025576	32.00	34.00	2.00	10.	241.	8.	1400.	2.3
				025577	34.00	36.00	2.00	210.	526.	15.	8800.	2.2
36.00	38.00		Stockwork increases, some quartz extremely limonitic.	025578	36.00	38.00	2.00	80.	309.	8.	3600.	2.3
38.00	42.00		White quartz veining is shot through with colourless quartz stringers.	025579	38.00	40.00	2.00	54.	424.	10.	2600.	1.2
				025580	40.00	42.00	2.00	16.	377.	6.	1800.	1.4
42.00	44.00		Section appears to have 60% pyritic pyritic quartz feldspar porphyry with green seritization.	025581	42.00	44.00	2.00	64.	807.	9.	2600.	1.9

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-154

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
44.00	46.00		20% Pyritic quartz feldspar prorphyry with green seritization.	025582	44.00	46.00	2.00	125.	1629.	14.	2700.	1.8
				025583	46.00	48.00	2.00	290.	2348.	46.	3800.	6.1
				025584	48.00	50.00	2.00	115.	1849.	17.	2600.	1.6

MORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-154
Grid System : ORIGINAL
Collar Eastings : 21607.140
Collar Northings : 19875.070
Collar Elevations : 1080.310
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : LENA K. BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00																					
4.00	6.00																					
6.00	8.00																					
8.00	10.00																					
10.00	12.00																					
12.00	14.00	2.5					1	2														
14.00	16.00	2.5					1	2														
16.00	18.00	2.5			0.5		1	2														
18.00	20.00	2.5			0.5		1	2														
20.00	22.00								1													
22.00	24.00								2	TR												
24.00	26.00								2	TR												
26.00	28.00								2	1-2												
28.00	30.00								2	TR-1												
30.00	32.00								2	TR-1												
32.00	34.00								2	TR-1												
34.00	36.00								2	1-2												
36.00	38.00								3	1-2												
38.00	40.00								3	1-2												
40.00	42.00								3	1-2												
42.00	44.00								3	1-2												
44.00	46.00								3	1-2												
46.00	48.00								3	1-2												
48.00	50.00								3	1-2												

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-155
Grid System : ORIGINAL
Collar Eastings : 21604.010
Collar Northings : 19850.550
Collar Elevations : 990.190
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 28.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	16.00	ARG	Black argillite.									
2.00	4.00		20% Limonitic quartz rich intrusive.	025585	2.00	4.00	2.00	20.	216.	26.	3200.	1.9
				025586	4.00	6.00	2.00	7.	194.	21.	4000.	3.1
6.00	8.00		White quartz stockwork present.	025587	6.00	8.00	2.00	16.	118.	11.	2400.	2.8
				025588	8.00	10.00	2.00	5.	142.	9.	2800.	3.7
10.00	12.00		White quartz stockwork present.	025589	10.00	12.00	2.00	3.	286.	9.	3300.	3.0
				025590	12.00	14.00	2.00	230.	414.	11.	2000.	2.2
				025591	14.00	16.00	2.00	10.	252.	21.	1800.	1.6
16.00	26.00	ARG	Pyritic black argillite.									
16.00	18.00		Very pyritic; abundant white quartz stockwork.	025592	16.00	18.00	2.00	2320.	2570.	24.	2000.	3.3
				025593	18.00	20.00	2.00	460.	1677.	21.	2500.	2.8
				025594	20.00	22.00	2.00	4.	292.	18.	1900.	2.7
22.00	24.00		Trace of limonitic quartz.	025595	22.00	24.00	2.00	20.	844.	18.	2800.	2.6
24.00	26.00		10% Pyritic quartz feldspar porphyry.	025596	24.00	26.00	2.00	5.	948.	14.	6400.	3.2
26.00	28.00	QFP	Pyritic quartz feldspar porphyry with green seritized chips and 20% pyritic black argillite.	025597	26.00	28.00	2.00	162.	1791.	12.	6500.	1.4

MORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-155
Grid System : ORIGINAL
Collar Eastings : 21604.010
Collar Northings : 19850.550
Collar Elevations : 990.190
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 28.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sr %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00																					
4.00	6.00																					
6.00	8.00																					
8.00	10.00																					
10.00	12.00																					
12.00	14.00																					
14.00	16.00																					
16.00	18.00							2	1-2													
18.00	20.00							2	1-2													
20.00	22.00							2	1-2													
22.00	24.00							2	1-2													
24.00	26.00							2	1-2													
26.00	28.00	2.5			2	2			1-2													

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-156
Grid System : ORIGINAL
Collar Eastings : 21597.350
Collar Northings : 19824.340
Collar Elevations : 981.120
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	24.00	ARG	Black cherty argillite.									
2.00	4.00		10% Limonitic quartz rich intrusive; 5% vein quartz.	25598	2.00	4.00	2.00	870.	549.	23.	2600.	1.9
4.00	6.00		10% White quartz.	25599	4.00	6.00	2.00	75.	259.	35.	1800.	2.0
6.00	8.00		White quartz stockwork apparent in the argillite.	25600	6.00	8.00	2.00	50.	172.	22.	2500.	3.8
				25601	8.00	10.00	2.00	46.	62.	13.	1600.	2.9
10.00	12.00		5% Incompetant grey-brown shale.	25602	10.00	12.00	2.00	31.	165.	16.	2200.	2.0
12.00	16.00		40% Incompetant grey-brown shale.	25603	12.00	14.00	2.00	35.	295.	17.	1800.	1.5
				25604	14.00	16.00	2.00	26.	137.	12.	1300.	1.5
16.00	18.00		Pyritic; 20% grey shale.	25605	16.00	18.00	2.00	31.	81.	15.	680.	2.1
18.00	20.00		NO RECOVERY.		18.00	20.00	2.00	N/A	N/A	N/A	N/A	N/A
20.00	22.00		Very pyritic; calcareous.	25607	20.00	22.00	2.00	8.	67.	13.	1400.	4.1
				25608	22.00	24.00	2.00	3.	123.	11.	1700.	3.6
24.00	36.00	QFP	Pyritic white quartz feldspar porphyry.									
24.00	26.00		10% Black pyritic argillite.	25609	24.00	26.00	2.00	132.	530.	8.	2600.	1.3
26.00	28.00		30% Black pyritic argillite; pyrite very grey in colour.	25610	26.00	28.00	2.00	49.	386.	7.	4600.	1.6
28.00	30.00		20% Black pyritic argillite.	25611	28.00	30.00	2.00	530.	653.	6.	4800.	0.9
30.00	32.00		5% Black argillite.	25612	30.00	32.00	2.00	126.	448.	9.	1300.	0.7
32.00	34.00		Black biotite present; quartz feldspar porphyry is green; trace of argillite.	25613	32.00	34.00	2.00	360.	675.	8.	1200.	0.5
34.00	36.00		20% Black argillite; quartz feldspapr porphyry is green and rich in black biotite.	25614	34.00	36.00	2.00	154.	257.	9.	2400.	1.1
36.00	50.00	ARG	Black pyritic argillite with white quartz stockwork.									
36.00	38.00		5% Pyritic quartz feldspar porphyry.	25615	36.00	38.00	2.00	8.	256.	12.	6700.	3.4
				25616	38.00	40.00	2.00	5.	237.	15.	7000.	3.5
				25617	40.00	42.00	2.00	3.	213.	14.	5000.	2.9
				25618	42.00	44.00	2.00	4.	106.	25.	6800.	2.1
				25619	44.00	46.00	2.00	1.	60.	16.	8300.	2.0

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-156

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				25620	46.00	48.00	2.00	1.	101.	15.	9400.	2.8
				25621	48.00	50.00	2.00	1.	65.	11.	6700.	2.5

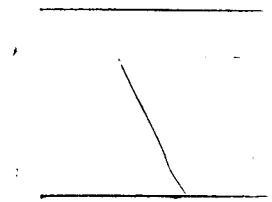
MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-156
Grid System : ORIGINAL
Collar Eastings : 21597.350
Collar Northings : 19824.340
Collar Elevations : 981.120
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00				1			1														
4.00	6.00				0.5			1														
6.00	8.00							2														
8.00	10.00							2														
10.00	12.00							2														
12.00	14.00				1																	
14.00	16.00				1																	
16.00	18.00				2					TR-1												
18.00	20.00																					
20.00	22.00				3			1		1-2												
22.00	24.00				3			2		1-2												
24.00	26.00	2			3	2.5				1-2												
26.00	28.00	2			3	2.5				1-2												
28.00	30.00	2			3	2.5				1-2												
30.00	32.00	2			3	2				1-2												
32.00	34.00	2			3					1-2												
34.00	36.00	2			3					1-2												
36.00	38.00				2			2		1-2												
38.00	40.00				2			1		TR-1												
40.00	42.00				2			1		TR-1												
42.00	44.00				2			1		TR-1												
44.00	46.00				2			1		TR-1												
46.00	48.00				2			1		TR-1												
48.00	50.00				2			1		TR-1												



MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-157
Grid System : ORIGINAL
Collar Eastings : 21597.070
Collar Northings : 19798.600
Collar Elevations : 974.820
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	14.00	F*INT	Green-grey, black biotite rich, fresh intrusive with 30-50% oxidized chips.	25622	2.00	4.00	2.00	340.	242.	314.	450.	0.4
				25623	4.00	6.00	2.00	19.	109.	234.	160.	0.1
				25624	6.00	8.00	2.00	660.	457.	222.	410.	0.4
				25625	8.00	10.00	2.00	127.	422.	511.	270.	0.7
				25626	10.00	12.00	2.00	220.	352.	298.	150.	0.4
				25627	12.00	14.00	2.00	105.	122.	64.	80.	0.1
14.00	20.00	INT	Limonitic quartz rich intrusive.									
14.00	16.00		Pyritic.	25628	14.00	16.00	2.00	14.	104.	273.	1500.	0.2
16.00	18.00		40% Of intrusive is not oxidized.	25629	16.00	18.00	2.00	1640.	1549.	144.	1300.	0.9
18.00	20.00		10% Black incompetant argillite; 30% oxidized intrusive; 60% unoxidized intrusive.	25630	18.00	20.00	2.00	540.	681.	113.	2700.	0.4
20.00	24.00	ARG	Black pyritic argillite.									
20.00	22.00		Trace of intrusive.	25631	20.00	22.00	2.00	230.	495.	32.	3000.	0.8
22.00	24.00		10% intrusive.	25632	22.00	24.00	2.00	76.	385.	21.	2200.	0.3
24.00	36.00	QFP	Pyritic quartz feldspar porphyry.									
24.00	26.00		Abundant sericite with 5% black pyritic argillite.	25633	24.00	26.00	2.00	20.	67.	20.	1300.	0.5
26.00	32.00		5% Black pyritic argillite.	25634	26.00	28.00	2.00	12.	103.	17.	2700.	0.3
				25635	28.00	30.00	2.00	16.	84.	23.	1000.	0.2
				25636	30.00	32.00	2.00	66.	406.	16.	2800.	0.1
				25637	32.00	34.00	2.00	780.	1773.	31.	4800.	0.5
34.00	36.00		40% Black pyritic argillite.	25638	34.00	36.00	2.00	57.	202.	21.	1700.	0.3
36.00	40.00	ARG	Black pyritic argillite with white quartz stockwork veining.	25639	36.00	38.00	2.00	30.	153.	12.	3800.	0.9
38.00	40.00		Trace of pyritic quartz feldspar porphyry present.	25640	38.00	40.00	2.00	114.	193.	19.	3600.	1.4
40.00	46.00	QFP	Pyritic quartz feldspar porphyry.									

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMNER CREEK
HOLE No. : BCRC 90-157

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
40.00	42.00		5% Black pyritic argillite.	25641	40.00	42.00	2.00	9230.	6947.	36.	6600.	2.1
42.00	44.00		10% Black pyritic argillite.	25642	42.00	44.00	2.00	8030.	6769.	35.	8500.	2.7
44.00	46.00		Some green sericite; 30% black pyritic argillite.	25643	44.00	46.00	2.00	4550.	4314.	24.	14000.	1.9
46.00	50.00	ARG	Black pyritic argillite with white quartz stockwork.									
46.00	48.00		30% Pyritic quartz feldspar porphyry.	25644	46.00	48.00	2.00	290.	658.	22.	10800.	2.7
				25645	48.00	50.00	2.00	62.	203.	23.	18000.	3.9

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-157
Grid System : ORIGINAL
Collar Eastings : 21597.070
Collar Northings : 19798.600
Collar Elevations : 974.820
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2					1	2														
4.00	6.00	2					1	2														
6.00	8.00	2					1	2														
8.00	10.00	2					1	2														
10.00	12.00	2					1	TR														
12.00	14.00	2					1	TR														
14.00	16.00	2.5			2	2	1			TR												
16.00	18.00	2.5			3	2	1			TR												
18.00	20.00	2.5			3	2	TR			TR												
20.00	22.00									TR												
22.00	24.00									TR												
24.00	26.00	2					2			1-2												
26.00	28.00	2					2			1-2												
28.00	30.00	2			1		2			1-2												
30.00	32.00	2			1		2			1-2												
32.00	34.00	2			1		2			1-2												
34.00	36.00	2			1		2			1-2												
36.00	38.00								2	1-2												
38.00	40.00								2	1-2												
40.00	42.00	2			1		1.5		2	1-2												
42.00	44.00	2			1		1.5		2	1-2												
44.00	46.00	2			1		1.5		2	1-2												
46.00	48.00																					

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-157

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
48.00	50.00																						

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-158
Grid System : ORIGINAL
Collar Eastings : 21595.500
Collar Northings : 19770.000
Collar Elevations : 970.460
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	18.00	INT	Limonitic quartz rich intrusive.									
2.00	6.00		Moderate argillic alteration with minor quartz stockwork.	25646	2.00	4.00	2.00	48.	303.	514.	2400.	0.1
				25647	4.00	6.00	2.00	101.	556.	792.	4100.	0.2
6.00	18.00		Very quartz rich (80% quartz). Few chips in washed split. Redder hematitic staining; moderate to strong quartz stockwork.	25648	6.00	8.00	2.00	22.	235.	316.	2100.	0.1
				25649	8.00	10.00	2.00	10.	143.	109.	1700.	0.1
				25650	10.00	12.00	2.00	15.	64.	60.	2200.	0.1
				25651	12.00	14.00	2.00	1.	29.	27.	3500.	0.1
				25652	14.00	16.00	2.00	4.	27.	27.	5200.	0.1
				25653	16.00	18.00	2.00	3.	24.	23.	4100.	0.2
18.00	32.00	QFP	Light grey to white quartz feldspar porphyry with moderately to strongly clay altered feldspar phenocrysts. 30-40% limonitic intrusive (QFP)	25654	18.00	20.00	2.00	4.	57.	61.	3100.	0.1
				25655	20.00	22.00	2.00	10.	87.	102.	1800.	0.1
				25656	22.00	24.00	2.00	14.	275.	114.	3600.	0.3
				25657	24.00	26.00	2.00	15.	406.	77.	7800.	0.4
26.00	30.00		Quartz feldspar porphyry slightly darker grey. 2% Disseminated pyrite.	25658	26.00	28.00	2.00	11.	551.	149.	6800.	0.2
				25659	28.00	30.00	2.00	8.	454.	211.	5100.	0.2
30.00	32.00		20% Pyritic argillite; 10% limonitic intrusive.	25660	30.00	32.00	2.00	5.	233.	141.	4400.	0.5
32.00	38.00	ARG	Dark black pyritic argillite. 3-5% limonitic intrusive.	25661	32.00	34.00	2.00	1.	111.	38.	1100.	0.2
				25662	34.00	36.00	2.00	1.	320.	119.	1400.	0.3
36.00	38.00		20% Light grey pyritic quartz feldspar porphyry.	25663	36.00	38.00	2.00	10.	202.	48.	2300.	0.6
38.00	44.00	QFP	Light grey pyritic quartz feldspar porphyry. Feldspars moderately clay altered. 5% Argillite and limonitic intrusive (QFP)	25664	38.00	40.00	2.00	10.	208.	86.	1400.	0.3
				25665	40.00	42.00	2.00	2.	177.	76.	1000.	0.5
				25666	42.00	44.00	2.00	7.	111.	64.	720.	0.5
44.00	48.00	ARG	Dark black pyritic argillite.	25667	44.00	46.00	2.00	2.	82.	38.	760.	0.3
				25668	46.00	48.00	2.00	2.	76.	25.	1100.	0.4
48.00	50.00	QFP	Light grey pyritic quartz feldspar porphyry with 20% pyritic black argillite.	25669	48.00	50.00	2.00	8.	147.	32.	2600.	0.4

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMERY CREEK
HOLE No. : BCRC 90-158
Grid System : ORIGINAL
Collar Eastings : 21595.500
Collar Northings : 19770.000
Collar Elevations : 970.460
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00	3					3	4	1	
4.00	6.00	3					3	4	1	
6.00	8.00	3.5					3.5	4	2	
8.00	10.00	3.5					3.5	4	2	
10.00	12.00	3.5					3.5	4	2	
12.00	14.00	3.5				2.5	3.5	3	3	
14.00	16.00	3.5				2.5	3.5	3	2	
16.00	18.00	3				2	2.5		2	
18.00	20.00	3				1	2.5	2		TR
20.00	22.00	3				1	2.5	2R		TR
22.00	24.00	3				1	2.5	2		TR
24.00	26.00	3				1	2.5	2		TR
26.00	28.00	2.5					2.5	2		2
28.00	30.00	2.5					2.5	2		2
30.00	32.00	2.5					2.5	2	1	2
32.00	34.00							TR	1	7
34.00	36.00							TR	1	7
36.00	38.00							TR		7
38.00	40.00	2.5				2	2.5	TR		3
40.00	42.00	2.5					2.5	TR		3
42.00	44.00	2.5					2.5	TR		3
44.00	46.00									7
46.00	48.00									7
48.00	50.00	2.5					2.5			3

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-159
Grid System : ORIGINAL
Collar Eastings : 21596.560
Collar Northings : 19744.200
Collar Elevations : 962.330
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : R. DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	4.00	QFP	Light quartz feldspar porphyry with weak to moderately clay altered feldspar phenocrysts.	25670	2.00	4.00	2.00	480.	513.	747.	1900.	3.8
4.00	14.00	INT	Limonitic quartz rich intrusive with reddish brown hematitic staining and moderate to strong quartz stockwork.									
4.00	6.00		20% Bleached white intrusive.	25671	4.00	6.00	2.00	1130.	2204.	647.	4800.	1.9
				25672	6.00	8.00	2.00	1300.	2308.	746.	6700.	17.3
				25673	8.00	10.00	2.00	1130.	3022.	612.	3200.	3.1
				25674	10.00	12.00	2.00	5120.	3907.	7894.	6400.	2.7
12.00	14.00		Intense quartz stockwork.	25675	12.00	14.00	2.00	8830.	5079.	3206.	12000.	3.0
14.00	30.00	QFP	Medium to light grey pyritic quartz feldspar porphyry. Feldspars moderately to strongly clay altered.									
14.00	18.00		25% Limonitic quartz rich intrusive. Red-brown hematite staining.	25676	14.00	16.00	2.00	8210.	7240.	1610.	18000.	5.5
				25677	16.00	18.00	2.00	3750.	4143.	3975.	5400.	2.7
18.00	26.00		10% Limonitic intrusive.	25678	18.00	20.00	2.00	1530.	1679.	4535.	5200.	4.8
				25679	20.00	22.00	2.00	900.	1527.	2709.	2600.	1.8
				25680	22.00	24.00	2.00	250.	691.	244.	3600.	0.5
				25681	24.00	26.00	2.00	4250.	4365.	1283.	12000.	1.0
26.00	28.00		5% Limonitic intrusive.	25682	26.00	28.00	2.00	640.	1223.	1253.	13000.	0.6
28.00	30.00		20% Pyritic black argillite.	25683	28.00	30.00	2.00	57.	391.	102.	7600.	0.4
30.00	34.00	ARG	Dark black pyritic argillite.	25684	30.00	32.00	2.00	136.	606.	45.	2800.	0.4
				25685	32.00	34.00	2.00	190.	502.	32.	3600.	0.7
34.00	42.00	QFP	Light greyish green pyritic quartz feldspar porphyry. Strongly clay altered feldspar phenocrysts.	25686	34.00	36.00	2.00	77.	179.	92.	3300.	0.3
				25687	36.00	38.00	2.00	22.	193.	34.	1900.	0.4
				25688	38.00	40.00	2.00	17.	105.	39.	1800.	0.3
40.00	42.00		10% Pyritic black argillite.	25689	40.00	42.00	2.00	54.	124.	54.	1900.	0.2
42.00	44.00	ARG	Pyritic black argillite.	25690	42.00	44.00	2.00	32.	70.	33.	1100.	0.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-159

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
44.00	46.00	QFP	Light greyish green pyritic quartz feldspar porphyry.	25691	44.00	46.00	2.00	74.	111.	34.	2900.	0.4
46.00	50.00	ARG	Dark black pyritic argillite.	25692	46.00	48.00	2.00	56.	141.	46.	2700.	0.2
				25693	48.00	50.00	2.00	87.	107.	47.	1300.	0.4

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-159
Grid System : ORIGINAL
Collar Eastings : 21596.560
Collar Northings : 19744.200
Collar Elevations : 962.330
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : R. DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2.5				2	1	1														
4.00	6.00	3.5				2.5	4	3														
6.00	8.00	3.5			2	3.5	4	3														
8.00	10.00	3.5				3.5	4	3														
10.00	12.00	3.5			2	3.5	4	3														
12.00	14.00	3.5				4	2	4														
14.00	16.00	3			2	3	1	1		2												
16.00	18.00	2.5			3	3	1	1		2												
18.00	20.00	2.5			3	2	TR			2												
20.00	22.00	2.5			3	2	TR			2												
22.00	24.00	2.5			3	2	TR			2												
24.00	26.00	2.5			3	2	TR			2												
26.00	28.00	2.5			3	2	TR			2												
28.00	30.00	2.5			3	2	TR			2												
30.00	32.00				3					5												
32.00	34.00				3					5												
34.00	36.00	2			3	2				3												
36.00	38.00	2			3	2				3												
38.00	40.00	2			3	2				3												
40.00	42.00	2			3	2				3												
42.00	44.00				3					5												
44.00	46.00	2			3	2		1		3												
46.00	48.00				3					5												
48.00	50.00				3					5												

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-160
Grid System : ORIGINAL
Collar Eastings : 21597.590
Collar Northings : 19723.060
Collar Elevations : 956.720
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : R. DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	20.00	INT	Limonitic quartz rich intrusive. Minor quartz stockwork.	25694	2.00	4.00	2.00	103.	223.	260.	1700.	0.2
2.00	6.00			25695	4.00	6.00	2.00	32.	221.	159.	3900.	0.1
6.00	8.00		Moderate quartz stockwork. Reddish brown hematite staining.	25696	6.00	8.00	2.00	740.	2168.	601.	41000.	3.3
8.00	20.00		40-50% Light to medium grey pyritic quartz feldspar porphyry. Limonitic intrusive contains reddish brown hematite staining. Minor quartz stockwork.	25697	8.00	10.00	2.00	320.	733.	215.	6500.	0.4
				25698	10.00	12.00	2.00	2010.	1868.	459.	7500.	0.4
				25699	12.00	14.00	2.00	3010.	3245.	4711.	19000.	0.8
				25700	14.00	16.00	2.00	3510.	3314.	6496.	51000.	1.0
				25701	16.00	18.00	2.00	880.	1050.	8635.	12000.	0.1
				25702	18.00	20.00	2.00	640.	759.	2004.	7200.	0.1
20.00	40.00	QFP	Light grey to white pyritic quartz feldspar porphyry. 10-15% Limonitic intrusive Minor quartz stockwork. Quartz feldspar porphyry more of a whiter colour. Less altered and contains less pyrite. (1%).	25703	20.00	22.00	2.00	1120.	1598.	1471.	12000.	0.8
				25704	22.00	24.00	2.00	2130.	3174.	595.	11000.	0.8
				25705	24.00	26.00	2.00	2010.	2379.	1333.	8800.	0.6
26.00	34.00			25706	26.00	28.00	2.00	840.	1404.	1358.	7200.	0.2
				25707	28.00	30.00	2.00	101.	518.	797.	5200.	0.1
				25708	30.00	32.00	2.00	560.	1434.	625.	3100.	0.8
				25709	32.00	34.00	2.00	151.	448.	276.	3300.	0.3
				25710	34.00	36.00	2.00	710.	958.	2676.	1600.	1.0
				25711	36.00	38.00	2.00	1320.	1823.	3087.	2000.	1.2
38.00	40.00		5% Argillite.	25712	38.00	40.00	2.00	780.	2198.	218.	3900.	0.3
40.00	42.00	ARG	Dark black pyritic argillite.	25713	40.00	42.00	2.00	103.	689.	183.	2900.	0.5
42.00	46.00	QFP	Light greenish-grey pyritic quartz feldspar porphyry with minor apple green clay mineral.	25714	42.00	44.00	2.00	240.	869.	272.	2500.	0.4
				25715	44.00	46.00	2.00	54.	106.	138.	1300.	0.2
46.00	50.00	ARG	Dark black pyritic argillite. 10% Quartz feldspar porphyry.	25716	46.00	48.00	2.00	17.	97.	38.	2100.	0.5
46.00	48.00			25717	48.00	50.00	2.00	70.	102.	39.	3500.	0.5

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-160
Grid System : ORIGINAL
Collar Eastings : 21597.590
Collar Northings : 19723.060
Collar Elevations : 956.720
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : R. DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES

FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00	3				2.5	3	1	1	
4.00	6.00	3				2.5	1	1	1	
6.00	8.00	3			2	2.5	3	2	1	
8.00	10.00	3			2	2.5	2	1	1	
10.00	12.00	3			2	2.5	2	1	1	
12.00	14.00	3				2.5	2	1	1	
14.00	16.00	3				2.5	2	1	1	
16.00	18.00	3			2	2.5	2		1	
18.00	20.00	3			2	2.5	1		2	
20.00	22.00	2.5			3	2.5	TR		2	
22.00	24.00	2.5			3	2.5	TR		2	
24.00	26.00	2			3	1.5	TR		2	
26.00	28.00	2			3	1.5	TR		1	
28.00	30.00	2			3	1.5	TR		1	
30.00	32.00	2			3	1.5	TR		1	
32.00	34.00	2			3	1.5	TR		1	
34.00	36.00	3			3	2.5	TR	1	3	
36.00	38.00	3			3	2.5	TR	1	3	
38.00	40.00	3			3	2.5	TR		2	
40.00	42.00				3				5	
42.00	44.00	2			3	2.5			3	
44.00	46.00	2			2	2.5			3	
46.00	48.00				1				5	
48.00	50.00				1				5	

GEOTECHNICAL SAMPLES

FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-161
Grid System : ORIGINAL
Collar Eastings : 21769.380
Collar Northings : 19840.610
Collar Elevations : 994.050
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : R. DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	4.00	ARG	Argillite; clay rich with 10% limonitic intrusive.	25718	2.00	4.00	2.00	137.	369.	71.	1600.	0.3
4.00	26.00	INT	Limonitic quartz rich intrusive with moderate quartz stockwork veining. Hematite staining on quartz.	25719	4.00	6.00	2.00	210.	364.	145.	4100.	0.1
6.00	12.00		Moderate to strong quartz stockwork.	25720	6.00	8.00	2.00	380.	606.	320.	3500.	0.5
				25721	8.00	10.00	2.00	260.	672.	173.	3600.	0.1
				25722	10.00	12.00	2.00	26.	373.	162.	4000.	0.1
				25723	12.00	14.00	2.00	13.	285.	137.	4200.	0.1
				25724	14.00	16.00	2.00	13.	573.	187.	1100.	0.1
16.00	18.00		Clay rich with moderate-strong quartz stockwork. Few chips in washed split.	25725	16.00	18.00	2.00	14.	581.	160.	1050.	0.1
				25726	18.00	20.00	2.00	17.	354.	101.	310.	0.1
				25727	20.00	22.00	2.00	8.	132.	55.	610.	0.1
22.00	26.00		Very clay rich with moderate-strong quartz stockwork. Few chips in washed split.	25728	22.00	24.00	2.00	6.	308.	48.	430.	0.1
				25729	24.00	26.00	2.00	63.	546.	41.	680.	0.3
26.00	36.00	F*INT	Weakly limonitic, greenish-grey biotite rich intrusive. Few chips in washed splits.									
26.00	30.00		Clay rich.	25730	26.00	28.00	2.00	12.	316.	45.	150.	0.2
				25731	28.00	30.00	2.00	17.	409.	49.	80.	0.4
				25732	30.00	32.00	2.00	24.	624.	53.	70.	0.8
				25733	32.00	34.00	2.00	11.	345.	29.	80.	0.5
				25734	34.00	36.00	2.00	10.	217.	28.	60.	0.6
36.00	40.00	INT	Limonitic quartz rich altered intrusive with minor clear quartz and moderate quartz stockwork.	25735	36.00	38.00	2.00	60.	961.	51.	130.	1.9
				25736	38.00	40.00	2.00	23.	931.	64.	160.	0.7
40.00	42.00		1-2% Fresh black biotite.	25737	40.00	42.00	2.00	102.	686.	95.	750.	0.4
42.00	46.00		Moderate to strong quartz stockwork. Minor reddish brown hematite staining.	25738	42.00	44.00	2.00	1780.	1862.	54.	930.	0.6
				25739	44.00	46.00	2.00	24.	307.	113.	1900.	0.5

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-161

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				25740	46.00	48.00	2.00	1.	268.	94.	1800.	0.3
48.00	52.00	ARG	Dark black argillite.	25741	48.00	50.00	2.00	3.	146.	35.	580.	0.2
				25742	50.00	52.00	2.00	18.	277.	64.	1300.	1.7

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-161
Grid System : ORIGINAL
Collar Eastings : 21769.380
Collar Northings : 19840.610
Collar Elevations : 994.050
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : R. DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00																					
4.00	6.00	3				3	1	1														
6.00	8.00	3				3	4	2.5														
8.00	10.00	3				3	4	2.5														
10.00	12.00	3				3	4	2.5														
12.00	14.00	3				3	4	2.5														
14.00	16.00	3				3	4	2.5														
16.00	18.00	3.5				3	4	2.5														
18.00	20.00	3.5				3	3	2.5														
20.00	22.00	3.5				3	3	1.5														
22.00	24.00	3.5				3	3	2.5														
24.00	26.00	3.5				3	3	2.5														
26.00	28.00	2				1.5	1															
28.00	30.00	2				1.5	1															
30.00	32.00	2				1.5	1															
32.00	34.00	2				1.5	1															
34.00	36.00	2				1.5	1															
36.00	38.00	3				3	3	2														
38.00	40.00	3				3	3	2														
40.00	42.00	3				3	1	2														
42.00	44.00	3				3.5	4	3														
44.00	46.00	3				3.5	4	3														
46.00	48.00	3				3	3	2														
48.00	50.00								1													
50.00	52.00								1													

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-162
Grid System : ORIGINAL
Collar Eastings : 21817.800
Collar Northings : 19904.600
Collar Elevations : 1001.600
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : R. DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	44.00	INT	Limonitic quartz rich intrusive.	25743	2.00	4.00	2.00	36.	671.	93.	1900.	0.4
				25744	4.00	6.00	2.00	300.	886.	154.	2600.	0.4
				25745	6.00	8.00	2.00	840.	1165.	321.	2300.	2.4
				25746	8.00	10.00	2.00	1730.	1502.	269.	3100.	1.9
10.00	12.00		50% Clay rich argillite - few chips; fault?	25747	10.00	12.00	2.00	1760.	1584.	236.	2200.	1.0
12.00	14.00		Red-brown hematite staining. Moderate quartz stockwork.	25748	12.00	14.00	2.00	10250.	2063.	173.	4500.	2.6
14.00	16.00		20% Clay rich argillite (fault). Intrusive contains moderate quartz stockwork.	25749	14.00	16.00	2.00	3510.	1215.	111.	10000.	1.2
16.00	30.00		Moderate hematite staining on quartz with	25750	16.00	18.00	2.00	1380.	913.	54.	8300.	0.4
			10-20% clay rich argillite (gouge -	25751	18.00	20.00	2.00	670.	554.	55.	8600.	0.2
			fault?). Minor quartz stockwork.	25752	20.00	22.00	2.00	220.	536.	29.	5200.	0.2
			Note: 24m to 30m;	25753	22.00	24.00	2.00	1450.	1029.	33.	5000.	0.3
			Absence of clay rich argillite (fault	25754	24.00	26.00	2.00	310.	663.	29.	3800.	0.2
			gouge). Moderate quartz stockwork.	25755	26.00	28.00	2.00	180.	537.	43.	5100.	0.1
				25756	28.00	30.00	2.00	3.	347.	33.	3900.	0.1
30.00	34.00		20% Light grey quartz feldspar porphyry.	25757	30.00	32.00	2.00	5.	192.	17.	5200.	0.1
			Weakly clay altered feldspars; 10% clay rich argillite?	25758	32.00	34.00	2.00	4.	195.	16.	5700.	0.1
34.00	42.00		Moderate quartz stockwork with minor	25759	34.00	36.00	2.00	12.	227.	21.	3300.	0.1
			hematite staining.	25760	36.00	38.00	2.00	1.	200.	26.	2300.	0.1
				25761	38.00	40.00	2.00	1.	188.	18.	6300.	0.1
				25762	40.00	42.00	2.00	720.	597.	30.	9000.	0.2
42.00	44.00		Darker reddish brown. Increase in hematite.	25763	42.00	44.00	2.00	6.	239.	25.	4800.	0.1
44.00	50.00	ARG	Dark black argillite.	25764	44.00	46.00	2.00	1.	169.	25.	2300.	0.4
				25765	46.00	48.00	2.00	3.	54.	14.	1700.	0.6
				25766	48.00	50.00	2.00	26.	80.	16.	1700.	0.8

MORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-162
Grid System : ORIGINAL
Collar Eastings : 21817.800
Collar Northings : 19904.600
Collar Elevations : 1001.600
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : R. DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

GEOCHEMICAL SAMPLES

FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00	3					3	3	2	
4.00	6.00	3					3	3	2	
6.00	8.00	3					3	3	2	
8.00	10.00	3					3	3	2	
10.00	12.00	3.5					3	3	2	
12.00	14.00	3					3	5	2.5	
14.00	16.00	3					3	3	2	
16.00	18.00	3					3	3	2	
18.00	20.00	3					3	3	2	
20.00	22.00	3					3	3	2	
22.00	24.00	3					3	3	2	
24.00	26.00	2.5					3.5	3	3	
26.00	28.00	2.5					3	4	2	
28.00	30.00	2.5					3	3	2	
30.00	32.00	2.5					3	3	1	
32.00	34.00	2.5					3	1	1	
34.00	36.00	2.5					3	3	2	
36.00	38.00	2.5					3	3	2	
38.00	40.00	2.5					3	3	2	
40.00	42.00	2.5					3	4	2.5	
42.00	44.00	2.5					3	3		
44.00	46.00	2.5					3	4		
46.00	48.00									1
48.00	50.00									1

GEOTECHNICAL SAMPLES

FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMERY CREEK
HOLE No. : BCRC 90-163
Grid System : ORIGINAL
Collar Eastings : 21816.300
Collar Northings : 19878.900
Collar Elevations : 993.600
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : R. DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	18.00	INT	Limonitic quartz rich intrusive.	25767	2.00	4.00	2.00	92.	511.	39.	5800.	0.2
				25768	4.00	6.00	2.00	45.	617.	36.	4900.	0.3
6.00	12.00		1-2% Fresh black biotite. Few chips in washed split (clay rich?).	25769	6.00	8.00	2.00	20.	516.	24.	3200.	0.2
				25770	8.00	10.00	2.00	18.	513.	27.	4800.	0.1
				25771	10.00	12.00	2.00	41.	637.	34.	1400.	0.3
12.00	18.00		Lacks biotite and contains minor quartz stockwork.	25772	12.00	14.00	2.00	9.	594.	27.	3600.	0.3
				25773	14.00	16.00	2.00	310.	895.	31.	9600.	0.6
				25774	16.00	18.00	2.00	39.	387.	20.	1700.	0.4
18.00	20.00	P*INT	Weakly limonitic biotite rich intrusive. Few chips in washed split.	25775	18.00	20.00	2.00	32.	342.	20.	1000.	0.2
20.00	32.00	INT	Limonitic quartz rich intrusive.									
20.00	24.00		Minor quartz stockwork.	25776	20.00	22.00	2.00	16.	409.	44.	2900.	0.2
				25777	22.00	24.00	2.00	49.	722.	82.	4400.	0.2
24.00	28.00		Intense quartz stockwork.	25778	24.00	26.00	2.00	4640.	1026.	67.	4900.	1.8
				25779	26.00	28.00	2.00	4030.	1873.	185.	7500.	1.0
28.00	32.00		Moderate-strong quartz stockwork with minor hematite staining.	25780	28.00	30.00	2.00	290.	1622.	45.	9200.	0.4
				25781	30.00	32.00	2.00	2450.	2798.	47.	6800.	0.6
32.00	40.00	ARG	Dark black argillite.									
32.00	34.00		10% Limonitic intrusive.	25782	32.00	34.00	2.00	1050.	1986.	42.	8800.	0.9
				25783	34.00	36.00	2.00	250.	651.	19.	2700.	0.4
				25784	36.00	38.00	2.00	35.	638.	17.	1700.	0.3
38.00	40.00		Clay rich argillite. Fault gouge?	25785	38.00	40.00	2.00	30.	650.	17.	1100.	0.1

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-163
Grid System : ORIGINAL
Collar Eastings : 21816.300
Collar Northings : 19878.900
Collar Elevations : 993.600
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : R. DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	3					3	2														
4.00	6.00	3						5														
6.00	8.00	3						5														
8.00	10.00	3						5														
10.00	12.00	3						5														
12.00	14.00	3						2	1													
14.00	16.00	3						4	1													
16.00	18.00	3						3	4													
18.00	20.00	1.5					1.5	3														
20.00	22.00	3					3.5	3	1													
22.00	24.00	3					3.5	3	1													
24.00	26.00	3					3.5	3	4													
26.00	28.00	3					3.5	3	4													
28.00	30.00	3					3.5	3	3													
30.00	32.00	3					3.5	3	3													
32.00	34.00									1												
34.00	36.00									1												
36.00	38.00									1												
38.00	40.00	3.5								1												

PROPERTY : BREMERY CREEK
HOLE No. : BCRC 90-164
Grid System : ORIGINAL
Collar Eastings : 21810.300
Collar Northings : 19855.200
Collar Elevations : 987.400
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : R. DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	16.00	INT	Limonitic quartz rich intrusive. Few chips in washed split (clay rich?).	25786	2.00	4.00	2.00	30.	243.	19.	4000.	0.2
				25787	4.00	6.00	2.00	14.	155.	25.	3500.	0.1
				25788	6.00	8.00	2.00	8.	164.	26.	7700.	0.2
				25789	8.00	10.00	2.00	24.	316.	49.	6400.	0.1
				25790	10.00	12.00	2.00	5.	292.	72.	3800.	0.1
10.00	12.00		Poor recovery in washed split (clay rich).	25791	12.00	14.00	2.00	190.	654.	279.	6800.	0.3
12.00	14.00		Reddish brown colour (hematite); minor quartz stockwork.	25792	14.00	16.00	2.00	34.	341.	150.	2900.	0.1
16.00	24.00	F*INT	Light greyish green biotite and quartz rich intrusive. 5% Rusty limonitic quartz.	25793	16.00	18.00	2.00	11.	104.	37.	620.	0.1
				25794	18.00	20.00	2.00	5.	139.	50.	230.	0.1
				25795	20.00	22.00	2.00	11.	167.	53.	440.	0.1
22.00	24.00		Few chips in washed split. Lesser biotite with 30-40% rusty quartz.	25796	22.00	24.00	2.00	33.	257.	50.	130.	0.2
24.00	26.00	ARG	Black argillite with 40% white and rusty quartz.	25797	24.00	26.00	2.00	27.	266.	28.	190.	0.1
26.00	30.00	INT	Limonitic quartz rich intrusive. Moderate quartz stockwork. 20% Argillite. Rusty hematitic quartz.	25798	26.00	28.00	2.00	6.	304.	34.	400.	0.2
28.00	30.00			25799	28.00	30.00	2.00	8.	209.	24.	310.	0.1
30.00	34.00	QPP	Medium grey biotite rich quartz feldspar porphyry with minor rusty limonitic staining (10%).	25800	30.00	32.00	2.00	13.	122.	19.	150.	0.1
				25801	32.00	34.00	2.00	8.	121.	29.	140.	0.2
34.00	44.00	INT	Limonitic quartz rich intrusive with 5% clear quartz and minor quartz stockwork. Reddish brown colour (hematite staining). 10% Light grey quartz feldspar porphyry. 20% Light grey quartz feldspar porphyry with 30% argillite.	25802	34.00	36.00	2.00	12.	259.	62.	230.	0.5
36.00	40.00			25803	36.00	38.00	2.00	4.	183.	37.	100.	0.4
40.00	42.00			25804	38.00	40.00	2.00	12.	365.	66.	180.	0.4
42.00	44.00			25805	40.00	42.00	2.00	49.	386.	49.	380.	0.3
				25806	42.00	44.00	2.00	8.	309.	31.	860.	0.5
44.00	50.00	ARG	Dark black graphitic argillite with 1-2%	25807	44.00	46.00	2.00	63.	198.	19.	760.	0.5

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-164

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			pyrite.	25808	46.00	48.00	2.00	5.	126.	14.	480.	0.6
				25809	48.00	50.00	2.00	2.	107.	16.	830.	0.6

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-164
Grid System : ORIGINAL
Collar Eastings : 21810.300
Collar Northings : 19855.200
Collar Elevations : 987.400
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : R. DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

GEOCHEMICAL SAMPLES												GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Ltz Stock	Sulfide %		FROM	TO	Recovery %	Lim %	Breakage	S %	Veins %	Bxg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2.5					2.5	3															
4.00	6.00	3					3	3															
6.00	8.00	2.5					2.5	3															
8.00	10.00	2.5					2.5	3															
10.00	12.00	3					3	3															
12.00	14.00	2.5					1	5	1														
14.00	16.00	2.5					2.5	3															
16.00	18.00	2					1	2															
18.00	20.00	2					1	2															
20.00	22.00	2					1	2															
22.00	24.00	2.5					1	3	2														
24.00	26.00	2.5					3	2															
26.00	28.00	3					3	4	2														
28.00	30.00	3					3	5	2														
30.00	32.00	2			1		2	2															
32.00	34.00	2			1		2	2															
34.00	36.00	3					3	3	2														
36.00	38.00	3					3	3	2														
38.00	40.00	3					3	4	2														
40.00	42.00	3					3	2	1														
42.00	44.00	2.5			1		3	2	1														
44.00	46.00									2													
46.00	48.00									2													
48.00	50.00									2													

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-165
Grid System : ORIGINAL
Collar Eastings : 21961.000
Collar Northings : 19965.300
Collar Elevations : 991.100
Collar Bearing : 999.9°
Grid Baseline : 61.00

Collar Inclinat. : -90.00
Grid Bearing : 156.00
Final Depth : 48.00
Claim No. :

Logged By : E. DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : E

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	4.00	F*INT	Greyish green quartz and biotite rich intrusive.	25810	2.00	4.00	2.00	4.	12.	..	140.	0.2
4.00	20.00	INT	Limonitic quartz rich intrusive.									
4.00	6.00		1% Black biotite.	25811	4.00	6.00	2.00	4.	14.	1.	380.	0.4
6.00	10.00		Minor quartz stockwork.	25812	6.00	8.00	2.00	5.	122.	11.	4400.	1.4
				25813	8.00	10.00	2.00	1.	152.	1.	5400.	1.2
				25814	10.00	12.00	2.00	4.	88.	1.	4600.	1.0
				25815	12.00	14.00	2.00	5.	174.	1.	6800.	1.4
				25816	14.00	16.00	2.00	17.	171.	1.	9100.	1.3
				25817	16.00	18.00	2.00	4.	14.	1.	6300.	1.1
				25818	18.00	20.00	2.00	1.	12.	17.	700.	0.4
20.00	34.00	ARG	Dark grey to black argillite/mudstone.									
20.00	22.00		10% Limonitic intrusive.	25819	20.00	22.00	2.00	4.	111.	14.	1500.	0.5
				25820	22.00	24.00	2.00	1.	11.	1.	430.	0.4
				25821	24.00	26.00	2.00	1.	11.	4.	150.	0.3
				25822	26.00	28.00	2.00	1.	17.	1.	100.	0.3
				25823	28.00	30.00	2.00	1.	11.	4.	110.	0.4
				25824	30.00	32.00	2.00	1.	11.	1.	120.	0.5
				25825	32.00	34.00	2.00	1.	12.	1.	110.	0.3
34.00	40.00	INT	Limonitic quartz rich intrusive. Minor quartz stockwork.	25826	34.00	36.00	2.00	1.	14.	11.	120.	0.2
36.00	38.00		10% Argillite.	25827	36.00	38.00	2.00	1.	41.	11.	100.	0.2
38.00	40.00		Reddish brown hematite staining.	25828	38.00	40.00	2.00	1.	44.	1.	200.	0.3
40.00	48.00	ARG	Medium grey to black argillite/mudstone.	25829	40.00	42.00	2.00	1.	11.	1.	170.	0.5
			Weakly limonitic on fracture surfaces.	25830	42.00	44.00	2.00	1.	21.	1.	190.	0.4
				25831	44.00	46.00	2.00	1.	11.	1.	440.	0.3
				25832	46.00	48.00	2.00	1.	11.	1.	680.	0.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-165
Grid System : ORIGINAL
Collar Eastings : 21961.000
Collar Northings : 19965.300
Collar Elevations : 991.[illegible]
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 48.00
Claim No. :

Logged By : R. DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BQ

FROM	TO	Arg	Sil	Ser	GEOCHEMICAL SAMPLES Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00	1.5			2	1	1			
4.00	6.00	3				2	3	1		
6.00	8.00	2.5				2.5	3	1		
8.00	10.00	2.5				2.5	3	1		
10.00	12.00	2			2	2.5	3			
12.00	14.00	2			2	2.5	3			
14.00	16.00	2			1	2.5	3			
16.00	18.00	2			1	2.5	3			
18.00	20.00	2			1	2	3			
20.00	22.00								1	
22.00	24.00								1	
24.00	26.00								1	
26.00	28.00								1	
28.00	30.00								1	
30.00	32.00									
32.00	34.00									
34.00	36.00	2.5				2.5	3	1		
36.00	38.00	2.5				2.5	4	1		
38.00	40.00	2.5				2.5	4	1		
40.00	42.00								1	
42.00	44.00								1	
44.00	46.00								1	
46.00	48.00								1	

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Sz	Veins %	Bio	Struc	Color	Sulph %	QuartzCirCode %

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-166
Grid System : ORIGINAL
Collar Eastings : 21956.43
Collar Northings : 19941.230
Collar Elevations : 988.780
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : E. DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au PPB	As PPB	S PPT	Hg PPB	Au PPB
0.00	2.00	CASING	Casing.									
2.00	18.00	F*INT	Light greenish grey biotite, quartz rich intrusive. 10% Limonitic intrusive. Feldspars are moderately clay altered.	25833	2.00	4.00	2.00	6.	16.	4.	160.	0.3
4.00	8.00		10% Limonitic intrusive.	25834	4.00	6.00	2.00	1.	21.	7.	260.	0.3
				25835	6.00	8.00	2.00	1.	24.	3.	260.	0.2
				25836	8.00	10.00	2.00	1.	33.	14.	150.	0.2
				25837	10.00	12.00	2.00	4.	24.	11.	120.	0.3
				25838	12.00	14.00	2.00	1.	9.	1.	230.	0.1
				25839	14.00	16.00	2.00	1.	8.	1.	180.	0.1
				25840	16.00	18.00	2.00	1.	11.	1.	70.	0.2
18.00	20.00	INT	Limonitic quartz rich intrusive with trace-1% black biotite.	25841	18.00	20.00	2.00	1.	14.	4.	1300.	0.1
20.00	22.00	F*INT	Light greenish grey biotite and quartz rich intrusive.	25842	20.00	22.00	2.00	1.	12.	4.	220.	0.1
22.00	28.00	INT	Limonitic quartz rich intrusive.									
22.00	24.00		30% Biotite rich intrusive.	25843	22.00	24.00	2.00	1.	46.	1.	250.	0.1
24.00	26.00		Moderate quartz stockwork veining.	25844	24.00	26.00	2.00	9.	181.	7.	1500.	0.1
26.00	28.00		30% Medium grey quartz; strong quartz stockwork.	25845	26.00	28.00	2.00	8.	115.	4.	1200.	0.1
28.00	30.00	ARG	Dark black argillite. 10% Limonitic intrusive.	25846	28.00	30.00	2.00	1.	9.	4.	280.	0.1
30.00	32.00	INT	Limonitic quartz rich intrusive. 20% Argillite; 10% rusty quartz. Moderate quartz stockwork.	25847	30.00	32.00	2.00	6.	91.	11.	1800.	0.1
32.00	34.00	ARG	Dark black argillite. 10% Limonitic intrusive.	25848	32.00	34.00	2.00	2.	16.	1.	1300.	0.3
34.00	38.00	INT	Limonitic quartz rich intrusive. Minor	25849	34.00	36.00	2.00	2.	164.	11.	2000.	0.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-166

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			quartz stockwork and reddish brown hematite staining.	25850	36.00	38.00	2.00	7.	114.	1.	1800.	0.1
38.00	50.00	ARG	Dark grey to black argillite.	25851	38.00	40.00	2.00	4.	18.	1.	800.	0.2
40.00	42.00		50% Clay rich soft mudstone.	25852	40.00	42.00	2.00	2.	45.	11.	1300.	1.0
				25853	42.00	44.00	2.00	8.	66.	17.	1300.	3.2
				25854	44.00	46.00	2.00	10.	34.	7.	1500.	0.9
46.00	48.00		50% Soft clay rich mudstone.	25855	46.00	48.00	2.00	5.	14.	1.	2600.	0.4
				25856	48.00	50.00	2.00	11.	25.	7.	4000.	0.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-166
Grid System : ORIGINAL
Collar Eastings : 21456.400
Collar Northings : 19941.800
Collar Elevations : 935.700
Collar Bearing : 999.99
Grid Baseline : 66.66

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

PAGE : 1

Logged By : B. DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : E

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Ser	Pot	Carb	Phyl	Lim %	Qtz Stock	Sulfide %	FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakags	Sx %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.00	4.00	2					2																
4.00	6.00	2					2																
6.00	8.00	2					2																
8.00	10.00	2					2																
10.00	12.00	2					2																
12.00	14.00	2					2																
14.00	16.00	2					2																
16.00	18.00	2			1		2																
18.00	20.00	2.5					2.5																
20.00	22.00	2					2																
22.00	24.00	3					2																
24.00	26.00	3					3	4	2														
26.00	28.00	3					3.5	4	3														
28.00	30.00																						
30.00	32.00	2.5					2.5	4	2														
32.00	34.00																						
34.00	36.00						2.5	3	1														
36.00	38.00	2.5					2.5	3	1														
38.00	40.00																						
40.00	42.00																						
42.00	44.00																						
44.00	46.00																						
46.00	48.00																						
48.00	50.00																						

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-167
Grid System : ORIGINAL
Collar Eastings : 21947.700
Collar Northings : 19917.900
Collar Elevations : 980.600
Collar Bearing : 999.99
Grid Baseline : 66.60

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

PAGE : 1

Logged By : B. DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BQ

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	26.00	INT	Limonitic quartz rich intrusive.									
2.00	4.00		Minor quartz stockwork.	025857	2.00	4.00	2.00	940.	1749.	11.	9200.	0.6
4.00	6.00		Trace of black biotite. Minor hairline quartz stockwork.	025858	4.00	6.00	2.00	910.	1757.	11.	6600.	0.5
6.00	8.00		10% Rusty hematite stained quartz. Moderate quartz stockwork.	025859	6.00	8.00	2.00	4450.	3172.	14.	8600.	0.8
				025860	8.00	10.00	2.00	600.	1161.	10.	5000.	0.1
10.00	12.00		Minor rusty quartz, light grey quartz feldspar porphyry with trace of stibnite.	025861	10.00	12.00	2.00	99.	356.	3.	7300.	0.1
12.00	14.00		Minor rusty quartz.	025862	12.00	14.00	2.00	560.	858.	11.	7800.	0.3
14.00	16.00		Moderate quartz stockwork.	025863	14.00	16.00	2.00	450.	927.	9.	12000.	0.3
				025864	16.00	18.00	2.00	480.	942.	10.	13000.	0.3
18.00	20.00		Strong quartz stockwork. 70% clear rusty quartz.	025865	18.00	20.00	2.00	520.	1280.	10.	19000.	0.2
20.00	24.00		Moderate to strong quartz stockwork.	025866	20.00	22.00	2.00	1880.	2217.	22.	13000.	0.4
			Slightly redder colour-hematite staining.	025867	22.00	24.00	2.00	1280.	1974.	22.	10000.	0.5
24.00	26.00		20% Argillite; 20% rusty quartz. Moderate quartz stockwork.	025868	24.00	26.00	2.00	97.	1760.	10.	9400.	0.3
26.00	34.00	ARG	Medium to dark grey argillite.	025869	26.00	28.00	2.00	17.	357.	2.	2300.	0.
				025870	28.00	30.00	2.00	16.	125.	10.	1800.	0.2
				025871	30.00	32.00	2.00	58.	112.	1.	300.	0.3
32.00	34.00		10% Limonitic quartz rich intrusive.	025872	32.00	34.00	2.00	54.	252.	2.	410.	0.2
34.00	42.00	INT	Limonitic quartz rich intrusive.	025873	34.00	36.00	2.00	50.	416.	15.	7500.	0.1
				025874	36.00	38.00	2.00	6.	224.	14.	5700.	0.1
38.00	40.00		Minor quartz stockwork.	025875	38.00	40.00	2.00	1.	316.	15.	7100.	0.1
40.00	42.00		Minor quartz stockwork. Clay rich.	025876	40.00	42.00	2.00	9.	197.	10.	2800.	0.3
42.00	50.00	ARG	Dark black graphitic argillite.	025877	42.00	44.00	2.00	3.	47.	12.	3300.	0.4
				025878	44.00	46.00	2.00	3.	34.	10.	5200.	0.3
				025879	46.00	48.00	2.00	2.	122.	21.	4500.	0.3
				025880	48.00	50.00	2.00	6.	157.	11.	5800.	0.4

N I R A N I A N E X P L O R A T I O N C O . L T D .
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-167
Grid System : ORIGINAL
Collar Eastings : 21947.70E
Collar Northings : 10917.50N
Collar Elevations : 980.00
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : P. DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BQ

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Ser	Pot	Carb	Phyl	Dis %	Qtz Stock	S..fide %
2.00	4.00	3					3	3	1	
4.00	6.00	3					3	3	1	
6.00	8.00	3					3	3	2	
8.00	10.00	3			1		3	3		
10.00	12.00	3			2		3	3	1	TR
12.00	14.00	3			2		3	2	1	
14.00	16.00	3			2		3	2	2	
16.00	18.00	3					3.5	2	3	
18.00	20.00	3					3.5	2	3.5	
20.00	22.00	3					3.5	2	3	
22.00	24.00	3					3.5	3	3	
24.00	26.00	3					3	3	2	
26.00	28.00									
28.00	30.00									
30.00	32.00									
32.00	34.00									
34.00	36.00	3					2	3		
36.00	38.00	3					2	3		
38.00	40.00	3					2	3		
40.00	42.00	3.5					2	3	1	
42.00	44.00									
44.00	46.00									
46.00	48.00									
48.00	50.00									

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Sa %	Weath %	Bdg	Struc	Color	Sulph %	QuartzCirCont %

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-168
Grid System : ORIGINAL
Collar Eastings : 21951.300
Collar Northings : 19887.700
Collar Elevations : 965.[illegible]
Collar Bearing : 999.[illegible]
Grid Baseline : 66.[illegible]

Collar Inclination : -90.00
Hole Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : E. DIMENT
Date : -
Downhole Survey :
Drilled by : MIDNIGHT SUN
Core Size : BQ

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	Ag ppm	Sb ppm	Hg ppb	As ppm
0.00	2.00	CASING	Casing.									
2.00	12.00	ARG	Dark grey to black argillite/mudstone. Clay rich.	025881	2.00	4.00	2.00	96.	447.	51.	2500.	0.6
				025882	4.00	6.00	2.00	37.	262.	19.	1500.	0.2
				025883	6.00	8.00	2.00	19.	179.	11.	1100.	0.2
				025884	8.00	10.00	2.00	14.	277.	17.	1200.	0.3
				025885	10.00	12.00	2.00	109.	501.	28.	1800.	0.3
12.00	14.00	INT	Limonitic quartz rich intrusive bleached white with minor quartz stockwork.	025886	12.00	14.00	2.00	52.	354.	17.	3800.	0.8
14.00	20.00	ARG	Dark grey to black argillite/mudstone. Clay rich.	025887	14.00	16.00	2.00	14.	150.	14.	2700.	0.5
				025888	16.00	18.00	2.00	8.	94.	15.	2600.	0.1
				025889	18.00	20.00	2.00	7.	130.	10.	3400.	0.3
20.00	48.00	INT	Limonitic quartz rich intrusive.									
20.00	22.00		50% Argillite.	025890	20.00	22.00	2.00	370.	708.	14.	5600.	0.6
22.00	28.00		Moderate quartz stockwork.	025891	22.00	24.00	2.00	122.	476.	12.	7400.	0.3
				025892	24.00	26.00	2.00	550.	1711.	27.	12000.	0.5
				025893	26.00	28.00	2.00	22.	702.	15.	7860.	0.3
				025894	28.00	30.00	2.00	2.	412.	[illegible].	7000.	0.1
				025895	30.00	32.00	2.00	21.	536.	11.	6800.	0.3
				025896	32.00	34.00	2.00	4.	203.	13.	7200.	0.1
34.00	36.00		Minor quartz stockwork.	025897	34.00	36.00	2.00	3.	459.	11.	4800.	0.[illegible]
36.00	40.00		Clay rich bleached intrusive with redder hematite staining.	025898	36.00	38.00	2.00	3.	317.	11.	3200.	0.[illegible]
				025899	38.00	40.00	2.00	2.	459.	12.	1200.	0.[illegible]
40.00	42.00		Blue grey quartz rich intrusive, weakly limonitic. Trace-1% biotite.	025900	40.00	42.00	2.00	6.	171.	[illegible].	560.	0.[illegible]
42.00	46.00		20% Light grey quartz feldspar porphyry. Moderate quartz stockwork.	025901	42.00	44.00	2.00	2.	220.	6.	260.	0.1
				025902	44.00	46.00	2.00	5.	228.	[illegible].	160.	0.1
46.00	48.00		Moderate quartz stockwork. 25% Bleached intrusive.	025903	46.00	48.00	2.00	1.	458.	10.	550.	0.2
48.00	52.00	ARG	Dark grey to black argillite/mudstone.									
48.00	50.00		20% Limonitic quartz rich intrusive.	025904	48.00	50.00	2.00	35.	7.4.	16.	1800.	0.[illegible]

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-165

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				125905	50.00	52.00	2.00	6.	307.	1..	700.	0.1

A. RANGE EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-16S
Grid System : ORIGINAL
Collar Eastings : 21951.300
Collar Northings : 19887.700
Collar Elevations : 969.300
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

PAGE : 1

Logged by : R. DIMENT
Date : -
Downhole Survey :
Drilled by : MIDNIGHT SUN
Core Size : BC

GEOCHEMICAL SAMPLES

FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00									
4.00	6.00									
6.00	8.00									
8.00	10.00									
10.00	12.00									
12.00	14.00	3.5					2.5	2	1	
14.00	16.00									
16.00	18.00									
18.00	20.00									
20.00	22.00	2.5					2.5		2	
22.00	24.00	2.5					2.5		2	
24.00	26.00	2.5					2.5		2	
26.00	28.00	2.5			1		2.5		2	
28.00	30.00	2			1		1			
30.00	32.00				2					
32.00	34.00				2					
34.00	36.00	3					3		1	
36.00	38.00	3					3		1	
38.00	40.00	3					3			
40.00	42.00	2					2		2	
42.00	44.00	3					3		2	TR
44.00	46.00	3					3		2	TR
46.00	48.00	3					3			
48.00	50.00									
50.00	52.00									

GEOTECHNICAL SAMPLES

FROM	TO	Recovery %	Lim %	Breakage	Fr	Veins %	Bed	Struc	Color	Sulph %	QuartzCirCode %

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-169
Grid System : ORIGINAL
Collar Eastings : 21941.500
Collar Northings : 19867.200
Collar Elevations : 961.900
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	6.00	ARG	Dark black argillite.	025907	2.00	4.00	2.00	28.	83.	14.	6600.	1.8
				025908	4.00	6.00	2.00	19.	68.	20.	6800.	2.0
6.00	40.00	INT	Limonitic quartz rich intrusive.									
6.00	8.00		20% Argillite.	025909	6.00	8.00	2.00	17.	195.	43.	8800.	2.6
8.00	10.00		Moderate quartz stockwork. Strong limonitic staining.	025910	8.00	10.00	2.00	16.	210.	60.	9200.	2.4
10.00	12.00		20% White bleached intrusive minor quartz stockwork.	025911	10.00	12.00	2.00	14.	205.	24.	6000.	1.0
12.00	14.00		Moderate quartz stockwork.	025912	12.00	14.00	2.00	14.	178.	24.	4800.	0.3
14.00	18.00		Minor quartz stockwork.	025913	14.00	16.00	2.00	10.	160.	18.	5400.	0.4
				025914	16.00	18.00	2.00	8.	112.	14.	2600.	0.1
18.00	22.00		Trace of black biotite. Minor quartz stockwork.	025915	18.00	20.00	2.00	6.	151.	20.	2500.	0.3
				025916	20.00	22.00	2.00	17.	180.	32.	2300.	0.4
22.00	26.00		1-2% Black biotite. Weakly limonitic.	025917	22.00	24.00	2.00	5.	248.	23.	1600.	0.2
				025918	24.00	26.00	2.00	5.	139.	17.	930.	0.5
26.00	28.00		Minor quartz stockwork.	025919	26.00	28.00	2.00	6.	143.	16.	4600.	0.3
28.00	30.00		5-10% Bleached white quartz feldspar porphyry. 20% rusty quartz; moderate quartz stockwork.	025920	28.00	30.00	2.00	210.	676.	22.	7600.	0.3
30.00	36.00		Minor quartz stockwork. Strong limonitic staining.	025921	30.00	32.00	2.00	670.	1191.	22.	6400.	0.3
				025922	32.00	34.00	2.00	300.	674.	21.	6000.	0.4
				025923	34.00	36.00	2.00	270.	778.	19.	5800.	0.4
36.00	38.00		Moderate quartz stockwork. Hematite staining on quartz.	025924	36.00	38.00	2.00	290.	1082.	22.	3900.	0.3
38.00	40.00		10% Argillite. Moderate to strong quartz stockwork.	025925	38.00	40.00	2.00	1150.	1637.	34.	3500.	1.0
40.00	50.00	ARG	Dark grey to black argillite.	025926	40.00	42.00	2.00	45.	512.	20.	1700.	0.7
				025927	42.00	44.00	2.00	19.	193.	13.	1800.	0.2
				025928	44.00	46.00	2.00	9.	164.	12.	1400.	0.4
				025929	46.00	48.00	2.00	7.	102.	12.	1200.	0.4
				025930	48.00	50.00	2.00	6.	266.	17.	1800.	0.4

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-169
Grid System : ORIGINAL
Collar Eastings : 21941.500
Collar Northings : 19867.200
Collar Elevations : 961.900
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES

FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00									
4.00	6.00									
6.00	8.00	2.5					3	3	2	
8.00	10.00	2.5					3	4	2	
10.00	12.00	3					3	3	1	
12.00	14.00	2.5					2	4	2	
14.00	16.00	2.5					2	3	1	
16.00	18.00	2.5					2	3		
18.00	20.00	2.5					2	4	1	
20.00	22.00	2.5				1	1.5	2	1	
22.00	24.00	2				1	1.5	2		
24.00	26.00	2				1	1.5	2		
26.00	28.00	2.5				2	2	3	1	
28.00	30.00	3				1	2.5	2	2	
30.00	32.00	2.5				1	2.5	3	1	
32.00	34.00	2.5				1	2.5	4	1	
34.00	36.00	2.5				2	2.5	4	1	
36.00	38.00	2.5					3	3	2	
38.00	40.00	2.5					3	3	3	
40.00	42.00									
42.00	44.00									
44.00	46.00									
46.00	48.00									
48.00	50.00									

GEOTECHNICAL SAMPLES

FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00										
4.00	6.00										
6.00	8.00										
8.00	10.00										
10.00	12.00										
12.00	14.00										
14.00	16.00										
16.00	18.00										
18.00	20.00										
20.00	22.00										
22.00	24.00										
24.00	26.00										
26.00	28.00										
28.00	30.00										
30.00	32.00										
32.00	34.00										
34.00	36.00										
36.00	38.00										
38.00	40.00										
40.00	42.00										
42.00	44.00										
44.00	46.00										
46.00	48.00										
48.00	50.00										

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-170
Grid System : ORIGINAL
Collar Eastings : 22081.800
Collar Northings : 19897.200
Collar Elevations : 950.000
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 58.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	22.00	INT	Rusty limonitic porphyritic intrusive. Abundant white and rusty quartz. Sericite and manganese oxide. White clay altered feldspar phenocrysts.									
2.00	4.00		40% Overburden.	025931	2.00	4.00	2.00	91.	558.	28.	1700.	0.5
				025932	4.00	6.00	2.00	44.	251.	22.	5400.	0.2
				025933	6.00	8.00	2.00	11.	78.	27.	3900.	0.4
				025934	8.00	10.00	2.00	11.	103.	26.	4000.	0.5
				025935	10.00	12.00	2.00	9.	118.	103.	2200.	0.3
				025936	12.00	14.00	2.00	12.	215.	147.	3200.	0.2
				025937	14.00	16.00	2.00	25.	327.	197.	2500.	0.4
				025938	16.00	18.00	2.00	9.	123.	90.	680.	0.2
				025939	18.00	20.00	2.00	16.	176.	143.	1200.	0.4
				025940	20.00	22.00	2.00	11.	133.	113.	1400.	0.2
22.00	28.00	F*INT	Grey-green biotite rich, porphyritic intrusive.	025941	22.00	24.00	2.00	10.	34.	16.	800.	0.1
				025942	24.00	26.00	2.00	7.	41.	17.	880.	0.5
				025943	26.00	28.00	2.00	11.	14.	13.	110.	0.1
28.00	46.00	INT	Rusty limonitic porphyritic intrusive as at 2-22 meters.									
28.00	30.00		25% Green biotite rich intrusive.	025944	28.00	30.00	2.00	1.	71.	39.	1200.	0.1
30.00	34.00		70% White quartz. Rich in kaolinite with minor disseminated pyrite.	025945	30.00	32.00	2.00	4.	59.	20.	1600.	0.1
				025946	32.00	34.00	2.00	7.	56.	19.	5800.	0.1
34.00	36.00		50% Green biotite rich intrusive.	025947	34.00	36.00	2.00	9.	274.	78.	1400.	0.1
				025948	36.00	38.00	2.00	6.	136.	21.	880.	0.1
				025949	38.00	40.00	2.00	2.	244.	84.	1200.	0.1
				025950	40.00	42.00	2.00	6.	245.	82.	750.	0.3
				025951	42.00	44.00	2.00	11.	546.	190.	1100.	0.2
44.00	46.00		30% Green biotite rich intrusive.	025952	44.00	46.00	2.00	1.	282.	72.	280.	0.6
46.00	50.00	ARG	Black argillite with minor grey mudstone. 10% Rusty intrusive.	025953	46.00	48.00	2.00	1.	116.	37.	180.	0.7
				025954	48.00	50.00	2.00	2.	54.	12.	220.	0.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-170

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
50.00	54.00	F*INT	Grey-green biotite rich, porphyritic intrusive as at 22-28 meters. 30% rusty intrusive.	025955	50.00	52.00	2.00	1.	110.	24.	160.	0.1
				025956	52.00	54.00	2.00	3.	351.	72.	520.	0.1
54.00	58.00	ARG	Black argillite with minor grey mudstone. Contains 30% rusty intrusive.									
54.00	56.00			025957	54.00	56.00	2.00	4.	129.	68.	210.	0.2
				025958	56.00	58.00	2.00	2.	55.	12.	140.	0.1

MORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-170
Grid System : ORIGINAL
Collar Eastings : 22081.800
Collar Northings : 19897.200
Collar Elevations : 950.000
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 58.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2.5					3	10-15	2.5													
4.00	6.00	2.5					3	10-15	2.5													
6.00	8.00	2.5					3	10-15	2.5													
8.00	10.00	2.5					3	10-15	2.5													
10.00	12.00	2.5					3	10-15	2.5													
12.00	14.00	2.5					3	10-15	2.5													
14.00	16.00	2.5					3	10-15	2.5													
16.00	18.00	2.5					3	10-15	2.5													
18.00	20.00	2.5					3	10-15	2.5													
20.00	22.00	2.5					3	10-15	2.5													
22.00	24.00	1.5			1			1														
24.00	26.00	1.5			3			1														
26.00	28.00	1.5			3			1														
28.00	30.00				3		1.5	5	1													
30.00	32.00	3			3		2.5	1-3	3	1												
32.00	34.00	3			3		2.5	1-3	3	1												
34.00	36.00	1.5			1		1	3-5	1													
36.00	38.00	2					2	5-10	1.5													
38.00	40.00	2					2	5-10	1.5													
40.00	42.00	2					2	5-10	1.5													
42.00	44.00	2					2	5-10	1.5													
44.00	46.00	1.5					1.5	1-5	1													
46.00	48.00																					
48.00	50.00																					
50.00	52.00	1						1-3														
52.00	54.00	1						1-3														
54.00	56.00																					

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-170

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
56.00	58.00																					

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-171
Grid System : ORIGINAL
Collar Eastings : 22083.500
Collar Northings : 19920.800
Collar Elevations : 955.000
Collar Bearing : 999.99
Grid Baseline : 66.80

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 58.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	6.00	ARG	Black argillite.	025959	2.00	4.00	2.00	1.	48.	25.	160.	0.1
4.00	6.00		30% Rusty intrusive.	025960	4.00	6.00	2.00	2.	145.	52.	130.	0.4
6.00	22.00	F*INT	Grey-green biotite rich porphyritic intrusive. 10-30% Rusty limonitic intrusive.									
6.00	12.00		Oridized with bleached biotite and minor feldspar alteration.	025961	6.00	8.00	2.00	33.	1108.	19.	150.	0.4
				025962	8.00	10.00	2.00	23.	688.	46.	210.	0.1
				025963	10.00	12.00	2.00	3.	103.	37.	2500.	0.1
				025964	12.00	14.00	2.00	5.	27.	41.	140.	0.1
				025965	14.00	16.00	2.00	3.	19.	30.	130.	0.1
				025966	16.00	18.00	2.00	1.	52.	123.	460.	0.3
				025967	18.00	20.00	2.00	1.	20.	34.	100.	0.1
				025968	20.00	22.00	2.00	1.	14.	22.	80.	0.1
22.00	34.00	INT	Rusty limonitic porphyritic intrusive. Abundant rusty and white quartz.	025969	22.00	24.00	2.00	7.	131.	195.	830.	0.1
24.00	26.00		Calcareous matrix.	025970	24.00	26.00	2.00	14.	71.	102.	1100.	0.1
				025971	26.00	28.00	2.00	115.	494.	569.	1800.	0.4
				025972	28.00	30.00	2.00	390.	856.	340.	1700.	0.6
				025973	30.00	32.00	2.00	21.	131.	182.	930.	0.1
				025974	32.00	34.00	2.00	2.	106.	196.	650.	0.1
34.00	38.00	F*INT	Rusty limonitic porphyritic intrusive as at 6-22 meters.	025975	34.00	36.00	2.00	3.	24.	35.	290.	0.1
				025976	36.00	38.00	2.00	1.	38.	55.	730.	0.1
38.00	46.00	INT	Rusty limonitic porphyritic intrusive.	025977	38.00	40.00	2.00	5.	233.	192.	850.	0.1
40.00	44.00		Minor white quartz with disseminated pyrite.	025978	40.00	42.00	2.00	3.	972.	247.	1300.	0.1
				025979	42.00	44.00	2.00	20.	997.	312.	3400.	0.3
				025980	44.00	46.00	2.00	27.	866.	369.	3300.	0.3
46.00	48.00	ARG	Black argillite with 40% rusty intrusive.	025981	46.00	48.00	2.00	4.	239.	94.	970.	0.4
48.00	54.00	INT	Blue/grey, biotite and feldspar rich	025982	48.00	50.00	2.00	1.	151.	75.	140.	0.2

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-171

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			porphyritic intrusive. Minor disseminated pyrite. 30% rusty, biotite rich intrusive.	025983	50.00	52.00	2.00	14.	284.	150.	450.	0.2
				025984	52.00	54.00	2.00	1.	68.	46.	100.	0.1
54.00	58.00	ARG	Black argillite.	025985	54.00	56.00	2.00	1.	39.	20.	400.	0.3
				025986	56.00	58.00	2.00	2.	59.	26.	650.	0.1

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-171
Grid System : ORIGINAL
Collar Eastings : 22083.500
Collar Northings : 19920.800
Collar Elevations : 955.000
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 58.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00									
4.00	6.00									
6.00	8.00	1.5					1	1-3	1	
8.00	10.00	1.5					1	1-3	1	
10.00	12.00	1.5					1	1-3	1	
12.00	14.00							1-3	1	
14.00	16.00							1		
16.00	18.00							1		
18.00	20.00							1		
20.00	22.00							1		
22.00	24.00									
24.00	26.00	2				3	1.5	5-10	2	
26.00	28.00	2					1.5	5-10	2	
28.00	30.00	2					1.5	5-10	2	
30.00	32.00	2					1.5	5-10	2	
32.00	34.00	2					1.5	5-10	2	
34.00	36.00									
36.00	38.00									
38.00	40.00	1.5					2	3-5	1.5	
40.00	42.00	1.5					2	3-5	1.5	
42.00	44.00	1.5					2	3-5	1.5	
44.00	46.00	1.5					2	3-5	1.5	
46.00	48.00									
48.00	50.00							1		TR
50.00	52.00							1		TR
52.00	54.00							1		TR
54.00	56.00									
56.00	58.00									

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-172
Grid System : ORIGINAL
Collar Eastings : 22084.000
Collar Northings : 19940.700
Collar Elevations : 955.500
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	48.00	INT	Rusty limonitic porphyritic intrusive.									
2.00	10.00		Abundant altered biotite.	025987	2.00	4.00	2.00	24.	83.	26.	120.	0.2
				025988	4.00	6.00	2.00	19.	55.	39.	280.	0.2
				025989	6.00	8.00	2.00	5.	45.	39.	1200.	0.2
				025990	8.00	10.00	2.00	33.	123.	96.	2600.	0.1
10.00	18.00		20% White quartz. Kaolinite alteration; no biotite.	025991	10.00	12.00	2.00	10.	88.	102.	3300.	0.3
				025992	12.00	14.00	2.00	10.	176.	224.	3200.	0.1
				025993	14.00	16.00	2.00	24.	294.	455.	2800.	0.2
				025994	16.00	18.00	2.00	75.	322.	102.	4000.	0.2
18.00	22.00		30-50% Red rusty quartz. No biotite, intense orange limonite.	025995	18.00	20.00	2.00	430.	1217.	218.	4300.	0.1
				025996	20.00	22.00	2.00	530.	1351.	57.	4100.	0.4
22.00	28.00		Increase in white feldspar phenocrysts. Decrease in alteration.	025997	22.00	24.00	2.00	117.	515.	163.	4400.	0.3
				025998	24.00	26.00	2.00	600.	1278.	295.	3800.	0.6
				025999	26.00	28.00	2.00	260.	689.	296.	6300.	0.3
28.00	36.00		50% Red rusty quartz, minor stibnite (spotty).	026000	28.00	30.00	2.00	390.	1289.	2047.	3700.	0.6
				026001	30.00	32.00	2.00	1320.	1745.	2676.	4500.	1.3
				026002	32.00	34.00	2.00	2030.	2325.	5536.	6100.	4.2
				026003	34.00	36.00	2.00	2590.	1752.	2868.	2200.	2.3
36.00	40.00		Decrease in alteration. Black biotite present. 10% Rusty red quartz.	026004	36.00	38.00	2.00	260.	1114.	6309.	1300.	0.8
				026005	38.00	40.00	2.00	270.	1095.	2164.	920.	0.4
40.00	44.00		Abundant silver sericite and rusty quartz. Also contains white quartz and minor disseminated pyrite.	026006	40.00	42.00	2.00	24.	307.	483.	160.	0.1
				026007	42.00	44.00	2.00	30.	239.	300.	480.	0.1
44.00	48.00		20% Black argillite.	026008	44.00	46.00	2.00	99.	1042.	827.	2000.	0.2
				026009	46.00	48.00	2.00	690.	1042.	295.	1900.	0.7
48.00	50.00	ARG	Black argillite, minor blebs of pyrite.	026010	48.00	50.00	2.00	440.	607.	30.	3500.	1.8

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-172
Grid System : ORIGINAL
Collar Eastings : 22084.000
Collar Northings : 19940.700
Collar Elevations : 955.500
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES												GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %		FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	1					1	5-10	1.5														
4.00	6.00	1					1	5-10	1.5														
6.00	8.00	1					1	5-10	1														
8.00	10.00	1				2	1	5-10	1														
10.00	12.00	2.5				2	2	5-10	3														
12.00	14.00	2.5				3	2	5-10	3														
14.00	16.00	2.5				3	2	5-10	3														
16.00	18.00	2.5				3	2	5-10	3														
18.00	20.00	2.5				1	2	5-10	3														
20.00	22.00	2.5				2	2	5-10	3														
22.00	24.00	1.5				3	1.5	5-10	1.5														
24.00	26.00	1.5				1	1.5	5-10	1.5														
26.00	28.00	2.5				1	1.5	5-10	2														
28.00	30.00	2.5					3	5-10	3														
30.00	32.00	2.5					3	5-10	3														
32.00	34.00	2.5					3	5-10	3														
34.00	36.00	2.5					3	5-10	3														
36.00	38.00	1					1.5	5-10	1.5														
38.00	40.00	1					1.5	5-10	1.5														
40.00	42.00	2					3	5-10	2														
42.00	44.00	2					3	5-10	3														
44.00	46.00	2					3	5-10	3														
46.00	48.00	2					2	5-10	3														
48.00	50.00							5-10															

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-173
Grid System : ORIGINAL
Collar Eastings : 22082.500
Collar Northings : 19962.900
Collar Elevations : 949.700
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	8.00	ARG	Brecciated argillite in clear quartz matrix. Rusty red, blue and white quartz. Black argillite present.	026011	2.00	4.00	2.00	7430.	1038.	419.	3600.	1.6
4.00	6.00		NO RECOVERY - NO SAMPLE.		4.00	6.00	2.00					
				026013	6.00	8.00	2.00	5830.	1081.	458.	3200.	1.5
8.00	40.00	ARG	Black argillite.	026014	8.00	10.00	2.00	1670.	632.	131.	4700.	1.7
				026015	10.00	12.00	2.00	340.	122.	36.	3300.	0.6
				026016	12.00	14.00	2.00	65.	458.	27.	3100.	0.6
				026017	14.00	16.00	2.00	11.	313.	16.	2400.	0.2
				026018	16.00	18.00	2.00	12.	179.	11.	3200.	0.6
				026019	18.00	20.00	2.00	22.	374.	13.	3600.	0.7
				026020	20.00	22.00	2.00	24.	433.	15.	3800.	0.4
				026021	22.00	24.00	2.00	111.	246.	15.	4800.	1.2
				026022	24.00	26.00	2.00	11.	68.	11.	2000.	0.6
26.00	32.00		40% Soft grey-green mudstone.	026023	26.00	28.00	2.00	7.	32.	6.	780.	0.1
				026024	28.00	30.00	2.00	7.	41.	10.	730.	0.3
				026025	30.00	32.00	2.00	13.	92.	11.	630.	0.2
32.00	34.00		10% Rusty quartz.	026026	32.00	34.00	2.00	5.	111.	17.	420.	0.4
				026027	34.00	36.00	2.00	8.	53.	10.	270.	0.5
				026028	36.00	38.00	2.00	6.	41.	7.	330.	0.4
				026029	38.00	40.00	2.00	4.	64.	8.	380.	0.5

MORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-173
Grid System : ORIGINAL
Collar Eastings : 22082.500
Collar Northings : 19962.900
Collar Elevations : 949.700
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sr %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00																					
4.00	6.00																					
6.00	8.00																					
8.00	10.00																					
10.00	12.00																					
12.00	14.00																					
14.00	16.00																					
16.00	18.00																					
18.00	20.00																					
20.00	22.00																					
22.00	24.00																					
24.00	26.00																					
26.00	28.00																					
28.00	30.00																					
30.00	32.00																					
32.00	34.00																					
34.00	36.00																					
36.00	38.00																					
38.00	40.00																					

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-174
Grid System : ORIGINAL
Collar Eastings : 17025.500
Collar Northings : 20501.800
Collar Elevations : 834.300
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	18.00	P*INT	Rusty brown, quartz rich, porphyritic intrusive. Abundant fresh black biotite. Contains clear quartz eyes.	026030	2.00	4.00	2.00	7.	264.	31.	110.	0.1
				026031	4.00	6.00	2.00	7.	168.	30.	100.	0.1
				026032	6.00	8.00	2.00	3.	264.	47.	220.	0.1
				026033	8.00	10.00	2.00	4.	364.	42.	150.	0.1
				026034	10.00	12.00	2.00	2.	701.	63.	120.	0.4
				026035	12.00	14.00	2.00	6.	1388.	60.	140.	0.1
				026036	14.00	16.00	2.00	4.	1373.	73.	170.	0.1
				026037	16.00	18.00	2.00	1.	1534.	97.	120.	0.1
18.00	20.00	ARG	Black argillite; 20% rusty intrusive.	026038	18.00	20.00	2.00	190.	1118.	2524.	380.	3.1
20.00	24.00	SILTST	Brown siltstone; black shale; 10% rusty red quartz.	026039	20.00	22.00	2.00	38.	2631.	657.	230.	3.3
				026040	22.00	24.00	2.00	2.	1031.	195.	90.	0.1
24.00	36.00	SHALE	Grey shale; minor green and rusty shale.	026041	24.00	26.00	2.00	1.	161.	95.	80.	0.1
				026042	26.00	28.00	2.00	1.	237.	99.	90.	0.1
				026043	28.00	30.00	2.00	1.	133.	69.	70.	0.2
				026044	30.00	32.00	2.00	1.	35.	78.	80.	0.1
				026045	32.00	34.00	2.00	3.	72.	59.	90.	0.1
34.00	36.00		40% Black argillite.	026046	34.00	36.00	2.00	230.	463.	608.	210.	1.1
36.00	48.00	ARG	Black graphitic argillite. Abundant white quartz stockwork.	026047	36.00	38.00	2.00	94.	299.	447.	340.	1.5
				026048	38.00	40.00	2.00	133.	326.	320.	220.	2.4
				026049	40.00	42.00	2.00	420.	684.	861.	370.	3.9
				026050	42.00	44.00	2.00	161.	448.	510.	320.	2.2
				026051	44.00	46.00	2.00	91.	629.	845.	230.	1.9
46.00	48.00		10% Stibnite with abundant red kermesite alteration. 20% White quartz.	026052	46.00	48.00	2.00	690.	2148.	12599.	1800.	66.7
48.00	50.00	SHALE	Grey shale. 30% Rusty sediments and rusty quartz. 10% White quartz.	026053	48.00	50.00	2.00	119.	3343.	926.	250.	3.6

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-174
Grid System : ORIGINAL
Collar Eastings : 17025.500
Collar Northings : 20501.800
Collar Elevations : 834.300
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : HC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	1						3-5														
4.00	6.00	1						3-5														
6.00	8.00	1						3-5														
8.00	10.00	1						3-5														
10.00	12.00	1						3-5														
12.00	14.00	1						3-5														
14.00	16.00	1						3-5														
16.00	18.00	1						3-5														
18.00	20.00																					
20.00	22.00																					
22.00	24.00																					
24.00	26.00																					
26.00	28.00																					
28.00	30.00																					
30.00	32.00																					
32.00	34.00																					
34.00	36.00																					
36.00	38.00																					
38.00	40.00																					
40.00	42.00																					
42.00	44.00																					
44.00	46.00									5												
46.00	48.00																					
48.00	50.00																					

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREMERY CREEK
HOLE No. : BCRC 90-175
Grid System : ORIGINAL
Collar Eastings : 17026.100
Collar Northings : 20550.600
Collar Elevations : 832.800
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	10.00	MUDST	Soft grey mudstone, minor black shale.	026054	2.00	4.00	2.00	87.	734.	496.	220.	0.9
4.00	8.00		Minor rusty/green/yellow quartz.	026055	4.00	6.00	2.00	1990.	1966.	16578.	1700.	114.2
				026056	6.00	8.00	2.00	1320.	633.	12634.	760.	19.1
8.00	10.00		Minor stibnite with rusty/green/yellow quartz.	026057	8.00	10.00	2.00	2790.	2619.	22675.	4200.	128.4
10.00	12.00	ARG	Black argillite.	026058	10.00	12.00	2.00	147.	832.	1793.	430.	4.1
12.00	16.00	MUDST	Soft grey mudstone, minor black shale and argillite. 10% Rusty and white quartz.	026059	12.00	14.00	2.00	760.	1086.	2752.	550.	2.9
				026060	14.00	16.00	2.00	510.	762.	2293.	540.	2.2
16.00	18.00	ARG	Dense black argillite.	026061	16.00	18.00	2.00	990.	733.	3237.	1200.	5.8
18.00	20.00	QUARTZ	Massive stibnite with white and yellow quartz. 20% Argillite	026062	18.00	20.00	2.00	310.	1422.	932.	540.	2.0
20.00	22.00	QUARTZ	Rusty limonitic quartz. Black siltstone and shale with minor white/yellow quartz. Contains a small amount of stibnite.	026063	20.00	22.00	2.00	1560.	160.	38962.	3200.	25.2
22.00	38.00	SILTST	Black and grey siltstone and shale. Minor green shale and white quartz.	026064	22.00	24.00	2.00	730.	3372.	5566.	250.	2.5
				026065	24.00	26.00	2.00	1090.	2820.	786.	110.	1.5
				026066	26.00	28.00	2.00	420.	1431.	353.	100.	0.7
				026067	28.00	30.00	2.00	65.	1663.	821.	80.	0.5
				026068	30.00	32.00	2.00	3.	905.	237.	50.	0.7
				026069	32.00	34.00	2.00	270.	1182.	155.	70.	0.6
				026070	34.00	36.00	2.00	81.	1280.	174.	100.	1.4
				026071	36.00	38.00	2.00	31.	424.	283.	120.	0.6
38.00	40.00	INT	Rusty brown intrusive. 40% Black argillite.	026072	38.00	40.00	2.00	5.	200.	202.	80.	0.4
40.00	50.00	ARG	Black argillite. (minor red/white/yellow	026073	40.00	42.00	2.00	23.	420.	119.	160.	0.8

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-175

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			quartz with disseminated pyrite as well as	026074	42.00	44.00	2.00	10.	691.	132.	150.	1.0
			blebs of pyrite from 40-46m).	026075	44.00	46.00	2.00	310.	774.	185.	180.	4.8
46.00	50.00		Abundant white quartz stockwork.	026076	46.00	48.00	2.00	4.	146.	131.	170.	1.7
				026077	48.00	50.00	2.00	2.	228.	194.	160.	3.0

BOUNDARY EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-175
Grid System : ORIGINAL
Collar Eastings : 17026.100
Collar Northings : 20550.600
Collar Elevations : 832.800
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00									
4.00	6.00									
6.00	8.00									
8.00	10.00								1	
10.00	12.00									
12.00	14.00									
14.00	16.00									
16.00	18.00								70	
18.00	20.00									
20.00	22.00								2	
22.00	24.00									
24.00	26.00									
26.00	28.00									
28.00	30.00									
30.00	32.00									
32.00	34.00									
34.00	36.00									
36.00	38.00									
38.00	40.00									
40.00	42.00								1	
42.00	44.00								1	
44.00	46.00								1	
46.00	48.00									
48.00	50.00									

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-176
Grid System : ORIGINAL
Collar Eastings : 17027.400
Collar Northings : 20576.100
Collar Elevations : 831.400
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	6.00	MUDST	Soft, grey mudstone with minor white and rusty quartz.	026078	2.00	4.00	2.00	1190.	6533.	19204.	760.	13.4
				026079	4.00	6.00	2.00	750.	1954.	5498.	830.	14.5
6.00	12.00	SHALE	Black shale and argillite with minor grey mudstone and rusty and white quartz. 90% Black argillite.	026080	6.00	8.00	2.00	860.	2087.	2920.	940.	5.2
				026081	8.00	10.00	2.00	310.	988.	1105.	460.	1.6
				026082	10.00	12.00	2.00	1250.	564.	3809.	1900.	7.4
10.00	12.00											
12.00	16.00	SHALE	Grey shale with abundant white quartz. 40% Minor black siltstone.	026083	12.00	14.00	2.00	690.	850.	3426.	1200.	83.0
				026084	14.00	16.00	2.00	370.	1321.	481.	170.	2.1
16.00	18.00	QUARTZ	Rusty limonitic quartz (possibly altered sandstone?). 40% Dark sediments.	026085	16.00	18.00	2.00	6.	2214.	531.	200.	0.8
18.00	24.00	SHALE	Black shale. 20% Rusty quartz.	026086	18.00	20.00	2.00	1.	1318.	435.	130.	0.6
18.00	20.00			026087	20.00	22.00	2.00	3.	946.	336.	140.	1.6
				026088	22.00	24.00	2.00	20.	1008.	204.	90.	0.3
24.00	26.00	QUARTZ	Rusty limontitc quartz. 10% green shale; 10% grey shale.	026089	24.00	26.00	2.00	50.	1255.	215.	80.	0.4
26.00	50.00	ARG	Black argillite with interbedded grey mudstone.	026090	26.00	28.00	2.00	220.	288.	120.	120.	1.5
				026091	28.00	30.00	2.00	41.	204.	122.	130.	0.9
				026092	30.00	32.00	2.00	28.	285.	133.	80.	0.8
				026093	32.00	34.00	2.00	33.	302.	88.	100.	0.6
				026094	34.00	36.00	2.00	275.	286.	279.	130.	2.1
				026095	36.00	38.00	2.00	250.	218.	334.	120.	1.6
				026096	38.00	40.00	2.00	340.	331.	394.	130.	2.7
				026097	40.00	42.00	2.00	25.	151.	157.	140.	1.1
42.00	46.00		Minor pyrite in white quartz. Mudstone fades out.	026098	42.00	44.00	2.00	65.	335.	89.	170.	1.3
				026099	44.00	46.00	2.00	40.	331.	182.	150.	2.8
46.00	48.00		Abundant disseminated pyrite in the argillite and white quartz.	026100	46.00	48.00	2.00	320.	1850.	876.	210.	11.0
				026101	48.00	50.00	2.00	51.	265.	239.	130.	0.7

MORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-176
Grid System : ORIGINAL
Collar Eastings : 17027.400
Collar Northings : 20576.100
Collar Elevations : 831.400
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00																					
4.00	6.00																					
6.00	8.00																					
8.00	10.00																					
10.00	12.00																					
12.00	14.00																					
14.00	16.00																					
16.00	18.00																					
18.00	20.00																					
20.00	22.00																					
22.00	24.00																					
24.00	26.00																					
26.00	28.00																					
28.00	30.00																					
30.00	32.00																					
32.00	34.00																					
34.00	36.00																					
36.00	38.00																					
38.00	40.00																					
40.00	42.00																					
42.00	44.00																					
44.00	46.00																					
46.00	48.00																					
48.00	50.00																					

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-177
Grid System : ORIGINAL
Collar Eastings : 17029.500
Collar Northings : 20599.500
Collar Elevations : 830.400
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	50.00	SILTST	Black siltstone. Black argillite and soft grey mudstone. 5-10% Quartz.	026102	2.00	4.00	2.00	2060.	2631.	3157.	360.	2.2
				026103	4.00	6.00	2.00	430.	2836.	1111.	380.	2.3
				026104	6.00	8.00	2.00	390.	1493.	443.	320.	2.7
				026105	8.00	10.00	2.00	330.	430.	294.	500.	2.0
10.00	16.00		60% Mudstone; green staining on the bedding surfaces. 10% Rusty sediments.	026106	10.00	12.00	2.00	34.	1403.	729.	170.	0.2
				026107	12.00	14.00	2.00	18.	587.	441.	180.	0.3
				026108	14.00	16.00	2.00	81.	653.	196.	170.	1.2
				026109	16.00	18.00	2.00	102.	1980.	319.	210.	1.6
18.00	20.00		30% Grey quartz.	026110	18.00	20.00	2.00	30.	580.	187.	150.	0.5
				026111	20.00	22.00	2.00	23.	347.	192.	80.	0.4
				026112	22.00	24.00	2.00	64.	478.	145.	90.	0.9
				026113	24.00	26.00	2.00	67.	435.	118.	100.	0.9
				026114	26.00	28.00	2.00	630.	335.	214.	230.	8.2
				026115	28.00	30.00	2.00	134.	700.	152.	80.	0.7
				026116	30.00	32.00	2.00	29.	505.	106.	70.	0.5
32.00	50.00		15-20% White quartz. Note: at 32-34m; minor brecciated quartz in black argillite. at 42-50m; minor disseminted pyrite. at 48-50m; 1% massive pyrite.	026117	32.00	34.00	2.00	67.	187.	42.	50.	0.7
				026118	34.00	36.00	2.00	32.	109.	34.	60.	0.8
				026119	36.00	38.00	2.00	87.	137.	83.	110.	1.6
				026120	38.00	40.00	2.00	71.	138.	105.	70.	0.7
				026121	40.00	42.00	2.00	66.	273.	148.	100.	0.7
				026122	42.00	44.00	2.00	38.	199.	93.	120.	0.5
				026123	44.00	46.00	2.00	15.	134.	70.	60.	0.3
				026124	46.00	48.00	2.00	12.	130.	119.	70.	0.4
				026125	48.00	50.00	2.00	9.	95.	51.	60.	0.4

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-177
Grid System : ORIGINAL
Collar Eastings : 17029.500
Collar Northings : 20599.500
Collar Elevations : 830.400
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00																					
4.00	6.00																					
6.00	8.00																					
8.00	10.00																					
10.00	12.00																					
12.00	14.00																					
14.00	16.00																					
16.00	18.00																					
18.00	20.00																					
20.00	22.00																					
22.00	24.00																					
24.00	26.00																					
26.00	28.00																					
28.00	30.00																					
30.00	32.00																					
32.00	34.00																					
34.00	36.00																					
36.00	38.00																					
38.00	40.00																					
40.00	42.00																					
42.00	44.00																					
44.00	46.00																					
46.00	48.00																					
48.00	50.00																					

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-178
Grid System : ORIGINAL
Collar Eastings : 17627.800
Collar Northings : 20447.600
Collar Elevations : 815.500
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	16.00	INT	Quartz rich, porphyritic intrusive. 40% White quartz; 20% Rusty limonitic quartz; 10% grey quartz.	026126	2.00	4.00	2.00	280.	404.	261.	2600.	2.0
				026127	4.00	6.00	2.00	480.	597.	148.	1400.	0.7
				026128	6.00	8.00	2.00	760.	962.	275.	1800.	0.8
				026129	8.00	10.00	2.00	550.	876.	200.	2000.	1.0
				026130	10.00	12.00	2.00	540.	1178.	215.	1600.	0.6
12.00	16.00		20-40% Dark sediments (siltstone, shale and mudstone).	026131	12.00	14.00	2.00	470.	758.	236.	700.	0.2
				026132	14.00	16.00	2.00	1930.	657.	261.	410.	0.4
16.00	20.00	SILTST	Black siltstone and shale. 40% Rusty and white quartz.	026133	16.00	18.00	2.00	570.	481.	139.	380.	0.2
				026134	18.00	20.00	2.00	400.	449.	102.	580.	0.1
20.00	26.00	ARG	Black argillite.	026135	20.00	22.00	2.00	97.	675.	53.	1300.	0.1
				026136	22.00	24.00	2.00	37.	345.	32.	1500.	0.1
				026137	24.00	26.00	2.00	28.	286.	23.	1200.	0.1
26.00	34.00	INT	Rusty brown, quartz rich intrusive with minor biotite. 40% Black argillite with white quartz veins.	026138	26.00	28.00	2.00	14.	216.	35.	2000.	0.8
				026139	28.00	30.00	2.00	94.	471.	54.	2900.	0.4
30.00	32.00		Very little recovery	026140	30.00	32.00	2.00	17.	199.	80.	2500.	1.4
32.00	34.00		10% Argillite. No biotite in the matrix.	026141	32.00	34.00	2.00	20.	226.	54.	4800.	0.4
34.00	38.00	SHALE	Grey shale and mudstone. 10% Rusty quartz and intrusive.	026142	34.00	36.00	2.00	9.	388.	20.	1500.	0.2
				026143	36.00	38.00	2.00	10.	150.	27.	1400.	0.2
38.00	44.00	ARG	Black argillite. 20% White and rusty quartz. Minor grey mudstone.	026144	38.00	40.00	2.00	9.	61.	17.	1900.	0.5
				026145	40.00	42.00	2.00	5.	67.	15.	2300.	0.9
				026146	42.00	44.00	2.00	16.	167.	15.	3200.	0.7
44.00	50.00	INT	Grey-brown, quartz rich, porphyritic intrusive. Abundant disseminated pyrite. 5-15% Black argillite.	026147	44.00	46.00	2.00	920.	1147.	25.	3800.	1.3
				026148	46.00	48.00	2.00	290.	749.	23.	3400.	0.8
				026149	48.00	50.00	2.00	81.	362.	25.	5600.	0.6

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREMNER CREEK
HOLE No. : BCRC 90-178
Grid System : ORIGINAL
Collar Eastings : 17627.800
Collar Northings : 20447.600
Collar Elevations : 815.500
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.00	4.00	1.5					1.5	3-5	1-2														
4.00	6.00	1.5					1.5	3-5	1-2														
6.00	8.00	1.5					1.5	3-5	1-2														
8.00	10.00	1.5					1.5	3-5	1-2														
10.00	12.00	1.5					1.5	3-5	1-2														
12.00	14.00	1.5					1.5	3-5	1-2														
14.00	16.00	1.5					1.5	3-5	1-2														
16.00	18.00																						
18.00	20.00																						
20.00	22.00																						
22.00	24.00																						
24.00	26.00																						
26.00	28.00	1						1	1.5														
28.00	30.00	1						1	1.5														
30.00	32.00	1					1.5	1	1.5														
32.00	34.00	1					2	1-3	1.5														
34.00	36.00																						
36.00	38.00																						
38.00	40.00																						
40.00	42.00																						
42.00	44.00																						
44.00	46.00	2					2.5	1	1.5	1													
46.00	48.00	2					2.5	1	1.5	1													
48.00	50.00	2					2.5	1	1.5	1													

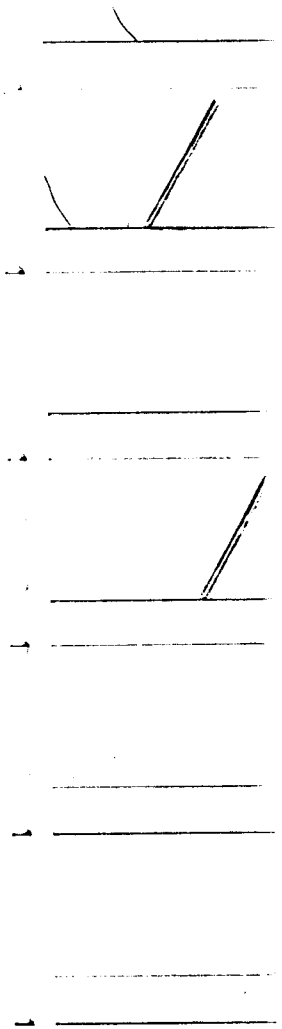
MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-179
Grid System : ORIGINAL
Collar Eastings : 21890.200
Collar Northings : 19484.300
Collar Elevations : 928.850
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 46.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MID-NIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	22.00	INT	Rusty, quartz rich, limonitic, porphyritic intrusive. Minor white quartz with disseminated pyrite.	026150	2.00	4.00	2.00	104.	207.	89.	1600.	3.0
				026151	4.00	6.00	2.00	91.	243.	47.	2300.	1.0
				026152	6.00	8.00	2.00	19.	58.	17.	2900.	0.1
				026153	8.00	10.00	2.00	62.	328.	19.	2400.	0.4
				026154	10.00	12.00	2.00	24.	92.	20.	1800.	0.3
				026155	12.00	14.00	2.00	12.	143.	16.	2500.	0.1
14.00	16.00		5% Deep red quartz.	026156	14.00	16.00	2.00	300.	550.	26.	2300.	0.6
16.00	18.00		80% Deep red quartz.	026157	16.00	18.00	2.00	2120.	3502.	88.	2200.	0.7
18.00	22.00		20% Red quartz.	026158	18.00	20.00	2.00	600.	1787.	56.	3800.	0.2
				026159	20.00	22.00	2.00	510.	1321.	50.	2400.	0.1
22.00	24.00	ARG	Black argillite. 40% intrusive with deep red quartz.	026160	22.00	24.00	2.00	550.	2093.	47.	1900.	0.5
24.00	38.00	INT	Light grey, quartz rich, porphyritic intrusive. Abundant white clay, altered feldspar phenocrysts and disseminated pyrite. 50% of the intrusive is oxidized to a rusty brown colour.	026161	24.00	26.00	2.00	1050.	2961.	24.	2900.	0.5
				026162	26.00	28.00	2.00	99.	273.	45.	1500.	0.1
				026163	28.00	30.00	2.00	22.	160.	20.	2300.	0.2
				026164	30.00	32.00	2.00	19.	139.	18.	1900.	0.1
32.00	34.00		Abundant black biotite in the matrix of the intrusive (P*INT).	026165	32.00	34.00	2.00	18.	84.	14.	1500.	0.1
				026166	34.00	36.00	2.00	200.	342.	15.	380.	0.5
				026167	36.00	38.00	2.00	67.	158.	36.	1200.	0.6
38.00	46.00	P*INT	Dark grey/blue, fresh, porphyritic intrusive. Intrusive is rich in black biotite. Sample contains 5-10% rusty quartz rich intrusive chips.	026168	38.00	40.00	2.00	10.	39.	31.	100.	0.4
				026169	40.00	42.00	2.00	9.	57.	25.	230.	0.4
				026170	42.00	44.00	2.00	3.	30.	18.	120.	0.2
				026171	44.00	46.00	2.00	7.	188.	17.	1300.	0.6



MORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-179
Grid System : ORIGINAL
Collar Eastings : 21890.200
Collar Northings : 19484.300
Collar Elevations : 928.850
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 46.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MID-NIGHT SUN
Core Size : BC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	1.5			1	2		5-10	1-2	tr												
4.00	6.00	1.5			2	2		5-10	1-2	tr												
6.00	8.00	1.5			2	2		5-10	1-2	tr												
8.00	10.00	1.5			2	2		5-10	1-2	tr												
10.00	12.00	1.5			2	2		5-10	1-2	tr												
12.00	14.00	1.5			2	2		5-10	1-2	tr												
14.00	16.00	2			2	3		5-10	3													
16.00	18.00	2			2	3		5-10	3													
18.00	20.00	2			2	3		5-10	3													
20.00	22.00	2			2	3		5-10	3													
22.00	24.00																					
24.00	26.00	1.5			2	1.5		0-1	1	1-2												
26.00	28.00	1.5			2	1.5		0-1	1	1-2												
28.00	30.00	1.5			2	1.5		0-1	1	1-2												
30.00	32.00	1.5			2	1.5		0-1	1	1-2												
32.00	34.00	1.5			2	0-1		0-1	1	1-2												
34.00	36.00	1.5			3	0-1		0-1	1	1-2												
36.00	38.00	1.5			2	0-1		0-1	1	1-2												
38.00	40.00				2				1	1-2												
40.00	42.00				2				1	1-2												
42.00	44.00				2				1	1-2												
44.00	46.00				2				1	1-2												

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-18S
Grid System : ORIGINAL
Collar Eastings : 21883.100
Collar Northings : 19532.700
Collar Elevations : 924.830
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MID-NIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	32.00	INT	Limonitic, porphyritic intrusive.	026172	2.00	4.00	2.00	640.	1428.	527.	1500.	0.5
				026173	4.00	6.00	2.00	510.	746.	188.	3100.	0.1
6.00	8.00		10% White quartz, sericite and pyrite rich intrusive.	026174	6.00	8.00	2.00	3020.	2313.	106.	4000.	0.4
8.00	12.00		30-40% Rusty red quartz.	026175	8.00	10.00	2.00	3250.	3308.	53.	3200.	0.6
				026176	10.00	12.00	2.00	1060.	1809.	53.	3300.	0.2
12.00	20.00		5-10% Rusty red quartz.	026177	12.00	14.00	2.00	760.	1336.	49.	5800.	0.5
				026178	14.00	16.00	2.00	470.	1064.	29.	3000.	0.3
				026179	16.00	18.00	2.00	780.	808.	75.	4400.	1.4
				026180	18.00	20.00	2.00	1070.	754.	49.	3200.	0.8
20.00	22.00		50% White quartz and kaolinite rich porphyritic intrusive.	026181	20.00	22.00	2.00	960.	566.	43.	3100.	0.3
22.00	28.00		10% white quartz, increase in clay altered phenocrysts.	026182	22.00	24.00	2.00	1100.	723.	37.	4700.	0.5
				026183	24.00	26.00	2.00	340.	183.	23.	3600.	0.1
				026184	26.00	28.00	2.00	440.	221.	30.	1300.	0.1
28.00	30.00		30-40% white intrusive, as above.	026185	28.00	30.00	2.00	210.	262.	23.	1800.	0.1
				026186	30.00	32.00	2.00	132.	252.	18.	1600.	0.1
32.00	46.00	QFP	White/grey, quartz and feldspar porphyry. Abundant sericite, minor disseminated pyrite.									
32.00	38.00		10-20% rusty intrusive.	026187	32.00	34.00	2.00	68.	280.	22.	3000.	0.2
				026188	34.00	36.00	2.00	38.	338.	33.	3300.	0.3
				026189	36.00	38.00	2.00	33.	214.	25.	2200.	0.2
38.00	46.00		Increase in pyrite. Colour change to dark grey.	026190	38.00	40.00	2.00	56.	455.	24.	1200.	0.5
				026191	40.00	42.00	2.00	51.	293.	19.	730.	0.1
				026192	42.00	44.00	2.00	23.	68.	28.	180.	0.1
				026193	44.00	46.00	2.00	16.	54.	18.	540.	0.2
46.00	50.00	ARG	Black graphitic argillite.									
46.00	48.00		30% grey quartz feldspar porphyry.	026194	46.00	48.00	2.00	12.	107.	11.	560.	0.1
				026195	48.00	50.00	2.00	7.	37.	7.	370.	0.2

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-180
Grid System : ORIGINAL
Collar Eastings : 21883.100
Collar Northings : 19532.700
Collar Elevations : 924.830
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MID-NIGHT SUN
Core Size : RC

FROM	TO	Arg	Sil	Serc	GEOCHEMICAL SAMPLES Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00	2					2.3	2	1.5	
4.00	6.00	2					2.3	2	1.5	
6.00	8.00	2			1		2.3	3	1.5	
8.00	10.00	2.5			2		3	3	2	
10.00	12.00	2.5			2		3	4	2	
12.00	14.00	2.5			2		3	4	2	
14.00	16.00	2.5			2		3	4	2	
16.00	18.00	2.5			2		3	4	2	
18.00	20.00	2.5			2		3	3	2	
20.00	22.00	2			2		3	1	1.5	
22.00	24.00	1.5			2		2	3	1.5	
24.00	26.00	1.5			2		1.5	2	1.5	
26.00	28.00	1.5			2		1.5	2	1.5	
28.00	30.00	1.5			2		1.5	1	1.5	
30.00	32.00	1.5			2		1.5	1	1.5	
32.00	34.00				2			1	tr	
34.00	36.00				2			0.5	tr	
36.00	38.00				2			0.5	tr	
38.00	40.00								tr	
40.00	42.00								tr	
42.00	44.00								tr	
44.00	46.00								tr	
46.00	48.00									
48.00	50.00									

FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	GEOTECHNICAL SAMPLES Bdg	Struc	Color	Sulph %	Quartz %	ClrCode

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 96-181
Grid System : ORIGINAL
Collar Eastings : 21888.100
Collar Northings : 19508.900
Collar Elevations : 929.100
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	20.00	INT	Limonitic, porphyritic intrusive with 10-20% White quartz.	026196	2.00	4.00	2.00	9720.	5679.	72.	4900.	2.7
				026197	4.00	6.00	2.00	1760.	2158.	57.	3200.	0.7
				026198	6.00	8.00	2.00	250.	1021.	52.	2400.	0.5
				026199	8.00	10.00	2.00	2050.	2074.	206.	2100.	1.3
10.00	12.00		20% Red rusty quartz. 1% grey, pyrite rich, intrusive.	026200	10.00	12.00	2.00	4350.	3852.	68.	2800.	1.6
12.00	16.00		5-10% Red rusty quartz.	026201	12.00	14.00	2.00	2040.	2627.	48.	3400.	0.9
				026202	14.00	16.00	2.00	188.	678.	53.	3200.	0.3
16.00	20.00		60% White intrusive with clay altered feldspar phenocrysts.	026203	16.00	18.00	2.00	33.	70.	10.	1600.	0.1
				026204	18.00	20.00	2.00	44.	172.	12.	1300.	0.1
20.00	22.00	ARG	Black argillite with 50% rusty intrusive.	026205	20.00	22.00	2.00	32.	199.	19.	2800.	0.4
22.00	28.00	INT	Limonitic porphyritic intrusive with 5-20% red rusty quartz.	026206	22.00	24.00	2.00	200.	756.	27.	7200.	0.1
				026207	24.00	26.00	2.00	1170.	1029.	22.	4600.	0.1
				026208	26.00	28.00	2.00	3250.	1708.	371.	4300.	0.5
28.00	50.00	QFP	Grey porphyritic quartz and feldspar intrusive with abundant disseminated pyrite.									
28.00	40.00		30-60% Oridized rusty intrusive.	026209	28.00	30.00	2.00	610.	483.	62.	2700.	0.3
				026210	30.00	32.00	2.00	1730.	865.	45.	3800.	0.9
				026211	32.00	34.00	2.00	350.	338.	22.	2200.	0.6
				026212	34.00	36.00	2.00	1040.	447.	15.	1600.	0.4
				026213	36.00	38.00	2.00	2250.	902.	143.	3200.	0.4
				026214	38.00	40.00	2.00	2010.	1181.	125.	3300.	1.3
40.00	50.00		Intrusive becomes dark grey. Increase in disseminated pyrite (1-3%).	026215	40.00	42.00	2.00	810.	662.	38.	2600.	1.0
				026216	42.00	44.00	2.00	128.	794.	20.	800.	0.4
				026217	44.00	46.00	2.00	17.	88.	15.	830.	0.2
				026218	46.00	48.00	2.00	290.	1172.	23.	930.	0.4
				026219	48.00	50.00	2.00	81.	750.	18.	1300.	0.5

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-181
Grid System : ORIGINAL
Collar Eastings : 21888.100
Collar Northings : 19508.900
Collar Elevations : 929.100
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2.5					2	3-5	2													
4.00	6.00	2.5					2	3-5	2													
6.00	8.00	2.5					2	3-5	2													
8.00	10.00	2.5					2.5	3-5	2													
10.00	12.00	3				1	2.5	5-10	2.5													
12.00	14.00	3				2	2.5	5-10	2.5													
14.00	16.00	3				1	2.5	5-10	2.5													
16.00	18.00	1.5				2	2	1-3	1.5													
18.00	20.00	1.5				2	2	1-3	1.5													
20.00	22.00					2																
22.00	24.00	2.5				2	2	3-5	2													
24.00	26.00	2.5				2	2	3-5	2													
26.00	28.00	2.5				2	2	3-5	2													
28.00	30.00	1.5				2	1	0-3	1.5	TR												
30.00	32.00	1.5				2	1	0-3	1.5	TR												
32.00	34.00	1.5				2	1	0-3	1.5	TR												
34.00	36.00	1.5				2	1	0-3	1.5	TR												
36.00	38.00	1.5				2	1	0-3	1.5	TR												
38.00	40.00	1.5				2	1	0-3	1.5	TR												
40.00	42.00									1-3												
42.00	44.00									1-3												
44.00	46.00									1-3												
46.00	48.00									1-3												
48.00	50.00									1-3												

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-182
Grid System : ORIGINAL
Collar Eastings : 19621.580
Collar Northings : 20114.820
Collar Elevations : 852.100
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : GORDON C. MACKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	10.00	INT	Intensely altered intrusive.	026220	2.00	4.00	2.00	3210.	1162.	521.	1480.	1.7
4.00	6.00		5% Black argillite. Trace of realgar.	026221	4.00	6.00	2.00	1560.	408.	4224.	2080.	2.4
6.00	8.00		3% Massive stibnite.	026222	6.00	8.00	2.00	2180.	389.	20093.	2500.	7.5
8.00	10.00		5% Black argillite.	026223	8.00	10.00	2.00	1950.	917.	2114.	3600.	2.8
10.00	16.00	ARG	Black cherty argillite with white quartz stockwork.	026224	10.00	12.00	2.00	790.	220.	471.	10880.	4.0
				026225	12.00	14.00	2.00	116.	161.	124.	8300.	2.9
14.00	16.00		25% Altered limonitic intrusive.	026226	14.00	16.00	2.00	460.	2164.	113.	3200.	1.7
16.00	20.00	INT	Altered limonitic intrusive with 40% black argillite.	026227	16.00	18.00	2.00	430.	1165.	97.	7700.	2.6
				026228	18.00	20.00	2.00	86.	241.	260.	4000.	1.4
20.00	22.00	ARG	Black argillite with 20% altered limonitic intrusive chips.	026229	20.00	22.00	2.00	25.	110.	57.	3200.	3.1
22.00	40.00	INT	Weakly limonitic altered intrusive with minor pyrite. Also contains minor remnant biotite.	026230	22.00	24.00	2.00	40.	73.	53.	660.	0.4
				026231	24.00	26.00	2.00	15.	20.	33.	560.	0.1
				026232	26.00	28.00	2.00	38.	36.	86.	610.	0.2
				026233	28.00	30.00	2.00	16.	23.	41.	930.	0.3
				026234	30.00	32.00	2.00	16.	36.	53.	750.	0.3
				026235	32.00	34.00	2.00	21.	53.	52.	2500.	0.3
				026236	34.00	36.00	2.00	13.	25.	32.	780.	0.1
				026237	36.00	38.00	2.00	13.	31.	40.	920.	0.1
				026238	38.00	40.00	2.00	21.	18.	22.	770.	0.1

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-182
Grid System : ORIGINAL
Collar Eastings : 19621.580
Collar Northings : 20114.820
Collar Elevations : 852.100
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : GORDON C. MACKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	GEOTECHNICAL SAMPLES Reco-very %	Lim %	Break-age	Sr %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2					2.5	<1	2	<1												
4.00	6.00	2					2.5	<1	2	1												
6.00	8.00	2					2.5	<1	2	3												
8.00	10.00	2					2.5	<1	2	1												
10.00	12.00								2													
12.00	14.00																					
14.00	16.00																					
16.00	18.00	2					2	2	0.5													
18.00	20.00	2					2	2	0.5													
20.00	22.00								1.5													
22.00	24.00	1.5			1.5		1.5	1	0.5	<1												
24.00	26.00	1.5			2		1.5	1	0.5	<1												
26.00	28.00	1.5			1		1.5	1	0.5	<1												
28.00	30.00	1.5			1.5		1.5	1	0.5	<1												
30.00	32.00	1.5			1.5		1.5	1	0.5	<1												
32.00	34.00	1.5			1.5		1.5	1	0.5	<1												
34.00	36.00	1.5			1.5		1.5	1	0.5	<1												
36.00	38.00	1.5			1.5		1.5	1	0.5	<1												
38.00	40.00	1.5			1.5		1.5	1	0.5	<1												

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMERY CREEK
HOLE No. : BCRC 90-183
Grid System : ORIGINAL
Collar Eastings : 19619.170
Collar Northings : 20086.630
Collar Elevations : 846.980
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : GORDON C. MACKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	4.00	INT	Altered limonitic intrusive with 40% black argillite.	026239	2.00	4.00	2.00	700.	859.	525.	1400.	0.6
4.00	8.00	ARG	Grey to black argillite with 2% white quartz stockwork.	026240	4.00	6.00	2.00	63.	433.	167.	960.	0.2
				026241	6.00	8.00	2.00	280.	863.	85.	1500.	0.7
8.00	20.00	INT	Altered limontitic intrusive with trace magenta realgar.									
8.00	10.00		30% Black argillite.	026242	8.00	10.00	2.00	590.	2208.	220.	2100.	0.8
				026243	10.00	12.00	2.00	2010.	6142.	6447.	3800.	3.2
12.00	14.00		10% Quartz and stibnite veining.	026244	12.00	14.00	2.00	1730.	2312.	16838.	3400.	5.1
14.00	16.00		20% Quartz and stibnite veining.	026245	14.00	16.00	2.00	410.	649.	17675.	3200.	2.9
				026246	16.00	18.00	2.00	37.	200.	291.	360.	0.1
18.00	20.00		30% Black argillite.	026247	18.00	20.00	2.00	530.	1053.	260.	1100.	0.6
20.00	30.00	ARG	Cherty black argillite with 5-10% white quartz veining.	026248	20.00	22.00	2.00	55.	118.	126.	3500.	3.2
				026249	22.00	24.00	2.00	35.	77.	75.	4600.	3.7
				026250	24.00	26.00	2.00	117.	80.	100.	5600.	3.8
				026251	26.00	28.00	2.00	200.	188.	217.	6500.	2.1
				026252	28.00	30.00	2.00	50.	43.	61.	2100.	2.6
30.00	32.00	INT	Altered intrusive with 4% disseminated pyrite. Moderately oxidized.	026253	30.00	32.00	2.00	51.	448.	73.	1600.	1.4
32.00	40.00	ARG	Black cherty and graphitic argillite with minor white quartz stockwork.									
32.00	34.00		25% Altered intrusive.	026254	32.00	34.00	2.00	40.	68.	43.	1700.	1.3
34.00	38.00		5% Altered intrusive.	026255	34.00	36.00	2.00	22.	62.	40.	1400.	2.7
				026256	36.00	38.00	2.00	20.	45.	26.	1500.	2.8
38.00	40.00		30% Altered intrusive.	026257	38.00	40.00	2.00	7.	30.	21.	1300.	2.2

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-183
Grid System : ORIGINAL
Collar Eastings : 19619.170
Collar Northings : 20086.630
Collar Elevations : 846.980
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : GORDON C. MACKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

FROM	TO	Arg	Sil	Serc	GEOCHEMICAL SAMPLES Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00	2					2	2	1.5	
4.00	6.00								1	
6.00	8.00								1	
8.00	10.00	2					2.5	2	1.5	<1
10.00	12.00	2					2.5	2	1.5	<1
12.00	14.00	2					2.5	2	1.5	7
14.00	16.00	2					2.5	2	1.5	15
16.00	18.00	2					2.5	2	1.5	<1
18.00	20.00	2					2.5	2	1.5	<1
20.00	22.00								1.5	
22.00	24.00								1.5	
24.00	26.00								1.5	
26.00	28.00								1.5	
28.00	30.00								1.5	
30.00	32.00	2				1	2	1		4
32.00	34.00					1			1	
34.00	36.00					1			1	
36.00	38.00					1			1	
38.00	40.00					1			1	

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-184
Grid System : ORIGINAL
Collar Eastings : 19623.090
Collar Northings : 20034.420
Collar Elevations : 838.230
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : LENA K. BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	4.00	INT	Limonitic quartz rich intrusive with 20% black cherty argillite chips.	026258	2.00	4.00	2.00	599.	1243.	700.	2200.	0.8
4.00	8.00	ARG	Black cherty argillite with white quartz stockwork.									
4.00	6.00		20% Incompetant grey mudstone.	026259	4.00	6.00	2.00	266.	628.	164.	1300.	0.1
6.00	8.00		Some rusty limonitic quartz.	026260	6.00	8.00	2.00	70.	356.	96.	3200.	0.4
8.00	12.00	INT	Limonitic quartz rich intrusive.									
8.00	10.00		40% Black argillite.	026261	8.00	10.00	2.00	1995.	3988.	10427.	3400.	1.2
10.00	12.00		30% Black argillite with white quartz stockwork. 5% Incompetant grey mudstone.	026262	10.00	12.00	2.00	390.	1290.	499.	1600.	0.4
12.00	14.00	ARG	Black cherty argillite with white quartz stockwork. 5% Incompetant grey mudstone; 30% stockworked, limonitic porphyritic intrusive.	026263	12.00	14.00	2.00	304.	1309.	157.	3800.	1.1
14.00	28.00	INT	Limonitic quartz rich intrusive.									
14.00	18.00		5% Black argillite with white quartz stockwork.	026264	14.00	16.00	2.00	342.	2566.	256.	2500.	0.4
				026265	16.00	18.00	2.00	903.	1855.	555.	4100.	0.6
18.00	20.00		Hematitic stained quartz.	026266	18.00	20.00	2.00	874.	2593.	3259.	3300.	0.7
				026267	20.00	22.00	2.00	1359.	2500.	2150.	1800.	1.0
22.00	26.00		Abundant quartz. Some oxidized pyrite; chips of stibnite with antimony ochre.	026268	22.00	24.00	2.00	1796.	1822.	9319.	2300.	1.8
				026269	24.00	26.00	2.00	827.	728.	21177.	3200.	2.0
26.00	28.00		10% Black argillite.	026270	26.00	28.00	2.00	238.	896.	460.	2600.	1.2
28.00	32.00	ARG	Cherty black argillite with white quartz stockwork.									
28.00	30.00		Some limonitic stained quartz.	026271	28.00	30.00	2.00	86.	174.	195.	8500.	4.4
30.00	32.00		Extremely brecciated.	026272	30.00	32.00	2.00	92.	198.	112.	6100.	5.7
32.00	38.00	QFP	Pyritic white quartz feldspar porphyry.									

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMNER CREEK
HOLE No. : BCRC 90-184

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
32.00	34.00		10% Black argillite with white quartz stockwork.	026273	32.00	34.00	2.00	25.	65.	57.	1700.	0.8
				026274	34.00	36.00	2.00	18.	30.	50.	800.	0.3
36.00	38.00		5% Black argillite with white quartz stockwork.	026275	36.00	38.00	2.00	20.	44.	35.	1100.	0.6
38.00	40.00	ARG	Black argillite with white quartz stock-work.	026276	38.00	40.00	2.00	14.	43.	37.	640.	1.6

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-184
Grid System : ORIGINAL
Collar Eastings : 19623.090
Collar Northings : 20034.420
Collar Elevations : 838.230
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : LENA K. BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00	2.5					3	1	1	
4.00	6.00								2	
6.00	8.00								2	
8.00	10.00	3					2.5	2	1	
10.00	12.00	3					2.5	TR	1	
12.00	14.00							TR	2	
14.00	16.00	3					2.5	2	1	
16.00	18.00	3			1		2.5	2	2	
18.00	20.00	3			2.5		2.5	3	2	
20.00	22.00	3			3.5		2	3	2	
22.00	24.00	3					3	3	3	TR-1
24.00	26.00	3					3	1	3	1-2
26.00	28.00	2					2	3	1	
28.00	30.00									
30.00	32.00									
32.00	34.00	3			1		2			TR
34.00	36.00	3			1		2		TR	1-2
36.00	38.00	3			1		2			1-2
38.00	40.00									

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-185
Grid System : ORIGINAL
Collar Eastings : 19621.410
Collar Northings : 20004.490
Collar Elevations : 830.770
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : LENA K. BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	8.00	INT	Limonitic quartz rich intrusive.									
2.00	4.00		30% Black argillite with white quartz stockwork.	026277	2.00	4.00	2.00	1406.	3262.	4704.	1800.	1.0
4.00	6.00		Very limonitic.	026278	4.00	6.00	2.00	1273.	5356.	2547.	2500.	0.5
6.00	8.00		10% Black argilllite; 5% incompetant grey mudstone. Intrusive is hematite stained.	026279	6.00	8.00	2.00	2214.	4616.	1723.	3100.	1.0
8.00	14.00	ARG	Black cherty argillite with white quartz stockwork veining.									
8.00	10.00		40% Incompetant grey mudstone; some hematitic quartz present.	026280	8.00	10.00	2.00	808.	2002.	1057.	1600.	0.6
10.00	12.00		Argillite has rusty layers as interbeds. Also rusty veining.	026281	10.00	12.00	2.00	646.	1401.	385.	1800.	0.6
12.00	14.00		10% Limonitic quartz rich intrusive; 5% mudstone.	026282	12.00	14.00	2.00	1207.	1686.	183.	2800.	0.6
14.00	26.00	INT	Limonitic quartz rich intrusive.									
14.00	16.00		Abundant MnO2 staining.	026283	14.00	16.00	2.00	361.	2043.	408.	2500.	0.3
16.00	18.00		Trace of incompetant grey mudstone.	026284	16.00	18.00	2.00	181.	1204.	730.	5600.	0.4
18.00	20.00		Trace of disseminated pyrite.	026285	18.00	20.00	2.00	143.	1204.	337.	5100.	0.4
20.00	22.00		Trace of disseminated pyrite. Bladed green mineral - name?	026286	20.00	22.00	2.00	266.	1598.	441.	5800.	1.0
22.00	24.00		Trace of disseminated pyrite.	026287	22.00	24.00	2.00	228.	2060.	1031.	7200.	0.5
24.00	26.00		Hematite staining of quartz. Trace of disseminated pyrite. Trace of black argillite.	026288	24.00	26.00	2.00	456.	2463.	1055.	4100.	0.6
26.00	30.00	ARG	Black cherty argillite with white quartz stockwork.									
26.00	28.00		10% Limonitic quartz rich intrusive.	026289	26.00	28.00	2.00	637.	1991.	861.	8000.	4.2
				026290	28.00	30.00	2.00	162.	1159.	471.	13000.	6.0
30.00	32.00	QFP	Oxidized pyritic quartz feldspar porphyry.	026291	30.00	32.00	2.00	27.	272.	184.	2600.	1.0

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-185

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			20% Black argillite with white quartz stockwork.									
32.00	36.00	ARG	Black argillite with white quartz stockwork.									
32.00	34.00		10% Limonitic quartz rich intrusive.	026292	32.00	34.00	2.00	69.	251.	166.	4500.	3.4
				026293	34.00	36.00	2.00	55.	210.	71.	2100.	3.0
36.00	40.00	QFP	Pyritic quartz feldspar porphyry with weak to moderate oxidation.									
36.00	38.00		10% Black argillite.	026294	36.00	38.00	2.00	13.	61.	42.	750.	0.6
			Note: copperish brown metallics present- name? (general concensus is may be manganese oxide or drill bit).	026295	38.00	40.00	2.00	12.	58.	40.	620.	0.3

MORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-185
Grid System : ORIGINAL
Collar Eastings : 19621.410
Collar Northings : 20004.490
Collar Elevations : 830.770
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : LENA K. BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sr %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	3			2	2																
4.00	6.00	3			TR	3	2															
6.00	8.00	3			2	3	1															
8.00	10.00				1		1															
10.00	12.00				1		1															
12.00	14.00				1		3															
14.00	16.00	3			1	1.5	1															
16.00	18.00	2			2	2	1															
18.00	20.00	2				2	2		TR													
20.00	22.00	2			TR	2	1		TR													
22.00	24.00	2			3	2	TR		TR													
24.00	26.00	2			2	2			TR													
26.00	28.00						1															
28.00	30.00						2															
30.00	32.00	2			2	1.5			TR-1													
32.00	34.00						1															
34.00	36.00						2															

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-185

FROM	TO	Arg	Sil	Serc	GEOCHEMICAL SAMPLES Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
36.00	38.00	2			2		1.5		TR-1	
38.00	40.00	2			2		1.5		TR-1	

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-186
Grid System : ORIGINAL
Collar Eastings : 19620.920
Collar Northings : 19982.470
Collar Elevations : 825.580
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : LENA K BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	6.00	INT	Limonitic quartz rich intrusive. 10% Unoxidized pyritic quartz feldspar porphyry.	026296	2.00	4.00	2.00	1074.	3434.	740.	1200.	0.6
2.00	4.00											
4.00	6.00		5% Black argillite with white quartz stockwork. Some hematite stained quartz.	026297	4.00	6.00	2.00	1530.	4723.	703.	1900.	0.8
6.00	14.00	ARG	Black argillite with white quartz stockwork interbedded with grey mudstone.	026298	6.00	8.00	2.00	1150.	2433.	382.	1200.	0.6
				026299	8.00	10.00	2.00	532.	1697.	195.	1100.	0.4
10.00	12.00		NOTE: NO RECOVERY.	026300	10.00	12.00	2.00	437.	1869.	218.	1500.	0.5
12.00	14.00		75% Soft grey mudstone.	026301	12.00	14.00	2.00	2432.	2394.	81.	1700.	0.8
14.00	30.00	INT	Limonitic porphyritic intrusive.	026302	14.00	16.00	2.00	1378.	1571.	9609.	2300.	1.1
14.00	16.00		5% Grey incompetant shale.	026303	16.00	18.00	2.00	418.	1622.	1342.	3200.	0.4
16.00	18.00		Some vuggy quartz.	026304	18.00	20.00	2.00	1482.	1895.	4728.	3400.	1.2
				026305	20.00	22.00	2.00	950.	2470.	1216.	2800.	0.7
22.00	24.00		Abundant MnO2 staining.	026306	22.00	24.00	2.00	608.	1472.	593.	3600.	0.5
24.00	28.00		Abundant hematite staining.	026307	24.00	26.00	2.00	855.	3263.	315.	1800.	0.4
				026308	26.00	28.00	2.00	437.	1988.	385.	1400.	0.2
28.00	30.00		Stibnite and kemicite present in white quartz chips; 10% black argillite with white quartz stockwork; 20% grey incompetant mudstone.	026309	28.00	30.00	2.00	1235.	89.	30352.	3500.	6.6
30.00	40.00	ARG	Black argillite with white quartz stockwork. Contains 5% limonitic stained quartz.	026310	30.00	32.00	2.00	342.	555.	7428.	5500.	3.2
				026311	32.00	34.00	2.00	88.	256.	1883.	4300.	2.3
				026312	34.00	36.00	2.00	59.	149.	1305.	4900.	3.2
				026313	36.00	38.00	2.00	90.	140.	457.	3600.	3.0
				026314	38.00	40.00	2.00	59.	146.	376.	3200.	3.0

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-186
Grid System : ORIGINAL
Collar Eastings : 19620.920
Collar Northings : 19982.470
Collar Elevations : 825.580
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : LENA K BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2.5			3	2	1			1-2												
4.00	6.00	2.5			1.5	2	2			TR-1												
6.00	8.00																					
8.00	10.00																					
10.00	12.00																					
12.00	14.00																					
14.00	16.00	3			1	1.5	1	1		TR												
16.00	18.00	3			1	1.5	1	1		TR												
18.00	20.00	3			1	1.5	2	1		TR												
20.00	22.00	3			TR	1.5	2	2														
22.00	24.00	3				1	3	1		TR												
24.00	26.00	3			3	1	3	1		TR												
26.00	28.00	3			3	1	2	1-2		TR												
28.00	30.00					1.5		1-2		1-2												
30.00	32.00																					
32.00	34.00																					
34.00	36.00																					
36.00	38.00																					
38.00	40.00																					

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMNER CREEK
HOLE No. : BCRC 90-187
Grid System : ORIGINAL
Collar Eastings : 19624.950
Collar Northings : 19957.570
Collar Elevations : 818.980
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	32.00	INT	Limonitic quartz rich intrusive.									
2.00	4.00		Large chips of stibnite comprise 10%. Minor argillite.	026315	2.00	4.00	2.00	3069.	4086.	19628.	8200.	9.8
4.00	12.00		Moderate quartz stockwork with 10-15% rusty quartz.	026316	4.00	6.00	2.00	998.	2820.	2536.	3600.	1.0
				026317	6.00	8.00	2.00	1283.	3024.	1075.	4500.	1.2
				026318	8.00	10.00	2.00	1340.	3350.	1548.	5100.	1.0
				026319	10.00	12.00	2.00	998.	3472.	2065.	4000.	0.6
12.00	20.00		2-3% Stibnite. Strong quartz stockwork. 75% Rusty quartz.	026320	12.00	14.00	2.00	1834.	2772.	24417.	3900.	2.7
				026321	14.00	16.00	2.00	1169.	3701.	4840.	4300.	0.7
				026322	16.00	18.00	2.00	903.	2884.	17406.	2100.	0.4
				026323	18.00	20.00	2.00	1539.	3221.	5282.	4000.	1.6
20.00	32.00		Moderate quartz stockwork. Minor rusty quartz. Limonite staining increases from 2% at 20m to 4% at 32m.	026324	20.00	22.00	2.00	1245.	2520.	6191.	3800.	2.6
				026325	22.00	24.00	2.00	2081.	2585.	2287.	4800.	1.8
				026326	24.00	26.00	2.00	1473.	1881.	2177.	4500.	1.4
				026327	26.00	28.00	2.00	1045.	2090.	1033.	5400.	0.9
				026328	28.00	30.00	2.00	1444.	2683.	1852.	4400.	1.6
				026329	30.00	32.00	2.00	2252.	2816.	8253.	5200.	2.6
32.00	40.00	ARG	Dark black graphitic argillite with minor quartz stockwork.	026330	32.00	34.00	2.00	350.	381.	643.	4300.	2.4
				026331	34.00	36.00	2.00	88.	127.	280.	3600.	2.5
				026332	36.00	38.00	2.00	130.	266.	521.	3500.	1.6
				026333	38.00	40.00	2.00	88.	163.	373.	2100.	0.7

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-187
Grid System : ORIGINAL
Collar Eastings : 19624.950
Collar Northings : 19957.570
Collar Elevations : 818.980
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	3					3	1	2	5												
4.00	6.00	3					3	3	2													
6.00	8.00	3					3	3	2													
8.00	10.00	3					3	1	2													
10.00	12.00	3					3	3	2													
12.00	14.00	3			1		3	4	2													
14.00	16.00	3			1		3	2	3	2												
16.00	18.00	3			2		3	2	3	2												
18.00	20.00	3			2		3.5	3	3	2												
20.00	22.00	3					3.5	2	3	2												
22.00	24.00	3					3	2	2													
24.00	26.00	3					3	3	2													
26.00	28.00	3					3	3	2													
28.00	30.00	3					3	4	2													
30.00	32.00	3					3	4	3													
32.00	34.00	3					3		3	1												
34.00	36.00									1												
36.00	38.00									1												
38.00	40.00									1												

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREMNER CREEK
HOLE No. : BCRC 90-188
Grid System : ORIGINAL
Collar Eastings : 19624.270
Collar Northings : 19933.590
Collar Elevations : 814.530
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : LENA K BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	4.00	ARG	Black argillite with white quartz stockwork.	026334	2.00	4.00	2.00	390.	871.	520.	2700.	0.9
4.00	28.00	INT	Limonitic quartz rich intrusive.	026335	4.00	6.00	2.00	110.	375.	880.	4100.	0.6
6.00	8.00		Trace of pyrite; 5% black argillite with white quartz stockwork.	026336	6.00	8.00	2.00	87.	409.	383.	3800.	0.6
8.00	10.00		Stibnite with kermicite chips; trace of black argillite.	026337	8.00	10.00	2.00	230.	837.	5800.	3600.	1.1
12.00	14.00		Strong hematite staining of quartz; trace of black argillite.	026338	10.00	12.00	2.00	89.	586.	414.	3400.	0.3
14.00	16.00		10% Unoxidized grey intrusive.	026339	12.00	14.00	2.00	2950.	4832.	1800.	4700.	1.8
16.00	18.00		MnO2 staining.	026340	14.00	16.00	2.00	2390.	6114.	1787.	6800.	1.8
				026341	16.00	18.00	2.00	1880.	4042.	624.	3100.	1.0
				026342	18.00	20.00	2.00	710.	1986.	463.	1400.	0.6
				026343	20.00	22.00	2.00	340.	1781.	435.	1300.	0.3
				026344	22.00	24.00	2.00	1150.	3117.	449.	2300.	0.7
				026345	24.00	26.00	2.00	480.	1648.	264.	1500.	0.7
26.00	28.00		40% Black argillite with white quartz stockwork.	026346	26.00	28.00	2.00	620.	1329.	351.	2500.	0.7
28.00	38.00	ARG	Black argillite with white quartz stockwork.	026347	28.00	30.00	2.00	380.	1122.	400.	2600.	0.8
28.00	30.00		20% Limonitic intrusive with quartz stockwork.	026348	30.00	32.00	2.00	920.	1710.	469.	3100.	0.6
30.00	32.00		30% Pyritic oxidized intrusive with quartz stockwork.	026349	32.00	34.00	2.00	3750.	4341.	485.	4300.	1.4
32.00	34.00		40% Pyritic oxidized intrusive with quartz stockwork.	026350	34.00	36.00	2.00	1080.	1357.	423.	5100.	1.1
34.00	36.00		10% Pyritic limonitic intrusive.	026351	36.00	38.00	2.00	1170.	1495.	341.	3700.	0.8
36.00	38.00		20% Limonitic quartz.									
38.00	40.00	QFP	White pyritic quartz feldspar porphyry. Contains 30% black argillite with cubic disseminated pyrite.	026352	38.00	40.00	2.00	230.	439.	104.	1300.	0.2

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-188
Grid System : ORIGINAL
Collar Eastings : 19624.270
Collar Northings : 19933.590
Collar Elevations : 814.530
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : LENA K BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00				1					
4.00	6.00	3				3	1	3		
6.00	8.00	3			2	3	1	2		TR
8.00	10.00	3				2	1	3		1-2
10.00	12.00	3			1	2.5	2	2		
12.00	14.00	3			1	2	2	2		
14.00	16.00	2				1.5	2	2		TR
16.00	18.00	2			1	1.5	1	2		
18.00	20.00	2			1	1.5	2	1		
20.00	22.00	2			2	1.5	2	TR		
22.00	24.00	2			2	1.5	4			
24.00	26.00	2			2	1.5	2			
26.00	28.00	2				1.5	1	2		
28.00	30.00									
30.00	32.00									TR-1
32.00	34.00									1-2
34.00	36.00									2-3
36.00	38.00									TR
38.00	40.00	2			1	1.5				1-3

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Sr %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PAGE : 1

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-189
Grid System : ORIGINAL
Collar Eastings : 19626.270
Collar Northings : 19909.020
Collar Elevations : 809.500
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : LENA K BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	14.00	INT	Limonitic quartz rich intrusive.									
2.00	4.00		Some white (5%) quartz chips with stibnite.	026353	2.00	4.00	2.00	330.	1025.	397.	5200.	0.3
4.00	8.00		Hematitic staining of quartz.	026354	4.00	6.00	2.00	440.	913.	644.	1900.	0.4
				026355	6.00	8.00	2.00	920.	2100.	449.	4500.	0.6
				026356	8.00	10.00	2.00	610.	1688.	600.	2500.	0.1
				026357	10.00	12.00	2.00	210.	881.	244.	3100.	0.3
12.00	14.00		Trace of black argillite.	026358	12.00	14.00	2.00	380.	1600.	973.	4300.	0.2
14.00	20.00	ARG	Black argillite with white quartz stock-work.									
14.00	16.00		5% Rusty intrusive.	026359	14.00	16.00	2.00	50.	361.	284.	5400.	0.5
				026360	16.00	18.00	2.00	88.	727.	304.	9500.	0.6
18.00	20.00		10% Limonitic quartz.	026361	18.00	20.00	2.00	55.	764.	266.	9700.	0.6
20.00	24.00	INT	Limonitic quartz rich intrusive.									
20.00	24.00		20% Black argillite with white quartz stockwork.	026362	20.00	22.00	2.00	84.	1310.	341.	4600.	0.5
				026363	22.00	24.00	2.00	390.	1206.	293.	4500.	1.2
24.00	30.00	ARG	Black cherty argillite.									
24.00	28.00		10% Limonitic intrusive.	026364	24.00	26.00	2.00	98.	575.	181.	5200.	1.3
				026365	26.00	28.00	2.00	52.	373.	163.	5600.	1.1
28.00	30.00		20% Limonitic intrusive.	026366	28.00	30.00	2.00	304.	924.	245.	6600.	1.8
30.00	32.00	INT	Limonitic quartz rich intrusive; 5% black argillite.	026367	30.00	32.00	2.00	1235.	2314.	289.	3800.	1.2
32.00	40.00	ARG	Black cherty argillite with minor white quartz stockwork.									
32.00	34.00		Very silicified; pale grey in colour.	026368	32.00	34.00	2.00	428.	277.	792.	8700.	5.6
				026369	34.00	36.00	2.00	228.	139.	634.	5800.	7.3
				026370	36.00	38.00	2.00	39.	44.	133.	8200.	2.4
				026371	38.00	40.00	2.00	15.	35.	75.	4300.	2.1

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-189
Grid System : ORIGINAL
Collar Eastings : 19626.270
Collar Northings : 19909.020
Collar Elevations : 809.500
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : LENA K BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES

FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00	2			2	1.5	1	1		TR
4.00	6.00	2			2	1.5	2	1		TR
6.00	8.00	2			2	1.5	2	1		TR
8.00	10.00	2			2	1.5	2	1		TR
10.00	12.00	2			1	1.5	2	1		
12.00	14.00	2			1	1.5	2	1		
14.00	16.00									
16.00	18.00									
18.00	20.00									
20.00	22.00	2					2	2	2	
22.00	24.00	2					2	1	2	
24.00	26.00									
26.00	28.00									
28.00	30.00							1		
30.00	32.00	2			1	2		2	1	
32.00	34.00									
34.00	36.00									
36.00	38.00									
38.00	40.00									

GEOTECHNICAL SAMPLES

FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-190
Grid System : ORIGINAL
Collar Eastings : 19627.730
Collar Northings : 19882.880
Collar Elevations : 802.840
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : R. DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	6.00	INT	Quartz rich limonitic intrusive with minor quartz stockwork.	026373	2.00	4.00	2.00	1264.	2090.	1076.	2380.	0.8
				026374	4.00	6.00	2.00	494.	1004.	539.	2680.	0.7
6.00	18.00	ARG	Dark black argillite.									
6.00	8.00		30% Limonitic intrusive.	026375	6.00	8.00	2.00	323.	681.	400.	3100.	0.8
8.00	10.00		Intense quartz stockwork.	026376	8.00	10.00	2.00	57.	258.	208.	1800.	0.5
				026377	10.00	12.00	2.00	26.	112.	162.	1700.	1.0
				026378	12.00	14.00	2.00	23.	759.	216.	3500.	1.4
14.00	16.00		10% Limonitic intrusive.	026379	14.00	16.00	2.00	58.	853.	227.	2600.	0.8
				026380	16.00	18.00	2.00	29.	544.	139.	6100.	1.3
18.00	24.00	INT	Quartz rich limonitic intrusive with strong argillic alteration and moderate quartz stockwork. Minor rusty quartz.	026381	18.00	20.00	2.00	295.	1605.	316.	1600.	0.7
				026382	20.00	22.00	2.00	380.	1714.	481.	1300.	0.7
				026383	22.00	24.00	2.00	314.	665.	1329.	1900.	2.2
24.00	40.00	ARG	Dark black argillite.									
24.00	26.00		20% Limonitic intrusive with moderate quartz stockwork.	026384	24.00	26.00	2.00	361.	420.	11205.	2100.	3.4
				026385	26.00	28.00	2.00	238.	270.	2003.	5200.	2.7
28.00	32.00		50% Quartz rich limonitic intrusive.	026386	28.00	30.00	2.00	912.	1221.	1010.	5100.	3.0
				026387	30.00	32.00	2.00	580.	1080.	497.	3600.	1.0
				026388	32.00	34.00	2.00	47.	210.	402.	5600.	0.8
				026389	34.00	36.00	2.00	60.	257.	786.	7300.	2.3
				026390	36.00	38.00	2.00	114.	154.	378.	7500.	2.6
				026391	38.00	40.00	2.00	52.	106.	217.	10400.	2.5

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-190
Grid System : ORIGINAL
Collar Eastings : 19627.730
Collar Northings : 19882.880
Collar Elevations : 802.040
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : R. DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SON
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2.5			2	2	2	1														
4.00	6.00	2.5			2	2	2	1														
6.00	8.00				1																	
8.00	10.00				1																	
10.00	12.00				1																	
12.00	14.00																					
14.00	16.00																					
16.00	18.00																					
18.00	20.00	3				3	3	2														
20.00	22.00	3				3	3	2														
22.00	24.00	3				3	3	3														
24.00	26.00																					
26.00	28.00																					
28.00	30.00																					
30.00	32.00																					
32.00	34.00																					
34.00	36.00																					
36.00	38.00																					
38.00	40.00																					

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-191
Grid System : ORIGINAL
Collar Eastings : 19625.810
Collar Northings : 19859.980
Collar Elevations : 797.160
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	4.00	ARG	Dark black argillite.	026392	2.00	4.00	2.00	68.	257.	265.	3500.	0.5
4.00	18.00	INT	Quartz rich limonitic intrusive with minor quartz stockwork.									
4.00	6.00		20% Argillite.	026393	4.00	6.00	2.00	599.	1442.	326.	4100.	0.7
				026394	6.00	8.00	2.00	570.	2018.	357.	6100.	0.6
				026395	8.00	10.00	2.00	456.	1474.	159.	2800.	0.3
10.00	18.00		Moderate quartz stockwork with minor rusty quartz.	026396	10.00	12.00	2.00	456.	1909.	164.	2100.	0.6
				026397	12.00	14.00	2.00	181.	1085.	202.	1800.	0.4
				026398	14.00	16.00	2.00	95.	1235.	421.	1200.	0.4
				026399	16.00	18.00	2.00	71.	629.	385.	1100.	0.3
18.00	26.00	ARG	Dark black argillite with 5% limonitic intrusive.	026400	18.00	20.00	2.00	61.	363.	436.	2600.	0.7
				026401	20.00	22.00	2.00	30.	294.	456.	4300.	0.5
				026402	22.00	24.00	2.00	55.	260.	475.	3800.	0.8
				026403	24.00	26.00	2.00	160.	202.	617.	5400.	3.0
26.00	28.00	INT	Quartz rich limonitic intrusive with strong quartz stockwork contains 15% rusty quartz.	026404	26.00	28.00	2.00	710.	2151.	830.	4000.	1.7
28.00	40.00	ARG	Dark black argillite.									
28.00	30.00		10% Limonitic intrusive.	026405	28.00	30.00	2.00	380.	795.	622.	5800.	2.5
				026406	30.00	32.00	2.00	43.	223.	574.	5700.	1.4
				026407	32.00	34.00	2.00	26.	151.	326.	4500.	1.3
34.00	36.00		50% Limonitic quartz. Strong quartz stockwork with 1% pyrite.	026408	34.00	36.00	2.00	670.	1592.	386.	4800.	1.5
36.00	40.00		Moderate white quartz stockwork.	026409	36.00	38.00	2.00	92.	292.	242.	10600.	3.2
				026410	38.00	40.00	2.00	68.	109.	180.	8500.	6.1

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-191
Grid System : ORIGINAL
Collar Eastings : 19625.810
Collar Northings : 19859.980
Collar Elevations : 797.160
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00																					
4.00	6.00	2.5					2.5	3	1													
6.00	8.00	2.5			1		2.5	3	1													
8.00	10.00	2.5			1		2.5	3	1													
10.00	12.00	2.5			2		2.5	3	2													
12.00	14.00	2.5			2		2.5	3	2													
14.00	16.00	2.5			1		3	4	2													
16.00	18.00	2.5			1		3	4	2													
18.00	20.00																					
20.00	22.00																					
22.00	24.00																					
24.00	26.00																					
26.00	28.00	3					3.5	2	3													
28.00	30.00																					
30.00	32.00																					
32.00	34.00																					
34.00	36.00								3	1												
36.00	38.00								3	1												
38.00	40.00								2	1												

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-192
Grid System : ORIGINAL
Collar Eastings : 19628.200
Collar Northings : 19835.500
Collar Elevations : 788.900
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	16.00	ARG	Dark black argillite.	026411	2.00	4.00	2.00	36.	1182.	324.	2200.	0.6
				026412	4.00	6.00	2.00	10.	1373.	429.	3000.	1.0
				026413	6.00	8.00	2.00	35.	1180.	537.	4100.	0.8
				026414	8.00	10.00	2.00	18.	204.	258.	10400.	2.0
				026415	10.00	12.00	2.00	11.	460.	211.	8300.	1.7
				026416	12.00	14.00	2.00	28.	1103.	586.	7800.	2.5
14.00	16.00		10% Limonitic intrusive.	026417	14.00	16.00	2.00	71.	920.	1179.	6800.	1.9
16.00	26.00	INT	Quartz rich limonitic intrusive with minor quartz stockwork.	026418	16.00	18.00	2.00	270.	764.	975.	2800.	0.8
				026419	18.00	20.00	2.00	140.	637.	861.	3800.	0.4
				026420	20.00	22.00	2.00	260.	758.	682.	4300.	0.5
				026421	22.00	24.00	2.00	110.	430.	841.	3700.	0.4
				026422	24.00	26.00	2.00	220.	400.	854.	4400.	1.1
26.00	30.00	ARG	Dark black argillite with 20% limonitic intrusive.	026423	26.00	28.00	2.00	130.	282.	586.	4300.	1.1
				026424	28.00	30.00	2.00	91.	327.	601.	4400.	2.2
30.00	32.00	INT	Quartz rich limonitic intrusive. Weakly limonitic with 1% pyrite. 20% Argillite.	026425	30.00	32.00	2.00	540.	1276.	1494.	4600.	1.6
32.00	34.00	ARG	Dark black argillite mixed 20% with weakly limonitic intrusive.	026426	32.00	34.00	2.00	250.	923.	781.	5900.	2.1
34.00	36.00	INT	Quartz rich weakly limonitic intrusive. 1-2% Pyrite. Contains moderate quartz stockwork.	026427	34.00	36.00	2.00	1130.	2789.	634.	7000.	2.3
36.00	40.00	ARG	Dark black argillite.									
36.00	38.00		10% Weakly limonitic intrusive.	026428	36.00	38.00	2.00	490.	847.	497.	5800.	3.1
				026429	38.00	40.00	2.00	230.	311.	264.	8500.	3.6

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-192
Grid System : ORIGINAL
Collar Eastings : 19628.200
Collar Northings : 19835.500
Collar Elevations : 788.900
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled by : MIDNIGHT SUN
Core Size : BQ

FROM	TO	Arg	Sil	Serc	GEOCHEMICAL SAMPLES Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00									
4.00	6.00									
6.00	8.00									
8.00	10.00									
10.00	12.00									
12.00	14.00									
14.00	16.00									
16.00	18.00	2					2	4	1	
18.00	20.00	2				3	2	3	1	
20.00	22.00	2				3	2	3	1	
22.00	24.00	2					2	3	1	
24.00	26.00	2					2	3	1	
26.00	28.00									
28.00	30.00									
30.00	32.00	2.5					2.5	1	2	1
32.00	34.00	2.5							1	1
34.00	36.00	2.5					2.5	1	2	2
36.00	38.00								1	1
38.00	40.00									1

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Sr %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-193
Grid System : ORIGINAL
Collar Eastings : 19628.900
Collar Northings : 19808.700
Collar Elevations : 780.300
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	16.00	ARG	Dark black argillite.	026430	2.00	4.00	2.00	54.	442.	208.	2500.	0.9
				026431	4.00	6.00	2.00	36.	335.	170.	3600.	1.2
6.00	8.00		20% Limonitic intrusive.	026432	6.00	8.00	2.00	47.	950.	34..	4500.	0.7
				026433	8.00	10.00	2.00	56.	590.	328.	7300.	1.1
				026434	10.00	12.00	2.00	71.	719.	468.	6800.	1.3
				026435	12.00	14.00	2.00	64.	177.	155.	4200.	1.0
14.00	16.00		20% Limonitic intrusive.	026436	14.00	16.00	2.00	58.	333.	173.	3300.	0.7
16.00	24.00	INT	Quartz rich limonitic intrusive with weak to moderate clay alteration. Minor quartz stockwork.	026437	16.00	18.00	2.00	290.	1009.	4727.	3600.	1.3
				026438	18.00	20.00	2.00	490.	1412.	6107.	2800.	1.5
20.00	24.00		Weakly limonitic. Contains 1-2% pyrite.	026439	20.00	22.00	2.00	960.	798.	7591.	2200.	2.9
				026440	22.00	24.00	2.00	350.	681.	2934.	2100.	1.8
24.00	40.00	ARG	Dark black argillite.	026441	24.00	26.00	2.00	140.	267.	714.	2400.	1.2
				026442	26.00	28.00	2.00	130.	194.	217.	3200.	0.7
				026443	28.00	30.00	2.00	99.	61.	87.	4100.	0.3
				026444	30.00	32.00	2.00	91.	69.	114.	3300.	0.9
32.00	36.00		15% Weakly limonitic intrusive with 1% pyrite.	026445	32.00	34.00	2.00	290.	477.	65.	4300.	1.6
				026446	34.00	36.00	2.00	3620.	2236.	152.	3200.	1.3
36.00	40.00		50% Weakly limonitic intrusive with 1% pyrite.	026447	36.00	38.00	2.00	1630.	896.	181.	2700.	1.5
				026448	38.00	40.00	2.00	1950.	1994.	141.	3000.	1.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-193
Grid System : ORIGINAL
Collar Eastings : 19628.900
Collar Northings : 19806.700
Collar Elevations : 780.300
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

PAGE : 1

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00																					
4.00	6.00																					
6.00	8.00						TR															
8.00	10.00																					
10.00	12.00																					
12.00	14.00																					
14.00	16.00																					
16.00	18.00	2					2.5	2	1													
18.00	20.00	2					2.5	2	1													
20.00	22.00	2					2.5	1	1	1												
22.00	24.00	2					2.5	1	1	1												
24.00	26.00																					
26.00	28.00																					
28.00	30.00				1																	
30.00	32.00				3																	
32.00	34.00				1					TR												
34.00	36.00									TR												
36.00	38.00	2					2.5	1		1												
38.00	40.00	2					2.5	1		1												

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PAGE : 1

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-194
Grid System : ORIGINAL
Collar Eastings : 17626.100
Collar Northings : 20398.900
Collar Elevations : 809.000
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sr ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	18.00	SST	Dark grey to black sandstone with moderate quartz veining.									
2.00	4.00		Weakly limonitic.	026452	2.00	4.00	2.00	290.	158.	94.	360.	0.9
				026453	4.00	6.00	2.00	360.	50.	90.	470.	0.8
				026454	6.00	8.00	2.00	280.	102.	29.	490.	0.4
				026455	8.00	10.00	2.00	460.	286.	32.	520.	0.6
				026456	10.00	12.00	2.00	190.	266.	55.	440.	0.2
				026457	12.00	14.00	2.00	200.	294.	43.	540.	0.3
				026458	14.00	16.00	2.00	560.	330.	74.	780.	0.5
				026459	16.00	18.00	2.00	280.	157.	65.	720.	0.3
18.00	26.00	CPC	Dark grey chert pebble conglomerate/ breccia.	026460	18.00	20.00	2.00	120.	123.	151.	540.	0.2
				026461	20.00	22.00	2.00	460.	265.	111.	730.	0.7
				026462	22.00	24.00	2.00	760.	709.	102.	780.	0.7
				026463	24.00	26.00	2.00	290.	438.	56.	800.	0.4
26.00	50.00	ARG	Dark grey to black cherty argillite. Fine grained moderate hairline quartz stock-work.	026464	26.00	28.00	2.00	320.	672.	66.	750.	0.8
				026465	28.00	30.00	2.00	390.	975.	109.	4900.	0.8
				026466	30.00	32.00	2.00	110.	62.	45.	5400.	0.6
				026467	32.00	34.00	2.00	54.	125.	44.	2500.	0.2
34.00	40.00		Weakly limonitic.	026468	34.00	36.00	2.00	46.	180.	37.	600.	0.1
				026469	36.00	38.00	2.00	45.	245.	26.	650.	0.1
				026470	38.00	40.00	2.00	26.	156.	34.	750.	0.2
				026471	40.00	42.00	2.00	45.	586.	77.	1100.	0.2
				026472	42.00	44.00	2.00	76.	610.	34.	1300.	0.9
				026473	44.00	46.00	2.00	73.	146.	109.	600.	0.3
				026474	46.00	48.00	2.00	76.	55.	42.	720.	0.3
				026475	48.00	50.00	2.00	49.	45.	37.	2500.	0.2

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-194
Grid System : ORIGINAL
Collar Eastings : 17626.100
Collar Northings : 20398.900
Collar Elevations : 809.000
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BQ

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00							1		
4.00	6.00									
6.00	8.00									
8.00	10.00									
10.00	12.00									
12.00	14.00									
14.00	16.00									
16.00	18.00									
18.00	20.00									
20.00	22.00									
22.00	24.00									
24.00	26.00									
26.00	28.00								2	
28.00	30.00								2	
30.00	32.00								2	
32.00	34.00								2	
34.00	36.00							TR	2	
36.00	38.00							TR	2	
38.00	40.00							TR	2	
40.00	42.00								2	
42.00	44.00								2	
44.00	46.00								2	
46.00	48.00								2	
48.00	50.00								2	

FROM	TO	GEOTECHNICAL SAMPLES Reco-very %	Lim %	Break-age	Sa %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-195
Grid System : ORIGINAL
Collar Eastings : 19707.800
Collar Northings : 20093.300
Collar Elevations : 853.200
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	24.00	INT	Quartz rich limonitic intrusive.									
2.00	6.00		Light pink staining on chips (mercury or hematite).	026476	2.00	4.00	2.00	35.	102.	47.	1800.	0.4
				026477	4.00	6.00	2.00	18.	56.	33.	1300.	0.4
				026478	6.00	8.00	2.00	26.	93.	69.	1400.	0.4
				026479	8.00	10.00	2.00	23.	142.	55.	1200.	0.4
				026480	10.00	12.00	2.00	110.	335.	64.	1300.	0.5
				026481	12.00	14.00	2.00	17.	59.	25.	1200.	0.4
				026482	14.00	16.00	2.00	9.	63.	25.	1800.	0.5
16.00	18.00		5% Argillite.	026483	16.00	18.00	2.00	10.	42.	26.	1100.	0.3
18.00	20.00		Minor quartz stockwork.	026484	18.00	20.00	2.00	5.	52.	28.	1050.	0.2
				026485	20.00	22.00	2.00	6.	45.	32.	1200.	0.4
22.00	24.00		Minor rusty quartz. Minor quartz stock-work.	026486	22.00	24.00	2.00	3.	34.	26.	880.	0.3
24.00	50.00	ARG	Dark black argillite.	026487	24.00	26.00	2.00	6.	44.	22.	2900.	3.2
				026488	26.00	28.00	2.00	5.	28.	15.	2200.	2.4
28.00	32.00		5-10% Limonitic intrusive.	026489	28.00	30.00	2.00	8.	36.	18.	1500.	2.0
				026490	30.00	32.00	2.00	4.	62.	24.	3800.	3.6
				026491	32.00	34.00	2.00	7.	52.	24.	2200.	2.1
				026492	34.00	36.00	2.00	9.	31.	15.	2500.	2.4
				026493	36.00	38.00	2.00	1.	32.	32.	3700.	3.1
				026494	38.00	40.00	2.00	1.	51.	37.	7800.	2.5
				026495	40.00	42.00	2.00	2.	46.	33.	4500.	2.7
				026496	42.00	44.00	2.00	2.	35.	18.	2900.	2.7
				026497	44.00	46.00	2.00	1.	31.	19.	3200.	2.8
				026498	46.00	48.00	2.00	3.	26.	16.	2100.	0.7
				026499	48.00	50.00	2.00	2.	12.	13.	1100.	0.4

N. RANGE EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-195
Grid System : ORIGINAL
Collar Eastings : 19707.800
Collar Northings : 20093.300
Collar Elevations : 853.200
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled by : MIDNIGHT SUN
Core Size : BC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sa %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2			1	2	3															
4.00	6.00	2			1	2	3		TR													
6.00	8.00	2			3	2	3															
8.00	10.00	2			3	2	3															
10.00	12.00	2			3	2	3															
12.00	14.00	2			3	2	3															
14.00	16.00	2			3	2	2															
16.00	18.00	2			3	2	2															
18.00	20.00	2			2	2.5	2		1													
20.00	22.00	2			2	2.5	2															
22.00	24.00	2.5			2	2.5	3		1													
24.00	26.00																					
26.00	28.00																					
28.00	30.00																					
30.00	32.00																					
32.00	34.00																					
34.00	36.00																					
36.00	38.00																					
38.00	40.00																					
40.00	42.00																					
42.00	44.00																					
44.00	46.00																					
46.00	48.00																					
48.00	50.00																					

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-196
Grid System : ORIGINAL
Collar Eastings : 19710.460
Collar Northings : 20070.910
Collar Elevations : 849.230
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged By : PICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BQ

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	6.00	INT	Quartz rich limonitic intrusive. Large chips. Possible overburden?	026500	2.00	4.00	2.00	37.	160.	106.	1200.	0.4
				026501	4.00	6.00	2.00	330.	286.	461.	1400.	1.0
6.00	26.00	ARG	Dark black argillite with 5-10% limonitic intrusive. White quartz veining in the argillite.	026502	6.00	8.00	2.00	2350.	1302.	230.	2500.	1.4
				026503	8.00	10.00	2.00	1390.	1343.	296.	4600.	2.0
				026504	10.00	12.00	2.00	620.	1697.	136.	4300.	1.3
				026505	12.00	14.00	2.00	360.	738.	235.	5800.	1.4
				026506	14.00	16.00	2.00	910.	297.	338.	6400.	2.0
16.00	20.00		Strong quartz veining, weakly limonitic.	026507	16.00	18.00	2.00	670.	359.	528.	4600.	1.7
				026508	18.00	20.00	2.00	230.	294.	403.	5400.	1.0
				026509	20.00	22.00	2.00	81.	145.	121.	5000.	0.7
				026510	22.00	24.00	2.00	360.	194.	133.	4600.	0.6
				026511	24.00	26.00	2.00	400.	210.	65[illegible].	3500.	0.6
26.00	30.00	INT	Quartz rich limonitic intrusive.	026512	26.00	28.00	2.00	310.	99.	32[illegible].	2300.	0.4
				026513	28.00	30.00	2.00	210.	27.	2[illegible].	1100.	0.2
30.00	40.00	ARG	Dark black argillite (graphitic).	026514	30.00	32.00	2.00	39.	40.	3[illegible].	1700.	2.4
				026515	32.00	34.00	2.00	15.	32.	2[illegible].	1200.	2.2
				026516	34.00	36.00	2.00	20.	46.	3[illegible].	3600.	3.6
				026517	36.00	38.00	2.00	7.	32.	1[illegible].	2800.	3.0
				026518	38.00	40.00	2.00	6.	42.	2[illegible].	2200.	3.6

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PAGE : 1

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-196
Grid System : ORIGINAL
Collar Eastings : 19710.460
Collar Northings : 20070.910
Collar Elevations : 849.230
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

FROM	TO	Arg	Sil	Serc	GEOCHEMICAL SAMPLES Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00									
4.00	6.00								2	
6.00	8.00								2	
8.00	10.00								2	
10.00	12.00								2	
12.00	14.00								2	
14.00	16.00							TR	3	
16.00	18.00							TR	3	
18.00	20.00								2	
20.00	22.00								2	
22.00	24.00								2	
24.00	26.00								TR	
26.00	28.00	2			3	2	3		TR	
28.00	30.00	2			3	2	3		TR	
30.00	32.00									1
32.00	34.00									1
34.00	36.00									1
36.00	38.00									1
38.00	40.00									

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Sz	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-197
Grid System : ORIGINAL
Collar Eastings : 19708.730
Collar Northings : 20043.430
Collar Elevations : 842.370
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 34.00
Claim No. :

Logged By : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	4.00	INT	Quartz rich limonitic intrusive. Large chips - possible overburden?	026519	2.00	4.00	2.00	120.	227.	364.	1300.	0.6
4.00	34.00	ARG	Dark black argillite	026520	4.00	6.00	2.00	850.	257.	126.	2500.	1.7
				026521	6.00	8.00	2.00	250.	204.	83.	3000.	0.7
8.00	16.00		Very clay rich; light grey colour - possible fault?	026522	8.00	10.00	2.00	440.	496.	47.	2200.	0.7
				026523	10.00	12.00	2.00	400.	497.	91.	2900.	1.6
				026524	12.00	14.00	2.00	350.	849.	136.	3500.	0.7
				026525	14.00	16.00	2.00	6010.	1375.	4915.	3800.	3.7
16.00	20.00		Strong quartz stockwork. 5-10% Limonitic intrusive.	026526	16.00	18.00	2.00	2810.	102.	16795.	4100.	7.7
				026527	18.00	20.00	2.00	1630.	375.	6578.	8200.	3.3
				026528	20.00	22.00	2.00	330.	326.	1922.	6500.	2.7
				026529	22.00	24.00	2.00	99.	132.	363.	6200.	1.4
				026530	24.00	26.00	2.00	150.	130.	215.	4500.	1.7
				026531	26.00	28.00	2.00	74.	151.	164.	6300.	1.6
				026532	28.00	30.00	2.00	35.	127.	124.	5200.	2.0
				026533	30.00	32.00	2.00	18.	97.	88.	4000.	2.5
				026534	32.00	34.00	2.00	17.	41.	58.	4400.	1.7

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-197
Grid System : ORIGINAL
Collar Eastings : 19706.730
Collar Northings : 20043.430
Collar Elevations : 842.370
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 34.00
Claim No. :

Logged By : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BQ

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00	2					2	3		
4.00	6.00									
6.00	8.00									
8.00	10.00	3								
10.00	12.00	3								
12.00	14.00	3								
14.00	16.00	3								
16.00	18.00						TR	3		
18.00	20.00						TR	3		
20.00	22.00							1	1	
22.00	24.00							1	1	
24.00	26.00							1	1	
26.00	28.00							1	1	
28.00	30.00							1	1	
30.00	32.00							1	1	
32.00	34.00							1	1	

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Sa %	Veins %	Bds	Struc	Color	Sulph %	Quartz %	Clr	Code

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-198
Grid System : ORIGINAL
Collar Eastings : 19705.150
Collar Northings : 20020.110
Collar Elevations : 835.430
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 34.00
Claim No. :

Logged By : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	16.00	ARG	Dark black argillite.	026535	2.00	4.00	2.00	440.	88.	96.	2300.	1.6
				026536	4.00	6.00	2.00	1920.	1012.	42.	2800.	2.5
6.00	10.00		Clay rich, few chips - fault?	026537	6.00	8.00	2.00	710.	889.	42.	1800.	0.6
				026538	8.00	10.00	2.00	320.	186.	46.	4700.	1.2
10.00	12.00		30% Quartz rich limonitic intrusive.	026539	10.00	12.00	2.00	3360.	3615.	446.	4300.	1.7
				026540	12.00	14.00	2.00	820.	401.	348.	3200.	0.9
14.00	16.00		30% Quartz rich limonitic intrusive.	026541	14.00	16.00	2.00	2830.	1311.	6081.	4200.	2.2
16.00	28.00	INT	Quartz rich limonitic intrusive.									
16.00	18.00		Weakly limonitic quartz feldspar porphyry.	026542	16.00	18.00	2.00	9860.	5581.	15187.	5600.	7.3
18.00	22.00		Moderate to strong quartz stockwork veining. 10% Rusty quartz.	026543	18.00	20.00	2.00	6150.	6352.	3562.	2800.	1.9
				026544	20.00	22.00	2.00	8780.	6285.	1429.	3200.	2.1
22.00	24.00		Moderate quartz stockwork with 10% argillite.	026545	22.00	24.00	2.00	6980.	3979.	7757.	3600.	5.5
24.00	26.00		Minor quartz stockwork with 10% argillite.	026546	24.00	26.00	2.00	2930.	3159.	3334.	1300.	2.7
				026547	26.00	28.00	2.00	210.	424.	284.	350.	0.4
28.00	30.00	ARG	Dark black argillite with 20% limonitic intrusive.	026548	28.00	30.00	2.00	290.	294.	296.	330.	1.1
30.00	34.00	INT	Weakly limonitic intrusive with 50% argillite.	026549	30.00	32.00	2.00	160.	117.	135.	620.	0.7
				026550	32.00	34.00	2.00	78.	153.	140.	1200.	1.4

KORANA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-198
Grid System : ORIGINAL
Collar Eastings : 19705.150
Collar Northings : 20020.110
Collar Elevations : 835.430
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 34.00
Claim No. :

Logged By : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00									
4.00	6.00									
6.00	8.00	3						TR		
8.00	10.00	3							2	
10.00	12.00									
12.00	14.00									
14.00	16.00									
16.00	18.00	3					3			
18.00	20.00	3					3	3	3	
20.00	22.00	3					3	3	3	
22.00	24.00	3					3	3	2	
24.00	26.00	2					2	3	1	
26.00	28.00	1.5					1.5			
28.00	30.00					3				
30.00	32.00					3				
32.00	34.00					3				

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	CirCode

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-199
Grid System : ORIGINAL
Collar Eastings : 19706.040
Collar Northings : 19996.010
Collar Elevations : 829.950
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged By : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	6.00	ARG	Dark black argillite.	026551	2.00	4.00	2.00	630.	418.	466.	2000.	1.9
				026552	4.00	6.00	2.00	98.	317.	116.	1600.	0.6
6.00	22.00	INT	Quartz rich limonitic intrusive.									
6.00	10.00		40% Argillite.	026553	6.00	8.00	2.00	480.	1036.	156.	2500.	0.3
				026554	8.00	10.00	2.00	280.	1427.	96.	2100.	0.2
				026555	10.00	12.00	2.00	130.	1036.	104.	900.	0.1
12.00	20.00		Moderate quartz stockwork with 5-10% rusty quartz.	026556	12.00	14.00	2.00	290.	1864.	247.	1500.	0.2
				026557	14.00	16.00	2.00	240.	2134.	429.	2600.	0.4
				026558	16.00	18.00	2.00	140.	1164.	434.	3600.	0.9
				026559	18.00	20.00	2.00	440.	1897.	463.	2100.	0.5
20.00	22.00		Moderate to strong quartz stockwork. 30% Argillite.	026560	20.00	22.00	2.00	540.	716.	536.	3700.	0.9
22.00	26.00	ARG	Dark black graphitic argillite.	026561	22.00	24.00	2.00	1260.	514.	1599.	3600.	1.5
				026562	24.00	26.00	2.00	140.	433.	1879.	6400.	2.7
26.00	30.00	INT	Weakly limonitic intrusive. Weakly altered.	026563	26.00	28.00	2.00	49.	273.	521.	2000.	0.7
				026564	28.00	30.00	2.00	34.	123.	248.	630.	0.1

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-199
Grid System : ORIGINAL
Collar Eastings : 19706.040
Collar Northings : 19996.010
Collar Elevations : 829.950
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGET SUN
Core Size : RC

FROM	TO	Arg	Sil	Serc	GEOCHEMICAL SAMPLES Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00									
4.00	6.00									
6.00	8.00	2					2			
8.00	10.00	2					2	2		
10.00	12.00	3					2	2		
12.00	14.00	3				2	3	3	2	
14.00	16.00	3					3	4	2	
16.00	18.00	3					3	3	2	
18.00	20.00	3				3	3	3	2	
20.00	22.00	3					3	3	3	
22.00	24.00									
24.00	26.00									
26.00	28.00	1.5				2	1.5			
28.00	30.00	1.5				2	1.5			

FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

GEOTECHNICAL SAMPLES

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-200
Grid System : ORIGINAL
Collar Eastings : 19702.370
Collar Northings : 19976.460
Collar Elevations : 824.800
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged By : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	4.00	ARG	Dark black argillite. 30% Limonitic intrusive.	026566	2.00	4.00	2.00	350.	821.	761.	2500.	0.9
4.00	8.00	INT	Quartz rich limonitic intrusive.	026567	4.00	6.00	2.00	370.	1152.	356.	2700.	0.6
				026568	6.00	8.00	2.00	540.	1615.	199.	3400.	0.9
8.00	10.00	ARG	Dark black argillite. White quartz veining. 10% Limonitic intrusive.	026569	8.00	10.00	2.00	300.	765.	259.	4900.	1.0
10.00	14.00	INT	Quartz rich limonitic intrusive with moderate quartz stockwork veining.	026570	10.00	12.00	2.00	380.	1516.	545.	4000.	0.8
				026571	12.00	14.00	2.00	520.	2198.	6313.	4200.	0.9
14.00	20.00	ARG	Dark black clay rich argillite (graphitic) with very few chips. Fault?	026572	14.00	16.00	2.00	410.	1329.	897.	2800.	0.7
				026573	16.00	18.00	2.00	3620.	1929.	9543.	3700.	1.7
				026574	18.00	20.00	2.00	720.	767.	1347.	5400.	1.1
20.00	24.00	INT	Quartz rich limonitic intrusive with 50% black argillite and strong quartz stockwork.	026575	20.00	22.00	2.00	3310.	2800.	7135.	3600.	2.4
				026576	22.00	24.00	2.00	7970.	4019.	8637.	7300.	6.1
24.00	26.00	ARG	Dark black argillite.	026577	24.00	26.00	2.00	1120.	1603.	1500.	6400.	3.4
26.00	30.00	INT	Weakly limonitic, weakly altered intrusive.	026578	26.00	28.00	2.00	90.	311.	257.	1700.	1.2
				026579	28.00	30.00	2.00	160.	236.	294.	920.	0.7

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-200
Grid System : ORIGINAL
Collar Eastings : 19702.370
Collar Northings : 19976.460
Collar Elevations : 824.800
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged By : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00																					
4.00	6.00	2.5					2	1	1													
6.00	8.00	2.5					2.5	3	1													
8.00	10.00																					
10.00	12.00	3					3	3	2													
12.00	14.00	3					3	3	2													
14.00	16.00	3																				
16.00	18.00	3																				
18.00	20.00	3																				
20.00	22.00	3					3		3													
22.00	24.00	3					3		3													
24.00	26.00																					
26.00	28.00	1.5			3		1.5	1														
28.00	30.00	1.5			3		1.5	1														

BONANZA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-201
Grid System : ORIGINAL
Collar Eastings : 19704.900
Collar Northings : 19947.700
Collar Elevations : 817.390
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 34.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	6.00	INT	Quartz rich limonitic intrusive.	026580	2.00	4.00	2.00	700.	1336.	406.	2000.	0.8
				026581	4.00	6.00	2.00	870.	1727.	803.	2800.	0.9
6.00	10.00	ARG	Argillite.									
6.00	8.00		20% Limonitic intrusive.	026582	6.00	8.00	2.00	410.	1422.	495.	2300.	0.7
8.00	10.00		Poor recovery; fault?	026583	8.00	10.00	2.00	140.	1616.	206.	2400.	0.5
10.00	30.00	INT	Quartz rich limonitic intrusive.									
10.00	18.00		Moderate quartz stockwork. Very limonitic.	026584	10.00	12.00	2.00	2520.	5294.	3064.	3600.	2.3
				026585	12.00	14.00	2.00	1820.	2587.	8457.	3900.	1.4
				026586	14.00	16.00	2.00	1760.	4116.	9844.	2800.	1.1
				026587	16.00	18.00	2.00	2160.	2710.	3610.	5800.	1.5
18.00	20.00		Intense quartz stockwork. 90% quartz. Trace of pyrite.	026588	18.00	20.00	2.00	2010.	1828.	3343.	3000.	1.4
20.00	22.00		Minor quartz stockwork. 20% Argillite.	026589	20.00	22.00	2.00	600.	1277.	1953.	4100.	1.6
22.00	30.00		Weakly limonitic intrusive. Weak argillic alteration.	026590	22.00	24.00	2.00	68.	466.	561.	1100.	0.5
				026591	24.00	26.00	2.00	60.	374.	473.	1200.	0.4
				026592	26.00	28.00	2.00	50.	360.	351.	1400.	0.5
				026593	28.00	30.00	2.00	40.	191.	185.	1100.	0.5
30.00	34.00	QFP	Light grey to white quartz feldspar porphyry. 30% Limonitic intrusive. Trace of pyrite.	026594	30.00	32.00	2.00	26.	78.	85.	700.	0.4
				026595	32.00	34.00	2.00	31.	57.	65.	1100.	0.4

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-201
Grid System : ORIGINAL
Collar Eastings : 19704.900
Collar Northings : 19947.700
Collar Elevations : 817.390
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 34.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2.5				2	2	1														
4.00	6.00	2.5				2	2	1														
6.00	8.00																					
8.00	10.00																					
10.00	12.00	3				3	3	2														
12.00	14.00	3				3	3	2														
14.00	16.00	3				3	3	2														
16.00	18.00	3				3	3	2														
18.00	20.00	3.5			1	4	1	4		TR												
20.00	22.00	2.5			2	2	2	1														
22.00	24.00	1.5			2	1	2															
24.00	26.00	1.5			2	1	1															
26.00	28.00	1.5			2	1	1															
28.00	30.00	1.5			2	1	1															
30.00	32.00	1.5			3	1	TR			TR												
32.00	34.00	1.5			3	1	TR			TR												

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREMERY CREEK
HOLE No. : BCRC 90-202
Grid System : ORIGINAL
Collar Eastings : 19704.200
Collar Northings : 19922.760
Collar Elevations : 810.490
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	6.00	INT	Quartz rich limonitic intrusive. 20% Argillite.	026596	2.00	4.00	2.00	1100.	1764.	1292.	2600.	0.9
4.00	6.00		Poor recovery. Moderate quartz stockwork.	026597	4.00	6.00	2.00	2520.	3462.	6140.	1900.	2.0
6.00	12.00	ARG	Argillite.									
6.00	8.00		30% Quartz rich limonitic intrusive with moderate quartz stockwork.	026598	6.00	8.00	2.00	1720.	2435.	5107.	3800.	1.5
				026599	8.00	10.00	2.00	920.	1396.	1035.	4000.	0.7
10.00	12.00		Clay rich. Possible fault.	026600	10.00	12.00	2.00	480.	1280.	429.	2500.	0.5
12.00	20.00	INT	Quartz rich limonitic intrusive. Very limonitic with moderate quartz stockwork.	026601	12.00	14.00	2.00	2200.	3558.	3792.	5600.	1.0
				026602	14.00	16.00	2.00	870.	2316.	753.	3300.	0.4
				026603	16.00	18.00	2.00	2740.	3758.	2356.	3200.	1.7
18.00	20.00		20% Black argillite.	026604	18.00	20.00	2.00	2120.	1947.	10137.	2100.	2.3
20.00	26.00	ARG	Dark black argillite.	026605	20.00	22.00	2.00	210.	526.	1637.	3100.	2.1
				026606	22.00	24.00	2.00	19.	1116.	1136.	4400.	2.7
				026607	24.00	26.00	2.00	85.	868.	862.	3200.	3.7
26.00	40.00	QFP	Weakly limonitic, light brown quartz feldspar porphyry. Feldspar phenocrysts are weak to moderately altered.									
26.00	28.00		10% Argillite.	026608	26.00	28.00	2.00	41.	562.	550.	1600.	1.9
				026609	28.00	30.00	2.00	34.	214.	116.	580.	0.2
				026610	30.00	32.00	2.00	38.	265.	161.	480.	0.1
				026611	32.00	34.00	2.00	23.	151.	116.	430.	0.1
				026612	34.00	36.00	2.00	11.	127.	96.	580.	0.1
				026613	36.00	38.00	2.00	2.	97.	51.	560.	0.3
				026614	38.00	40.00	2.00	8.	111.	65.	600.	0.2

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-202
Grid System : ORIGINAL
Collar Eastings : 19704.200
Collar Northings : 19922.760
Collar Elevations : 810.490
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

PAGE : 1

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	3			1	2		3														
4.00	6.00	3			1	2		3														
6.00	8.00																					
8.00	10.00																					
10.00	12.00																					
12.00	14.00	3				3	3	2														
14.00	16.00	3				3	4	2														
16.00	18.00	3				3	4	2														
18.00	20.00	3				3	3	2	TR													
20.00	22.00																					
22.00	24.00																					
24.00	26.00																					
26.00	28.00	1.5			3	1	1															
28.00	30.00	1.5			3	1	1															
30.00	32.00	1.5			3	1	1															
32.00	34.00	1.5			3	1	1															
34.00	36.00	1.5			3	1	1															
36.00	38.00	1.5			3	1	1															
38.00	40.00	1.5			3	1	1															

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-203
Grid System : ORIGINAL
Collar Eastings : 19703.820
Collar Northings : 19896.590
Collar Elevations : 804.650
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

PAGE : 1

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	20.00	INT	Quartz rich limonitic intrusive. Very limonitic with moderate quartz stockwork.									
2.00	6.00		30% Argillite.	026615	2.00	4.00	2.00	1430.	3176.	2281.	2300.	0.9
				026616	4.00	6.00	2.00	1760.	2839.	2396.	2200.	1.1
				026617	6.00	8.00	2.00	1510.	1873.	3414.	2300.	1.1
				026618	8.00	10.00	2.00	3880.	2302.	17770.	4300.	8.0
				026619	10.00	12.00	2.00	1280.	1625.	6741.	2000.	1.2
				026620	12.00	14.00	2.00	3220.	4110.	1181.	2500.	1.8
				026621	14.00	16.00	2.00	3060.	4408.	1601.	2700.	1.5
16.00	20.00		Strong quartz stockwork. 80% Rusty quartz.	026622	16.00	18.00	2.00	1470.	3322.	4263.	3100.	1.1
				026623	18.00	20.00	2.00	1560.	3576.	2913.	1800.	1.4
20.00	30.00	ARG	Dark black argillite.									
20.00	22.00		20% Limonitic intrusive.	026624	20.00	22.00	2.00	850.	994.	18417.	4800.	3.8
				026625	22.00	24.00	2.00	190.	741.	4356.	7600.	3.0
24.00	26.00		30% Limonitic intrusive.	026626	24.00	26.00	2.00	180.	705.	1187.	6800.	1.7
26.00	30.00		5% Limonitic intrusive.	026627	26.00	28.00	2.00	98.	551.	284.	3800.	1.6
				026628	28.00	30.00	2.00	91.	283.	426.	4000.	1.8
30.00	50.00	INT	Light grey to brown weakly limonitic intrusive. Trace to 1% pyrite.	026629	30.00	32.00	2.00	26.	230.	200.	6200.	2.0
				026630	32.00	34.00	2.00	25.	178.	121.	1100.	0.9
				026631	34.00	36.00	2.00	32.	132.	134.	1400.	0.2
				026632	36.00	38.00	2.00	42.	96.	118.	600.	0.1
				026633	38.00	40.00	2.00	48.	71.	100.	460.	0.1
				026634	40.00	42.00	2.00	40.	66.	114.	780.	0.1
				026635	42.00	44.00	2.00	39.	68.	113.	450.	0.3
				026636	44.00	46.00	2.00	40.	127.	94.	620.	0.1
				026637	46.00	48.00	2.00	150.	274.	526.	720.	0.2
				026638	48.00	50.00	2.00	37.	125.	75.	480.	0.2

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMERY CREEK
HOLE No. : BCRC 90-203
Grid System : ORIGINAL
Collar Eastings : 19703.820
Collar Northings : 19896.590
Collar Elevations : 804.650
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	3			1	3	3	2														
4.00	6.00	3			1	3	3	2														
6.00	8.00	3			1	3	3	2														
8.00	10.00	3			1	3	3	2														
10.00	12.00	3			3	3	3	2														
12.00	14.00	3			3	3	3	2														
14.00	16.00	3			2	3	3	2														
16.00	18.00	3			2	3.5	3	3														
18.00	20.00	3			1	3.5	3	3														
20.00	22.00																					
22.00	24.00																					
24.00	26.00				2		2															
26.00	28.00				2		2															
28.00	30.00				2																	
30.00	32.00	1.5			2	1	TR			TR												
32.00	34.00	1.5			2	1	TR			TR												
34.00	36.00	1.5			2	1	TR			TR												
36.00	38.00	1.5			2	1	TR			TR												
38.00	40.00	1.5			2	1	TR			TR												
40.00	42.00	1.5			2	1	TR			TR												
42.00	44.00	1.5			2	1	TR			TR												
44.00	46.00	1.5			2	1	TR			TR												
46.00	48.00	1.5			2	1	TR			TR												
48.00	50.00	1.5			2	1	TR			TR												

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-204
Grid System : ORIGINAL
Collar Eastings : 19701.690
Collar Northings : 19875.100
Collar Elevations : 798.480
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	22.00	INT	Quartz rich limonitic intrusive.									
2.00	4.00		10% Argillite with moderate quartz stock-work.	026639	2.00	4.00	2.00	320.	1444.	319.	2600.	0.5
				026640	4.00	6.00	2.00	760.	1653.	1447.	2500.	0.4
6.00	10.00		Very limonitic. Moderate to strong quartz stockwork.	026641	6.00	8.00	2.00	2120.	3238.	1936.	1800.	0.7
				026642	8.00	10.00	2.00	9040.	4447.	2055.	2200.	1.9
				026643	10.00	12.00	2.00	2460.	2222.	1540.	2300.	0.9
12.00	16.00		Moderate to strong quartz stockwork.	026644	12.00	14.00	2.00	3140.	2608.	3437.	1900.	1.8
			Very limonitic.	026645	14.00	16.00	2.00	1790.	2795.	2037.	2800.	0.7
				026646	16.00	18.00	2.00	1560.	2093.	10404.	3200.	1.8
18.00	20.00		Moderate to strong quartz stockwork.	026647	18.00	20.00	2.00	2340.	1838.	13998.	2400.	1.9
20.00	22.00		20% Black argillite.	026648	20.00	22.00	2.00	850.	1012.	2270.	4500.	2.2
22.00	36.00	ARG	Dark black argillite.									
22.00	24.00		10% Limonitic intrusive.	026649	22.00	24.00	2.00	310.	466.	1033.	6500.	2.6
				026650	24.00	26.00	2.00	130.	206.	287.	6100.	2.0
26.00	28.00		20% Limonitic intrusive.	026651	26.00	28.00	2.00	2120.	1419.	217.	4200.	1.7
28.00	32.00		Moderate white quartz stockwork veining.	026652	28.00	30.00	2.00	450.	498.	370.	8100.	2.4
				026653	30.00	32.00	2.00	100.	258.	210.	3800.	1.7
32.00	34.00		Minor white quartz stockwork. 20% limonitic intrusive.	026654	32.00	34.00	2.00	85.	41.	14.	2500.	0.1
34.00	36.00		40% Light grey quartz feldspar porphyry. Trace amounts of pyrite.	026655	34.00	36.00	2.00	70.	133.	106.	1700.	1.5
36.00	48.00	QFP	Light grey to brown quartz feldspar	026656	36.00	38.00	2.00	69.	81.	71.	1100.	0.1
			porphyry. Weakly limonitic. Trace of pyrite.	026657	38.00	40.00	2.00	78.	113.	81.	1300.	0.1
40.00	44.00		10% Argillite.	026658	40.00	42.00	2.00	47.	72.	54.	2000.	0.2
				026659	42.00	44.00	2.00	60.	76.	80.	1900.	0.2
				026660	44.00	46.00	2.00	40.	58.	59.	1300.	0.1
				026661	46.00	48.00	2.00	48.	61.	68.	1100.	0.1
48.00	50.00	ARG	Dark black argillite. 20% Light grey quartz feldspar porphyry.	026662	48.00	50.00	2.00	25.	70.	61.	1700.	1.3

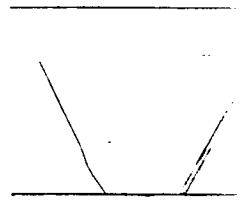
MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-204
Grid System : ORIGINAL
Collar Eastings : 19701.690
Collar Northings : 19875.100
Collar Elevations : 798.400
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	3					2.5	3	2													
4.00	6.00	3					2.5	3	2													
6.00	8.00	3			1		3	4	3													
8.00	10.00	3			3		3	4	3													
10.00	12.00	3			3		2.5	3	2													
12.00	14.00	3			2		3	4	3													
14.00	16.00	3			2		3	4	3													
16.00	18.00	3			2		2.5	3	2													
18.00	20.00	3			2		3	3	3													
20.00	22.00							1	1													
22.00	24.00																					
24.00	26.00																					
26.00	28.00																					
28.00	30.00								3													
30.00	32.00								3													
32.00	34.00								2	TR												
34.00	36.00	2					1	TR		TR												
36.00	38.00	2					1	TR		TR												
38.00	40.00	2					1	TR		TR												
40.00	42.00	2					1	TR		TR												
42.00	44.00	2					1	TR		TR												
44.00	46.00	2					1	TR		TR												
46.00	48.00	2					1	TR		TR												
48.00	50.00									TR												



NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-205
Grid System : ORIGINAL
Collar Eastings : 19695.950
Collar Northings : 19850.400
Collar Elevations : 791.420
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	16.00	INT	Quartz rich limonitic intrusive. Minor quartz stockwork and rusty quartz.									
2.00	6.00		20% Argillite.	026663	2.00	4.00	2.00	200.	1648.	149.	2400.	0.5
				026664	4.00	6.00	2.00	600.	1525.	127.	2000.	0.3
				026665	6.00	8.00	2.00	91.	994.	197.	1600.	0.1
8.00	14.00		Minor remnant bleached biotite.	026666	8.00	10.00	2.00	1280.	1458.	270.	2200.	0.2
				026667	10.00	12.00	2.00	2160.	1973.	299.	2400.	0.4
				026668	12.00	14.00	2.00	1470.	1947.	1306.	4400.	0.9
				026669	14.00	16.00	2.00	730.	1617.	1091.	2300.	0.6
16.00	18.00	ARG	Black argillite. 30% Limonitic intrusive.	026670	16.00	18.00	2.00	220.	1007.	1009.	3800.	1.4
18.00	24.00	INT	Quartz rich limonitic intrusive with moderate-strong quartz stockwork and rusty quartz. Contains trace amounts of pyrite.	026671	18.00	20.00	2.00	1140.	1709.	949.	3200.	1.0
				026672	20.00	22.00	2.00	2450.	1751.	3234.	2500.	1.8
				026673	22.00	24.00	2.00	2480.	1557.	7729.	2300.	2.2
24.00	34.00	ARG	Black argillite.	026674	24.00	26.00	2.00	880.	767.	1535.	6500.	2.8
				026675	26.00	28.00	2.00	120.	225.	375.	8600.	2.5
28.00	34.00		Moderate quartz stockwork veining.	026676	28.00	30.00	2.00	18.	234.	307.	13000.	4.4
				026677	30.00	32.00	2.00	12.	114.	161.	7000.	3.5
				026678	32.00	34.00	2.00	58.	178.	129.	6800.	3.6
34.00	50.00	QFP	Light grey to brown weakly limonitic quartz feldspar porphyry with 1% pyrite.									
34.00	40.00		10% Argillite.	026679	34.00	36.00	2.00	56.	101.	68.	3100.	1.0
				026680	36.00	38.00	2.00	17.	89.	68.	1600.	0.2
				026681	38.00	40.00	2.00	30.	67.	77.	1100.	0.4
				026682	40.00	42.00	2.00	34.	74.	46.	780.	0.2
42.00	48.00		5-10% Argillite.	026683	42.00	44.00	2.00	56.	121.	145.	980.	0.4
				026684	44.00	46.00	2.00	26.	56.	71.	1050.	0.2
				026685	46.00	48.00	2.00	47.	67.	112.	1200.	0.5
				026686	48.00	50.00	2.00	41.	34.	66.	200.	0.1

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREMNER CREEK
HOLE No. : BCRC 90-205
Grid System : ORIGINAL
Collar Eastings : 19695.950
Collar Northings : 19850.400
Collar Elevations : 791.420
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

FROM	TO	Arg	Sil	Serc	GEOCHEMICAL SAMPLES Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00	2.5				2	1	1		
4.00	6.00	2.5				2	3	1		
6.00	8.00	2.5			2	2	3	1		
8.00	10.00	2.5			2	2	2	1		
10.00	12.00	2.5			2	2	2	1		
12.00	14.00	2.5			2	2	2	1		
14.00	16.00	2.5			2	2	3	1		
16.00	18.00						1			
18.00	20.00	3			2	3	2	2.5		
20.00	22.00	3			2	3	2	2.5		
22.00	24.00	3			1	3	2	2.5		
24.00	26.00				1					
26.00	28.00				1					
28.00	30.00				1			2		
30.00	32.00				1			2		
32.00	34.00				1			2		
34.00	36.00	1.5			1	1.5	TR		1	
36.00	38.00	1.5			1	1.5	TR		1	
38.00	40.00	1.5			1	1.5	TR		1	
40.00	42.00	1.5			1	1.5	TR		1	
42.00	44.00	1.5			1	1.5	TR		1	
44.00	46.00	1.5			1	1.5	TR		1	
46.00	48.00	1.5			1	1.5	TR		1	
48.00	50.00	1.5			1	1.5	TR		1	

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-206
Grid System : ORIGINAL
Collar Eastings : 19773.640
Collar Northings : 20015.520
Collar Elevations : 843.070
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	6.00	ARG	Black argillite. 10% Limonitic intrusive.	026687	2.00	4.00	2.00	9.	63.	35.	1300.	2.7
				026688	4.00	6.00	2.00	13.	68.	29.	2500.	3.1
6.00	14.00	INT	Quartz rich limonitic intrusive with moderate quartz stockwork.	026689	6.00	8.00	2.00	3.	80.	27.	1500.	1.3
				026690	8.00	10.00	2.00	12.	68.	25.	1300.	0.5
				026691	10.00	12.00	2.00	14.	80.	22.	1700.	0.6
				026692	12.00	14.00	2.00	3.	68.	18.	1200.	0.5
14.00	16.00	ARG	Black argillite with 10% limonitic intrusive.	026693	14.00	16.00	2.00	3.	61.	23.	2600.	2.4
16.00	18.00	INT	Quartz rich limonitic intrusive.	026694	16.00	18.00	2.00	9.	118.	25.	2300.	1.0
18.00	20.00	ARG	Black argillite with 20% limonitic intrusive.	026695	18.00	20.00	2.00	33.	198.	23.	1300.	0.5
20.00	52.00	INT	Quartz rich limonitic intrusive.									
20.00	24.00		More limonitic with minor quartz stockwork.	026696	20.00	22.00	2.00	3.	139.	27.	1200.	0.4
				026697	22.00	24.00	2.00	4.	112.	26.	1500.	0.3
				026698	24.00	26.00	2.00	1.	31.	18.	650.	0.2
26.00	30.00		15% Light grey quartz feldspar porphyry with a trace of pyrite.	026699	26.00	28.00	2.00	1.	30.	16.	630.	0.1
				026700	28.00	30.00	2.00	3.	38.	32.	1200.	0.3
30.00	32.00		More limonitic.	026701	30.00	32.00	2.00	2.	35.	22.	1300.	0.1
32.00	36.00		10% Light grey quartz feldspar porphyry with a trace of pyrite.	026702	32.00	34.00	2.00	1.	21.	19.	820.	0.2
				026703	34.00	36.00	2.00	3.	76.	17.	1600.	0.2
				026704	36.00	38.00	2.00	3.	43.	16.	1100.	0.4
				026705	38.00	40.00	2.00	36.	38.	17.	900.	0.4
40.00	42.00		Minor quartz stockwork. 10% Argillite.	026706	40.00	42.00	2.00	6.	38.	16.	820.	0.6
42.00	44.00		30% Argillite.	026707	42.00	44.00	2.00	13.	92.	24.	1100.	2.7
44.00	50.00		5-10% Light grey pyritic quartz feldspar porphyry. Minor quartz stockwork.	026708	44.00	46.00	2.00	3.	102.	54.	930.	0.4
				026709	46.00	48.00	2.00	12.	268.	32.	1200.	0.6
				026710	48.00	50.00	2.00	2.	75.	23.	1100.	0.5
50.00	52.00		Minor quartz stockwork. 10% Argillite.	026711	50.00	52.00	2.00	4.	101.	30.	1600.	0.7

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-206

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			5% Light grey quartz feldspar porphyry.									

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-206
Grid System : ORIGINAL
Collar Eastings : 19773.640
Collar Northings : 20015.520
Collar Elevations : 843.070
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00																					
4.00	6.00																					
6.00	8.00	2.5					2	3	2													
8.00	10.00	2.5					2	3	2													
10.00	12.00	2.5					2	3	2													
12.00	14.00	2.5					2	3	2													
14.00	16.00																					
16.00	18.00	2.5					2	2														
18.00	20.00							3	1	1												
20.00	22.00	2.5					2.5	3	1	1												
22.00	24.00	2.5					2.5	3		1												
24.00	26.00	2					2	2		1												
26.00	28.00	2			1		2	2		1												
28.00	30.00	2			1		2	3.5		1												
30.00	32.00	2			2		2	2		1												
32.00	34.00	2			2		2	2		1												
34.00	36.00	2			2		2	2		1												
36.00	38.00	1.5			2		2	2		1												
38.00	40.00	1.5			2		2	2		1												
40.00	42.00	2			2		2.5	2	1	1												
42.00	44.00	2			2			2	1	1												
44.00	46.00	2			2		2.5	2	1	1												
46.00	48.00	2			3		2.5	2		1												
48.00	50.00	2			3		2.5	2		1												
50.00	52.00	2			3		2.5	2	1	1												

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREMNER CREEK
HOLE No. : BCRC 90-207
Grid System : ORIGINAL
Collar Eastings : 19822.190
Collar Northings : 19982.480
Collar Elevations : 846.310
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 60.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	60.00	INT	Quartz rich limonitic intrusive.	026712	2.00	4.00	2.00	210.	387.	443.	2400.	0.7
				026713	4.00	6.00	2.00	66.	182.	142.	2800.	0.5
				026714	6.00	8.00	2.00	14.	126.	85.	1800.	0.4
				026715	8.00	10.00	2.00	6.	91.	26.	1600.	0.2
				026716	10.00	12.00	2.00	5.	41.	20.	1100.	0.2
				026717	12.00	14.00	2.00	12.	104.	20.	1300.	0.2
				026718	14.00	16.00	2.00	11.	79.	22.	1800.	0.3
16.00	20.00		Minor quartz stockwork. 10% Clear quartz.	026719	16.00	18.00	2.00	11.	54.	24.	2100.	0.1
				026720	18.00	20.00	2.00	12.	79.	18.	1600.	0.3
				026721	20.00	22.00	2.00	6.	43.	16.	920.	0.2
				026722	22.00	24.00	2.00	3.	41.	21.	600.	0.1
				026723	24.00	26.00	2.00	9.	124.	23.	680.	0.1
26.00	32.00		Moderate quartz stockwork; more limonitic.	026724	26.00	28.00	2.00	21.	149.	25.	700.	0.2
				026725	28.00	30.00	2.00	12.	101.	33.	1050.	0.3
				026726	30.00	32.00	2.00	17.	84.	30.	950.	0.1
32.00	34.00		5% Argillite, 5% quartz feldspar porphyry. Minor quartz stockwork.	026727	32.00	34.00	2.00	7.	67.	24.	850.	0.3
				026728	34.00	36.00	2.00	12.	98.	34.	910.	0.3
36.00	42.00		Very limonitic. Minor quartz stockwork.	026729	36.00	38.00	2.00	15.	129.	43.	1300.	0.3
				026730	38.00	40.00	2.00	9.	119.	38.	760.	0.2
				026731	40.00	42.00	2.00	8.	127.	43.	600.	0.2
42.00	46.00		15% Light grey pyritic quartz feldspar porphyry. Minor quartz stockwork.	026732	42.00	44.00	2.00	4.	125.	27.	900.	0.2
				026733	44.00	46.00	2.00	11.	95.	36.	780.	0.3
46.00	48.00		Very limonitic.	026734	46.00	48.00	2.00	20.	129.	76.	700.	0.2
48.00	60.00		5% Argillite; 5% light grey quartz feldspar porphyry. Minor quartz stockwork.	026735	48.00	50.00	2.00	9.	109.	29.	730.	0.2
				026736	50.00	52.00	2.00	3.	158.	33.	1500.	0.2
				026737	52.00	54.00	2.00	13.	311.	62.	1300.	0.3
				026738	54.00	56.00	2.00	4.	398.	35.	1200.	0.2
				026739	56.00	58.00	2.00	18.	168.	33.	1050.	0.3
				026740	58.00	60.00	2.00	36.	475.	33.	650.	0.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-207
Grid System : ORIGINAL
Collar Eastings : 19822.190
Collar Northings : 19982.480
Collar Elevations : 846.310
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 60.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES												GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %		FROM	TO	Recovery %	Lim %	Breakage	Sr %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.00	4.00	2.5				2	3																	
4.00	6.00					2	3																	
6.00	8.00					2	3																	
8.00	10.00					2	3																	
10.00	12.00					2	3																	
12.00	14.00					2	3																	
14.00	16.00					2	3	1																
16.00	18.00					2	3	1																
18.00	20.00					2	3	1																
20.00	22.00					2	3																	
22.00	24.00					2	2																	
24.00	26.00				2	2	3																	
26.00	28.00					2	3	1																
28.00	30.00					2	3	1																
30.00	32.00					2	3	1																
32.00	34.00				2	2	3	1																
34.00	36.00				2	2	2			TR														
36.00	38.00	3			2	2	3.5	2		TR														
38.00	40.00	3			1	2.5	3	2		TR														
40.00	42.00	3			1	2.5	3	2		TR														
42.00	44.00	3			1	2.5	2	1		1														
44.00	46.00	3			2	2.5	3	1		1														
46.00	48.00	3			2	2.5	2	1		1														
48.00	50.00	3			2	2.5	2	1		1														
50.00	52.00	3			2	2.5	3	1		1														
52.00	54.00	3			2	2.5	1	1		1														
54.00	56.00	3			2	2.5	1	1		1														
56.00	58.00	3			2	2.5	2	1		1														
58.00	60.00	3			2	2.5	2	1		1														

MORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-208
Grid System : ORIGINAL
Collar Eastings : 19818.680
Collar Northings : 19953.630
Collar Elevations : 834.080
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 46.00
Claim No. :

Logged by : LENA K BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	4.00	ARG	Black argillite with white quartz stock-work. 5% Limonitic intrusive.	026741	2.00	4.00	2.00					
4.00	36.00	INT	Limonitic intrusive with clear quartz eyes and moderate-strong clay altered feldspar phenocrysts.									
4.00	6.00		Trace of black argillite.	026742	4.00	6.00	2.00					
				026743	6.00	8.00	2.00					
8.00	10.00		5% White quartz with disseminated pyrite.	026744	8.00	10.00	2.00					
10.00	12.00		Trace of black argillite.	026745	10.00	12.00	2.00					
				026746	12.00	14.00	2.00					
				026747	14.00	16.00	2.00					
				026748	16.00	18.00	2.00					
				026749	18.00	20.00	2.00					
20.00	22.00		White hematite stained quartz.	026750	20.00	22.00	2.00					
				026751	22.00	24.00	2.00					
				026752	24.00	26.00	2.00					
				026753	26.00	28.00	2.00					
				026754	28.00	30.00	2.00					
				026755	30.00	32.00	2.00					
				026756	32.00	34.00	2.00					
				026757	34.00	36.00	2.00					
36.00	46.00	QFP	Pyritic grey-green quartz feldspar porphyry. Oxidized.									
36.00	38.00		5% Black argillite.	026758	36.00	38.00	2.00					
				026759	38.00	40.00	2.00					
				026760	40.00	42.00	2.00					
42.00	44.00		20% Of chips lack oxidation.	026761	42.00	44.00	2.00					
44.00	46.00		5% Of chips lack oxidation.	026762	44.00	46.00	2.00					

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-208
Grid System : ORIGINAL
Collar Eastings : 19818.680
Collar Northings : 19953.630
Collar Elevations : 834.080
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 46.00
Claim No. :

Logged by : LENA K BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00																					
4.00	6.00	3					2	1														
6.00	8.00	3					2	1														
8.00	10.00	3					2	2	1	TR-1												
10.00	12.00	3				3	2	2														
12.00	14.00	3				3	2	3	TR	TR												
14.00	16.00	3				1	2	2	1													
16.00	18.00	3					2	2	TR													
18.00	20.00	3					2	2														
20.00	22.00	3					2	2	1													
22.00	24.00	3					2	2	1													
24.00	26.00	2.5				TR	2	3	1	TR												
26.00	28.00	2.5				TR	2	2		TR												
28.00	30.00	2.5				TR	1.5	1		TR												
30.00	32.00	2.5				1	1.5	2	1	TR												
32.00	34.00	2.5				1	1.5	2	1	TR												
34.00	36.00	2.5				1	1.5	2	1	TR												
36.00	38.00	2					1.5			1-2												
38.00	40.00	2					1.5			1-2												
40.00	42.00	2				TR	1.5	1		1-2												
42.00	44.00	2				1	1.5			1-2												
44.00	46.00	2				1	1.5	2		1-2												

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-209
Grid System : ORIGINAL
Collar Eastings : 19818.540
Collar Northings : 19929.620
Collar Elevations : 824.070
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 34.00
Claim No. :

Logged by : LENA K BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	8.00	ARG	50% Black argillite; 50% intrusive. Large chips - may be overburden.	026763	2.00	4.00	2.00	29.	206.	122.	6400.	1.3
				026764	4.00	6.00	2.00	10.	290.	64.	5600.	1.2
				026765	6.00	8.00	2.00	24.	177.	51.	4700.	1.4
8.00	34.00	INT	Limonitic quartz rich intrusive with quartz eyes.									
8.00	10.00		10% Black cherty argillite.	026766	8.00	10.00	2.00	63.	288.	60.	1500.	0.5
10.00	12.00		Clear white quartz present.	026767	10.00	12.00	2.00	43.	226.	66.	1300.	0.4
				026768	12.00	14.00	2.00	12.	70.	63.	500.	0.2
				026769	14.00	16.00	2.00	24.	49.	51.	460.	0.2
				026770	16.00	18.00	2.00	13.	60.	65.	480.	0.2
18.00	20.00		Trace of black argillite. Trace of pyrite.	026771	18.00	20.00	2.00	15.	33.	37.	520.	0.1
				026772	20.00	22.00	2.00	3.	62.	67.	380.	0.3
22.00	24.00		40% Unoxidized quartz feldspar porphyry.	026773	22.00	24.00	2.00	14.	27.	34.	640.	0.2
				026774	24.00	26.00	2.00	25.	70.	61.	540.	0.3
				026775	26.00	28.00	2.00	10.	44.	23.	660.	0.1
28.00	30.00		5% Unoxidized pyritic quartz feldspar porphyry. Red staining - Fe, As, Hg?	026776	28.00	30.00	2.00	13.	195.	33.	1300.	0.2
30.00	34.00		More red staining. Fe, As, Hg? - related chips are large and blocky - fault?	026777	30.00	32.00	2.00	6.	321.	32.	1100.	0.1
				026778	32.00	34.00	2.00	7.	289.	24.	1400.	0.2

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PAGE : 1

PROPERTY : BREMERY CREEK
HOLE No. : BCRC 90-209
Grid System : ORIGINAL
Collar Eastings : 19818.540
Collar Northings : 19929.620
Collar Elevations : 824.870
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 34.00
Claim No. :

Logged by : LENA M BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00									
4.00	6.00									
6.00	8.00							1		
8.00	10.00	2.5					2.5	3		
10.00	12.00	2.5					2.5	3		
12.00	14.00	2.5					2.5	2	TR	
14.00	16.00	2.5					2.5	2		
16.00	18.00	2.5			1	2		1		
18.00	20.00	2.5			2	1		1		TR
20.00	22.00	2.5			1	2		3	TR	TR
22.00	24.00	2.5			1	2		1		TR
24.00	26.00	2.5			2	2		2		TR
26.00	28.00	2.5			1	2		2		1
28.00	30.00							1		
30.00	32.00							1		
32.00	34.00							1		

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREMNER CREEK
HOLE No. : BCRC 90-210
Grid System : ORIGINAL
Collar Eastings : 22843.000
Collar Northings : 19897.600
Collar Elevations : 865.510
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 58.00
Claim No. :

Logged by : LENA K BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	22.00	OMT	Limonitic quartz rich intrusive.									
2.00	4.00		Red staining and red crystals - Hg or As?	026779	2.00	4.00	2.00	779.	682.	4207.	5800.	2.2
4.00	6.00		Stibnite with kermesite chips.	026780	4.00	6.00	2.00	884.	770.	7822.	4700.	1.5
6.00	8.00		Abundant red staining.	026781	6.00	8.00	2.00	3924.	2938.	1769.	3600.	2.6
8.00	12.00		Massive stibnite with kermesite chips.	026782	8.00	10.00	2.00	8579.	3541.	20705.	5200.	6.1
			Abundant red stained quartz chips; grey quartz; white quartz.	026783	10.00	12.00	2.00	7819.	4090.	19029.	5400.	3.8
12.00	14.00		Vuggy red stained quartz chips.	026784	12.00	14.00	2.00	532.	713.	1042.	4800.	0.6
14.00	16.00		Massive stibnite with kermesite chips.	026785	14.00	16.00	2.00	238.	2473.	1846.	31000.	8.6
				026786	16.00	18.00	2.00	1226.	1246.	1579.	3800.	2.0
18.00	22.00		20% Stibnite and pyrite in grey quartz.	026787	18.00	20.00	2.00	1083.	821.	1162.	2900.	1.3
				026788	20.00	22.00	2.00	599.	420.	817.	3400.	1.1
22.00	40.00	QFP	Light grey pyritic quartz feldspar porphyry.	026789	22.00	24.00	2.00	3506.	3663.	444.	10800.	1.8
				026790	24.00	26.00	2.00	3905.	4437.	193.	9300.	3.1
				026791	26.00	28.00	2.00	1093.	1365.	4343.	4600.	1.6
				026792	28.00	30.00	2.00	1511.	1808.	1044.	6400.	1.7
30.00	32.00		Abundant red staining.	026793	30.00	32.00	2.00	874.	1567.	224.	3800.	2.9
				026794	32.00	34.00	2.00	808.	2199.	67.	3900.	0.8
34.00	36.00		Abundant red staining.	026795	34.00	36.00	2.00	485.	1448.	102.	4700.	0.6
36.00	38.00		20% Black argillite with cubes of disseminated pyrite.	026796	36.00	38.00	2.00	190.	711.	53.	2700.	0.9
38.00	40.00		5% Black argillite with cubes of disseminated pyrite.	026797	38.00	40.00	2.00	580.	1146.	43.	1800.	1.1
40.00	46.00	ARG	Black pyritic argillite.									
40.00	42.00		10% Pyritic quartz feldspar porphyry.	026798	40.00	42.00	2.00	43.	226.	29.	1100.	0.6
				026799	42.00	44.00	2.00	24.	116.	49.	760.	0.5
44.00	46.00		5% Pyritic quartz feldspar porphyry.	026800	44.00	46.00	2.00	599.	641.	65.	2100.	1.1
46.00	54.00	QFP	Pyritic quartz feldspar porphyry. Light grey in colour.									
46.00	48.00		5% Black argillite.	026801	46.00	48.00	2.00	703.	1765.	63.	3400.	1.7

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-210

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				026802	48.00	50.00	2.00	83.	325.	58.	1500.	2.3
				026803	50.00	52.00	2.00	63.	177.	37.	2300.	1.0
				026804	52.00	54.00	2.00	65.	394.	62.	2500.	1.3
54.00	58.00	ARG	Black pyritic argillite.									
54.00	56.00		10% Grey quartz feldspar porphyry.	026805	54.00	56.00	2.00	390.	917.	66.	6100.	1.3
				026806	56.00	58.00	2.00	86.	813.	40.	1700.	1.2

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-210
Grid System : ORIGINAL
Collar Eastings : 22843.000
Collar Northings : 19897.600
Collar Elevations : 865.510
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 58.00
Claim No. :

Logged by : LENA K BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2					1.5		2													
4.00	6.00	2					1.5	2	2	TR-1												
6.00	8.00	2					1.5	3	2													
8.00	10.00	2					3	4	3	5												
10.00	12.00	2					3	3	3	10												
12.00	14.00	2				2	3	2	2	TR												
14.00	16.00	2				TR	3	2	3	2												
16.00	18.00	2				1	3	2	3	1												
18.00	20.00	2					3	2	3	2												
20.00	22.00	2					3	2	3	3												
22.00	24.00	2					3	1	3	3												
24.00	26.00	2				1	1.5	1	2	2												
26.00	28.00	2				1	1.5	1	2	2												
28.00	30.00	2				2	1.5	1	2	1-2												
30.00	32.00	2				2	1.5	1	2	1-2												
32.00	34.00	2				2	1.5	1	2	1-2												
34.00	36.00	2				2	1.5	1	2	1-2												
36.00	38.00	2				2	1.5	TR	1	1-2												
38.00	40.00	2				2	1.5		1	1-2												
40.00	42.00									1-2												
42.00	44.00									1-2												
44.00	46.00									1-2												
46.00	48.00	2				2	2			1-2												
48.00	50.00	2				2	2			1-2												
50.00	52.00	2				2	2			1-2												
52.00	54.00	2				2	2			1-2												
54.00	56.00																					

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-210

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzCirCode %
56.00	58.00																					

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-211
Grid System : ORIGINAL
Collar Eastings : 22839.000
Collar Northings : 19872.600
Collar Elevations : 869.180
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 76.00
Claim No. :

Logged by : LENA K BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	42.00	INT	Limonitic quartz rich intrusive.	026807	2.00	4.00	2.00	2831.	3228.	708.	4500.	1.3
4.00	6.00		Minor massive stibnite chips.	026808	4.00	6.00	2.00	1520.	3057.	229.	5700.	0.9
				026809	6.00	8.00	2.00	1720.	1138.	1600.	5100.	3.2
8.00	10.00		20% Incompetant grey mudstone.	026810	8.00	10.00	2.00	2214.	813.	3435.	4800.	3.6
10.00	12.00		30% Cherty argillite mixed with incompetant grey mudstone.	026811	10.00	12.00	2.00	2309.	1856.	436.	3300.	1.9
12.00	14.00		10% Unoxidized, light grey, pyritic quartz feldspar porphyry.	026812	12.00	14.00	2.00	1169.	1778.	278.	7400.	1.1
14.00	16.00		15% Unoxidized, light grey, pyritic quartz feldspar porphyry.	026813	14.00	16.00	2.00	2280.	2131.	917.	3800.	1.6
				026814	16.00	18.00	2.00	5311.	2624.	9654.	7900.	6.9
18.00	20.00		Red stained quartz: As or Hg?	026815	18.00	20.00	2.00	5007.	3010.	2591.	4800.	2.1
20.00	24.00		Chips of massive stibnite present.	026816	20.00	22.00	2.00	1843.	197.	29054.	5400.	6.9
				026817	22.00	24.00	2.00	1967.	3161.	2081.	12000.	2.2
				026818	24.00	26.00	2.00	1045.	1680.	5136.	6700.	1.1
26.00	28.00		Abundant red staining: As or Hg? Massive stibnite chips.	026819	26.00	28.00	2.00	770.	1137.	3938.	6200.	0.9
28.00	30.00		Massive stibnite and quartz chips.	026820	28.00	30.00	2.00	3696.	2650.	1934.	5700.	1.6
30.00	32.00		Minor stibnite.	026821	30.00	32.00	2.00	3183.	2122.	237.	8300.	1.1
				026822	32.00	34.00	2.00	2869.	2690.	674.	5400.	2.2
34.00	36.00		Minor stibnite.	026823	34.00	36.00	2.00	2176.	1846.	2425.	5100.	1.4
36.00	38.00		Trace of stibnite.	026824	36.00	38.00	2.00	2309.	1327.	890.	6500.	5.3
38.00	40.00		5% Unoxidized quartz feldspar porphyry.	026825	38.00	40.00	2.00	3126.	3272.	1037.	8800.	1.7
				026826	40.00	42.00	2.00	7230.	5596.	1598.	8100.	2.1
42.00	72.00	QPP	Pyritic quartz feldspar porphyry.	026827	42.00	44.00	2.00	1758.	1511.	165.	4800.	0.7
				026828	44.00	46.00	2.00	713.	525.	84.	6600.	0.4
				026829	46.00	48.00	2.00	190.	209.	64.	3800.	0.5
				026830	48.00	50.00	2.00	998.	697.	269.	8200.	4.6
				026831	50.00	52.00	2.00	2622.	862.	209.	4600.	2.5
				026832	52.00	54.00	2.00	428.	888.	83.	5400.	0.5
54.00	56.00		Trace of purple/red staining: As or Hg?	026833	54.00	56.00	2.00	285.	605.	97.	3200.	0.4
56.00	60.00		Poor recovery.	026834	56.00	58.00	2.00	551.	773.	268.	2300.	0.6
				026835	58.00	60.00	2.00	1030.	1282.	42.	1800.	0.9

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-211

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				026836	60.00	62.00	2.00	1010.	1556.	41.	2200.	0.9
				026837	62.00	64.00	2.00	1680.	1653.	34.	2300.	1.1
62.00	64.00		Some red staining: As or Hg?	026838	64.00	66.00	2.00	180.	242.	36.	1300.	0.4
				026839	66.00	68.00	2.00	86.	140.	41.	1200.	0.1
				026840	68.00	70.00	2.00	800.	2771.	26.	1050.	0.5
70.00	72.00		20% Black pyritic argillite.	026841	70.00	72.00	2.00	22.	371.	41.	860.	0.5
72.00	76.00	ARG	Black pyritic argillite.									
72.00	74.00		5% Pyritic quartz feldspar porphyry.	026842	72.00	74.00	2.00	26.	101.	17.	160.	0.4
				026843	74.00	76.00	2.00	19.	79.	13.	120.	0.5

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-211
Grid System : ORIGINAL
Collar Eastings : 22839.000
Collar Northings : 19872.600
Collar Elevations : 869.180
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 76.00
Claim No. :

Logged by : LENA K BROMMELAND
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES										GEOTECHNICAL SAMPLES									
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sr %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2			2	1.5	3	2														
4.00	6.00	2			2	1.5	3	2		TR												
6.00	8.00	2			2	1.5	2	1														
8.00	10.00	2			2	1.5	2	1														
10.00	12.00	2																				
12.00	14.00	2			TR	1.5	3	1		TR												
						1.5	2			TR												
14.00	16.00	2				1.5	2	1		TR												
16.00	18.00	2			1	1.5	3			TR												
18.00	20.00	3			2	1.5		2		5												
20.00	22.00	3			1	1.5	1	3		5												
22.00	24.00	3			1	1.5	1	2		3												
24.00	26.00	3			TR	1.5	1	3		3												
26.00	28.00	3																				
28.00	30.00	3			1	2.5	2	2		2												
30.00	32.00	3			TR	2.5	2	1		TR												
32.00	34.00	3			TR	2.5	2			TR												
34.00	36.00	3			1	2.5	1	1		1-2												
36.00	38.00	3			TR	2.5	1	2		1-2												
38.00	40.00	3			2	2.5	1	2		1-2												
40.00	42.00	3				2.5		1		TR												
42.00	44.00	2			2	1.5				TR												
44.00	46.00	2			2	1.5				1-2												
46.00	48.00	2			2	1.5				1-2												
48.00	50.00	2			2	1.5				1-2												
50.00	52.00	2			2	1.5				1-2												
52.00	54.00	2			2	1.5				1-2												
54.00	56.00	2			2	1.5				1-2												
56.00	58.00	2			2	1.5				1-2												
58.00	60.00	2			2	2				1-2												
60.00	62.00	2			2	2				1-2												
62.00	64.00	2			2	2				1-2												
64.00	66.00	2																				

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-211

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
66.00	68.00	2			2	2			1-2													
68.00	70.00	2			2	2			1-2													
70.00	72.00	2			2	2			1-2													
72.00	74.00																					
74.00	76.00																					

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-212
Grid System : ORIGINAL
Collar Eastings : 22839.200
Collar Northings : 19848.300
Collar Elevations : 867.600
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 76.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	18.00	INT	Quartz rich limonitic intrusive.									
2.00	4.00		10% Rusty quartz.	026844	2.00	4.00	2.00	130.	676.	70.	5600.	0.4
				026845	4.00	6.00	2.00	28.	388.	26.	4700.	0.2
				026846	6.00	8.00	2.00	36.	467.	28.	5200.	0.5
8.00	10.00		10% Argillite.	026847	8.00	10.00	2.00	14.	191.	13.	3380.	0.4
				026848	10.00	12.00	2.00	25.	143.	17.	1900.	0.3
				026849	12.00	14.00	2.00	14.	166.	10.	1400.	0.3
14.00	16.00		20% Light grey quartz feldspar porphyry. Trace of pyrite.	026850	14.00	16.00	2.00	6.	97.	10.	1100.	0.1
16.00	18.00		5% Light grey quartz feldspar porphyry. 5% Argillite.	026851	16.00	18.00	2.00	16.	106.	14.	1200.	0.2
18.00	20.00	ARG	Dark grey to black argillite.	026852	18.00	20.00	2.00	12.	136.	23.	750.	0.3
20.00	48.00	INT	Quartz rich limonitic intrusive.									
20.00	22.00		Strong quartz stockwork. 10% Argillite.	026853	20.00	22.00	2.00	3220.	3237.	58.	5400.	1.3
22.00	24.00		Strong quartz stockwork. 5-10% Dark grey sulphide (stibnite?).	026854	22.00	24.00	2.00	9980.	4408.	12621.	6800.	3.0
24.00	34.00		Minor quartz stockwork and rusty quartz. Weakly limonitic.	026855	24.00	26.00	2.00	1390.	1680.	321.	3700.	1.0
				026856	26.00	28.00	2.00	820.	1523.	486.	8800.	0.4
				026857	28.00	30.00	2.00	730.	1391.	139.	3800.	0.5
				026858	30.00	32.00	2.00	330.	723.	310.	4300.	0.5
				026859	32.00	34.00	2.00	620.	1177.	65.	2800.	0.5
34.00	38.00		Strong quartz stockwork. 50% Rusty quartz with 1-2% sulphide (pyrite & stibnite?).	026860	34.00	36.00	2.00	3150.	2754.	634.	7200.	10.5
				026861	36.00	38.00	2.00	3820.	2509.	853.	5200.	4.5
38.00	42.00		Minor quartz stockwork and rusty quartz.	026862	38.00	40.00	2.00	1030.	728.	231.	3400.	1.0
				026863	40.00	42.00	2.00	350.	604.	67.	4400.	0.6
42.00	46.00		5-10% Light grey pyritic quartz feldspar porphyry. Minor pinkish red stain on quartz (realgar?).	026864	42.00	44.00	2.00	200.	469.	41.	2600.	1.0
				026865	44.00	46.00	2.00	250.	609.	96.	1800.	0.7
46.00	48.00		50% Light grey pyritic quartz feldspar porphyry with minor black biotite.	026866	46.00	48.00	2.00	210.	459.	70.	1100.	0.7
48.00	50.00	QFP	Light grey quartz feldspar porphyry with	026867	48.00	50.00	2.00	70.	116.	61.	480.	0.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-212

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			1-2% black biotite and a trace of pyrite.									
50.00	56.00	QFP	Dark greyish green quartz feldspar porphyry with 3-5% black biotite. No visible sulphides. Strong phyllic alteration.	026868	50.00	52.00	2.00	73.	95.	67.	340.	0.4
				026869	52.00	54.00	2.00	31.	79.	54.	300.	0.4
				026870	54.00	56.00	2.00	24.	44.	55.	280.	0.2
56.00	76.00	QFP	Light grey quartz feldspar porphyry (no biotite) with 3-4% disseminated pyrite.									
56.00	58.00		40% Dark grey biotite rich quartz feldspar porphyry.	026871	56.00	58.00	2.00	15.	52.	44.	1800.	0.4
				026872	58.00	60.00	2.00	100.	406.	34.	3100.	0.4
				026873	60.00	62.00	2.00	1280.	1702.	177.	2800.	3.1
62.00	66.00		5% Pyrite.	026874	62.00	64.00	2.00	72.	335.	26.	1500.	0.5
				026875	64.00	66.00	2.00	240.	549.	37.	860.	0.6
				026876	66.00	68.00	2.00	230.	601.	22.	3700.	0.4
				026877	68.00	70.00	2.00	1480.	2160.	25.	5400.	0.6
				026878	70.00	72.00	2.00	1790.	2626.	28.	1600.	0.8
				026879	72.00	74.00	2.00	1000.	2869.	28.	1100.	0.5
74.00	76.00		20% Dark black argillite.	026880	74.00	76.00	2.00	240.	470.	19.	1400.	0.3

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-212
Grid System : ORIGINAL
Collar Eastings : 22839.200
Collar Northings : 19848.300
Collar Elevations : 867.600
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 76.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : HC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sr %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2.5			3	2	3	1														
4.00	6.00	2.5			3	2	3	1														
6.00	8.00	2.5			3	2	3	1														
8.00	10.00	2.5			3	2	3	1														
10.00	12.00	2.5			3	2	3	1														
12.00	14.00	2.5			3	2	3	1														
14.00	16.00	2.5			3	2	1	1														
16.00	18.00	2.5			3	2	2	1														
18.00	20.00																					
20.00	22.00	3				3	3	3	1													
22.00	24.00	3				3	3	3	5													
24.00	26.00						3	1														
26.00	28.00						2	1														
28.00	30.00						2	1														
30.00	32.00				3		2	1														
32.00	34.00				3		2	1														
34.00	36.00				3		2	3	1													
36.00	38.00				3		2	3	1													
38.00	40.00				3		2	1	1													
40.00	42.00				3		1		1													
42.00	44.00				3		1		1													
44.00	46.00				3		1		1													
46.00	48.00				3		1		1													
48.00	50.00	2			3	2			1													
50.00	52.00	2			4																	
52.00	54.00	2			4																	
54.00	56.00	2			4	2																

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
56.00	58.00	2			3	3			3														
58.00	60.00	2			3	3			3														
60.00	62.00	2			3	3			3														
62.00	64.00	2			3	3			5														
64.00	66.00	2			3	3			5														
66.00	68.00	2			3	3			3														
68.00	70.00	2			3	3			3														
70.00	72.00	2			3	3			3														
72.00	74.00	2			3	3			3														
74.00	76.00	2			3	3			3														

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-213
Grid System : ORIGINAL
Collar Eastings : 22828.600
Collar Northings : 19802.100
Collar Elevations : 864.230
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 56.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	6.00	INT	Quartz rich limonitic intrusive.	026881	2.00	4.00	2.00	69.	218.	39.	2000.	0.3
				026882	4.00	6.00	2.00	24.	112.	26.	850.	0.2
6.00	18.00	ARG	Dark black argillite.	026883	6.00	8.00	2.00	9.	66.	14.	330.	0.3
				026884	8.00	10.00	2.00	7.	57.	6.	150.	0.2
				026885	10.00	12.00	2.00	13.	44.	6.	180.	0.2
				026886	12.00	14.00	2.00	5.	44.	9.	220.	0.3
				026887	14.00	16.00	2.00	6.	43.	9.	330.	0.3
				026888	16.00	18.00	2.00	3.	222.	24.	800.	0.4
18.00	24.00	INT	Quartz rich limonitic intrusive.	026889	18.00	20.00	2.00	10.	281.	28.	1500.	0.1
				026890	20.00	22.00	2.00	12.	181.	19.	160.	0.1
20.00	24.00		Biotite rich (2%).	026891	22.00	24.00	2.00	7.	519.	23.	180.	0.2
24.00	28.00	ARG	Dark black argillite.									
24.00	26.00		20% Limonitic intrusive. Moderate quartz stockwork.	026892	24.00	26.00	2.00	12.	1026.	32.	400.	0.3
				026893	26.00	28.00	2.00	2.	82.	9.	320.	0.1
28.00	50.00	INT	Weakly limonitic intrusive with a trace-1% of pyrite.									
28.00	34.00		30% Argillite.	026894	28.00	30.00	2.00	8.	89.	22.	1300.	0.1
				026895	30.00	32.00	2.00	7.	85.	59.	1200.	0.1
				026896	32.00	34.00	2.00	13.	94.	27.	1300.	0.1
				026897	34.00	36.00	2.00	320.	1444.	29.	3200.	0.5
36.00	38.00		20% Grey quartz feldspar porphyry.	026898	36.00	38.00	2.00	1320.	3777.	34.	3400.	0.2
			1% Pyrite with a minor quartz stockwork.	026899	38.00	40.00	2.00	720.	631.	71.	2900.	0.2
				026900	40.00	42.00	2.00	250.	405.	19.	2800.	0.1
				026901	42.00	44.00	2.00	66.	82.	25.	3500.	0.1
				026902	44.00	46.00	2.00	14.	86.	21.	2800.	0.1
				026903	46.00	48.00	2.00	13.	170.	22.	2100.	0.1
				026904	48.00	50.00	2.00	6.	147.	57.	3500.	0.1
50.00	56.00	QFP	Light grey quartz feldspar porphyry.									

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMERY CREEK
HOLE No. : BCRC 90-213

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
50.00	54.00		Weakly limonitic.	026905	50.00	52.00	2.00	6.	70.	19.	5400.	0.1
				026906	52.00	54.00	2.00	11.	52.	19.	3200.	0.1
				026907	54.00	56.00	2.00	7.	63.	16.	3800.	0.2

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-213
Grid System : ORIGINAL
Collar Eastings : 22828.600
Collar Northings : 19802.100
Collar Elevations : 864.230
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 56.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : HC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sx	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2				2	3															
4.00	6.00	2				2	3															
6.00	8.00																					
8.00	10.00																					
10.00	12.00																					
12.00	14.00																					
14.00	16.00																					
16.00	18.00																					
18.00	20.00	2				2	3															
20.00	22.00	1				1	1															
22.00	24.00	1				1	1															
24.00	26.00						TR	2														
26.00	28.00																					
28.00	30.00	2.5			2	2	1			TR												
30.00	32.00	2.5			2	2	1			TR												
32.00	34.00	2.5			2	2	1			TR												
34.00	36.00	2.5			2	2	1			TR												
36.00	38.00	2.5			2	3	2	2		TR												
38.00	40.00	2.5			2	2	2			TR												
40.00	42.00	2.5			2	2	1			TR												
42.00	44.00	2.5			2	2	1			TR												
44.00	46.00	2.5			2	2	1			TR												
46.00	48.00	2.5			2	2	1			TR												
48.00	50.00	2.5			2	2	1			TR												
50.00	52.00	2.5			2	2	TR			TR												
52.00	54.00	2.5			2	2	TR			TR												
54.00	56.00	2.5			2	2				TR												

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCEC 90-214
Grid System : ORIGINAL
Collar Eastings : 22745.400
Collar Northings : 19857.000
Collar Elevations : 891.040
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 58.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	50.00	INT	Quartz rich limonitic intrusive.									
2.00	10.00		Minor quartz stockwork. 10% Rusty quartz. 1-2% Pyritic quartz feldspar porphyry.	026908	2.00	4.00	2.00	1020.	1605.	139.	6600.	1.0
				026909	4.00	6.00	2.00	1080.	1442.	6373.	6800.	1.9
				026910	6.00	8.00	2.00	1190.	1289.	5470.	3800.	1.4
				026911	8.00	10.00	2.00	300.	737.	454.	5400.	1.0
10.00	12.00		5% Pyritic quartz feldspar porphyry.	026912	10.00	12.00	2.00	330.	874.	382.	7800.	1.0
12.00	14.00		Moderate quartz stockwork. 15-20% rusty quartz.	026913	12.00	14.00	2.00	1410.	2126.	204.	7500.	0.7
				026914	14.00	16.00	2.00	680.	979.	138.	6800.	0.3
16.00	20.00		Minor quartz stockwork. 10% Rusty quartz. 10% Pyritic quartz feldspar porphyry.	026915	16.00	18.00	2.00	1790.	1653.	125.	9600.	0.6
				026916	18.00	20.00	2.00	2300.	1697.	92.	6300.	0.7
20.00	22.00		5% Pyritic quartz feldspar porphyry.	026917	20.00	22.00	2.00	240.	389.	81.	4600.	0.1
				026918	22.00	24.00	2.00	44.	168.	80.	3400.	0.1
				026919	24.00	26.00	2.00	500.	530.	114.	3800.	0.1
26.00	30.00		Minor quartz stockwork. 10-15% Rusty quartz. 10% Pyritic quartz feldspar porphyry.	026920	26.00	28.00	2.00	2310.	1519.	10215.	4900.	1.5
				026921	28.00	30.00	2.00	3190.	1617.	6959.	2800.	1.0
30.00	32.00		30% Light grey pyritic quartz feldspar porphyry.	026922	30.00	32.00	2.00	3790.	2043.	1033.	3100.	0.8
32.00	36.00		50% Light grey pyritic quartz feldspar porphyry.	026923	32.00	34.00	2.00	4010.	2477.	690.	4800.	1.4
				026924	34.00	36.00	2.00	1710.	1630.	2124.	4600.	1.0
36.00	38.00		Trace of quartz stockwork.	026925	36.00	38.00	2.00	210.	311.	279.	5900.	0.3
38.00	40.00		Less limonitic. 1% MnO2 staining.	026926	38.00	40.00	2.00	49.	167.	133.	7300.	0.3
				026927	40.00	42.00	2.00	570.	741.	93.	6800.	0.6
				026928	42.00	44.00	2.00	360.	544.	89.	5200.	0.4
				026929	44.00	46.00	2.00	47.	154.	100.	4300.	0.3
				026930	46.00	48.00	2.00	260.	301.	347.	3500.	0.4
48.00	50.00		50% Light grey pyritic quartz feldspar porphyry.	026931	48.00	50.00	2.00	860.	754.	4124.	3900.	0.5
50.00	56.00	QFP	Light grey to white pyritic quartz feldspar porphyry. 20% Limonitic intrusive/quartz. Strong phyllic alteration. Moderate quartz stockwork.	026932	50.00	52.00	2.00	5400.	3427.	352.	3200.	0.9
				026933	52.00	54.00	2.00	1770.	1090.	353.	2400.	0.8

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMNER CREEK
HOLE No. : BCRC 90-214

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
54.00	56.00		15% Argillite.	026934	54.00	56.00	2.00	54.	159.	38.	950.	0.1
56.00	58.00	ARG	Dark black argillite. 15% Light grey pyritic quartz feldspar porphyry.	026935	56.00	58.00	2.00	24.	69.	25.	520.	0.3

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-214
Grid System : ORIGINAL
Collar Eastings : 22745.400
Collar Northings : 19857.080
Collar Elevations : 891.040
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 58.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.00	4.00	2				2	3	1		tr													
4.00	6.00	2				2	3	1		TR													
6.00	8.00	2				2	3	1		TR													
8.00	10.00	2				2	3	1		TR													
10.00	12.00	2				3	3	2															
12.00	14.00	2			1	2	3																
14.00	16.00	2			2	2.5	2	1		TR													
16.00	18.00	2			2	2	2																
18.00	20.00	2			2	2	2			TR													
20.00	22.00	2			2	2	3																
22.00	24.00	2			2	2	2																
24.00	26.00	2			2	2.5	2	1		TR													
26.00	28.00	2			2	2	2	1		TR													
28.00	30.00	2			2	2	2			TR													
30.00	32.00	2			2	2	1			1													
32.00	34.00	2			2	2.5	1																
34.00	36.00	2			2	1.5	1	1															
36.00	38.00	2			2	1.5	1																
38.00	40.00	2			2	1.5	1																
40.00	42.00	2			1	1.5	1																
42.00	44.00	2			2	1.5	2																
44.00	46.00	2			2	2	1																
46.00	48.00	2			2	2.5	1			1													
48.00	50.00	2.5			2	3			2	1													
50.00	52.00	3			2	3	1		2	1													
52.00	54.00	3			1	3			2	1													
54.00	56.00	3																					
56.00	58.00																						

Hole No: BCRC 90-214

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-215
Grid System : ORIGINAL
Collar Eastings : 22749.500
Collar Northings : 19886.800
Collar Elevations : 893.860
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	12.00	ARG	Dark black argillite.	026936	2.00	4.00	2.00	24.	88.	27.	4800.	4.2
				026937	4.00	6.00	2.00	12.	66.	13.	1500.	1.9
6.00	12.00		30% Medium grey limonitic stained mud-	026938	6.00	8.00	2.00	9.	49.	7.	500.	0.2
			stone.	026939	8.00	10.00	2.00	13.	37.	7.	850.	0.5
				026940	10.00	12.00	2.00	150.	129.	8.	1700.	0.7
12.00	22.00	MUDST	Light grey limonitic mudstone.	026941	12.00	14.00	2.00	390.	716.	13.	950.	0.4
				026942	14.00	16.00	2.00	290.	1143.	7.	660.	0.1
				026943	16.00	18.00	2.00	220.	768.	10.	820.	0.1
				026944	18.00	20.00	2.00	290.	501.	12.	750.	0.3
				026945	20.00	22.00	2.00	32.	106.	7.	200.	0.1
22.00	34.00	ARG	Dark black argillite; moderate quartz	026946	22.00	24.00	2.00	20.	164.	14.	2800.	0.3
			stockwork.	026947	24.00	26.00	2.00	7.	38.	13.	1100.	0.1
				026948	26.00	28.00	2.00	39.	52.	20.	2600.	0.5
				026949	28.00	30.00	2.00	21.	94.	44.	6300.	1.6
				026950	30.00	32.00	2.00	6.	41.	15.	1700.	0.4
				026951	32.00	34.00	2.00	24.	94.	23.	1900.	0.6
34.00	40.00	MUDST	Light grey mudstone (no limonite) with	026952	34.00	36.00	2.00	67.	58.	4.	700.	0.2
			minor quartz veining.	026953	36.00	38.00	2.00	7.	16.	4.	380.	0.2
				026954	38.00	40.00	2.00	7.	14.	9.	250.	0.3

MORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-215
Grid System : ORIGINAL
Collar Eastings : 22749.500
Collar Northings : 19886.800
Collar Elevations : 893.860
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00																					
4.00	6.00																					
6.00	8.00						1															
8.00	10.00																					
10.00	12.00																					
12.00	14.00						2															
14.00	16.00				1		2															
16.00	18.00				1		2															
18.00	20.00				2		2															
20.00	22.00				2		2															
22.00	24.00				2			2														
24.00	26.00				2			2														
26.00	28.00				2			2														
28.00	30.00				1			2														
30.00	32.00				1			2														
32.00	34.00				1			2														
34.00	36.00				2																	
36.00	38.00				2																	
38.00	40.00				2																	

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-216
Grid System : ORIGINAL
Collar Eastings : 19821.470
Collar Northings : 20004.140
Collar Elevations : 854.710
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 58.00
Claim No. :

PAGE : 1

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	6.00	INT	Quartz rich limonitic intrusive.	026955	2.00	4.00	2.00	46.	92.	57.	800.	0.2
				026956	4.00	6.00	2.00	51.	64.	48.	680.	0.1
6.00	8.00	ARG	Argillite.	026957	6.00	8.00	2.00	37.	66.	35.	1100.	0.6
8.00	54.00	INT	Quartz rich limonitic intrusive.	026958	8.00	10.00	2.00	9.	78.	20.	480.	0.1
				026959	10.00	12.00	2.00	14.	52.	19.	1200.	0.2
				026960	12.00	14.00	2.00	15.	113.	22.	800.	0.1
				026961	14.00	16.00	2.00	19.	157.	18.	1400.	0.2
				026962	16.00	18.00	2.00	12.	70.	19.	1200.	0.2
				026963	18.00	20.00	2.00	14.	103.	21.	1100.	0.2
20.00	22.00		30% Light grey to white quartz feldspar porphyry. Strong phyllic alteration.	026964	20.00	22.00	2.00	10.	73.	22.	1050.	0.3
22.00	24.00		More limonitic. Minor quartz stockwork.	026965	22.00	24.00	2.00	38.	137.	31.	800.	0.1
				026966	24.00	26.00	2.00	83.	416.	23.	680.	0.1
26.00	30.00		Minor quartz stockwork.	026967	26.00	28.00	2.00	41.	249.	20.	820.	0.1
				026968	28.00	30.00	2.00	12.	108.	31.	420.	0.1
30.00	38.00		More limonitic. Moderate quartz stock-work.	026969	30.00	32.00	2.00	2.	44.	28.	440.	0.1
				026970	32.00	34.00	2.00	4.	57.	26.	730.	0.1
				026971	34.00	36.00	2.00	13.	84.	21.	860.	0.1
				026972	36.00	38.00	2.00	49.	165.	36.	750.	0.3
38.00	40.00		20% Light grey pyritic quartz feldspar porphyry.	026973	38.00	40.00	2.00	27.	201.	21.	960.	0.1
40.00	44.00		20% Argillite. 5-10% Light grey pyritic	026974	40.00	42.00	2.00	19.	159.	34.	800.	0.6
			quartz feldspar porphyry.	026975	42.00	44.00	2.00	26.	295.	42.	480.	0.2
44.00	46.00		10% Argillite. Moderate quartz stockwork.	026976	44.00	46.00	2.00	25.	186.	43.	360.	0.2
46.00	54.00		Minor quartz stockwork with 5-10% pyritic	026977	46.00	48.00	2.00	31.	296.	35.	500.	0.1
			quartz feldspar porphyry.	026978	48.00	50.00	2.00	47.	434.	66.	780.	0.2
				026979	50.00	52.00	2.00	48.	369.	128.	1300.	0.4
				026980	52.00	54.00	2.00	18.	226.	81.	880.	0.3
54.00	58.00	ARG	Dark black argillite. 5% Limonitic	026981	54.00	56.00	2.00	17.	103.	89.	540.	0.6
			intrusive.	026982	56.00	58.00	2.00	7.	72.	79.	920.	0.7

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-216
Grid System : ORIGINAL
Collar Eastings : 19821.470
Collar Northings : 20004.140
Collar Elevations : 854.710
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 58.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2.5					3															
4.00	6.00	2.5					3															
6.00	8.00	2.5					3															
8.00	10.00	2.5					3															
10.00	12.00	2.5					3															
12.00	14.00	2.5					3															
14.00	16.00	2.5					3															
16.00	18.00	2.5					3															
18.00	20.00	2.5					3															
20.00	22.00	2.5					3															
22.00	24.00	2.5					3															
24.00	26.00	2.5			1		3															
26.00	28.00	2.5			1		3															
28.00	30.00	2.5			2		3															
30.00	32.00	2.5			3		3															
32.00	34.00	2.5			3		3															
34.00	36.00	2.5			3		3															
36.00	38.00	2.5			3		3															
38.00	40.00	2.5			3		3															
40.00	42.00	2.5			1		3															
42.00	44.00	2.5			1		3															
44.00	46.00	2.5			1		3															
46.00	48.00	2.5			2		3															
48.00	50.00	2.5			2		3															
50.00	52.00	2.5					3															
52.00	54.00	2.5					3															
54.00	56.00																					
56.00	58.00																					

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-217
Grid System : ORIGINAL
Collar Eastings : 19196.020
Collar Northings : 20964.120
Collar Elevations : 942.390
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 62.00
Claim No. :

Logged by : Greg Gillstrom
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	16.00	SEDS	Brown/black mudstone and shale, minor green mudstone and black argillite.	026983	2.00	4.00	2.00	22.	243.	16.	420.	0.1
				026984	4.00	6.00	2.00	16.	89.	12.	480.	0.1
				026985	6.00	8.00	2.00	3.	31.	8.	820.	0.2
8.00	16.00		Minor white quartz veining.	026986	8.00	10.00	2.00	3.	23.	20.	1700.	0.3
			NOTE: at 12-14m; Minor amount of pyrite.	026987	10.00	12.00	2.00	15.	513.	14.	1400.	0.1
				026988	12.00	14.00	2.00	55.	510.	15.	1200.	0.1
				026989	14.00	16.00	2.00	9.	141.	11.	1100.	0.1
16.00	36.00	ARG	Black argillite, abundant white quartz	026990	16.00	18.00	2.00	4.	125.	9.	2300.	0.1
			veining and disseminated steely pyrite.	026991	18.00	20.00	2.00	4.	30.	8.	1600.	0.1
				026992	20.00	22.00	2.00	2930.	2981.	35.	2900.	0.1
				026993	22.00	24.00	2.00	51.	155.	14.	1500.	0.1
				026994	24.00	26.00	2.00	28.	192.	13.	1300.	0.1
26.00	28.00		Colour change in pyrite to brassy yellow.	026995	26.00	28.00	2.00	9.	179.	11.	1100.	0.1
				026996	28.00	30.00	2.00	490.	1442.	19.	1400.	0.4
				026997	30.00	32.00	2.00	1000.	2720.	22.	1700.	0.2
				026998	32.00	34.00	2.00	680.	1865.	19.	1600.	0.2
34.00	36.00		20% Light grey quartz feldspar porphyry.	026999	34.00	36.00	2.00	1750.	3090.	22.	1800.	0.5
36.00	42.00	QFP	Light grey porphyritic quartz feldspar intrusive. Abundant white , clay altered, phenocrysts. 1% Disseminated pyrite.									
36.00	38.00		30% Argillite.	027000	36.00	38.00	2.00	890.	2779.	24.	1900.	0.5
38.00	40.00		10% Argillite.	027001	38.00	40.00	2.00	610.	2421.	18.	1400.	0.3
				027002	40.00	42.00	2.00	910.	2924.	21.	1800.	0.6
42.00	50.00	ARG	Black argillite, abundant quartz veining. 1% pyrite.									
42.00	44.00		10% Quartz feldspar porphyry.	027003	42.00	44.00	2.00	450.	1815.	29.	1900.	0.5
				027004	44.00	46.00	2.00	260.	664.	21.	1700.	0.3
				027005	46.00	48.00	2.00	1380.	987.	16.	1300.	0.1
48.00	50.00		40% Quartz feldspar porphyry.	027006	48.00	50.00	2.00	280.	614.	488.	1400.	0.1
50.00	58.00	QFP	Quartz feldspar porphyry. Abundant white	027007	50.00	52.00	2.00	510.	1099.	25.	1200.	0.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-217

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			clay altered, feldspar phenocrysts.	027008	52.00	54.00	2.00	210.	489.	14.	1300.	0.2
			1% disseminated pyrite.	027009	54.00	56.00	2.00	41.	95.	6.	640.	0.1
				027010	56.00	58.00	2.00	43.	84.	7.	460.	0.1
58.00	62.00	ARG	Black argillite, abundant white quartz veining and disseminated pyrite.									
58.00	60.00		10% Quartz feldspar porphyry.	027011	58.00	60.00	2.00	42.	147.	8.	550.	0.1
				027012	60.00	62.00	2.00	56.	100.	5.	380.	0.1

BONANZA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-217
Grid System : ORIGINAL
Collar Eastings : 19196.020
Collar Northings : 20964.120
Collar Elevations : 942.390
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 62.00
Claim No. :

Logged by : Greg Gillstrom
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00									
4.00	6.00									
6.00	8.00									
8.00	10.00							1		
10.00	12.00							1		tr
12.00	14.00							1		tr
14.00	16.00							1		
16.00	18.00							2		1
18.00	20.00							2		1
20.00	22.00							2		3
22.00	24.00							2		1
24.00	26.00							2		tr
26.00	28.00							2		1
28.00	30.00							2		1
30.00	32.00							2		1
32.00	34.00							2		
34.00	36.00							2		
36.00	38.00	1.5					2	1		1
38.00	40.00	1.5					2	1		1
40.00	42.00	1.5					2	1		1
42.00	44.00							2		1
44.00	46.00									1
46.00	48.00									1
48.00	50.00									1
50.00	52.00	1.5					1.5			1
52.00	54.00	1.5					1.5			1
54.00	56.00	1.5					1.5			1
56.00	58.00	1.5					1.5			1

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzCirCode %

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-217

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
58.00	60.00							2	1													
60.00	62.00							2	1													

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : Brewery Creek
HOLE No. : BCRC 90-218
Grid System : ORIGINAL
Collar Eastings : 19113.830
Collar Northings : 20949.910
Collar Elevations : 956.720
Collar Bearing : 336.00
Grid Baseline : 66.00

Collar Inclination : -45.00
Grid Bearing : 156.00
Final Depth : 28.00
Claim No. :

Logged by : Greg Gillstrom
Date : -
Downhole Survey :
Drilled By : Midnight Sun
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	16.00	INT	Rusty brown, limonitic, quartz rich intrusive. 60% Rusty quartz.	027013	2.00	4.00	2.00	1660.	4895.	30.	1800.	0.2
				027014	4.00	6.00	2.00	1740.	4083.	33.	1600.	0.2
6.00	8.00		10% Unoxidized, grey, pyrite rich, intrusive.	027015	6.00	8.00	2.00	1840.	4827.	24.	1400.	0.2
8.00	10.00		40% Unoxidized, grey, pyrite rich, intrusive.	027016	8.00	10.00	2.00	1650.	6006.	29.	1500.	0.2
				027017	10.00	12.00	2.00	1410.	4373.	29.	1800.	0.2
12.00	14.00		20% Black argillite	027018	12.00	14.00	2.00	430.	2311.	30.	1400.	0.1
14.00	16.00		40% Brown/black mudstone and argillite.	027019	14.00	16.00	2.00	640.	2041.	32.	1800.	1.4
16.00	20.00	SED	Brown/black mudstone and shale, minor black argillite.	027020	16.00	18.00	2.00	40.	239.	10.	480.	0.8
				027021	18.00	20.00	2.00	1.	204.	16.	720.	1.0
20.00	28.00	ARG	Black, cherty argillite.	027022	20.00	22.00	2.00	1.	75.	14.	800.	0.4
				027023	22.00	24.00	2.00	1.	42.	16.	820.	0.5
				027024	24.00	26.00	2.00	1.	18.	11.	860.	0.2
				027025	26.00	28.00	2.00	1.	43.	14.	1050.	0.2

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : Brewery Creek
HOLE No. : BCRC 90-218
Grid System : ORIGINAL
Collar Eastings : 19113.830
Collar Northings : 20949.910
Collar Elevations : 956.720
Collar Bearing : 336.00
Grid Baseline : 66.00

Collar Inclination : -45.00
Grid Bearing : 156.00
Final Depth : 28.00
Claim No. :

Logged by : Greg Gillstrom
Date : -
Downhole Survey :
Drilled By : Midnight Sun
Core Size : RC

GEOCHEMICAL SAMPLES

FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00	2.5					3	10	3	
4.00	6.00	2.5					3	10	3	
6.00	8.00	2					3	5	2	tr
8.00	10.00	2					3	5	2	tr
10.00	12.00	2.5					3	10	3	
12.00	14.00	2.5					3	10	2	
14.00	16.00	2.5					3	5	2	
16.00	18.00									
18.00	20.00									
20.00	22.00									
22.00	24.00									
24.00	26.00									
26.00	28.00									

GEOTECHNICAL SAMPLES

FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-219
Grid System : ORIGINAL
Collar Eastings : 19132.370
Collar Northings : 20916.800
Collar Elevations : 958.050
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 76.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	26.00	SED	Brown/black soft mudstone,black siltstone and shale, minor green mudstone.	027026	2.00	4.00	2.00	8.	61.	5.	280.	0.4
				027027	4.00	6.00	2.00	1.	19.	4.	270.	0.6
				027028	6.00	8.00	2.00	1.	14.	3.	280.	0.4
				027029	8.00	10.00	2.00	1.	12.	5.	270.	0.4
				027030	10.00	12.00	2.00	4.	8.	6.	350.	0.4
				027031	12.00	14.00	2.00	2.	9.	2.	370.	0.3
				027032	14.00	16.00	2.00	3.	16.	6.	440.	0.6
				027033	16.00	18.00	2.00	1.	16.	5.	400.	0.2
				027034	18.00	20.00	2.00	1.	62.	6.	380.	0.2
				027035	20.00	22.00	2.00	3.	92.	10.	620.	0.1
				027036	22.00	24.00	2.00	37.	29.	6.	680.	0.3
				027037	24.00	26.00	2.00	2.	17.	2.	520.	0.1
26.00	52.00	ARG	Black cherty argillite. 10% white quartz.									
26.00	28.00		minor pyrite.	027038	26.00	28.00	2.00	2.	24.	5.	600.	0.2
				027039	28.00	30.00	2.00	5.	25.	6.	430.	0.2
				027040	30.00	32.00	2.00	9.	49.	12.	480.	0.4
				027041	32.00	34.00	2.00	10.	25.	7.	320.	0.3
				027042	34.00	36.00	2.00	6.	23.	8.	350.	0.2
				027043	36.00	38.00	2.00	9.	40.	9.	440.	0.3
				027044	38.00	40.00	2.00	3.	31.	7.	340.	0.2
				027045	40.00	42.00	2.00	6.	60.	15.	500.	0.4
				027046	42.00	44.00	2.00	1.	49.	10.	560.	0.4
				027047	44.00	46.00	2.00	1.	129.	12.	830.	0.6
46.00	48.00		2% Pyrite.	027048	46.00	48.00	2.00	320.	533.	22.	1200.	0.9
				027049	48.00	50.00	2.00	1350.	1812.	30.	2000.	1.2
50.00	52.00		20% Rusty quartz and grey porphyritic intrusive.	027050	50.00	52.00	2.00	1500.	3400.	27.	1500.	1.0
52.00	70.00	QFP	Light grey/blue quartz and feldspar porphyritic intrusive. Abundant disseminated pyrite.									
52.00	56.00		50% Rusty oxidized intrusive. 5% argillite	027051	52.00	54.00	2.00	930.	4101.	27.	1200.	0.7

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-219

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				027052	54.00	56.00	2.00	1890.	3264.	19.	1300.	0.3
56.00	64.00		5% Black argillite.	027053	56.00	58.00	2.00	590.	992.	20.	1700.	0.8
				027054	58.00	60.00	2.00	530.	816.	20.	1800.	0.4
				027055	60.00	62.00	2.00	1760.	3838.	15.	1600.	0.5
				027056	62.00	64.00	2.00	1670.	5430.	17.	1700.	0.4
				027057	64.00	66.00	2.00	1610.	4832.	18.	1600.	0.3
66.00	70.00		40% Rusty oxidized intrusive.	027058	66.00	68.00	2.00	1660.	3938.	15.	1900.	0.4
				027059	68.00	70.00	2.00	4280.	7726.	24.	2100.	0.8
70.00	76.00	ARG	Black cherty argillite.									
70.00	72.00		40% Rusty quartz and rusty/grey intrusive.	027060	70.00	72.00	2.00	1690.	2949.	24.	2500.	1.1
72.00	76.00		1% Disseminated pyrite and pyrite	027061	72.00	74.00	2.00	180.	367.	15.	2400.	0.4
			stringers.	027062	74.00	76.00	2.00	1120.	1306.	18.	2000.	1.1

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-219
Grid System : ORIGINAL
Collar Eastings : 19132.370
Collar Northings : 20916.000
Collar Elevations : 958.050
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 76.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES												GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %		FROM	TO	Reco-very %	Lim %	Break-age	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00																						
4.00	6.00																						
6.00	8.00																						
8.00	10.00																						
10.00	12.00																						
12.00	14.00																						
14.00	16.00																						
16.00	18.00																						
18.00	20.00																						
20.00	22.00																						
22.00	24.00																						
24.00	26.00																						
26.00	28.00							1		tr													
28.00	30.00							1															
30.00	32.00							1															
32.00	34.00							1															
34.00	36.00							1															
36.00	38.00							1															
38.00	40.00							1															
40.00	42.00							1															
42.00	44.00							1															
44.00	46.00							1															
46.00	48.00							1		2													
48.00	50.00							1		tr													
50.00	52.00							1.5		tr													
52.00	54.00	1.5			1	2	1	1.5		2													
54.00	56.00	1.5			1	2	1	1		2													
56.00	58.00	1.5				2		1		2													
58.00	60.00	1.5				2		1		2													
60.00	62.00	1.5				2		1		2													

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-219

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
62.00	64.00	1.5					2		1	2												
64.00	66.00	1.5					2		1	2												
66.00	68.00	1.5					2	1	1	2												
68.00	70.00	1.5					2	1	1	2												
70.00	72.00								1	1												
72.00	74.00								1	1												
74.00	76.00								1	1												

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PAGE : 1

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-220
Grid System : ORIGINAL
Collar Eastings : 19075.990
Collar Northings : 20935.300
Collar Elevations : 964.030
Collar Bearing : 336.00
Grid Baseline : 66.00

Collar Inclination : -45.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : RICHARD M. DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	10.00	INT	Quartz rich limonitic intrusive. Moderate	027063	2.00	4.00	2.00	740.	3913.	19.	1100.	0.3
			to strong quartz stockwork. Very limonitic	027064	4.00	6.00	2.00	2350.	5684.	30.	1500.	0.6
				027065	6.00	8.00	2.00	1620.	4985.	24.	1300.	0.3
8.00	10.00		20% Dark grey to black fissile mudstone.	027066	8.00	10.00	2.00	1320.	3658.	26.	2200.	1.2
10.00	16.00	SED	Dark grey to black fissile mudstone.	027067	10.00	12.00	2.00	83.	594.	25.	870.	1.3
			30% Argillite moderate quartz stockwork	027068	12.00	14.00	2.00	25.	276.	11.	780.	1.0
			with trace of limonite.	027069	14.00	16.00	2.00	15.	324.	8.	520.	0.6
16.00	20.00	INT	Quartz rich limonitic intrusive.									
16.00	20.00		40% Quartz feldspar porphyry. Light grey,	027070	16.00	18.00	2.00	1620.	6200.	35.	1200.	0.7
			1-2% pyrite. Moderate quartz stockwork-	027071	18.00	20.00	2.00	1470.	4255.	30.	1800.	0.5
			veining. 10% rusty quartz.									
20.00	26.00	SED	Medium grey weakly limonitic mudstone.									
			20-22 30% argillite.									
20.00	22.00		10% Limonitic intrusive.	027072	20.00	22.00	2.00	45.	768.	17.	730.	0.5
				027073	22.00	24.00	2.00	38.	401.	12.	480.	0.4
				027074	24.00	26.00	2.00	26.	314.	15.	620.	0.5
26.00	50.00	VOLC	Light brown to white volcanic/pyroclastic/	027075	26.00	28.00	2.00	11.	180.	18.	650.	0.4
			tuff. Probably equivalent of Block to	027076	28.00	30.00	2.00	3.	184.	16.	960.	0.4
			lapilli tuff intersected in DDH 89-2.	027077	30.00	32.00	2.00	3.	129.	15.	700.	0.3
			Trace of pyrite. Moderate quartz stockwork	027078	32.00	34.00	2.00	2.	74.	14.	730.	0.4
				027079	34.00	36.00	2.00	9.	126.	14.	1800.	0.2
				027080	36.00	38.00	2.00	4.	145.	9.	1200.	0.2
				027081	38.00	40.00	2.00	1.	154.	8.	510.	0.5
40.00	50.00		Quartz eye crystal tuff. Abundant rounded	027082	40.00	42.00	2.00	24.	209.	9.	700.	0.3
			quartz eyes. Moderate to strong quartz	027083	42.00	44.00	2.00	5.	179.	10.	620.	0.3
			stockwork, weak to moderate limonitic	027084	44.00	46.00	2.00	5.	295.	10.	500.	0.3
			staining. Trace pyrite.	027085	46.00	48.00	2.00	41.	239.	11.	390.	0.3
			NOTE: 48-50m; 1-2% Pyrite with a trace of limonitic staining.	027086	48.00	50.00	2.00	11.	88.	9.	380.	0.4

MOHANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-220
Grid System : ORIGINAL
Collar Eastings : 19075.990
Collar Northings : 20935.300
Collar Elevations : 964.030
Collar Bearing : 336.00
Grid Baseline : 66.00

Collar Inclination : -45.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : RICHARD M. DIMENT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2.5			3	3	3	2														
4.00	6.00	2.5			3	3	3	2														
6.00	8.00	2.5			3	3	4	2														
8.00	10.00	2.5			3	3	4	2														
10.00	12.00				3		1	2														
12.00	14.00				3			2														
14.00	16.00	2.5			3	3	1	2	1													
16.00	18.00	2.5			3		1	2	1													
18.00	20.00	2.5			3	3	1	2	1													
20.00	22.00				3		1															
22.00	24.00				3		1															
24.00	26.00				3		2															
26.00	28.00	2.5			3	2.5	2	2														
28.00	30.00	3			2	2.5		2	tr-1													
30.00	32.00	3			2	2.5		2														
32.00	34.00	2.5			3	2.5	2	2														
34.00	36.00	3			2	2.5		2	tr-1													
36.00	38.00	2.5			4	2.5	2	2														
38.00	40.00	2.5			4	3	2	2														
40.00	42.00	2.5			4	3	1	2.5	tr													
42.00	44.00	2.5			4	3	2	2.5	tr													
44.00	46.00	2.5			4	3	2	2.5	tr													
46.00	48.00	2.5			4	3	1	2.5	tr													
48.00	50.00	2.5			4	3	1	2.5	1-2													

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-221
Grid System : ORIGINAL
Collar Eastings : 19087.130
Collar Northings : 20908.650
Collar Elevations : 963.370
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 68.00
Claim No. :

Logged by : GORDON C. MacRAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	30.00	SEDS	Mixed cherty to silty sediments. Dominated by grey/green siltstone. Locally up to fine sandstone, volcanic derived?	027087	2.00	4.00	2.00	70.	328.	15.	460.	0.8
				027088	4.00	6.00	2.00	27.	56.	10.	370.	0.3
				027089	6.00	8.00	2.00	26.	63.	10.	430.	0.2
				027090	8.00	10.00	2.00	24.	72.	6.	220.	0.2
				027091	10.00	12.00	2.00	14.	81.	5.	200.	0.2
				027092	12.00	14.00	2.00	9.	44.	4.	250.	0.3
				027093	14.00	16.00	2.00	8.	49.	3.	280.	0.3
				027094	16.00	18.00	2.00	5.	22.	3.	300.	0.3
				027095	18.00	20.00	2.00	7.	73.	2.	230.	0.3
				027096	20.00	22.00	2.00	3.	64.	2.	130.	0.2
				027097	22.00	24.00	2.00	12.	126.	2.	200.	0.3
				027098	24.00	26.00	2.00	4.	78.	2.	250.	0.2
				027099	26.00	28.00	2.00	3.	261.	5.	350.	0.4
				027100	28.00	30.00	2.00	2.	507.	6.	330.	0.4
30.00	38.00	ARG	Black argillite, silty. Minor white quartz									
30.00	34.00		5% quartz feldspar porphyry.	027101	30.00	32.00	2.00	390.	1620.	6.	880.	0.5
			NOTE: at 30-32m; Weakly limonitic.	027102	32.00	34.00	2.00	240.	1436.	11.	1200.	0.4
				027103	34.00	36.00	2.00	11.	111.	7.	600.	0.7
36.00	38.00		40% Quartz feldspar porphyry. Bleached white with 5% disseminated pyrite.	027104	36.00	38.00	2.00	470.	2837.	13.	2000.	0.4
38.00	66.00	QFP	Bleached quartz feldspar intrusive. White/grey to light brown in in colour, medium to fine grained.									
38.00	40.00	ARG	5% Black pyritic argillite.	027105	38.00	40.00	2.00	270.	2546.	14.	1500.	0.2
				027106	40.00	42.00	2.00	120.	1121.	6.	900.	0.2
				027107	42.00	44.00	2.00	25.	176.	4.	680.	0.1
44.00	46.00		60% Weakly oxidized?	027108	44.00	46.00	2.00	230.	1160.	5.	750.	0.1
46.00	48.00	F*INT	70% Contains ~ fresh black biotite	027109	46.00	48.00	2.00	270.	851.	9.	600.	0.2
				027110	48.00	50.00	2.00	220.	832.	10.	2700.	0.6
				020111	50.00	52.00	2.00	580.	3063.	13.	1800.	0.2
				020112	52.00	54.00	2.00	11.	81.	8.	1100.	0.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCEC 90-221

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				027113	54.00	56.00	2.00	1120.	5499.	18.	2500.	0.3
56.00	64.00		weakly oxidized.	027114	56.00	58.00	2.00	44.	493.	23.	1800.	2.3
				027115	58.00	60.00	2.00	120.	881.	10.	820.	0.1
				027116	60.00	62.00	2.00	210.	1433.	12.	1300.	0.1
				027117	62.00	64.00	2.00	540.	4101.	18.	1400.	0.3
64.00	66.00	ARG	5% Black argillite.	027118	64.00	66.00	2.00	1010.	5279.	26.	1900.	0.4
66.00	68.00	ARG	Black silty argillite. 1% Pyrite. White quartz veining.	027119	66.00	68.00	2.00	2030.	4716.	32.	2300.	1.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-221
Grid System : ORIGINAL
Collar Eastings : 19087.130
Collar Northings : 20908.650
Collar Elevations : 963.370
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 68.00
Claim No. :

Logged by : GORDON C. MacKAY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00									
4.00	6.00									
6.00	8.00									
8.00	10.00									
10.00	12.00									
12.00	14.00									
14.00	16.00									
16.00	18.00									
18.00	20.00									
20.00	22.00									
22.00	24.00									
24.00	26.00									
26.00	28.00									
28.00	30.00									
30.00	32.00							1	2	
32.00	34.00							1	2	
34.00	36.00							1	2	
36.00	38.00							1	2	
38.00	40.00	2			2	3		1	3	
40.00	42.00	2			2	2.5			2	
42.00	44.00	2			2	2			tr	
44.00	46.00	2			2	2	.5		tr	
46.00	48.00	1			2	1			tr	
48.00	50.00	2			2	2			1	
50.00	52.00	2			2	2			1	
52.00	54.00	2			2	2			tr	
54.00	56.00	2			2	2.5			2	
56.00	58.00	2			2	2	.5		1	
58.00	60.00	2			2	2	.5		tr	
60.00	62.00	2			2	2	.5		tr	

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Sr %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-221

GEOCHEMICAL SAMPLES

FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
62.00	64.00	2			2	3	1			3
64.00	66.00	2			2	2.5	1			2
66.00	68.00							2		1

GEOTECHNICAL SAMPLES

FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

MORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-222
Grid System : ORIGINAL
Collar Eastings : 19046.370
Collar Northings : 20898.740
Collar Elevations : 964.970
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : NATALIE HACHEY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	4.00	INT	Light orange altered intrusive. Bleached biotite and quartz; minor oxides. Clay altered feldspars.	027120	2.00	4.00	2.00	11.	172.	7.	1400.	0.2
4.00	24.00	SEDS	Mixed orangy grey cherty to silty sediments.									
4.00	6.00	INT	Interval composed of 15% orange intrusive with bleached biotite. Contains 1% oxides.	027121	4.00	6.00	2.00	31.	441.	8.	6600.	0.1
				027122	6.00	8.00	2.00	13.	244.	5.	1200.	0.1
				027123	8.00	10.00	2.00	13.	78.	6.	720.	0.2
				027124	10.00	12.00	2.00	3.	63.	10.	520.	0.2
				027125	12.00	14.00	2.00	4.	80.	7.	530.	0.1
				027126	14.00	16.00	2.00	5.	112.	7.	490.	0.2
				027127	16.00	18.00	2.00	14.	228.	7.	470.	0.2
				027128	18.00	20.00	2.00	21.	284.	8.	320.	0.1
				027129	20.00	22.00	2.00	470.	727.	10.	330.	0.2
				027130	22.00	24.00	2.00	33.	388.	10.	836.	0.3
24.00	52.00	QFP	Light grey, quartz rich, feldspar porphyry with varying amounts of bleached biotite and pyrite.									
24.00	26.00	SEDS	50% Orangy grey silty sediments.	027131	24.00	26.00	2.00	560.	1660.	41.	6800.	2.1
				027132	26.00	28.00	2.00	530.	3517.	17.	860.	0.2
				027133	28.00	30.00	2.00	400.	2211.	12.	1100.	0.2
				027134	30.00	32.00	2.00	250.	893.	9.	950.	0.2
				027135	32.00	34.00	2.00	230.	1025.	9.	900.	0.2
				027136	34.00	36.00	2.00	720.	3607.	14.	1300.	0.4
				027137	36.00	38.00	2.00	1400.	6124.	21.	1500.	0.3
				027138	38.00	40.00	2.00	340.	1639.	12.	1100.	0.2
				027139	40.00	42.00	2.00	420.	2122.	13.	1400.	0.4
				027140	42.00	44.00	2.00	930.	4388.	15.	1500.	0.4
				027141	44.00	46.00	2.00	310.	1822.	10.	1400.	0.3
				027142	46.00	48.00	2.00	360.	2098.	8.	860.	0.1
				027143	48.00	50.00	2.00	250.	1038.	12.	1200.	0.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-222

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
50.00	52.00	ARG	30% Black argillite.	027144	50.00	52.00	2.00	12.	135.	9.	1300.	0.5

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-222
Grid System : ORIGINAL
Collar Eastings : 19046.370
Collar Northings : 20898.740
Collar Elevations : 964.970
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : NATALIE HACHEY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00						<1															
4.00	6.00	2.5				2.5	<1															
6.00	8.00	2.5				2.5		tr														
8.00	10.00							tr														
10.00	12.00																					
12.00	14.00																					
14.00	16.00																					
16.00	18.00																					
18.00	20.00																					
20.00	22.00																					
22.00	24.00																					
24.00	26.00	2			1	3	<1	tr		2												
26.00	28.00	2			2	3	<1	tr		4												
28.00	30.00	2			2	3	<1			4												
30.00	32.00	2			2	2.5				4												
32.00	34.00	2			2	2.5				4												
34.00	36.00	2			2	3				3												
36.00	38.00	2			2	3				5												
38.00	40.00	2			2	3				4												
40.00	42.00	2			2	2				2												
42.00	44.00	2			2	3	tr			5												
44.00	46.00	2			2	2				2												
46.00	48.00	2			2	2				2												
48.00	50.00	2			2	3				3												
50.00	52.00	2			2	3		tr		2												

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-223
Grid System : ORIGINAL
Collar Eastings : 19004.430
Collar Northings : 20886.840
Collar Elevations : 968.010
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 62.00
Claim No. :

Logged by : NATALIE HACHEY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	8.00	SED	Brownish grey siltstone, quartz stockwork slightly limonitic.	027145	2.00	4.00	2.00	36.	125.	5.	440.	0.3
				027146	4.00	6.00	2.00	26.	89.	2.	380.	0.2
6.00	8.00	INT	2% Orange, quartz rich, intrusive with altered feldspars.	027147	6.00	8.00	2.00	16.	62.	4.	560.	0.2
8.00	16.00	INT	Altered intrusive, light orange, quartz rich. Contains bleached biotite.	027148	8.00	10.00	2.00	10.	45.	4.	520.	0.3
				027149	10.00	12.00	2.00	7.	14.	4.	280.	0.2
12.00	16.00		Increased limonite content.	027150	12.00	14.00	2.00	9.	21.	2.	540.	0.2
				027151	14.00	16.00	2.00	3.	20.	3.	730.	0.1
16.00	28.00	SEDS	Brownish grey siltstone and argillite. Minor white quartz veining.									
16.00	18.00	INT	50% Altered intrusive.	027152	16.00	18.00	2.00	8.	41.	3.	560.	0.1
18.00	20.00	INT	5% Altered intrusive.	027153	18.00	20.00	2.00	10.	74.	2.	450.	0.3
				027154	20.00	22.00	2.00	9.	82.	2.	440.	0.2
				027155	22.00	24.00	2.00	5.	26.	2.	890.	0.3
				027156	24.00	26.00	2.00	5.	29.	4.	760.	0.3
26.00	28.00	INT	2% Altered intrusive. Increase in quartz veining in the argillite.	027157	26.00	28.00	2.00	4.	82.	3.	1300.	0.4
28.00	62.00	QFP	Light grey to orange quartz feldspar porphyry.									
28.00	32.00		2% Black argillite. Biotite in the intrusive is quite bleached. 1-2% Pyrite present.	027158	28.00	30.00	2.00	3.	437.	5.	1800.	0.3
				027159	30.00	32.00	2.00	200.	1333.	11.	4200.	0.4
32.00	38.00		5-8% Pyrite present.	027160	32.00	34.00	2.00	440.	2863.	15.	1500.	0.4
				027161	34.00	36.00	2.00	980.	4957.	21.	2400.	0.6
				027162	36.00	38.00	2.00	920.	3810.	19.	2200.	0.4
				027163	38.00	40.00	2.00	1350.	3560.	20.	2300.	0.4
40.00	52.00		Quartz feldspar porphyry is very oxidized.	027164	40.00	42.00	2.00	600.	2519.	18.	2500.	0.3
				027165	42.00	44.00	2.00	1250.	3449.	31.	3300.	0.4
				027166	44.00	46.00	2.00	1120.	4064.	30.	2800.	0.6
				027167	46.00	48.00	2.00	1540.	4608.	30.	3200.	0.7

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-223

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				027168	48.00	50.00	2.00	1920.	5971.	38.	2900.	0.6
				027169	50.00	52.00	2.00	2040.	5499.	26.	2800.	0.7
52.00	54.00		30% Black argillite.	027170	52.00	54.00	2.00	1930.	4158.	36.	4500.	1.0
54.00	56.00		Decrease in the amount of oxidation.	027171	54.00	56.00	2.00	3480.	7305.	22.	1300.	0.6
56.00	60.00		Intrusive lacks oxidation.	027172	56.00	58.00	2.00	3610.	8571.	28.	1800.	0.8
				027173	58.00	60.00	2.00	2320.	7870.	30.	1200.	0.4
60.00	62.00		10% Of the intrusive is oxidized.	027174	60.00	62.00	2.00	1700.	6267.	28.	1100.	0.4

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREMERY CREEK
HOLE No. : BCRC 90-223
Grid System : ORIGINAL
Collar Eastings : 19004.430
Collar Northings : 20886.840
Collar Elevations : 968.010
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 62.00
Claim No. :

Logged by : NATALIE HACHEY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sz %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.00	4.00																						
4.00	6.00							<1	tr														
6.00	8.00							<1	tr														
8.00	10.00	2			3	1		<1	tr														
10.00	12.00	2			3	1		2															
12.00	14.00	2			3	2		2															
14.00	16.00	2			3	2		3															
16.00	18.00	2			3	1		3	1														
18.00	20.00							1															
20.00	22.00							<1	tr														
22.00	24.00							<1	tr														
24.00	26.00							<1	1														
26.00	28.00							<1	2														
28.00	30.00							<1		<1													
30.00	32.00	2			3	1.5		<1	tr	2													
32.00	34.00	2			3	2		<1		5													
34.00	36.00	2			3	2		<1		8													
36.00	38.00	2			3	2		<1		5													
38.00	40.00	2			3	1.5		<1		2													
40.00	42.00	2			3	1.5		2	tr	2													
42.00	44.00	2			3	1.5		2		2													
44.00	46.00	2			3	1.5		2		2													
46.00	48.00	2			3	1.5		2		3													
48.00	50.00	2			3	1.5		2		3													
50.00	52.00	2			3	1.5		2		1													
52.00	54.00	2				1.5		3	tr	2													
54.00	56.00	2			3	2		1.5		4													
56.00	58.00	2			3	2		1		5													

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-223

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
58.00	60.00	2			3	2			5													
60.00	62.00	2			3	2	<1		5													

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-224
Grid System : ORIGINAL
Collar Eastings : 19032.440
Collar Northings : 20925.050
Collar Elevations : 967.270
Collar Bearing : 336.00
Grid Baseline : 66.00

Collar Inclination : -45.00
Grid Bearing : 156.00
Final Depth : 32.00
Claim No. :

Logged by : NATALIE HACHEY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	16.00	INT	Quartz feldspar porphyry with altered feldspar phenocrysts.									
2.00	4.00		Bleached biotite and rusty quartz present. 1% MnO2; oxidized magnetite?	027175	2.00	4.00	2.00	1160.	4186.	28.	2000.	0.3
4.00	6.00		3% Milky quartz; 5% oxides; 1% pyrite.	027176	4.00	6.00	2.00	2640.	6052.	29.	1800.	0.8
6.00	8.00		5% Oxides; 3% pyrite; 2% milky quartz.	027177	6.00	8.00	2.00	1870.	6986.	24.	1500.	0.4
8.00	12.00		Rusty quartz, MnO2 staining, 1% milky quartz and quartz eyes present.	027178	8.00	10.00	2.00	920.	4969.	23.	1200.	0.4
				027179	10.00	12.00	2.00	770.	4720.	24.	1400.	0.4
				027180	12.00	14.00	2.00	1120.	4524.	24.	1300.	0.3
14.00	16.00		Rusty quartz, MnO2 staining and 15% unoxidized quartz feldspar porphyry present.	027181	14.00	16.00	2.00	780.	5658.	21.	1200.	0.2
16.00	22.00	SEDS	Silty sediments and argillite.									
16.00	18.00		15% Oxidized quartz feldspar porphyry with 5% pyrite.	027182	16.00	18.00	2.00	210.	768.	17.	3300.	0.7
18.00	20.00		1% Oxidized quartz feldspar porphyry with 5% pyrite.	027183	18.00	20.00	2.00	36.	223.	18.	1600.	0.3
20.00	22.00		3% Oxidized quartz feldspar porphyry with quartz eyes.	027184	20.00	22.00	2.00	100.	389.	36.	1800.	0.5
22.00	30.00	QFP	Quartz feldspar porphyry.									
22.00	24.00		Minor oxides, 4% sulphides. Slightly orange in colour.	027185	22.00	24.00	2.00	1130.	2419.	25.	1500.	0.4
24.00	26.00		10-15% Unoxidized quartz feldspar porphyry which is beige in colour.	027186	24.00	26.00	2.00	1840.	4528.	36.	1400.	0.7
26.00	28.00		30-40% Unoxidized quartz feldspar porphyry which is beige in colour.	027187	26.00	28.00	2.00	2920.	6046.	44.	1300.	0.6
28.00	30.00		30% Sediments; 30% unoxidized quartz feldspar porphyry.	027188	28.00	30.00	2.00	1320.	3389.	33.	3400.	1.0
30.00	32.00	SEDS	Grey siltstone with 1% oxidized quartz feldspar porphyry.	027189	30.00	32.00	2.00	690.	900.	23.	1500.	1.3

PROPERTY : BREMERY CREEK
HOLE No. : BCRC 90-224
Grid System : ORIGINAL
Collar Eastings : 19032.440
Collar Northings : 20925.050
Collar Elevations : 967.270
Collar Bearing : 336.00
Grid Baseline : 66.00

Collar Inclination : -45.00
Grid Bearing : 156.00
Final Depth : 32.00
Claim No. :

Logged by : NATALIE HACHEY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00	2			1		0.5	2		
4.00	6.00	2			2		1	2		1
6.00	8.00	2			3		1	2		3
8.00	10.00	2			3		1	2		2
10.00	12.00	2			3		1	2		1
12.00	14.00	2			3		1	2		1
14.00	16.00	2			3		1.5	1		3
16.00	18.00	2					1.5	TR		3
18.00	20.00							TR	1	
20.00	22.00							TR		
22.00	24.00	2			2		2	1		5
24.00	26.00	2			2		2	1		4
26.00	28.00	2			2		2	1		5
28.00	30.00	2			2		2	1		5
30.00	32.00				3			TR	1	

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-225
Grid System : ORIGINAL
Collar Eastings : 18994.570
Collar Northings : 20912.860
Collar Elevations : 969.760
Collar Bearing : 336.00
Grid Baseline : 66.00

Collar Inclination : -45.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : NATALIE HACHEY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	10.00	INT	Limonitic quartz rich intrusive.									
2.00	4.00		Dark orange, predominately rusty quartz and MnO2 staining and red oxide.	027190	2.00	4.00	2.00	1510.	7187.	29.	1600.	0.4
4.00	8.00		Increasing milky white quartz with visible	027191	4.00	6.00	2.00	1570.	5760.	59.	1400.	0.4
			altered feldspars. Orange in colour.	027192	6.00	8.00	2.00	1720.	3036.	37.	1600.	0.4
8.00	10.00		5% Bluish grey quartz feldspar porphyry chips that are pyritic.	027193	8.00	10.00	2.00	1740.	3539.	39.	1700.	0.5
10.00	30.00	QFP	Bluish grey quartz feldspar porphyry with variable amounts of oxidation and sulphide content.									
10.00	12.00		50% Limonitic chips. Remnant biotite and pyrite in the quartz feldspar porphyry chips.	027194	10.00	12.00	2.00	1270.	4338.	22.	1400.	0.4
12.00	14.00		40% Limonitic oxidized chips.	027195	12.00	14.00	2.00	940.	5174.	33.	1200.	0.2
14.00	16.00		10% Limonitic oxidized chips.	027196	14.00	16.00	2.00	530.	2753.	14.	1300.	0.2
16.00	18.00		20% Limonitic oxidized chips.	027197	16.00	18.00	2.00	380.	1790.	13.	1100.	0.2
18.00	20.00		10% Limonitic oxidized chips.	027198	18.00	20.00	2.00	1140.	4638.	18.	1400.	0.2
20.00	22.00		15% Limonitic oxidized chips.	027199	20.00	22.00	2.00	2160.	6132.	21.	1600.	0.3
22.00	26.00		Quartz eyes and remnant biotite present.	027200	22.00	24.00	2.00	900.	3342.	18.	1300.	0.2
			60% Of the chips are oxidized.	027201	24.00	26.00	2.00	410.	1807.	17.	1200.	0.1
26.00	28.00		5% Weaky oxidized chips. Increase in the amount of pyrite.	027202	26.00	28.00	2.00	630.	2351.	18.	1300.	0.4
28.00	30.00		25% Argillite with quartz stockwork.	027203	28.00	30.00	2.00	820.	2755.	26.	1600.	0.4

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-225
Grid System : ORIGINAL
Collar Eastings : 18994.570
Collar Northings : 20912.860
Collar Elevations : 969.760
Collar Bearing : 336.00
Grid Baseline : 66.00

Collar Inclination : -45.00
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : NATALIE HACHEY
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES

FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00	2.5					2.5	4		
4.00	6.00	2					2.5	3		
6.00	8.00	2					2.5	2		
8.00	10.00	2					2.5	1		TR
10.00	12.00	2				2	2	1		1
12.00	14.00	2				2	2	TR		1
14.00	16.00	2				3	2	TR		1
16.00	18.00	2				3	2			1
18.00	20.00	2				3	2	TR		1
20.00	22.00	2				3	2	TR		1
22.00	24.00	1.5				3	1.5	TR		1
24.00	26.00	1.5				3	1.5	TR		1
26.00	28.00	1.5				3	1.5			3
28.00	30.00	1.5				3	1.5		1	2

GEOTECHNICAL SAMPLES

FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-226
Grid System : ORIGINAL
Collar Eastings : 18879.500
Collar Northings : 20803.200
Collar Elevations : 948.980
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 42.00
Claim No. :

Logged by : DAVE KELSCH
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	16.00	INT	Quartz rich limonitic intrusive.	027204	2.00	4.00	2.00	110.	669.	19.	1200.	0.1
				027205	4.00	6.00	2.00	40.	242.	9.	1100.	0.1
6.00	8.00		5% Bleached intrusive.	027206	6.00	8.00	2.00	47.	161.	7.	2200.	0.1
				027207	8.00	10.00	2.00	10.	104.	6.	1500.	0.1
10.00	12.00		20% Bleached grey intrusive; 5% pink intrusive.	027208	10.00	12.00	2.00	27.	619.	25.	1100.	0.1
				027209	12.00	14.00	2.00	51.	605.	23.	850.	0.3
				027210	14.00	16.00	2.00	16.	346.	19.	2000.	0.1
16.00	26.00	ARG	Black argillite.									
16.00	18.00		10% Limonitic intrusive.	027211	16.00	18.00	2.00	26.	208.	17.	680.	0.3
				027212	18.00	20.00	2.00	12.	85.	15.	520.	0.3
				027213	20.00	22.00	2.00	16.	88.	22.	1100.	2.0
22.00	24.00		10% Light grey quartz feldspar porphyry.	027214	22.00	24.00	2.00	11.	67.	42.	1050.	2.6
24.00	26.00		50% Light grey quartz feldspar porphyry.	027215	24.00	26.00	2.00	12.	76.	34.	900.	1.0
26.00	42.00	QFP	White to pink quartz feldspar porphyry.	027216	26.00	28.00	2.00	8.	92.	25.	560.	0.1
			Contains moderately altered feldspar	027217	28.00	30.00	2.00	8.	65.	19.	470.	0.1
			phenocrysts and 5% rusty intrusive.	027218	30.00	32.00	2.00	11.	57.	20.	380.	0.1
				027219	32.00	34.00	2.00	3.	52.	20.	560.	0.1
				027220	34.00	36.00	2.00	19.	193.	31.	580.	0.1
				027221	36.00	38.00	2.00	120.	573.	29.	660.	0.1
				027222	38.00	40.00	2.00	36.	218.	30.	720.	0.3
				027223	40.00	42.00	2.00	15.	156.	45.	1100.	0.6

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-226
Grid System : ORIGINAL
Collar Eastings : 18879.500
Collar Northings : 20803.200
Collar Elevations : 948.980
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 42.00
Claim No. :

Logged by : DAVE KELSCH
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2					2	2	2	1												
4.00	6.00	2					2	2	2	TR												
6.00	8.00	2					2	1	2	TR												
8.00	10.00	2			1		2	2	2	TR												
10.00	12.00	2					1.5	1	1	2												
12.00	14.00	2					2	2	2	TR												
14.00	16.00	2					2	2	1	TR												
16.00	18.00							1		2												
18.00	20.00									2												
20.00	22.00									3												
22.00	24.00									1												
24.00	26.00				1					1												
26.00	28.00	2.5			1		2	1	2	TR												
28.00	30.00	2			1		2	1	1	TR												
30.00	32.00	2			1		2	1	1	1												
32.00	34.00	2			1		2	1	1	TR												
34.00	36.00	2			1		2	1	1	TR-1												
36.00	38.00	2			1		2	1	2	1												
38.00	40.00	2			1		2	1	1	TR												
40.00	42.00	2			1		1	1	2	1												

BORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-227
Grid System : ORIGINAL
Collar Eastings : 18938.390
Collar Northings : 20825.260
Collar Elevations : 954.320
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 76.00
Claim No. :

Logged by : DAVE KELSCH
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	38.00	INT	Limonitic quartz rich intrusive.	027224	2.00	4.00	2.00	35.	305.	13.	1050.	0.2
				027225	4.00	6.00	2.00	37.	177.	21.	480.	0.2
				027226	6.00	8.00	2.00	14.	36.	17.	300.	0.2
				027227	8.00	10.00	2.00	4.	19.	13.	280.	0.2
				027228	10.00	12.00	2.00	6.	14.	13.	310.	0.2
				027229	12.00	14.00	2.00	3.	16.	12.	370.	0.3
12.00	16.00		10% Light grey intrusive.	027230	14.00	16.00	2.00	5.	29.	11.	540.	0.2
				027231	16.00	18.00	2.00	3.	18.	10.	360.	0.1
				027232	18.00	20.00	2.00	9.	31.	6.	510.	0.3
18.00	22.00		50% Bleached grey intrusive.	027233	20.00	22.00	2.00	2.	12.	5.	880.	0.2
				027234	22.00	24.00	2.00	5.	19.	7.	900.	0.1
22.00	24.00		10% Bleached grey intrusive.	027235	24.00	26.00	2.00	5.	23.	6.	1200.	0.2
24.00	26.00		50% Bleached grey intrusive.	027236	26.00	28.00	2.00	3.	35.	9.	630.	0.2
26.00	28.00		30% Pink quartz feldspar porphyry.	027237	28.00	30.00	2.00	13.	215.	18.	1100.	0.2
				027238	30.00	32.00	2.00	1.	8.	7.	290.	0.1
30.00	32.00		5% Grey bleached intrusive.	027239	32.00	34.00	2.00	5.	78.	11.	420.	0.1
32.00	34.00		20% Pink porphyry; 20% grey pyritic intrusive.	027240	34.00	36.00	2.00	14.	378.	20.	660.	0.4
36.00	38.00		30% Grey porphyry.	027241	36.00	38.00	2.00	1040.	2820.	25.	1100.	0.5
38.00	44.00	QFP	Grey, quartz and pyrite rich, intrusive. Minor pink staining (Hg?). Abundant yellow pyrite and silver pyrite in veins and blebs.	027242	38.00	40.00	2.00	1150.	4203.	26.	1200.	0.3
				027243	40.00	42.00	2.00	790.	3069.	21.	1100.	0.2
				027244	42.00	44.00	2.00	1870.	4107.	26.	1050.	0.7
44.00	62.00	INT	Limonitic, quartz rich, intrusive. Abundant rusty quartz and disseminated pyrite.									
44.00	46.00		25% Grey/white quartz feldspar porphyry.	027245	44.00	46.00	2.00	600.	1929.	30.	1200.	0.2
46.00	48.00		10% Grey/white quartz feldspar porphyry; 5% pink quartz feldspar porphyry.	027246	46.00	48.00	2.00	480.	1757.	25.	920.	0.2
				027247	48.00	50.00	2.00	720.	2430.	102.	1100.	0.3
48.00	56.00		15% Grey/white quartz feldspar porphyry.	027248	50.00	52.00	2.00	950.	2668.	394.	1400.	0.2
				027249	52.00	54.00	2.00	1460.	3490.	296.	1200.	0.4

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMERY CREEK
HOLE No. : BCRC 90-227

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				027250	54.00	56.00	2.00	200.	589.	79.	760.	0.1
56.00	58.00		15% Pink quartz feldspar porphyry.	027251	56.00	58.00	2.00	470.	1062.	43.	730.	0.3
58.00	62.00		20% Pink quartz feldspar porphyry; 20% white quartz feldspar porphyry.	027252	58.00	60.00	2.00	66.	225.	29.	620.	0.2
				027253	60.00	62.00	2.00	16.	469.	38.	750.	0.2
62.00	76.00	QFP	Unoxidized, white quartz feldspar porphyry with spotty disseminated pyrite.	027254	62.00	64.00	2.00	33.	131.	15.	660.	0.1
64.00	68.00		5% Pink quartz feldspar porphyry with white clay altered feldspar phenocrysts.	027255	64.00	66.00	2.00	24.	111.	19.	480.	0.1
				027256	66.00	68.00	2.00	12.	176.	20.	450.	0.1
68.00	70.00		Abundant disseminated pyrite; 10% rusty intrusive.	027257	68.00	70.00	2.00	350.	1620.	31.	700.	0.1
70.00	72.00		10% Rusty intrusive.	027258	70.00	72.00	2.00	43.	206.	15.	680.	0.2
72.00	74.00		10% Rusty intrusive; 20% pink intrusive.	027259	72.00	74.00	2.00	4.	30.	6.	630.	0.1
74.00	76.00		1% Rusty intrusive.	027260	74.00	76.00	2.00	15.	37.	5.	820.	0.1

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-227
Grid System : ORIGINAL
Collar Eastings : 18938.390
Collar Northings : 20825.260
Collar Elevations : 954.320
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 76.00
Claim No. :

Logged by : DAVE KELSCH
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Si %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.00	4.00	2			3	2	2	1		TR													
4.00	6.00	2			3	2	2	1		TR													
6.00	8.00	2			3	1.5	2	1.5		TR													
8.00	10.00	2			3	1.5	2	1.5		TR													
10.00	12.00	3			3	1.5	2	1.5		TR													
12.00	14.00	2.5			2	2.5	2	1.5		TR													
14.00	16.00	2.5			2	2	2	1.5		TR													
16.00	18.00	2.5			2	2	2	2		TR													
18.00	20.00	1			1	3	1	2.5		1													
20.00	22.00	2			1	3	1	3		1													
22.00	24.00	1			2	3	2	3		TR													
24.00	26.00	3			2	3	1	3		3													
26.00	28.00	2			2	2	1	2		TR													
28.00	30.00	1.5			3	2	3	2		TR													
30.00	32.00	2.5			2	3	2	3		TR													
32.00	34.00	2			1	2	1	2		1													
34.00	36.00	2			2	2	2	2		TR													
36.00	38.00	2			2	2	2	1.5		2													
38.00	40.00	2			1	3	1	3		3													
40.00	42.00	2			1	3		3		4													
42.00	44.00	2			1	3		3		3													
44.00	46.00	2.5			2	3	2	3		2													
46.00	48.00	2.5			1	3	2	3		2													
48.00	50.00	2.5			1	3	2	3		2													
50.00	52.00	2.5			1	3	2	3		2													
52.00	54.00	2.5			2	3	2	3		2													
54.00	56.00	2.5			1	3	2	3		2													
56.00	58.00	2			1	3	3	3		2													
58.00	60.00	2.5			1	3	2	3		2													
60.00	62.00	2.5			1	3	2	2		3													

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-227

GROCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
62.00	64.00	1.5			1	2	TR	1	TR													
64.00	66.00	1			2	1.5	TR	1.5	TR													
66.00	68.00	1			2	2	TR	2.5	3													
68.00	70.00	2			2	1.5	TR	1.5	TR													
70.00	72.00	1			2	1.5	TR	1	TR													
72.00	74.00	1			2	1.5	TR	1	TR													
74.00	76.00	1			2	1	TR	1	TR													

MORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-228
Grid System : ORIGINAL
Collar Eastings : 18961.960
Collar Northings : 20880.890
Collar Elevations : 965.130
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 62.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : HC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	8.00	INT	Limonitic, porphyritic intrusive. 90%	027261	2.00	4.00	2.00	35.	240.	12.	310.	0.1
			Rusty brown, 10% white intrusive with	027262	4.00	6.00	2.00	92.	432.	13.	900.	0.1
			minor disseminated pyrite. Abundant clay	027263	6.00	8.00	2.00	5.	36.	4.	780.	0.1
			altered feldspar phenocrysts.									
8.00	14.00	QFP	White quartz feldspar porphyry with minor	027264	8.00	10.00	2.00	3.	24.	6.	620.	0.1
			disseminated pyrite and 10% rusty	027265	10.00	12.00	2.00	4.	45.	18.	410.	0.2
			intrusive.									
12.00	14.00		Porphyry veined with pyrite.	027266	12.00	14.00	2.00	6.	495.	14.	400.	0.2
14.00	18.00	INT	Limonitic porphyritic intrusive with 5%	027267	14.00	16.00	2.00	9.	200.	13.	1100.	0.1
			clear and white quartz. Abundant rusty	027268	16.00	18.00	2.00	7.	181.	11.	460.	0.1
			brown clay.									
18.00	20.00	ARG	Dense, black, cherty argillite with	027269	18.00	20.00	2.00	14.	178.	9.	4200.	0.5
			abundant white quartz veining and 30%									
			rusty intrusive.									
20.00	30.00	INT	Limonitic porphyritic intrusive with	027270	20.00	22.00	2.00	3.	71.	6.	1600.	0.1
			abundant rusty and white quartz.	027271	22.00	24.00	2.00	7.	55.	5.	1800.	0.3
24.00	26.00		Minor black clay present.	027272	24.00	26.00	2.00	2.	61.	8.	1100.	0.1
				027273	26.00	28.00	2.00	2.	91.	10.	1400.	0.2
28.00	30.00		Minor disseminated pyrite. 10% White	027274	28.00	30.00	2.00	10.	179.	14.	1600.	0.3
			intrusive.									
30.00	46.00	QFP	White quartz feldspar porphyry with abund-									
			ant quartz and disseminated pyrite.									
30.00	32.00		10% Rusty quartz and intrusive.	027275	30.00	32.00	2.00	9.	201.	20.	1200.	0.1
32.00	34.00		80% Orange/brown quartz and intrusive.	027276	32.00	34.00	2.00	390.	1954.	21.	1300.	0.2
34.00	36.00		10% Rusty quartz and intrusive.	027277	34.00	36.00	2.00	280.	1485.	19.	1100.	0.1
36.00	38.00		Minor pink/red staining on white	027278	36.00	38.00	2.00	240.	1600.	22.	1400.	0.2
			intrusive. 10% Rusty quartz/intrusive.									
38.00	44.00		30% Rusty quartz and intrusive.	027279	38.00	40.00	2.00	180.	1805.	19.	1100.	0.1

PROPERTY : BREMNER CREEK
HOLE No. : BCRC 90-228

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				027280	40.00	42.00	2.00	170.	1129.	17.	1100.	0.2
				027281	42.00	44.00	2.00	110.	691.	15.	1050.	0.1
44.00	46.00		Increase in disseminated pyrite (5%).	027282	44.00	46.00	2.00	270.	1947.	16.	2200.	0.1
46.00	52.00	INT	Limonitic porphyritic intrusive. 20%	027283	46.00	48.00	2.00	290.	1579.	20.	1600.	0.1
			White pyrite rich quartz feldspar	027284	48.00	50.00	2.00	220.	1040.	20.	1300.	0.2
			porphyry.	027285	50.00	52.00	2.00	200.	1073.	13.	1100.	0.1
52.00	56.00	ARG	Black argillite with 30% rusty quartz and intrusive.	027286	52.00	54.00	2.00	230.	1313.	17.	1200.	0.1
54.00	56.00		10% White quartz feldspar porphyry.	027287	54.00	56.00	2.00	22.	260.	6.	660.	0.2
56.00	62.00	QFP	White quartz feldspar porphyry with a	027288	56.00	58.00	2.00	19.	313.	7.	820.	0.1
			trace of disseminated pyrite and mixed	027289	58.00	60.00	2.00	53.	382.	7.	800.	0.1
			with 5% rusty intrusive.	027290	60.00	62.00	2.00	66.	588.	5.	840.	0.1

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREMERY CREEK
HOLE No. : BCRC 90-228
Grid System : ORIGINAL
Collar Eastings : 18961.960
Collar Northings : 20880.090
Collar Elevations : 965.130
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 62.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sr %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	1.5			3	2	2	1.5	TR													
4.00	6.00	1.5			3	2	2	1.5	TR													
6.00	8.00	1.5			3	2	2	1.5	TR													
8.00	10.00	1			3	2	TR	1	TR													
10.00	12.00	1			3	2	TR	1	TR													
12.00	14.00	1			3	2	TR	2	2													
14.00	16.00	2.5			3	2	3	2														
16.00	18.00	3			3	2	3	2														
18.00	20.00				1			3														
20.00	22.00	2			3	2.5	2	2	TR													
22.00	24.00	2			3	2.5	2	2	TR													
24.00	26.00	2			3	2.5	2	2	TR													
26.00	28.00	2			3	2.5	2	2	TR													
28.00	30.00	2			3	2.5	2	2	1													
30.00	32.00	1.5			3	2	TR	1.5	2													
32.00	34.00	1.5			3	2	TR	1.5	2													
34.00	36.00	2			3	3	3	3	2													
36.00	38.00	2			3	3	1	1.5	2													
38.00	40.00	2			3	2	1	1.5	2													
40.00	42.00	2			3	2	1	2	2													
42.00	44.00	1.5			3	2	1	1.5	2													
44.00	46.00	1.5			3	2	1	1.5	5													
46.00	48.00	1.5			3	2	2	1.5	TR													
48.00	50.00	1.5			3	2	2	1.5	TR													
50.00	52.00	1.5				2	2	1.5	TR													
52.00	54.00							1.5	TR													

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-228

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
54.00	56.00				3			1.5		TR
56.00	58.00	1			3	2		1		TR
58.00	60.00	1			3	2		1		TR
60.00	62.00	1			3	2		1		TR

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-229
Grid System : ORIGINAL
Collar Eastings : 18969.440
Collar Northings : 20860.270
Collar Elevations : 964.700
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 64.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	14.00	INT	Limonitic porphyritic intrusive with abundant red and rusty quartz.	027291	2.00	4.00	2.00	100.	644.	10.	730.	0.1
				027292	4.00	6.00	2.00	190.	884.	9.	550.	0.1
6.00	12.00	QFP	30% White quartz rich intrusive with clear quartz eyes and minor disseminated pyrite.	027293	6.00	8.00	2.00	41.	147.	5.	300.	0.1
				027294	8.00	10.00	2.00	16.	85.	2.	460.	0.1
				027295	10.00	12.00	2.00	14.	236.	5.	1300.	0.1
12.00	14.00		40% Argillite.	027296	12.00	14.00	2.00	69.	1853.	20.	1100.	0.9
14.00	20.00	ARG	Black argillite.	027297	14.00	16.00	2.00	30.	301.	12.	1200.	0.7
				027298	16.00	18.00	2.00	55.	714.	31.	3300.	2.3
18.00	20.00		10% Rusty quartz and quartz rich intrusive.	027299	18.00	20.00	2.00	97.	610.	15.	480.	1.0
20.00	50.00	QFP	Grey/white, quartz feldspar porphyry.	027300	20.00	22.00	2.00	240.	1661.	22.	1200.	0.7
			Abundant white clay altered feldspar	027301	22.00	24.00	2.00	470.	3306.	27.	1100.	0.5
			phenocrysts and disseminated pyrite.	027302	24.00	26.00	2.00	1010.	3948.	22.	880.	0.6
			Contains 5% rusty quartz.	027303	26.00	28.00	2.00	120.	671.	12.	480.	0.1
28.00	32.00		Minor pyrite veins and pink staining	027304	28.00	30.00	2.00	34.	301.	12.	630.	0.5
			on the intrusive.	027305	30.00	32.00	2.00	40.	348.	16.	620.	0.3
32.00	36.00		Increase in the degree of oxidation;	027306	32.00	34.00	2.00	6.	117.	18.	420.	0.2
			absence of disseminated pyrite.	027307	34.00	36.00	2.00	33.	126.	14.	650.	0.2
36.00	40.00		40% Argillite. Intrusive has and abundance of pyrite.	027308	36.00	38.00	2.00	350.	1575.	27.	1050.	0.4
				027309	38.00	40.00	2.00	250.	1045.	20.	1200.	1.1
40.00	44.00		80% Dark grey quartz feldspar porphyry.	027310	40.00	42.00	2.00	35.	167.	15.	920.	0.3
				027311	42.00	44.00	2.00	220.	653.	18.	1400.	0.6
44.00	50.00		5% Black argillite; 10% mix of rusty quartz and limonitic intrusive.	027312	44.00	46.00	2.00	48.	415.	13.	4800.	0.3
				027313	46.00	48.00	2.00	30.	211.	11.	6500.	0.4
				027314	48.00	50.00	2.00	53.	686.	11.	8600.	0.4
50.00	52.00	ARG	Black argillite. 10% Mix of rusty quartz and limonitic intrusive.	027315	50.00	52.00	2.00	660.	803.	15.	1400.	0.8
52.00	64.00	QFP	Pink/white quartz feldspar porphyry.	027316	52.00	54.00	2.00	110.	333.	11.	2300.	0.6
			Contains 10% grey intrusive and abundant	027317	54.00	56.00	2.00	36.	330.	10.	1300.	0.7

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			disseminated pyrite. 5% Rusty quartz present.	027318	56.00	58.00	2.00	36.	376.	11.	1400.	0.5
				027319	58.00	60.00	2.00	66.	329.	6.	1600.	0.2
				027320	60.00	62.00	2.00	22.	83.	5.	1500.	0.2
				027321	62.00	64.00	2.00	26.	105.	7.	1100.	0.3

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BRENNERY CREEK
HOLE No. : BCRC 90-229
Grid System : ORIGINAL
Collar Eastings : 18969.440
Collar Northings : 20860.270
Collar Elevations : 964.700
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 64.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : BC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	1.5			3	2.5	3	2		TR												
4.00	6.00	1.5			3	2.5	3	2		TR												
6.00	8.00	1.5			3	2.5	3	2		TR												
8.00	10.00	1.5			3	2.5	3	2		TR												
10.00	12.00	1.5			3	2.5	3	2		TR												
12.00	14.00	1.5			1	2.5	3	2		TR												
14.00	16.00							1		TR												
16.00	18.00							1		TR												
18.00	20.00				1			1		TR												
20.00	22.00	2			3	2.5	TR	2		1												
22.00	24.00	2			3	2.5		2		3												
24.00	26.00	2			3	2.5		2		3												
26.00	28.00	2			3	2.5		2		3												
28.00	30.00	2			3	2.5		2		3												
30.00	32.00	2			3	2.5		2		2												
32.00	34.00	2.5			3	2.5		2		2												
34.00	36.00	2			3	2.5	1	2														
36.00	38.00	2			3	2.5		2		1												
38.00	40.00	2			3	2.5		1		2												
40.00	42.00	2			3	2.5		1		2												
42.00	44.00	2			3	2.5		1		2												
44.00	46.00	2			3	2.5	1	1.5		2												
46.00	48.00	2			3	2.5	1	1.5		2												
48.00	50.00	2			3	2.5	1	1.5		2												
50.00	52.00									TR												
52.00	54.00	1			1	2		1		2												
54.00	56.00	1			3	2		1		2												
56.00	58.00	1			3	2		1		2												
58.00	60.00	1			3	2		1		2												
60.00	62.00	1			3	2		1		2												
62.00	64.00	1			3	2		1		2												

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-238
Grid System : ORIGINAL
Collar Eastings : 18869.110
Collar Northings : 20852.890
Collar Elevations : 959.260
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 64.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	14.00	INT	Limonitic porphyritic intrusive with spotty disseminated pyrite and abundant rusty quartz.	027322	2.00	4.00	2.00	58.	691.	60.	1400.	0.3
				027323	4.00	6.00	2.00	38.	365.	27.	1500.	0.5
				027324	6.00	8.00	2.00	1180.	1826.	48.	2300.	0.4
				027325	8.00	10.00	2.00	3160.	3986.	151.	2000.	0.9
10.00	12.00		Abundant dark red quartz.	027326	10.00	12.00	2.00	2750.	4480.	148.	1500.	0.9
12.00	14.00		10% Black argillite. Abundant dark red quartz also present.	027327	12.00	14.00	2.00	6620.	6208.	216.	4800.	3.8
14.00	20.00	ARG	Black argillite with abundant white quartz veining.	027328	14.00	16.00	2.00	570.	1088.	122.	16000.	4.9
				027329	16.00	18.00	2.00	130.	471.	74.	8700.	2.8
				027330	18.00	20.00	2.00	190.	653.	68.	9200.	3.0
20.00	26.00	QFP	White, pyrite rich, quartz feldspar porphyry.									
20.00	22.00		40% Limonitic intrusive.	027331	20.00	22.00	2.00	4880.	7990.	392.	2100.	1.1
22.00	24.00		10% Limonitic intrusive.	027332	22.00	24.00	2.00	2300.	8394.	262.	2000.	0.7
24.00	26.00		40% Black argillite. 5% Limonitic intrusive.	027333	24.00	26.00	2.00	730.	2364.	66.	2800.	2.0
26.00	28.00	ARG	Black argillite with 10% rusty limonitic intrusive present.	027334	26.00	28.00	2.00	89.	1780.	371.	3600.	1.6
28.00	64.00	QFP	Pink/white quartz feldspar porphyry. 10-20% Rusty quartz and limonitic intrusive present. Abundant disseminated pyrite.	027335	28.00	30.00	2.00	96.	830.	82.	1200.	0.2
				027336	30.00	32.00	2.00	270.	1268.	30.	1100.	0.1
				027337	32.00	34.00	2.00	23.	538.	238.	1400.	0.1
34.00	36.00		Increase in oxidation. 60% Limonitic intrusive and rusty quartz.	027338	34.00	36.00	2.00	12.	490.	150.	1100.	0.1
				027339	36.00	38.00	2.00	780.	2332.	3093.	1600.	0.5
38.00	40.00		Stibnite veining. 2% Stibnite and kermesite.	027340	38.00	40.00	2.00	300.	3267.	2681.	1300.	0.3
40.00	46.00		50% Rusty orange quartz rich intrusive.	027341	40.00	42.00	2.00	810.	2975.	768.	1500.	0.1
				027342	42.00	44.00	2.00	220.	2003.	228.	2200.	0.2
				027343	44.00	46.00	2.00	670.	2321.	480.	2500.	0.5
46.00	52.00		2% Black argillite.	027344	46.00	48.00	2.00	690.	2196.	452.	2100.	0.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMNER CREEK
HOLE No. : BCRC 90-230

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				027345	48.00	50.00	2.00	890.	2719.	666.	2500.	0.1
				027346	50.00	52.00	2.00	910.	3118.	367.	2300.	0.3
52.00	56.00		20% Green/white quartz feldspar porphyry.	027347	52.00	54.00	2.00	450.	1672.	306.	1400.	0.2
				027348	54.00	56.00	2.00	99.	343.	70.	1100.	0.1
				027349	56.00	58.00	2.00	230.	1802.	45.	2400.	0.2
				027350	58.00	60.00	2.00	53.	193.	34.	1700.	0.1
				027351	60.00	62.00	2.00	41.	205.	40.	2200.	0.1
				027352	62.00	64.00	2.00	570.	3390.	34.	2700.	0.2

BORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-230
Grid System : ORIGINAL
Collar Eastings : 18869.110
Collar Northings : 20852.090
Collar Elevations : 959.260
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 64.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2.5			2	2.5	5	2		TR												
4.00	6.00	2.5			2	2.5	5	2		TR												
6.00	8.00	2.5			2	2.5	5	2		TR												
8.00	10.00	2.5			2	2.5	5	2		TR												
10.00	12.00	2.5			2	3	10	2.5		TR												
12.00	14.00	2.5			2	3	10	2.5		TR												
14.00	16.00							2.5		TR												
16.00	18.00							2.5		TR												
18.00	20.00							2.5		TR												
20.00	22.00	2			2	1.5	TR	1		2												
22.00	24.00	2			3	1.5	TR	1		2												
24.00	26.00	2			3	1.5	TR	1		2												
26.00	28.00				1					TR												
28.00	30.00	2			3	2	TR	1.5		1												
30.00	32.00	2			3	2	1	1.5		1												
32.00	34.00	2			3	2	1	1.5		1												
34.00	36.00	2			3	2	3	1.5		1												
36.00	38.00	2			3	2	1	1.5		1												
38.00	40.00	2			3	3	1	3		3												
40.00	42.00	2			3	3	3	3		1												
42.00	44.00	2			3	3	3	1.5		1												
44.00	46.00	2			3	2	3	1.5		1												
46.00	48.00	2			3	2	1	1.5		1												
48.00	50.00	2			3	2	1	1.5		1												
50.00	52.00	2			3	2	1	1.5		1												
52.00	54.00	2			3	2	1	1.5		1												
54.00	56.00	2			3	2	1	1.5		1												
56.00	58.00	2			3	2	1	1.5		1												
58.00	60.00	2			3	2	1	1		1												

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-230

GEOCHEMICAL SAMPLES

FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
60.00	62.00	2			3	2	1	1	1	
62.00	64.00	2			3	2	1	1	1	

GEOTECHNICAL SAMPLES

FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-231
Grid System : ORIGINAL
Collar Eastings : 18777.560
Collar Northings : 20852.230
Collar Elevations : 956.590
Collar Bearing : 999.99
Grid Baseline : 66.00

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 76.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	16.00	INT	Limonitic porphyritic intrusive with abundant deep red and rusty quartz. 10% White, pyrite rich, porphyritic intrusive.	027353	2.00	4.00	2.00	760.	2708.	31.	1200.	0.1
				027354	4.00	6.00	2.00	650.	3359.	37.	1300.	0.1
6.00	8.00			027355	6.00	8.00	2.00	290.	1262.	33.	1200.	0.1
				027356	8.00	10.00	2.00	250.	1223.	45.	1100.	0.2
				027357	10.00	12.00	2.00	380.	1466.	69.	1200.	0.1
				027358	12.00	14.00	2.00	590.	2407.	128.	1400.	0.1
				027359	14.00	16.00	2.00	1240.	4600.	140.	2100.	0.5
16.00	24.00	QFP	Orange/white quartz feldspar porphyry. 40% Light orange/yellow quartz. Minor disseminated pyrite.	027360	16.00	18.00	2.00	1120.	735.	220.	2600.	0.3
				027361	18.00	20.00	2.00	1180.	3222.	57.	1600.	0.4
20.00	22.00			027362	20.00	22.00	2.00	1320.	2901.	57.	1800.	0.1
				027363	22.00	24.00	2.00	2760.	1880.	103.	2800.	0.5
24.00	28.00	QFP	Dark grey quartz feldspar porphyry. 30% Dark red to orange quartz. Abundant disseminated pyrite.	027364	24.00	26.00	2.00	2830.	5761.	143.	2500.	0.6
				027365	26.00	28.00	2.00	2230.	4706.	401.	2700.	1.1
28.00	34.00	INT	Limonitic porphyritic intrusive with abundant deep red and rusty orange quartz. Spotty disseminated pyrite.	027366	28.00	30.00	2.00	1760.	3354.	1134.	2000.	0.8
				027367	30.00	32.00	2.00	630.	2700.	217.	1200.	0.2
32.00	34.00		30% White porphyritic intrusive with abundant disseminated pyrite.	027368	32.00	34.00	2.00	770.	2630.	97.	1100.	0.3
34.00	56.00	QFP	Pinkish white quartz feldspar porphyry with abundant disseminated blotches of limonite (altered pyrite?). 1-5% White quartz feldspar porphyry with a trace of disseminated pyrite. 30% White quartz feldspar porphyry with minor disseminated pyrite.	027369	34.00	36.00	2.00	140.	348.	138.	500.	0.1
				027370	36.00	38.00	2.00	39.	89.	31.	250.	0.2
				027371	38.00	40.00	2.00	120.	246.	62.	300.	0.1
				027372	40.00	42.00	2.00	56.	132.	29.	360.	0.3
				027373	42.00	44.00	2.00	46.	185.	27.	450.	0.3
44.00	46.00			027374	44.00	46.00	2.00	25.	94.	16.	400.	0.2
				027375	46.00	48.00	2.00	28.	135.	27.	510.	0.1
				027376	48.00	50.00	2.00	6.	92.	14.	540.	0.1
				027377	50.00	52.00	2.00	8.	88.	15.	520.	0.1
				027378	52.00	54.00	2.00	11.	152.	21.	1600.	0.1

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-231

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
54.00	58.00	DYKE	Aphanitic, brown, quartz rich dyke.	027379	54.00	56.00	2.00	3.	166.	35.	1900.	0.1
				027380	56.00	58.00	2.00	9.	158.	27.	3300.	0.1
58.00	76.00	QFP	Pinkish white to pinkish brown intrusive.	027381	58.00	60.00	2.00	5.	27.	7.	540.	0.1
			Contains abundant disseminated blotches	027382	60.00	62.00	2.00	9.	37.	11.	600.	0.3
			of limonite (altered pyrite?). 1-5%	027383	62.00	64.00	2.00	2.	23.	8.	890.	0.1
			White quartz feldspar porphyry with a	027384	64.00	66.00	2.00	11.	59.	13.	830.	0.2
			trace of disseminated pyrite.	027385	66.00	68.00	2.00	17.	62.	8.	750.	0.1
68.00	76.00		Increase in limonite content.	027386	68.00	70.00	2.00	14.	86.	9.	920.	0.1
				027387	70.00	72.00	2.00	7.	82.	11.	700.	0.3
				027388	72.00	74.00	2.00	2.	59.	6.	680.	0.1
				027389	74.00	76.00	2.00	19.	72.	9.	1200.	0.2

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BRENNERY CREEK
HOLE No. : BCRC 90-231
Grid System : ORIGINAL
Collar Eastings : 18777.560
Collar Northings : 20852.230
Collar Elevations : 956.590
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 76.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : BC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2.5			1	3	3	3														
4.00	6.00	2.5			1	3	3	3														
6.00	8.00	2.5			3	3	3	3	TR													
8.00	10.00	2.5			3	3	3	3														
10.00	12.00	2.5			3	3	3	3														
12.00	14.00	2.5			1	3	3	3														
14.00	16.00	2.5			1	3	3	3														
16.00	18.00	2			1	2.5	1	2														
18.00	20.00	2			1	2.5	1	2														
20.00	22.00	2			1	2.5	1	2	TR													
22.00	24.00	2			1	2.5	1	2														
24.00	26.00	2			1	2.5	1	2	2													
26.00	28.00	2			1	2.5	1	2	2													
28.00	30.00	2.5			1	3	3	3	TR													
30.00	32.00	2.5			1	3	3	3	TR													
32.00	34.00	2.5			1	3	3	3	1													
34.00	36.00	1.5			2	2	1	1														
36.00	38.00	1.5			2	2	1	1														
38.00	40.00	1.5			2	2	1	1														
40.00	42.00	1.5			2	2	1	1														
42.00	44.00	1.5			2	2	1	1														
44.00	46.00	1.5			2	2	1	1	TR													
46.00	48.00	1.5			2	2	1	1														
48.00	50.00	1.5			2	2	1	1														
50.00	52.00	1.5			2	2	1	1														
52.00	54.00	1.5			2	2	1	1														
54.00	56.00				2		5															
56.00	58.00				2		5															
58.00	60.00	1.5			2	1.5	1	1														
60.00	62.00	1.5			2	1.5	1	1														
62.00	64.00	1.5			2	1.5	1	1														
64.00	66.00	1.5			2	1.5	1	1														

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
66.00	68.00	1.5			2	1.5	1	1														
68.00	70.00	1.5			3	1.5	2	1														
70.00	72.00	1.5			3	1.5	2	1														
72.00	74.00	1.5			3	1.5	2	1														
74.00	76.00	1.5			3	1.5	2	1														

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-232
Grid System : ORIGINAL
Collar Eastings : 18927.030
Collar Northings : 20852.170
Collar Elevations : 959.480
Collar Bearing : 336.00
Grid Baseline : 66.00

Collar Inclination : -45.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	16.00	INT	Limonitic porphyritic intrusive with abundant orange to dark red quartz.	027390	2.00	4.00	2.00	47.	834.	25.	2400.	0.3
				027391	4.00	6.00	2.00	10.	128.	20.	960.	0.2
				027392	6.00	8.00	2.00	6.	147.	21.	1100.	0.4
8.00	10.00		5% Pink quartz feldspar porphyry.	027393	8.00	10.00	2.00	9.	319.	20.	1200.	0.3
				027394	10.00	12.00	2.00	1380.	2412.	35.	1400.	0.4
12.00	16.00		15% Pink and white quartz feldspar porphyry with disseminated pyrite.	027395	12.00	14.00	2.00	65.	249.	20.	1500.	0.1
				027396	14.00	16.00	2.00	14.	267.	37.	1300.	0.3
16.00	28.00	QFP	Dark grey to pinkish white quartz feldspar porphyry with abundant sericite and disseminated pyrite. 15% Rusty limonitic intrusive and red quartz.	027397	16.00	18.00	2.00	1010.	2641.	32.	2300.	0.6
				027398	18.00	20.00	2.00	1170.	3550.	77.	1600.	0.6
				027399	20.00	22.00	2.00	220.	1238.	38.	2000.	0.3
				027400	22.00	24.00	2.00	840.	4032.	32.	540.	0.4
				027401	24.00	26.00	2.00	28.	115.	12.	250.	0.2
				027402	26.00	28.00	2.00	11.	60.	22.	680.	0.2
28.00	34.00	QFP	White quartz feldspar porphyry. 10% Limonitic intrusive.	027403	28.00	30.00	2.00	8.	63.	17.	1500.	0.1
				027404	30.00	32.00	2.00	21.	98.	25.	2600.	0.2
				027405	32.00	34.00	2.00	8.	143.	19.	2400.	0.3
34.00	52.00	QFP	Pinkish white to pinkish brown quartz feldspar porphyry with abundant disseminated blotches of limonite (replacement of pyrite?). 10% Limonitic intrusive and orange quartz.	027406	34.00	36.00	2.00	6.	198.	16.	1200.	0.1
				027407	36.00	38.00	2.00	3.	153.	12.	1300.	0.1
				027408	38.00	40.00	2.00	2.	157.	25.	1200.	0.1
				027409	40.00	42.00	2.00	6.	119.	32.	870.	0.1
				027410	42.00	44.00	2.00	5.	340.	106.	830.	0.2
44.00	46.00		30% Red/orange quartz with spotty disseminated pyrite.	027411	44.00	46.00	2.00	1280.	2523.	58.	1200.	0.1
46.00	50.00		Abundant disseminated pyrite.	027412	46.00	48.00	2.00	280.	1091.	35.	700.	0.4
				027413	48.00	50.00	2.00	1610.	5550.	37.	1300.	0.4
50.00	52.00		Abundant disseminated pyrite; 50% rusty orange to red quartz.	027414	50.00	52.00	2.00	1520.	5661.	35.	1900.	0.4

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-232
Grid System : ORIGINAL
Collar Eastings : 18927.030
Collar Northings : 20852.170
Collar Elevations : 959.480
Collar Bearing : 336.00
Grid Baseline : 66.00

Collar Inclination : -45.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2			3	3	3	2.5														
4.00	6.00	2			3	3	3	2.5														
6.00	8.00	2			3	3	3	2.5														
8.00	10.00	2			3	2.5	3	2														
10.00	12.00	2			3	2.5	3	2														
12.00	14.00	2			3	2.5	3	2		TR												
14.00	16.00	2			3	2.5	3	2														
16.00	18.00	1.5			3	2.5	1	2														
18.00	20.00	1.5			3	2.5	1	2		1												
20.00	22.00	1.5			3	2.5	1	2		1												
22.00	24.00	1.5			3	2.5	1	2		1												
24.00	26.00	1.5			3	2.5	1	2		1												
26.00	28.00	1.5			3	2.5	1	2		1												
28.00	30.00	1.5			3	1.5	TR	1.5														
30.00	32.00	1.5			3	1.5	TR	1.5														
32.00	34.00	1.5			3	1.5	TR	1.5														
34.00	36.00	1.5			3	1.5	1	1.5														
36.00	38.00	1.5			3	1.5	1	1.5														
38.00	40.00	1.5			3	1.5	1	1.5														
40.00	42.00	1.5			3	1.5	1	1.5														
42.00	44.00	1.5			3	1.5	1	1.5														
44.00	46.00	1.5			3	1.5	1	2		TR												
46.00	48.00	1.5			3	1.5	1	1		1												
48.00	50.00	1.5			3	1.5	2	2		1												
50.00	52.00	1.5			3	1.5	1	1														

BORAMDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMERY CREEK
HOLE No. : BCRC 90-233
Grid System : ORIGINAL
Collar Eastings : 18821.970
Collar Northings : 20852.860
Collar Elevations : 957.570
Collar Bearing : 336.00
Grid Baseline : 66.00

Collar Inclination : -45.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	18.00	INT	Limonitic porphyritic intrusive with 15% red to orange quartz.	027415	2.00	4.00	2.00	650.	1710.	38.	1500.	0.1
				027416	4.00	6.00	2.00	340.	1378.	19.	540.	0.4
				027417	6.00	8.00	2.00	670.	2356.	40.	1100.	0.2
8.00	10.00		20% Yellow/white quartz feldspar porphyry.	027418	8.00	10.00	2.00	610.	1170.	49.	1500.	0.2
				027419	10.00	12.00	2.00	41.	260.	17.	390.	0.1
				027420	12.00	14.00	2.00	26.	590.	32.	280.	0.1
				027421	14.00	16.00	2.00	24.	495.	23.	330.	0.2
16.00	18.00		30% Black argillite.	027422	16.00	18.00	2.00	370.	1211.	24.	2500.	0.5
18.00	26.00	ARG	Black argillite with abundant white quartz veining.	027423	18.00	20.00	2.00	17.	354.	31.	2400.	2.6
				027424	20.00	22.00	2.00	17.	126.	23.	1700.	2.4
				027425	22.00	24.00	2.00	19.	78.	16.	1500.	1.4
24.00	26.00		10% Rusty intrusive.	027426	24.00	26.00	2.00	11.	43.	9.	1050.	0.5
26.00	38.00	QFP	White to pinkish brown quartz feldspar porphyry with spotty disseminated pyrite and abundant disseminated limonite blebs (replacing pyrite?). 10-30% Limonitic intrusive.	027427	26.00	28.00	2.00	8.	134.	14.	1000.	0.1
				027428	28.00	30.00	2.00	9.	61.	7.	2300.	0.3
				027429	30.00	32.00	2.00	5.	73.	5.	740.	0.2
				027430	32.00	34.00	2.00	7.	39.	6.	1100.	0.2
				027431	34.00	36.00	2.00	5.	22.	7.	880.	0.2
				027432	36.00	38.00	2.00	1.	7.	2.	750.	0.1
38.00	42.00	INT	Limonitic porphyritic intrusive with spotty disseminated pyrite and minor bleached biotite. 10% Green quartz feldspar porphyry.	027433	38.00	40.00	2.00	3.	20.	5.	560.	0.3
				027434	40.00	42.00	2.00	4.	26.	4.	1600.	0.2
42.00	52.00	F*INT	Blue/white to green/white quartz feldspar porphyry with abundant black biotite. 20% Limonitic intrusive.									
42.00	44.00		Abundant black biotite.	027435	42.00	44.00	2.00	1.	9.	4.	680.	0.2
44.00	50.00		Abundant bleached brown biotite; trace of black biotite.	027436	44.00	46.00	2.00	1.	2.	2.	320.	0.2
				027437	46.00	48.00	2.00	3.	12.	3.	500.	0.2
				027438	48.00	50.00	2.00	4.	2.	2.	260.	0.2

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMNER CREEK
HOLE No. : BCRC 90-233

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
50.00	52.00		Abundant black biotite with minor disseminated pyrite.	027439	50.00	52.00	2.00	5.	3.	3.	200.	0.2

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BRENNERY CREEK
HOLE No. : BCRC 90-233
Grid System : ORIGINAL
Collar Eastings : 18821.970
Collar Northings : 20852.860
Collar Elevations : 957.570
Collar Bearing : 336.00
Grid Baseline : 66.00

Collar Inclination : -45.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

PAGE : 1

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : HC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	1.5			3	2.5	3	2														
4.00	6.00	1.5			3	2.5	3	2														
6.00	8.00	1.5			3	2.5	3	2														
8.00	10.00	1.5			3	2.5	3	2														
10.00	12.00	1.5			3	2.5	3	2														
12.00	14.00	1.5			3	2.5	3	2														
14.00	16.00	1.5			3	2.5	3	2														
16.00	18.00	1.5			3	2.5	3	2														
18.00	20.00							2														
20.00	22.00							2														
22.00	24.00							2														
24.00	26.00				2			2														
26.00	28.00	1			3	1.5	1	1		TR												
28.00	30.00	1			3	1.5	1	1		TR												
30.00	32.00	1			3	1.5	1	1		TR												
32.00	34.00	1			3	1.5	1	1		TR												
34.00	36.00	1			3	1.5	1	1		TR												
36.00	38.00	1			3	1.5	1	1		TR												
38.00	40.00	1.5			3	1.5	3	2		TR												
40.00	42.00	1.5			3	1.5	3	2														
42.00	44.00	1.5			3	1.5	1	1.5														
44.00	46.00	1.5			3	1	1	1.5														
46.00	48.00	1.5			3	1	1	1.5														
48.00	50.00	1.5			3	1	1	1.5														
50.00	52.00	1.5			3		1	1.5		TR												

MORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-234
Grid System : ORIGINAL
Collar Eastings : 18786.670
Collar Northings : 20826.960
Collar Elevations : 951.280
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	52.00	ARG	Dense, black, cherty argillite. Abundant white quartz veining.	027440	2.00	4.00	2.00	47.	203.	27.	5400.	0.7
				027441	4.00	6.00	2.00	41.	85.	19.	11000.	0.8
6.00	8.00		Rusty staining on fracture surfaces.	027442	6.00	8.00	2.00	26.	403.	94.	14000.	1.2
				027443	8.00	10.00	2.00	88.	354.	76.	11000.	1.6
				027444	10.00	12.00	2.00	260.	151.	42.	6600.	2.0
				027445	12.00	14.00	2.00	99.	405.	86.	11000.	2.5
				027446	14.00	16.00	2.00	72.	135.	42.	7200.	1.3
				027447	16.00	18.00	2.00	110.	302.	69.	5100.	1.7
				027448	18.00	20.00	2.00	480.	97.	88.	11000.	2.4
				027449	20.00	22.00	2.00	99.	208.	149.	10400.	1.9
				027450	22.00	24.00	2.00	47.	203.	157.	9600.	1.3
				027451	24.00	26.00	2.00	6.	346.	383.	11000.	2.4
				027452	26.00	28.00	2.00	9.	349.	291.	6500.	2.1
				027453	28.00	30.00	2.00	39.	342.	324.	12000.	3.2
				027454	30.00	32.00	2.00	22.	323.	375.	13000.	3.5
				027455	32.00	34.00	2.00	26.	375.	423.	12000.	4.1
				027456	34.00	36.00	2.00	11.	227.	298.	9600.	4.2
				027457	36.00	38.00	2.00	14.	309.	355.	17000.	4.2
				027458	38.00	40.00	2.00	120.	120.	145.	7600.	2.5
				027459	40.00	42.00	2.00	100.	318.	320.	10600.	3.1
				027460	42.00	44.00	2.00	93.	259.	253.	16000.	3.1
				027461	44.00	46.00	2.00	18.	84.	74.	12000.	2.4
				027462	46.00	48.00	2.00	8.	63.	63.	6700.	1.1
				027463	48.00	50.00	2.00	4.	158.	229.	6900.	1.1
				027464	50.00	52.00	2.00	22.	96.	169.	12000.	2.3

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-234
Grid System : ORIGINAL
Collar Eastings : 18786.670
Collar Northings : 20826.960
Collar Elevations : 951.280
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00							2														
4.00	6.00							2														
6.00	8.00							2														
8.00	10.00						TR	2														
10.00	12.00							2														
12.00	14.00							2														
14.00	16.00							2														
16.00	18.00							2														
18.00	20.00							2														
20.00	22.00							2														
22.00	24.00							2														
24.00	26.00							2														
26.00	28.00							2														
28.00	30.00							2														
30.00	32.00							2														
32.00	34.00							2														
34.00	36.00							2														
36.00	38.00							2														
38.00	40.00							2														
40.00	42.00							2														
42.00	44.00							2														
44.00	46.00							2														
46.00	48.00							2														
48.00	50.00							2														
50.00	52.00							2														

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-235
Grid System : ORIGINAL
Collar Eastings : 18834.850
Collar Northings : 20825.850
Collar Elevations : 953.830
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	8.00	INT	Limonitic porphyritic intrusive with 10% rusty quartz.	027465	2.00	4.00	2.00	62.	1033.	31.	2100.	0.5
4.00	6.00		40% Black argillite.	027466	4.00	6.00	2.00	22.	666.	43.	12000.	3.4
				027467	6.00	8.00	2.00	56.	1085.	79.	4600.	2.4
8.00	52.00	ARG	Dense, black, cherty argillite with abundant white quartz veining.	027468	8.00	10.00	2.00	10.	351.	114.	8200.	4.5
				027469	10.00	12.00	2.00	19.	205.	109.	7600.	4.7
				027470	12.00	14.00	2.00	1.	186.	65.	6300.	5.0
				027471	14.00	16.00	2.00	1.	173.	56.	12000.	3.7
				027472	16.00	18.00	2.00	1.	125.	51.	11000.	2.0
				027473	18.00	20.00	2.00	1.	115.	39.	7300.	2.9
				027474	20.00	22.00	2.00	6.	163.	66.	12000.	2.4
				027475	22.00	24.00	2.00	5.	164.	57.	6300.	2.6
				027476	24.00	26.00	2.00	40.	218.	58.	6500.	2.1
				027477	26.00	28.00	2.00	330.	455.	79.	11000.	3.7
				027478	28.00	30.00	2.00	780.	830.	65.	4600.	1.8
				027479	30.00	32.00	2.00	240.	285.	50.	5100.	1.3
				027480	32.00	34.00	2.00	480.	250.	34.	4500.	0.8
				027481	34.00	36.00	2.00	52.	94.	32.	4100.	0.5
				027482	36.00	38.00	2.00	58.	55.	23.	5200.	0.4
				027483	38.00	40.00	2.00	20.	64.	20.	5800.	0.3
				027484	40.00	42.00	2.00	14.	73.	19.	4900.	0.4
				027485	42.00	44.00	2.00	16.	38.	16.	3500.	0.1
				027486	44.00	46.00	2.00	34.	69.	16.	4300.	0.4
				027487	46.00	48.00	2.00	280.	111.	28.	5900.	0.4
				027488	48.00	50.00	2.00	170.	119.	28.	5200.	0.5
				027489	50.00	52.00	2.00	240.	136.	35.	4900.	1.2

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-235
Grid System : ORIGINAL
Collar Eastings : 18834.850
Collar Northings : 20825.850
Collar Elevations : 953.030
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.00	4.00	1.5					2	3	2														
4.00	6.00	1.5					2	3	2														
6.00	8.00	1.5					2	3	2														
8.00	10.00								2														
10.00	12.00								2														
12.00	14.00								2														
14.00	16.00								2														
16.00	18.00				1				2														
18.00	20.00				1				2														
20.00	22.00				2				2														
22.00	24.00				2				2														
24.00	26.00				2				2														
26.00	28.00				2				2														
28.00	30.00				2				2														
30.00	32.00				2				2														
32.00	34.00				2				2														
34.00	36.00				2				2														
36.00	38.00				2				2														
38.00	40.00				2				2														
40.00	42.00				2				2														
42.00	44.00				2				2														
44.00	46.00				2				2														
46.00	48.00				2				2														
48.00	50.00				2				2														
50.00	52.00				2				2														

MORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

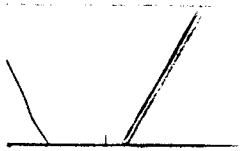
PAGE : 1

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-236
Grid System : ORIGINAL
Collar Eastings : 18766.130
Collar Northings : 20877.900
Collar Elevations : 961.480
Collar Bearing : 999.99
Grid Baseline : 66.80

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 60.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : NC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	8.00	INT	Limonitic, quartz rich, intrusive with 20% black argillite.	027490	2.00	4.00	2.00	590.	1429.	58.	1200.	0.2
				027491	4.00	6.00	2.00	13.	86.	20.	1100.	0.1
				027492	6.00	8.00	2.00	1.	76.	29.	1600.	0.6
8.00	10.00	ARG	Black silty argillite.	027493	8.00	10.00	2.00	1.	43.	30.	1700.	1.7
10.00	12.00	INT	Limonitic, quartz rich intrusive with 40% black argillite.	027494	10.00	12.00	2.00	15.	49.	27.	830.	1.4
12.00	24.00	ARG	Black cherty argillite with 10% rusty quartz and intrusive.	027495	12.00	14.00	2.00	1.	55.	50.	650.	1.9
14.00	16.00		40% Rusty quartz and intrusive.	027496	14.00	16.00	2.00	10.	28.	26.	600.	1.1
16.00	18.00		10% Rusty quartz and intrusive.	027497	16.00	18.00	2.00	2.	40.	29.	1100.	1.5
				027498	18.00	20.00	2.00	3.	52.	28.	1400.	1.1
				027499	20.00	22.00	2.00	4.	73.	30.	1800.	2.1
22.00	24.00		20% Rusty quartz and intrusive.	027500	22.00	24.00	2.00	2.	149.	39.	3200.	1.8
24.00	30.00	QFP	White quartz feldspar intrusive with abundant disseminated pyrite.									
24.00	26.00		20% Black argillite; 40% limonitic intrusive.	027501	24.00	26.00	2.00	2.	412.	32.	2600.	1.3
				027502	26.00	28.00	2.00	9.	76.	15.	1200.	0.3
28.00	30.00		40% Limonitic intrusive; 5% argillite.	027503	28.00	30.00	2.00	36.	113.	17.	1400.	0.5
30.00	34.00	ARG	Black argillite with 30% white and rusty intrusive.	027504	30.00	32.00	2.00	19.	126.	16.	2300.	1.6
				027505	32.00	34.00	2.00	1.	136.	24.	1300.	2.0
34.00	50.00	INT	Limonitic, quartz rich, porphyritic intrusive with abundant orange quartz.									
34.00	36.00		2% Black argillite.	027506	34.00	36.00	2.00	18.	39.	12.	1100.	0.3
				027507	36.00	38.00	2.00	8.	20.	7.	460.	0.3
				027508	38.00	40.00	2.00	7.	43.	6.	650.	0.1
				027509	40.00	42.00	2.00	5.	138.	8.	600.	0.1
				027510	42.00	44.00	2.00	7.	78.	8.	490.	0.1



PROPERTY : BREMNER CREEK
HOLE No. : BCRC 90-236

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				027511	44.00	46.00	2.00	1.	71.	9.	640.	0.2
				027512	46.00	48.00	2.00	10.	25.	6.	460.	0.1
48.00	50.00		5% Green porphyritic intrusive.	027513	48.00	50.00	2.00	7.	13.	4.	330.	0.1
50.00	60.00	F*INT	Green quartz feldspar porphyry with abundant silvery/white sericite and white feldspar phenocrysts. Trace of black biotite present. 10% Rusty quartz.	027514	50.00	52.00	2.00	1.	11.	5.	260.	0.1
				027515	52.00	54.00	2.00	3.	15.	6.	280.	0.1
54.00	56.00		Abundant black biotite altering to silver white sericite.	027516	54.00	56.00	2.00	3.	12.	5.	380.	0.4
				027517	56.00	58.00	2.00	3.	15.	4.	280.	0.1
				027518	58.00	60.00	2.00	4.	25.	6.	300.	0.1

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-236
Grid System : ORIGINAL
Collar Eastings : 18766.130
Collar Northings : 20877.900
Collar Elevations : 961.480
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 60.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	GEOTECHNICAL SAMPLES Reco-very %	Lim %	Break-age	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	1.5				2	3	1.5														
4.00	6.00	1.5				2	3	1.5														
6.00	8.00	1.5				2	3	1.5														
8.00	10.00																					
10.00	12.00	1.5				2	3	1.5														
12.00	14.00																					
14.00	16.00																					
16.00	18.00																					
18.00	20.00																					
20.00	22.00																					
22.00	24.00																					
24.00	26.00	1			2	1.5	TR	1.5	1													
26.00	28.00	1			2	1.5	TR	1.5	1													
28.00	30.00	1			2	1.5	TR	1.5	1													
30.00	32.00																					
32.00	34.00																					
34.00	36.00	2.5			2	2.5	3	2.5														
36.00	38.00	2.5			2	2.5	3	2.5														
38.00	40.00	2.5			2	2.5	3	2.5														
40.00	42.00	2.5			2	2.5	3	2.5														
42.00	44.00	2.5			2	2.5	3	2.5														
44.00	46.00	2.5			2	2.5	3	2.5														
46.00	48.00	2.5			2	2.5	3	2.5														
48.00	50.00	2.5			3	2.5	3	2.5														
50.00	52.00				3																	
52.00	54.00				3																	
54.00	56.00				3																	

DIAMOND DRILL LOG

PROPERTY : BREMNER CREEK
HOLE No. : BCRC 90-236

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	GEOTECHNICAL SAMPLES Reco-very %	Lim %	Break-age	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
56.00	58.00				3																	
58.00	60.00				3																	

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-237
Grid System : ORIGINAL
Collar Eastings : 18835.800
Collar Northings : 20478.500
Collar Elevations : 861.400
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 46.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	4.00	INT	Limonitic quartz rich intrusive.	027519	2.00	4.00	2.00	39.	33.	61.	1200.	0.5
4.00	8.00	ARG	Black silty argillite with 10% rusty intrusive.	027520	4.00	6.00	2.00	13.	18.	15.	1300.	0.4
				027521	6.00	8.00	2.00	15.	28.	20.	3200.	0.7
8.00	14.00	INT	Limonitic quartz rich intrusive with 40% black cherty argillite.	027522	8.00	10.00	2.00	13.	38.	21.	460.	0.1
				027523	10.00	12.00	2.00	23.	151.	20.	380.	0.7
				027524	12.00	14.00	2.00	290.	547.	40.	1500.	1.2
14.00	16.00	ARG	Dense black cherty argillite.	027525	14.00	16.00	2.00	110.	86.	30.	460.	0.7
16.00	20.00	INT	Limonitic quartz rich intrusive with 30% black argillite.	027526	16.00	18.00	2.00	22.	39.	18.	480.	0.5
				027527	18.00	20.00	2.00	16.	12.	13.	290.	0.2
20.00	22.00	ARG	Dense black cherty argillite.	027528	20.00	22.00	2.00	21.	59.	12.	270.	0.6
22.00	28.00	INT	Limonitic quartz rich intrusive with 20% black argillite.	027529	22.00	24.00	2.00	8.	109.	35.	380.	0.3
24.00	26.00		10% Dark red intrusive; 10% black argillite.	027530	24.00	26.00	2.00	15.	115.	18.	460.	0.5
26.00	28.00		40% Black argillite.	027531	26.00	28.00	2.00	16.	56.	19.	1050.	1.9
28.00	46.00	ARG	Black argillite with minor grey shale.									
28.00	38.00		10% Rusty intrusive.	027532	28.00	30.00	2.00	12.	22.	9.	400.	0.5
				027533	30.00	32.00	2.00	9.	25.	7.	330.	0.8
				027534	32.00	34.00	2.00	8.	19.	11.	380.	1.0
				027535	34.00	36.00	2.00	8.	14.	6.	220.	0.6
				027536	36.00	38.00	2.00	7.	11.	4.	240.	0.6
				027537	38.00	40.00	2.00	8.	13.	3.	260.	0.6
				027538	40.00	42.00	2.00	2.	10.	2.	200.	0.4
				027539	42.00	44.00	2.00	4.	9.	3.	140.	0.4
				027540	44.00	46.00	2.00	4.	12.	2.	130.	0.4

BORNITE EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-237
Grid System : ORIGINAL
Collar Eastings : 18835.800
Collar Northings : 20478.500
Collar Elevations : 861.400
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 46.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2			1	2	3	2														
4.00	6.00				3																	
6.00	8.00	2			3	2	3	2														
8.00	10.00	2			3	2	3	2														
10.00	12.00	2			3	2	3	2														
12.00	14.00	2			3	2	3	2														
14.00	16.00				2																	
16.00	18.00	2			3	2	3	1.5														
18.00	20.00	2			3	2	3	1.5														
20.00	22.00				3																	
22.00	24.00	2			3	2	3	1.5														
24.00	26.00	2			3	2.5	3	2														
26.00	28.00	2			3	2	3	1.5														
28.00	30.00				2																	
30.00	32.00				1																	
32.00	34.00																					
34.00	36.00																					
36.00	38.00																					
38.00	40.00																					
40.00	42.00																					
42.00	44.00																					
44.00	46.00																					

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-238
Grid System : ORIGINAL
Collar Eastings : 18835.130
Collar Northings : 20451.090
Collar Elevations : 854.280
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	12.00	SEDS	Black silty shale, argillite, and minor grey mudstone. Intense quartz veining.									
2.00	12.00		40% Rusty, white and clear quartz with minor red vuggy quartz. Minor tarnished pyrite in rusty quartz, may be highly altered limonitic intrusive?	027541	2.00	4.00	2.00	3840.	4041.	3989.	10000.	12.0
				027542	4.00	6.00	2.00	95.	157.	439.	22000.	4.1
				027543	6.00	8.00	2.00	56.	84.	114.	5200.	3.8
				027544	8.00	10.00	2.00	45.	87.	123.	6400.	5.0
				027545	10.00	12.00	2.00	78.	94.	145.	5000.	3.6
12.00	24.00	ARG	Black argillite.									
12.00	14.00		10% White quartz.	027546	12.00	14.00	2.00	36.	120.	66.	13000.	3.5
				027547	14.00	16.00	2.00	25.	98.	60.	11000.	3.0
				027548	16.00	18.00	2.00	14.	90.	49.	5100.	3.1
18.00	20.00		5% White and red quartz.	027549	18.00	20.00	2.00	15.	45.	29.	1300.	1.4
				027550	20.00	22.00	2.00	6.	47.	32.	4400.	1.5
22.00	24.00		10% White and rusty quartz.	027551	22.00	24.00	2.00	8.	77.	39.	6800.	2.1
24.00	26.00	INT	Limonitic quartz rich intrusive with 60% white/orange/rusty red quartz. 20% Argillite.	027552	24.00	26.00	2.00	11.	144.	27.	1600.	1.2
26.00	28.00	ARG	Black argillite with 40% rusty quartz and intrusive.	027553	26.00	28.00	2.00	15.	50.	25.	1200.	1.3
28.00	32.00	INT	Limonitic quartz rich intrusive. 40% Brecciated argillite.	027554	28.00	30.00	2.00	10.	39.	13.	210.	0.5
				027555	30.00	32.00	2.00	12.	39.	15.	420.	0.4
32.00	36.00	ARG	Brecciated black argillite with abundant fine quartz stockwork. 30% Rusty white and red quartz (highly altered limonitic intrusive?).	027556	32.00	34.00	2.00	5.	23.	11.	280.	0.4
				027557	34.00	36.00	2.00	28.	35.	22.	600.	0.5
36.00	44.00	INT	Limonitic quartz rich intrusive with 50% white/yellow and rusty quartz.									

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-238

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
36.00	40.00		20% Brecciated and veined black argillite.	027558	36.00	38.00	2.00	6.	30.	25.	460.	0.5
				027559	38.00	40.00	2.00	4.	43.	15.	380.	0.6
40.00	42.00		40% Brecciated and veined black argillite.	027560	40.00	42.00	2.00	11.	69.	31.	1300.	3.5
42.00	44.00		5% Black argillite.	027561	42.00	44.00	2.00	1.	36.	22.	430.	0.5
44.00	46.00	SEDS	Mixed sediments. Black shale/argillite and mudstone; 10% rusty quartz.	027562	44.00	46.00	2.00	2.	23.	22.	280.	0.3
46.00	50.00	ARG	Black, silty argillite with minor grey shale and abundant white quartz veining.	027563	46.00	48.00	2.00	3.	19.	16.	600.	0.3
				027564	48.00	50.00	2.00	5.	38.	14.	1100.	1.2

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-238
Grid System : ORIGINAL
Collar Eastings : 18835.130
Collar Northings : 20451.090
Collar Elevations : 854.280
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : HC

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00						1	3		TR
4.00	6.00						1	3		TR
6.00	8.00						1	3		TR
8.00	10.00						1	3		TR
10.00	12.00						1	3		TR
12.00	14.00				2			2		
14.00	16.00				2			2		
16.00	18.00				2			2		
18.00	20.00				2			2		
20.00	22.00				2			2		
22.00	24.00				2			2		
24.00	26.00	2			3	3	2	3		TR
26.00	28.00				3			3		TR
28.00	30.00	2			3	3	2	3		TR
30.00	32.00				3		2	3		
32.00	34.00				3		1	3		
34.00	36.00				3		1	3		
36.00	38.00	2			3	3	2	3		TR
38.00	40.00	2			3	3	2	3		TR
40.00	42.00	2			3	3	2	3		TR
42.00	44.00	2			3	3	2	3		TR
44.00	46.00				3		TR	2		
46.00	48.00				3			2		
48.00	50.00				1			2		

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-239
Grid System : ORIGINAL
Collar Eastings : 18833.900
Collar Northings : 20429.980
Collar Elevations : 847.100
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 58.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	36.00	ARG	Black argillite with abundant white/grey and rusty quartz.	027565	2.00	4.00	2.00	130.	848.	430.	7300.	3.1
4.00	6.00		Minor white clay and limonitic staining.	027566	4.00	6.00	2.00	1700.	2083.	517.	8500.	7.9
				027567	6.00	8.00	2.00	380.	842.	373.	17000.	7.8
				027568	8.00	10.00	2.00	24.	206.	105.	7200.	4.3
				027569	10.00	12.00	2.00	21.	91.	88.	8300.	4.0
				027570	12.00	14.00	2.00	22.	90.	81.	3300.	3.0
				027571	14.00	16.00	2.00	18.	144.	79.	11000.	2.6
				027572	16.00	18.00	2.00	7.	84.	97.	7000.	1.9
				027573	18.00	20.00	2.00	1.	61.	56.	3700.	3.8
				027574	20.00	22.00	2.00	3.	75.	52.	3400.	4.4
				027575	22.00	24.00	2.00	4.	57.	31.	2200.	3.6
24.00	26.00		30% Rusty/white and yellow quartz.	027576	24.00	26.00	2.00	15.	69.	58.	2300.	1.6
				027577	26.00	28.00	2.00	14.	62.	78.	3500.	2.5
				027578	28.00	30.00	2.00	7.	66.	38.	2900.	1.2
30.00	36.00		20% Light grey shale.	027579	30.00	32.00	2.00	6.	53.	38.	4400.	1.4
			NOTE: at 30-32m; Intense quartz veining in argillite.	027580	32.00	34.00	2.00	8.	44.	28.	2500.	1.4
				027581	34.00	36.00	2.00	4.	28.	19.	880.	0.9
36.00	42.00	SEDS	Light grey shale, green shale and minor black shale and black argillite.	027582	36.00	38.00	2.00	5.	20.	13.	320.	0.1
				027583	38.00	40.00	2.00	4.	29.	15.	260.	0.4
40.00	42.00		20% Rusty red and white quartz.	027584	40.00	42.00	2.00	9.	43.	22.	410.	0.8
42.00	48.00	INT	Limonitic quartz rich intrusive. Abundant quartz with minor disseminated pyrite.									
42.00	44.00		40% Shale.	027585	42.00	44.00	2.00	5.	23.	13.	730.	0.2
				027586	44.00	46.00	2.00	3.	56.	24.	400.	0.2
				027587	46.00	48.00	2.00	3.	61.	24.	330.	0.8
48.00	54.00	ARG	Black argillite.									
48.00	50.00		30% Rusty red/orange and yellow quartz.	027588	48.00	50.00	2.00	4.	33.	20.	560.	1.1
			Contains minor grey/green shale.	027589	50.00	52.00	2.00	4.	41.	15.	180.	1.0
				027590	52.00	54.00	2.00	3.	34.	11.	200.	0.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-239

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
54.00	56.00	SEDS	Grey/green shale with limonitic staining on fracture surfaces.	027591	54.00	56.00	2.00	6.	35.	10.	130.	0.1
56.00	58.00		20% Black argillite; 20% White and yellow quartz.	027592	56.00	58.00	2.00	4.	52.	18.	230.	0.9

MORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-239
Grid System : ORIGINAL
Collar Eastings : 18833.980
Collar Northings : 20429.980
Collar Elevations : 847.100
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 58.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00							1														
4.00	6.00							1														
6.00	8.00							1														
8.00	10.00							1														
10.00	12.00							1														
12.00	14.00							1														
14.00	16.00							1														
16.00	18.00							1														
18.00	20.00							1														
20.00	22.00							1														
22.00	24.00							1														
24.00	26.00							3														
26.00	28.00							2														
28.00	30.00				1			1														
30.00	32.00				2			3.5														
32.00	34.00				2			2														
34.00	36.00				2			1														
36.00	38.00				2			1														
38.00	40.00				2			1														
40.00	42.00				3			3														
42.00	44.00	3			3	3	2	3		TR												
44.00	46.00	3			3	3	2	3		TR												
46.00	48.00	3			3	3	2	3		TR												
48.00	50.00				3			2														
50.00	52.00				2																	
52.00	54.00				1																	
54.00	56.00																					
56.00	58.00							2														

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-240
Grid System : ORIGINAL
Collar Eastings : 18882.800
Collar Northings : 20446.900
Collar Elevations : 850.700
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	6.00	ARG	Black cherty argillite with abundant limonitic staining on fracture surfaces.	027593	2.00	4.00	2.00	140.	339.	191.	1500.	1.3
4.00	6.00		Abundant limonitic clay.	027594	4.00	6.00	2.00	420.	324.	149.	3200.	2.3
6.00	14.00	INT	Limonitic quartz rich intrusive with 70% orange/white and red quartz.	027595	6.00	8.00	2.00	710.	2583.	52.	1800.	1.0
8.00	14.00		30% Black argillite.	027596	8.00	10.00	2.00	510.	1500.	60.	3000.	1.4
				027597	10.00	12.00	2.00	52.	177.	39.	1050.	1.1
				027598	12.00	14.00	2.00	130.	486.	38.	2600.	2.7
14.00	28.00	ARG	Black argillite.									
14.00	28.00		10% White and rusty quartz.	027599	14.00	16.00	2.00	98.	159.	42.	3200.	1.8
				027600	16.00	18.00	2.00	33.	101.	29.	4400.	1.4
				027601	18.00	20.00	2.00	11.	49.	30.	3200.	1.2
				027602	20.00	22.00	2.00	8.	51.	38.	6700.	1.3
				027603	22.00	24.00	2.00	6.	57.	45.	5800.	1.5
24.00	28.00		20% Rusty, white and yellow quartz.	027604	24.00	26.00	2.00	14.	66.	26.	2500.	2.2
				027605	26.00	28.00	2.00	16.	92.	25.	1500.	3.0
28.00	38.00	INT	Limonitic quartz rich intrusive with abundant rusty orange and red quartz.									
28.00	38.00		45% Dark sediments (argillite and shale).	027606	28.00	30.00	2.00	10.	81.	16.	1400.	0.8
				027607	30.00	32.00	2.00	6.	135.	11.	780.	0.2
				027608	32.00	34.00	2.00	2.	113.	13.	1200.	0.5
34.00	36.00		30% Green, brecciated quartz; 5% dark sediments (argillite and shale).	027609	34.00	36.00	2.00	4.	36.	20.	1100.	0.5
36.00	38.00		10% Dark sediments (argillite and shale).	027610	36.00	38.00	2.00	2.	43.	30.	680.	0.2
38.00	46.00	ARG	Black cherty argillite with minor grey shale.									
38.00	40.00		20% Limonitic intrusive and rusty quartz.	027611	38.00	40.00	2.00	7.	67.	19.	1200.	0.8
				027612	40.00	42.00	2.00	8.	53.	13.	580.	0.7
42.00	46.00		40% Grey shale.	027613	42.00	44.00	2.00	18.	14.	8.	280.	0.4

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BRENNERY CREEK
HOLE No. : BCRC 90-240

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				027614	44.00	46.00	2.00	25.	16.	7.	300.	0.4
46.00	48.00	INT	Limonitic quartz rich intrusive with 40% black argillite.	027615	46.00	48.00	2.00	15.	18.	14.	720.	0.5
48.00	52.00	ARG	Black cherty argillite, brecciated with intense quartz veining.									
48.00	50.00		10% Rusty quartz and intrusive.	027616	48.00	50.00	2.00	5.	5.	2.	320.	0.1
				027617	50.00	52.00	2.00	4.	11.	11.	420.	0.5

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-240
Grid System : ORIGINAL
Collar Eastings : 18882.800
Collar Northings : 20446.900
Collar Elevations : 850.700
Collar Bearing : 999.99
Grid Baseline : 66.80

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00																					
4.00	6.00																					
6.00	8.00																					
8.00	10.00	2.5			1	3	5	3														
10.00	12.00	2.5			3	3	5	3														
12.00	14.00	2.5			3	3	5	3														
14.00	16.00				2			2														
16.00	18.00				2			2														
18.00	20.00				2			2														
20.00	22.00				2			2														
22.00	24.00				2			2														
24.00	26.00				2			3														
26.00	28.00				2			3														
28.00	30.00	2.5			2	3	2	3														
30.00	32.00	2.5			3	3	2	3														
32.00	34.00	2.5			3	3	2	3														
34.00	36.00	2.5			3	3	2	3.5														
36.00	38.00	2.5			3	3	2	3														
38.00	40.00				2			2														
40.00	42.00				1																	
42.00	44.00				1																	
44.00	46.00				1																	
46.00	48.00	3			2	3	2	3		TR												
48.00	50.00				3			3		TR												

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-240

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
50.00	52.00				2			3														

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-241
Grid System : ORIGINAL
Collar Eastings : 18883.200
Collar Northings : 20422.600
Collar Elevations : 842.700
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	10.00	ARG	Black cherty argillite.	027618	2.00	4.00	2.00	110.	153.	63.	3000.	1.4
4.00	6.00		Abundant grey clay	027619	4.00	6.00	2.00	83.	103.	631.	4800.	2.0
6.00	8.00		40% Rusty orange and yellow quartz with abundant grey clay.	027620	6.00	8.00	2.00	500.	616.	398.	5200.	2.4
8.00	10.00		25% White/yellow and rusty quartz.	027621	8.00	10.00	2.00	5.	807.	296.	5800.	6.0
10.00	18.00	INT	Limonitic quartz rich intrusive with abundant rusty orange and yellow quartz.									
10.00	12.00		10% Black argillite.	027622	10.00	12.00	2.00	440.	1458.	157.	1600.	1.3
				027623	12.00	14.00	2.00	1450.	3758.	63.	1500.	0.6
				027624	14.00	16.00	2.00	510.	1879.	66.	1400.	0.6
16.00	18.00		20% Black argillite.	027625	16.00	18.00	2.00	84.	416.	59.	620.	0.5
18.00	40.00	ARG	Black argillite with abundant white quartz veining and minor grey/green shale.									
18.00	20.00		Minor limonitic clay; 5% rusty intrusive and quartz.	027626	18.00	20.00	2.00	12.	205.	38.	3100.	1.3
				027627	20.00	22.00	2.00	20.	132.	39.	1800.	1.5
				027628	22.00	24.00	2.00	32.	101.	49.	3800.	2.8
				027629	24.00	26.00	2.00	1.	71.	32.	1300.	0.9
				027630	26.00	28.00	2.00	4.	40.	23.	1100.	0.7
28.00	30.00		1% Dark red stained quartz.	027631	28.00	30.00	2.00	12.	37.	20.	720.	0.8
				027632	30.00	32.00	2.00	8.	61.	111.	1600.	1.1
				027633	32.00	34.00	2.00	8.	84.	36.	1500.	1.9
				027634	34.00	36.00	2.00	6.	127.	49.	6300.	1.1
				027635	36.00	38.00	2.00	1.	75.	53.	3300.	1.2
				027636	38.00	40.00	2.00	1.	38.	27.	1400.	1.3

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-241
Grid System : ORIGINAL
Collar Eastings : 18883.200
Collar Northings : 20422.600
Collar Elevations : 842.700
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : BC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00						TR	1														
4.00	6.00						TR	2														
6.00	8.00						TR	3														
8.00	10.00						TR	2														
10.00	12.00	3			1	3	5	3														
12.00	14.00	3			1	3	5	3														
14.00	16.00	3			2	3	5	3														
16.00	18.00				2		5	3														
18.00	20.00				2			2														
20.00	22.00				2		TR	2														
22.00	24.00				2			2														
24.00	26.00				2			2														
26.00	28.00				2			2														
28.00	30.00				2		TR	2														
30.00	32.00				2			2														
32.00	34.00							2														
34.00	36.00							2														
36.00	38.00							2														
38.00	40.00							2														

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-242
Grid System : ORIGINAL
Collar Eastings : 18776.920
Collar Northings : 20391.820
Collar Elevations : 834.110
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	14.00	ARG	Black cherty argillite with white quartz veining.	027637	2.00	4.00	2.00	1.	51.	60.	2400.	0.8
				027638	4.00	6.00	2.00	1.	47.	51.	2800.	0.6
				027639	6.00	8.00	2.00	100.	88.	80.	4300.	1.4
8.00	10.00		Limonitic staining on fracture surfaces, minor limonitic clay.	027640	8.00	10.00	2.00	620.	192.	512.	10000.	6.4
10.00	12.00		20% Rusty and yellow quartz.	027641	10.00	12.00	2.00	178.	100.	94.	6200.	4.8
12.00	14.00		40% Rusty, yellow and white quartz. Minor grey clay present.	027642	12.00	14.00	2.00	240.	119.	105.	7600.	3.7
14.00	16.00	INT	Limonitic quartz rich intrusive with 50% black argillite.	027643	14.00	16.00	2.00	70.	89.	66.	19000.	3.2
16.00	22.00	ARG	Black cherty argillite with white quartz veining.	027644	16.00	18.00	2.00	10.	54.	45.	6300.	2.1
				027645	18.00	20.00	2.00	11.	44.	48.	6100.	1.4
				027646	20.00	22.00	2.00	86.	28.	25.	2100.	0.3
22.00	40.00	SEDS	Black/green shale with minor black argillite and mudstone.									
22.00	24.00		Shale is green/grey in colour. 25% White and yellow quartz.	027647	22.00	24.00	2.00	7.	23.	19.	1300.	0.6
				027648	24.00	26.00	2.00	4.	17.	42.	1900.	2.2
				027649	26.00	28.00	2.00	13.	16.	16.	600.	0.5
				027650	28.00	30.00	2.00	7.	16.	13.	720.	0.4
				027651	30.00	32.00	2.00	2.	12.	13.	630.	0.2
				027652	32.00	34.00	2.00	5.	16.	12.	610.	0.1
				027653	34.00	36.00	2.00	9.	8.	19.	510.	0.4
36.00	40.00		Abundant yellow and red quartz veining.	027654	36.00	38.00	2.00	5.	13.	21.	730.	0.4
				027926	38.00	40.00	2.00	6.	12.	24.	480.	0.7

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-242
Grid System : ORIGINAL
Collar Eastings : 18776.920
Collar Northings : 20391.820
Collar Elevations : 834.110
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : BC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00							1														
4.00	6.00							1														
6.00	8.00							1														
8.00	10.00						TR	1														
10.00	12.00							1														
12.00	14.00							2														
14.00	16.00	2.5				3	2	3														
16.00	18.00				1			1														
18.00	20.00				1			1														
20.00	22.00				1			1														
22.00	24.00				2			2														
24.00	26.00				2			1														
26.00	28.00				2			1														
28.00	30.00				2			1														
30.00	32.00				2			1														
32.00	34.00				2			1														
34.00	36.00				2			1														
36.00	38.00				2			3		TR												
38.00	40.00				2			3		TR												

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 98-243
Grid System : ORIGINAL
Collar Eastings : 18834.850
Collar Northings : 20404.450
Collar Elevations : 835.180
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	20.00	ARG	Black argillite with minor white quartz. Abundant grey clay.	027655	2.00	4.00	2.00	27.	87.	58.	5600.	0.7
2.00	6.00			027656	4.00	6.00	2.00	66.	91.	114.	5200.	2.3
				027657	6.00	8.00	2.00	150.	72.	104.	4400.	2.5
8.00	12.00		10% Rusty quartz.	027658	8.00	10.00	2.00	380.	442.	410.	10000.	4.8
				027659	10.00	12.00	2.00	81.	256.	204.	16000.	3.1
12.00	20.00		15% Rusty and clear quartz.	027660	12.00	14.00	2.00	55.	118.	95.	8800.	2.1
				027661	14.00	16.00	2.00	64.	125.	227.	19000.	7.4
				027662	16.00	18.00	2.00	110.	161.	184.	7600.	3.1
				027663	18.00	20.00	2.00	20.	68.	42.	2100.	1.2
20.00	30.00	SEDS	Grey/black shale with limonitic staining on fracture surfaces and abundant rusty yellow and white quartz.	027664	20.00	22.00	2.00	11.	42.	45.	780.	0.5
				027665	22.00	24.00	2.00	13.	35.	40.	800.	0.7
				027666	24.00	26.00	2.00	28.	33.	39.	1100.	0.7
				027667	26.00	28.00	2.00	10.	25.	26.	400.	0.5
				027668	28.00	30.00	2.00	10.	30.	22.	630.	0.8
30.00	34.00	ARG	Black cherty argillite with 10% rusty orange and yellow quartz.	027669	30.00	32.00	2.00	26.	106.	38.	1500.	1.4
				027670	32.00	34.00	2.00	19.	135.	22.	1300.	2.6
34.00	46.00	SEDS	Light grey shale with minor black shale and 5% white quartz.	027671	34.00	36.00	2.00	4.	30.	22.	1200.	0.9
				027672	36.00	38.00	2.00	8.	17.	21.	350.	0.6
				027673	38.00	40.00	2.00	3.	12.	17.	220.	0.3
				027674	40.00	42.00	2.00	5.	19.	17.	160.	0.7
				027675	42.00	44.00	2.00	2.	15.	16.	180.	0.8
44.00	46.00		20% Black argillite.	027676	44.00	46.00	2.00	8.	27.	18.	210.	0.7
46.00	50.00	ARG	Black argillite with minor grey shale and abundant white quartz veining.	027677	46.00	48.00	2.00	14.	68.	28.	430.	1.3
				027678	48.00	50.00	2.00	6.	16.	13.	380.	1.1

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-243
Grid System : ORIGINAL
Collar Eastings : 18834.850
Collar Northings : 20404.450
Collar Elevations : 835.180
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sr %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00								1													
4.00	6.00								1													
6.00	8.00								1													
8.00	10.00								1													
10.00	12.00								2													
12.00	14.00								2													
14.00	16.00								2													
16.00	18.00								2													
18.00	20.00								2													
20.00	22.00							TR	2													
22.00	24.00				1			TR	2													
24.00	26.00				1			TR	2													
26.00	28.00				2			TR	2													
28.00	30.00				2			TR	2													
30.00	32.00				2				2													
32.00	34.00				2				2													
34.00	36.00				2				1													
36.00	38.00				2				1													
38.00	40.00				2				1													
40.00	42.00				2				1													
42.00	44.00				2				2													
44.00	46.00				2				2													
46.00	48.00				1				2													
48.00	50.00				1				2													

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-244
Grid System : ORIGINAL
Collar Eastings : 18775.910
Collar Northings : 20418.510
Collar Elevations : 841.000
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 46.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	4.00	OVERBU	Overburden; mix of rusty intrusive, black argillite and white quartz.	027679	2.00	4.00	2.00	1470.	2832.	105.	5500.	4.6
4.00	10.00	ARG	Black argillite with 30% white quartz.									
4.00	6.00		10% Rusty quartz and limonitic intrusive.	027680	4.00	6.00	2.00	240.	636.	265.	10000.	22.9
6.00	8.00		5% Rusty and white quartz.	027681	6.00	8.00	2.00	73.	111.	127.	34000.	4.2
8.00	10.00		20% Rusty quartz and limonitic intrusive. 5% Light green/grey shale.	027682	8.00	10.00	2.00	30.	85.	88.	19000.	2.8
10.00	14.00	SEDS	Light green/gray shale with 2% rusty and clear quartz.	027683	10.00	12.00	2.00	41.	68.	33.	1050.	0.8
12.00	14.00		30% Black argillite; 20% rusty and white quartz.	027684	12.00	14.00	2.00	25.	30.	24.	740.	1.0
14.00	22.00	ARG	Black argillite with minor rusty and white quartz.	027685	14.00	16.00	2.00	13.	49.	38.	1800.	2.1
16.00	18.00		10% Green/brown shale.	027686	16.00	18.00	2.00	17.	20.	23.	2100.	2.2
				027687	18.00	20.00	2.00	11.	50.	42.	4600.	2.5
				027688	20.00	22.00	2.00	7.	64.	48.	4100.	1.3
22.00	26.00	SEDS	Light brown to green/grey shale.									
22.00	24.00		40% Black argillite.	027689	22.00	24.00	2.00	10.	26.	23.	1100.	0.7
24.00	26.00		10% Rusty quartz and limonitic intrusive.	027690	24.00	26.00	2.00	12.	15.	12.	400.	0.3
26.00	32.00	INT	Limonitic quartz rich intrusive.									
26.00	28.00		30% Pinkish/red stained quartz with 20% argillite.	027691	26.00	28.00	2.00	11.	20.	15.	810.	0.6
28.00	32.00		2% Black argillite; 50% rusty yellow and white quartz.	027692	28.00	30.00	2.00	5.	28.	23.	430.	0.4
				027693	30.00	32.00	2.00	9.	32.	20.	480.	0.4
32.00	36.00	SEDS	Light grey chert with minor brecciated argillite.									
32.00	34.00		10% Rusty quartz and limonitic intrusive.	027694	32.00	34.00	2.00	11.	23.	22.	320.	0.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMNER CREEK
HOLE No. : BCRC 90-244

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
34.00	36.00		50% Brown shale; 30% black argillite; 10% chert; 10% quartz and limonitic intrusive.	027695	34.00	36.00	2.00	10.	18.	20.	580.	0.5
36.00	46.00	ARG	Black argillite with 10% rusty, white and grey quartz.	027696	36.00	38.00	2.00	9.	29.	19.	540.	1.2
38.00	46.00		Intense white quartz veining; 50% white quartz.	027697	38.00	40.00	2.00	8.	10.	14.	560.	0.9
				027698	40.00	42.00	2.00	2.	7.	10.	250.	0.6
				027699	42.00	44.00	2.00	7.	14.	10.	300.	0.5
				027700	44.00	46.00	2.00	7.	20.	14.	540.	1.0

BORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-244
Grid System : ORIGINAL
Collar Eastings : 18775.910
Collar Northings : 20418.510
Collar Elevations : 841.000
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 46.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sz	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00																					
4.00	6.00							2														
6.00	8.00							2														
8.00	10.00				1			2														
10.00	12.00				3			2														
12.00	14.00				3			2														
14.00	16.00				1			1														
16.00	18.00				3			1														
18.00	20.00				1			1														
20.00	22.00				1			1														
22.00	24.00				1		TR	1														
24.00	26.00				3		TR	2														
26.00	28.00	2.5			3	3	2	3														
28.00	30.00	2.5			3	3	2	2														
30.00	32.00	2.5			3	3	2	2														
32.00	34.00				3			1														
34.00	36.00				3			1														
36.00	38.00				2			2														
38.00	40.00				1			3.5														
40.00	42.00				1			3.5														
42.00	44.00				1			3.5		TR												

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
44.00	46.00				1			3.5													

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-245
Grid System : ORIGINAL
Collar Eastings : 18764.980
Collar Northings : 20446.480
Collar Elevations : 843.750
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	4.00	ARG	Black argillite.	027701	2.00	4.00	2.00	18.	73.	40.	7700.	2.9
4.00	6.00	SEDS	Light green to green/brown shale. 10% Rusty yellow and white quartz.	027702	4.00	6.00	2.00	6.	23.	14.	720.	0.6
6.00	14.00	ARG	Black argillite with 10% white quartz. 40% White and clear quartz.	027703	6.00	8.00	2.00	7.	33.	28.	2900.	1.3
				027704	8.00	10.00	2.00	7.	46.	36.	6100.	2.4
				027705	10.00	12.00	2.00	3.	23.	17.	1600.	1.9
				027706	12.00	14.00	2.00	1.	19.	18.	1200.	2.5
14.00	16.00	INT	Limonitic quartz rich intrusive with 40% black argillite.	027707	14.00	16.00	2.00	17.	46.	17.	760.	1.2
16.00	18.00	ARG	Black argillite with 10% yellow and white quartz.	027708	16.00	18.00	2.00	12.	36.	11.	250.	0.6
18.00	22.00	INT	Limonitic quartz rich intrusive.									
18.00	20.00		15% Green quartz rich intrusive with 20% argillite mixed with shale.	027709	18.00	20.00	2.00	7.	21.	23.	200.	0.6
20.00	22.00		40% Green quartz rich intrusive; 20% argillite and shale.	027710	20.00	22.00	2.00	3.	18.	14.	280.	0.6
22.00	32.00	ARG	Black argillite with 10% grey shale and 10% white and rusty quartz.	027711	22.00	24.00	2.00	6.	54.	25.	830.	3.0
				027712	24.00	26.00	2.00	9.	27.	10.	260.	0.5
26.00	28.00		40% Grey/green and brown shale.	027713	26.00	28.00	2.00	6.	30.	12.	480.	0.4
28.00	30.00		Abundant red staining on fracture surfaces.	027714	28.00	30.00	2.00	7.	22.	28.	420.	0.9
				027715	30.00	32.00	2.00	9.	75.	34.	660.	1.0
32.00	38.00	SEDS	Light grey chert, black shale and argillite with minor brown shale and minor amounts of disseminated and vein pyrite.	027716	32.00	34.00	2.00	4.	24.	9.	290.	0.7
				027717	34.00	36.00	2.00	6.	8.	4.	180.	0.4
				027718	36.00	38.00	2.00	5.	7.	9.	180.	0.6
38.00	40.00	ARG	Black argillite.	027719	38.00	40.00	2.00	6.	9.	14.	230.	0.3

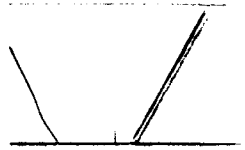
BOREANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-245
Grid System : ORIGINAL
Collar Eastings : 18764.980
Collar Northings : 20446.480
Collar Elevations : 843.750
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00							1														
4.00	6.00							2														
6.00	8.00							2														
8.00	10.00				1			2														
10.00	12.00				1			2														
12.00	14.00				1			2														
14.00	16.00	3			2	3	5	2														
16.00	18.00				1			2														
18.00	20.00	2.5			3	3	2	3														
20.00	22.00	2.5			3	3	2	3														
22.00	24.00				1			1														
24.00	26.00				3			1														
26.00	28.00				2			1														
28.00	30.00				1			2														
30.00	32.00				1			1														
32.00	34.00				2			1		TR												
34.00	36.00				2			1		TR												
36.00	38.00				2			1		TR												
38.00	40.00				2			1														



NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-246
Grid System : ORIGINAL
Collar Eastings : 18774.760
Collar Northings : 20364.160
Collar Elevations : 828.420
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	4.00	INT	Limonitic quartz rich intrusive with 30% black argillite.	027720	2.00	4.00	2.00	1690.	804.	127.	1600.	0.9
4.00	10.00	ARG	Black argillite with abundant white quartz veining.									
4.00	6.00		5% Limonitic intrusive.	027721	4.00	6.00	2.00	71.	273.	106.	1800.	0.7
				027722	6.00	8.00	2.00	13.	176.	89.	2100.	0.6
				027723	8.00	10.00	2.00	6.	71.	53.	2600.	0.8
10.00	12.00	INT	Limonitic quartz rich intrusive with 40% black argillite.	027724	10.00	12.00	2.00	220.	415.	96.	2200.	0.8
12.00	26.00	ARG	Black argillite.									
12.00	14.00		30% Limonitic intrusive and rusty quartz.	027725	12.00	14.00	2.00	250.	515.	101.	5400.	2.8
				027726	14.00	16.00	2.00	57.	209.	94.	7800.	2.6
				027727	16.00	18.00	2.00	150.	234.	160.	7600.	3.4
18.00	22.00		40% Rusty orange and white quartz (may be highly altered limonitic intrusive?!).	027728	18.00	20.00	2.00	120.	139.	124.	21800.	3.6
				027729	20.00	22.00	2.00	96.	102.	82.	12000.	2.8
				027730	22.00	24.00	2.00	130.	159.	78.	11000.	4.6
				027731	24.00	26.00	2.00	80.	100.	91.	15000.	6.3
26.00	28.00	INT	Limonitic quartz rich intrusive with 30% black argillite.	027732	26.00	28.00	2.00	43.	79.	56.	5800.	1.5
28.00	40.00	ARG	Black argillite with minor white quartz veining.	027733	28.00	30.00	2.00	11.	58.	54.	5700.	1.4
				027734	30.00	32.00	2.00	5.	44.	46.	4400.	1.3
				027735	32.00	34.00	2.00	1.	18.	38.	2600.	1.9
				027736	34.00	36.00	2.00	1.	26.	17.	3400.	2.7
				027737	36.00	38.00	2.00	1.	15.	8.	1050.	2.5
38.00	40.00		20% Grey chert.	027738	38.00	40.00	2.00	1.	13.	14.	360.	1.6

BORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-246
Grid System : ORIGINAL
Collar Eastings : 18774.760
Collar Northings : 20364.160
Collar Elevations : 828.420
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : BC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.00	4.00	3					3	5	3.5														
4.00	6.00								2														
6.00	8.00							TR	2														
8.00	10.00								2														
10.00	12.00	3					3	5	3.5														
12.00	14.00								2														
14.00	16.00							TR	3														
16.00	18.00								2														
18.00	20.00								3.5														
20.00	22.00								3.5														
22.00	24.00				1				1														
24.00	26.00				1				1														
26.00	28.00	3			2		3	5	3														
28.00	30.00				1				1														
30.00	32.00				1				1														
32.00	34.00				1				1														
34.00	36.00				1				1														
36.00	38.00								1														
38.00	40.00								1														

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREMNER CREEK
HOLE No. : BCRC 90-247
Grid System : ORIGINAL
Collar Eastings : 18419.820
Collar Northings : 20234.960
Collar Elevations : 808.760
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	8.00	SEDS	Black shale and argillite with minor soft grey mudstone.	027739	2.00	4.00	2.00	1570.	750.	3354.	1300.	2.4
4.00	6.00		20% Rusty and clear quartz.	027740	4.00	6.00	2.00	1080.	413.	7100.	1200.	3.3
6.00	8.00		20% Limonitic intrusive and rusty quartz, minor amounts of grey clay.	027741	6.00	8.00	2.00	3380.	1028.	6182.	1500.	6.0
8.00	14.00	INT	Limonitic quartz rich intrusive with abundant red/orange and rusty yellow quartz.									
8.00	10.00		50% Dark sediments (black shale and argillite with minor soft grey mudstone).	027742	8.00	10.00	2.00	760.	1504.	11849.	1600.	4.2
				027743	10.00	12.00	2.00	2390.	2970.	5335.	1800.	3.7
				027744	12.00	14.00	2.00	1350.	2186.	6860.	3100.	5.4
14.00	20.00	ARG	Black argillite with abundant white and grey quartz.									
14.00	16.00		2% Limonitic intrusive.	027745	14.00	16.00	2.00	470.	798.	1685.	1050.	3.7
				027746	16.00	18.00	2.00	790.	6049.	7839.	1300.	5.1
				027747	18.00	20.00	2.00	1050.	522.	27583.	2200.	6.9
20.00	24.00	INT	White to rusty brown limonitic quartz rich intrusive.									
20.00	22.00		20% Black argillite with 10% massive stibnite with kermesite alteration. Abundant disseminated yellow pyrite.	027748	20.00	22.00	2.00	15620.	8459.	22711.	2800.	4.9
22.00	24.00		Intrusive is white with 2% massive stibnite and abundant disseminated pyrite. 50% Grey shale.	027749	22.00	24.00	2.00	7680.	2993.	10793.	2600.	3.5
24.00	26.00	ARG	Black argillite.	027750	24.00	26.00	2.00	3920.	1433.	749.	1800.	2.9
26.00	38.00	SEDS	Green/grey shale.	027751	26.00	28.00	2.00	230.	1503.	1252.	1100.	0.4
				027752	28.00	30.00	2.00	360.	1549.	1599.	1200.	0.7
				027753	30.00	32.00	2.00	180.	1718.	511.	720.	0.3
				027754	32.00	34.00	2.00	140.	1748.	207.	540.	0.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-247

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				027755	34.00	36.00	2.00	48.	1770.	476.	680.	0.3
36.00	38.00		10% White and yellow quartz, 1% grey quartz with red staining (antimony?).	027756	36.00	38.00	2.00	530.	2305.	680.	1200.	0.5
38.00	40.00	ARG	Brecciated argillite with a massive stibnite vein. 70% White and grey brecciated quartz. 2% Massive stibnite with abundant kermesite alteration on fracture surfaces. Trace amounts of massive yellow pyrite. Minor green-blue quartz with contains fine fragments of argillite.	027757	38.00	40.00	2.00	630.	399.	4988.	1050.	1.6

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-247
Grid System : ORIGINAL
Collar Eastings : 18419.820
Collar Northings : 20234.960
Collar Elevations : 808.760
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00							1														
4.00	6.00							2														
6.00	8.00							2														
8.00	10.00	2.5				3	5	3														
10.00	12.00	2.5				3	5	3														
12.00	14.00	2.5				3	5	3														
14.00	16.00						TR	2.5														
16.00	18.00						TR	2.5														
18.00	20.00						TR	2.5														
20.00	22.00	2.5			1	3	5	3.5	12													
22.00	24.00	2.5				3	5	3.5	5													
24.00	26.00							1														
26.00	28.00																					
28.00	30.00																					
30.00	32.00																					
32.00	34.00																					
34.00	36.00																					
36.00	38.00							3	TR													
38.00	40.00							4	2													

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-248
Grid System : ORIGINAL
Collar Eastings : 18416.480
Collar Northings : 20210.910
Collar Elevations : 805.930
Collar Bearing : 999.99
Grid Baseline : 66.80

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	8.00	SEDS	Black siltstone and minor grey shale with abundant white quartz.									
2.00	4.00		10% Rusty intrusive.	027758	2.00	4.00	2.00	340.	854.	1081.	1100.	0.6
				027759	4.00	6.00	2.00	300.	1035.	293.	560.	0.4
				027760	6.00	8.00	2.00	220.	1311.	344.	730.	0.3
8.00	18.00	INT	Limonitic quartz rich intrusive with abundant rusty orange quartz.	027761	8.00	10.00	2.00	1590.	2191.	2200.	1800.	0.9
10.00	14.00		60% Yellow/orange/red quartz with abundant yellow disseminated pyrite.	027762	10.00	12.00	2.00	2500.	5263.	562.	1600.	1.0
				027763	12.00	14.00	2.00	3790.	7268.	144.	1300.	1.5
				027764	14.00	16.00	2.00	210.	1116.	248.	1100.	0.2
				027765	16.00	18.00	2.00	310.	2484.	257.	1200.	0.3
18.00	32.00	SEDS	Black shale and argillite with minor green/grey shale and pink/brown shale.									
18.00	20.00		50% White quartz with 5% limonitic intrusive.	027766	18.00	20.00	2.00	140.	1018.	196.	580.	0.2
				027767	20.00	22.00	2.00	50.	174.	62.	480.	0.2
				027768	22.00	24.00	2.00	38.	69.	52.	380.	0.2
				027769	24.00	26.00	2.00	39.	53.	51.	400.	0.2
				027770	26.00	28.00	2.00	29.	94.	61.	430.	0.2
				027771	28.00	30.00	2.00	29.	68.	104.	330.	0.2
				027772	30.00	32.00	2.00	19.	411.	81.	380.	0.1
32.00	40.00	ARG	Black brecciated argillite with abundant white quartz and disseminated pyrite.									
32.00	34.00		Massive stibnite vein (2% stibnite) with abundant red kermesite alteration. Sample contains 10% rusty quartz and 40% white quartz.	027773	32.00	34.00	2.00	870.	772.	23609.	630.	3.4
				027774	34.00	36.00	2.00	120.	135.	3398.	500.	1.4
36.00	40.00		90% White brecciated quartz with fine fragments of black argillite. Abundant disseminated pyrite.	027775	36.00	38.00	2.00	220.	371.	3697.	480.	1.3
				027776	38.00	40.00	2.00	100.	150.	2451.	420.	0.8

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-248
Grid System : ORIGINAL
Collar Eastings : 18416.480
Collar Northings : 20210.910
Collar Elevations : 805.930
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.00	4.00							2															
4.00	6.00							2															
6.00	8.00							2															
8.00	10.00	2.5				3	5	3		TR													
10.00	12.00	2.5			1	3	5	3		1													
12.00	14.00	2.5			1	3	5	3		1													
14.00	16.00	2.5			2	3	5	3		TR													
16.00	18.00	2.5			1	3	5	3		TR													
18.00	20.00							3.5															
20.00	22.00							2															
22.00	24.00				1			2															
24.00	26.00							2															
26.00	28.00							2															
28.00	30.00							2															
30.00	32.00							2															
32.00	34.00							3.5		5													
34.00	36.00							3.5		1													
36.00	38.00							3.5		1													
38.00	40.00							3.5		1													

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREMNER CREEK
HOLE No. : BCRC 90-249
Grid System : ORIGINAL
Collar Eastings : 19622.240
Collar Northings : 20143.960
Collar Elevations : 857.080
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	6.00	INT	Limonitic quartz rich intrusive.									
2.00	4.00		40% Black argillite.	027777	2.00	4.00	2.00	280.	249.	621.	2000.	1.2
4.00	6.00		40% Black argillite.	027778	4.00	6.00	2.00	220.	135.	238.	2300.	2.3
6.00	8.00	ARG	Black argillite with minor white quartz.	027779	6.00	8.00	2.00	52.	99.	167.	2600.	4.4
8.00	30.00	INT	Limonitic quartz rich intrusive with abundant clay altered yellow feldspar phenocrysts.									
8.00	10.00		35% Black argillite.	027780	8.00	10.00	2.00	51.	110.	260.	1600.	2.5
				027781	10.00	12.00	2.00	30.	49.	105.	520.	0.2
				027782	12.00	14.00	2.00	35.	105.	192.	430.	0.2
				027783	14.00	16.00	2.00	62.	176.	289.	600.	0.2
				027784	16.00	18.00	2.00	62.	54.	126.	460.	0.4
18.00	20.00		Minor clear quartz eyes.	027785	18.00	20.00	2.00	61.	42.	114.	500.	0.2
20.00	22.00		Small amount of grey clay.	027786	20.00	22.00	2.00	22.	24.	80.	900.	0.1
				027787	22.00	24.00	2.00	31.	17.	72.	780.	0.1
24.00	30.00		40% White quartz rich intrusive with disseminated blotches of limonite. Minor disseminated pyrite.	027788	24.00	26.00	2.00	10.	11.	34.	380.	0.1
				027789	26.00	28.00	2.00	19.	24.	49.	300.	0.1
				027790	28.00	30.00	2.00	6.	19.	15.	700.	0.9
30.00	40.00	ARG	Black argillite.	027791	30.00	32.00	2.00	6.	63.	34.	3500.	3.4
				027792	32.00	34.00	2.00	10.	49.	20.	3300.	4.4
				027793	34.00	36.00	2.00	7.	43.	27.	3200.	3.8
				027794	36.00	38.00	2.00	2.	21.	17.	2500.	2.9
38.00	40.00		2% Pink/brown pyrite rich intrusive.	027795	38.00	40.00	2.00	2.	26.	18.	2200.	2.5

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-249
Grid System : ORIGINAL
Collar Eastings : 19622.240
Collar Northings : 20143.960
Collar Elevations : 857.080
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2					2.5	5	2.5													
4.00	6.00	2					2.5	5	2.5													
6.00	8.00																					
8.00	10.00	2					2.5	5	2													
10.00	12.00	2					2.5	5	2													
12.00	14.00	2					2.5	5	2													
14.00	16.00	2					2.5	5	2													
16.00	18.00	2					2.5	5	2													
18.00	20.00	2					2.5	5	2													
20.00	22.00	2					2.5	5	2													
22.00	24.00	2					2.5	5	2													
24.00	26.00	2					2.5	1	2	TR												
26.00	28.00	2					2.5	1	2	TR												
28.00	30.00	2					2.5	1	2	TR												
30.00	32.00																					
32.00	34.00																					
34.00	36.00																					
36.00	38.00																					
38.00	40.00									TR												

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-250
Grid System : ORIGINAL
Collar Eastings : 19675.010
Collar Northings : 20117.820
Collar Elevations : 855.010
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	4.00	INT	Limonitic quartz rich intrusive with 40% black argillite.	027796	2.00	4.00	2.00	2620.	855.	1927.	2600.	1.4
4.00	6.00	ARG	Black argillite with 20% limonitic intrusive.	027797	4.00	6.00	2.00	100.	89.	226.	7800.	5.1
6.00	14.00	INT	Limonitic quartz rich intrusive with abundant white clay altered feldspar phenocrysts.									
6.00	8.00		10% Black argillite.	027798	6.00	8.00	2.00	50.	57.	80.	4200.	1.3
				027799	8.00	10.00	2.00	21.	24.	39.	1100.	0.3
				027800	10.00	12.00	2.00	15.	24.	35.	760.	0.3
				027801	12.00	14.00	2.00	11.	62.	38.	1300.	0.5
14.00	26.00	ARG	Black argillite with abundant white quartz veining.	027802	14.00	16.00	2.00	12.	63.	33.	3700.	3.5
				027803	16.00	18.00	2.00	8.	12.	14.	4000.	3.5
				027804	18.00	20.00	2.00	4.	23.	21.	4300.	3.6
				027805	20.00	22.00	2.00	12.	64.	41.	2800.	3.5
22.00	24.00		40% Limonitic quartz rich intrusive.	027806	22.00	24.00	2.00	7.	83.	33.	1700.	1.8
24.00	26.00		20% Grey shale.	027807	24.00	26.00	2.00	9.	37.	31.	2200.	2.5
26.00	40.00	SEDS	Green/grey and brown shale with minor black shale and blue siltstone.	027808	26.00	28.00	2.00	10.	21.	25.	300.	0.2
				027809	28.00	30.00	2.00	9.	17.	22.	520.	0.1
				027810	30.00	32.00	2.00	7.	21.	23.	480.	0.4
				027811	32.00	34.00	2.00	8.	19.	19.	570.	0.7
				027812	34.00	36.00	2.00	8.	14.	18.	180.	0.1
				027813	36.00	38.00	2.00	6.	13.	12.	190.	0.1
				027814	38.00	40.00	2.00	7.	29.	21.	2200.	1.6

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-250
Grid System : ORIGINAL
Collar Eastings : 19675.010
Collar Northings : 20117.820
Collar Elevations : 855.010
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sx %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.00	4.00	2					2.5	3	2.5														
4.00	6.00																						
6.00	8.00	2					3	5	2.5														
8.00	10.00	2					3	5	2.5														
10.00	12.00	2					3	5	2.5														
12.00	14.00	2					3	5	2.5														
14.00	16.00								2														
16.00	18.00								2														
18.00	20.00								2														
20.00	22.00								2														
22.00	24.00							1	2.5														
24.00	26.00								2														
26.00	28.00								2														
28.00	30.00				2																		
30.00	32.00				2																		
32.00	34.00				1																		
34.00	36.00				2																		
36.00	38.00				2																		
38.00	40.00				1																		

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 98-251
Grid System : ORIGINAL
Collar Eastings : 18425.400
Collar Northings : 20263.560
Collar Elevations : 812.720
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	38.00	ARG	Black argillite and black shale with minor green shale.	027815	2.00	4.00	2.00	54.	439.	45.	1100.	0.5
				027816	4.00	6.00	2.00	66.	334.	56.	1400.	0.5
				027817	6.00	8.00	2.00	490.	366.	65.	2200.	0.8
				027818	8.00	10.00	2.00	200.	241.	44.	1600.	0.4
				027819	10.00	12.00	2.00	31.	212.	46.	1800.	0.3
				027820	12.00	14.00	2.00	13.	202.	34.	2000.	0.2
				027821	14.00	16.00	2.00	14.	128.	21.	1900.	0.3
				027822	16.00	18.00	2.00	27.	280.	23.	1300.	0.1
				027823	18.00	20.00	2.00	10.	273.	28.	1500.	0.3
				027824	20.00	22.00	2.00	7.	177.	38.	1200.	0.2
				027825	22.00	24.00	2.00	4.	137.	18.	1600.	0.1
				027826	24.00	26.00	2.00	65.	154.	16.	1300.	0.3
				027827	26.00	28.00	2.00	12.	171.	22.	1100.	0.3
				027828	28.00	30.00	2.00	45.	222.	16.	1200.	0.2
				027829	30.00	32.00	2.00	47.	174.	27.	1800.	0.2
				027830	32.00	34.00	2.00	15.	157.	37.	2300.	0.3
				027831	34.00	36.00	2.00	15.	137.	26.	1600.	0.1
				027832	36.00	38.00	2.00	36.	167.	39.	1700.	0.1
38.00	40.00	INT	Limonitic quartz rich intrusive with spotty disseminated pyrite and 30% black argillite.	027833	38.00	40.00	2.00	63.	334.	46.	4600.	0.4

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-251
Grid System : ORIGINAL
Collar Eastings : 18425.400
Collar Northings : 20263.560
Collar Elevations : 812.720
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

PAGE : 1

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES												GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %		FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00																						
4.00	6.00																						
6.00	8.00																						
8.00	10.00																						
10.00	12.00																						
12.00	14.00																						
14.00	16.00																						
16.00	18.00																						
18.00	20.00																						
20.00	22.00																						
22.00	24.00																						
24.00	26.00																						
26.00	28.00																						
28.00	30.00																						
30.00	32.00																						
32.00	34.00																						
34.00	36.00																						
36.00	38.00																						
38.00	40.00	2.5					2.5	3	2	TR													

Hole No: BCRC 90-251

MORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-252
Grid System : ORIGINAL
Collar Eastings : 19995.700
Collar Northings : 19999.900
Collar Elevations : 902.300
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	28.00	INT	Limonitic quartz rich intrusive.									
2.00	4.00		15% Black argillite.	027834	2.00	4.00	2.00	930.	816.	524.	2800.	1.6
				027835	4.00	6.00	2.00	240.	749.	262.	1700.	0.9
				027836	6.00	8.00	2.00	71.	244.	102.	1300.	0.6
				027837	8.00	10.00	2.00	38.	79.	77.	960.	0.3
				027838	10.00	12.00	2.00	240.	660.	111.	830.	0.1
				027839	12.00	14.00	2.00	380.	1052.	78.	1300.	0.5
				027840	14.00	16.00	2.00	51.	140.	88.	1100.	0.4
				027841	16.00	18.00	2.00	48.	141.	111.	1600.	0.3
18.00	20.00		35% Black argillite.	027842	18.00	20.00	2.00	6.	108.	63.	2500.	0.7
20.00	26.00	ARG	Black argillite.	027843	20.00	22.00	2.00	22.	98.	47.	5200.	2.9
				027844	22.00	24.00	2.00	10.	81.	51.	3300.	3.0
24.00	26.00		40% Limonitic intrusive.	027845	24.00	26.00	2.00	27.	393.	77.	5500.	1.9
26.00	34.00	INT	Limonitic quartz rich porphyritic int-	027846	26.00	28.00	2.00	27.	241.	62.	1800.	9.8
			rusive with abundant rusty orange quartz.	027847	28.00	30.00	2.00	20.	359.	32.	1600.	0.8
				027848	30.00	32.00	2.00	49.	1053.	47.	1500.	0.5
32.00	34.00		5% Black argillite and shale.	027849	32.00	34.00	2.00	8.	252.	126.	4300.	1.3
34.00	40.00	SEDS	Black shale and argillite with light	027850	34.00	36.00	2.00	9.	96.	94.	2400.	0.9
			brown/green shale.	027851	36.00	38.00	2.00	18.	79.	84.	2100.	1.2
				027852	38.00	40.00	2.00	13.	68.	66.	1300.	0.6
40.00	46.00	INT	Limonitic quartz rich porphyritic int-	027853	40.00	42.00	2.00	6.	125.	63.	2400.	0.3
			rusive.	027854	42.00	44.00	2.00	8.	71.	32.	2700.	0.4
44.00	46.00		30% Argillite and shale.	027855	44.00	46.00	2.00	3.	44.	31.	1800.	0.4
46.00	48.00	SEDS	Black argillite and grey/black shale.	027856	46.00	48.00	2.00	4.	71.	23.	1100.	0.3
			5% Limonitic intrusive.									
48.00	50.00	INT	Limonitic quartz rich porphyritic	027857	48.00	50.00	2.00	17.	256.	26.	1200.	0.1
			intrusive. 20% Argillite.									

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-252

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
50.00	52.00	SEDS	Grey/black shale.	027858	50.00	52.00	2.00	13.	115.	44.	1800.	0.4

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PAGE : 1

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-252
Grid System : ORIGINAL
Collar Eastings : 19995.700
Collar Northings : 19999.980
Collar Elevations : 902.380
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2					2.5	5	2													
4.00	6.00	2					2.5	5	2													
6.00	8.00	2					2.5	5	2													
8.00	10.00	2			1		2.5	5	2													
10.00	12.00	2			2		2.5	5	2													
12.00	14.00	2			3		2.5	5	2													
14.00	16.00	2			2		2.5	5	2													
16.00	18.00	2					2.5	5	2													
18.00	20.00	2					2.5	5	2													
20.00	22.00																					
22.00	24.00																					
24.00	26.00							TR	1													
26.00	28.00	2					2.5	5	2.5													
28.00	30.00	2					2.5	5	2.5													
30.00	32.00	2					2.5	5	2.5													
32.00	34.00	2					2.5	5	2.5													
34.00	36.00																					
36.00	38.00																					
38.00	40.00																					
40.00	42.00	2			2		2.5	15	2													
42.00	44.00	2			2		2.5	15	2													
44.00	46.00	2			2		2.5	15	2													
46.00	48.00	2			2		2.5	15	2													
48.00	50.00	1.5			3		2.5	5	2													
50.00	52.00				2																	

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-253
Grid System : ORIGINAL
Collar Eastings : 20845.550
Collar Northings : 19971.920
Collar Elevations : 905.820
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 48.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	40.00	INT	Limonitic quartz rich porphyritic intrusive with abundant rusty quartz.	027859	2.00	4.00	2.00	67.	357.	160.	2700.	0.9
				027860	4.00	6.00	2.00	27.	192.	111.	3300.	1.0
				027861	6.00	8.00	2.00	5.	174.	86.	3100.	0.7
				027862	8.00	10.00	2.00	8.	141.	65.	2800.	0.6
				027863	10.00	12.00	2.00	30.	243.	114.	3300.	0.5
				027864	12.00	14.00	2.00	15.	208.	94.	3200.	0.3
				027865	14.00	16.00	2.00	3.	182.	59.	2000.	0.3
				027866	16.00	18.00	2.00	2.	114.	57.	2300.	0.2
				027867	18.00	20.00	2.00	7.	53.	37.	1900.	0.2
				027868	20.00	22.00	2.00	15.	90.	39.	1400.	0.4
				027869	22.00	24.00	2.00	23.	106.	38.	2000.	0.7
				027870	24.00	26.00	2.00	17.	187.	36.	2800.	0.9
				027871	26.00	28.00	2.00	2.	72.	19.	1300.	0.2
				027872	28.00	30.00	2.00	4.	43.	144.	1100.	0.2
				027873	30.00	32.00	2.00	2.	19.	92.	1050.	0.3
				027874	32.00	34.00	2.00	2.	44.	33.	880.	0.1
				027875	34.00	36.00	2.00	14.	136.	19.	700.	0.4
				027876	36.00	38.00	2.00	2.	136.	32.	860.	0.1
				027877	38.00	40.00	2.00	8.	482.	76.	5000.	2.2
40.00	48.00	ARG	Black argillite and grey/black shale.									
40.00	42.00		20% Quartz and limonitic intrusive.	027878	40.00	42.00	2.00	19.	232.	40.	4900.	3.9
				027879	42.00	44.00	2.00	1.	179.	46.	6200.	6.3
				027880	44.00	46.00	2.00	7.	92.	36.	7400.	4.4
				027881	46.00	48.00	2.00	2.	101.	28.	7000.	1.7

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-253
Grid System : ORIGINAL
Collar Eastings : 20045.550
Collar Northings : 19971.920
Collar Elevations : 905.820
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 48.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES												
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2					2.5	5	2													
4.00	6.00	2					2.5	5	2													
6.00	8.00	2					2.5	5	2													
8.00	10.00	2				2	2.5	5	2													
10.00	12.00	2				1	2.5	5	2													
12.00	14.00	2				1	2.5	5	2													
14.00	16.00	2				1	2.5	5	2													
16.00	18.00	2				1	2.5	5	2													
18.00	20.00	2				2	2.5	5	2													
20.00	22.00	2				2	2.5	5	2													
22.00	24.00	2				2	2.5	5	2													
24.00	26.00	2				2	2.5	5	2													
26.00	28.00	2				3	2.5	5	2													
28.00	30.00	2				3	2.5	5	2													
30.00	32.00	2				3	2.5	5	2													
32.00	34.00	2				3	2.5	5	2													
34.00	36.00	2				2	2.5	5	2													
36.00	38.00	2				2	2.5	5	2													
38.00	40.00	2					2.5	5	2													
40.00	42.00																					
42.00	44.00																					
44.00	46.00																					
46.00	48.00																					

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMNER CREEK
HOLE No. : BCRC 90-254
Grid System : ORIGINAL
Collar Eastings : 20893.690
Collar Northings : 19939.030
Collar Elevations : 906.710
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	8.00	INT	Limonitic quartz rich porphyritic intrusive.	027882	2.00	4.00	2.00	3.	237.	237.	2100.	3.2
				027883	4.00	6.00	2.00	1.	70.	85.	930.	1.8
6.00	8.00		5% Argillite.	027884	6.00	8.00	2.00	20.	117.	107.	1500.	2.1
8.00	12.00	F*INT	Limonitic, black biotite and quartz rich intrusive.	027885	8.00	10.00	2.00	1.	62.	88.	420.	0.8
				027886	10.00	12.00	2.00	1.	30.	70.	1300.	1.2
12.00	18.00	ARG	Black argillite with minor grey shale.	027887	12.00	14.00	2.00	5.	65.	59.	580.	1.9
				027888	14.00	16.00	2.00	2.	94.	52.	330.	1.6
16.00	18.00		30% Limonitic intrusive.	027889	16.00	18.00	2.00	4.	82.	37.	960.	2.2
18.00	22.00	F*INT	Limonitic quartz and bleached biotite rich intrusive.	027890	18.00	20.00	2.00	8.	23.	68.	730.	0.6
20.00	22.00		Fresh black biotite.	027891	20.00	22.00	2.00	4.	9.	54.	200.	0.5
22.00	32.00	INT	Limonitic quartz rich intrusive.									
22.00	28.00		10% White porphyritic intrusive with minor disseminated pyrite.	027892	22.00	24.00	2.00	25.	32.	20.	1300.	0.6
				027893	24.00	26.00	2.00	1.	40.	7.	850.	0.4
				027894	26.00	28.00	2.00	1.	45.	21.	1600.	0.6
				027895	28.00	30.00	2.00	4.	45.	25.	1100.	0.1
				027896	30.00	32.00	2.00	3.	31.	21.	880.	0.1
32.00	40.00	ARG	Black cherty argillite.									
32.00	34.00		40% Limonitic intrusive.	027897	32.00	34.00	2.00	35.	50.	22.	2800.	2.7
				027898	34.00	36.00	2.00	8.	36.	29.	3600.	3.1
				027899	36.00	38.00	2.00	6.	40.	32.	7400.	8.4
				027900	38.00	40.00	2.00	12.	29.	17.	7700.	7.8

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-254
Grid System : ORIGINAL
Collar Eastings : 20093.690
Collar Northings : 19939.830
Collar Elevations : 906.710
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES

FROM	TO	Arg	Sil.	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00	2					2.5	5	1.5	
4.00	6.00	2					2.5	5	1.5	
6.00	8.00	2					2.5	5	1.5	
8.00	10.00	1.5					1	5	1.5	
10.00	12.00	1.5					1	5	1.5	
12.00	14.00									
14.00	16.00									
16.00	18.00							TR		
18.00	20.00	1.5			1	1	3	1.5		
20.00	22.00	1.5			2	1	3	1.5		
22.00	24.00	2.5			3	2	5	2.5		TR
24.00	26.00	2.5			3	2	5	2.5		TR
26.00	28.00	2.5			3	2	5	2.5		TR
28.00	30.00	2.5			3	2	5	2.5		
30.00	32.00	2.5			3	2	5	2.5		
32.00	34.00				3					
34.00	36.00									
36.00	38.00									
38.00	40.00									

GEOTECHNICAL SAMPLES

FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREMNER CREEK
HOLE No. : BCRC 90-255
Grid System : ORIGINAL
Collar Eastings : 19892.750
Collar Northings : 20752.200
Collar Elevations : 1021.890
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	24.00	INT	Limonitic, quartz rich, porphyritic intrusive with abundant yellow/orange and red quartz.	027901	2.00	4.00	2.00	1550.	1072.	69.	4000.	0.2
				027902	4.00	6.00	2.00	2560.	1339.	78.	4300.	0.3
				027903	6.00	8.00	2.00	4850.	2167.	2401.	3400.	0.6
				027904	8.00	10.00	2.00	7760.	2933.	1415.	3500.	1.1
				027905	10.00	12.00	2.00	11350.	3875.	324.	5600.	1.9
				027906	12.00	14.00	2.00	8120.	3184.	85.	4500.	0.9
				027907	14.00	16.00	2.00	6980.	2197.	72.	3600.	0.6
				027908	16.00	18.00	2.00	5440.	2266.	100.	3200.	0.4
				027909	18.00	20.00	2.00	5220.	1938.	114.	3500.	0.5
				027910	20.00	22.00	2.00	5300.	2130.	203.	3300.	0.7
22.00	24.00		20% Rusty red quartz.	027911	22.00	24.00	2.00	14180.	3693.	138.	3000.	1.6
24.00	28.00	ARG	Black argillite.	027912	24.00	26.00	2.00	480.	627.	128.	4800.	1.6
26.00	28.00		20% Limonitic intrusive.	027913	26.00	28.00	2.00	200.	444.	105.	2900.	1.1
28.00	40.00	INT	Limonitic, quartz rich, porphyritic intrusive.	027914	28.00	30.00	2.00	150.	176.	40.	1700.	0.2
				027915	30.00	32.00	2.00	150.	126.	32.	1300.	0.4
				027916	32.00	34.00	2.00	27.	84.	16.	1400.	0.1
				027917	34.00	36.00	2.00	28.	99.	27.	1800.	0.2
36.00	38.00		5% White, porphyritic intrusive with minor disseminated pyrite.	027918	36.00	38.00	2.00	78.	110.	26.	2500.	0.1
				027919	38.00	40.00	2.00	21.	147.	38.	1600.	0.2
40.00	52.00	F*INT	Green, limonitic, porphyritic intrusive with abundant black biotite.	027920	40.00	42.00	2.00	21.	62.	46.	590.	0.3
				027921	42.00	44.00	2.00	1.	48.	24.	470.	0.2
				027922	44.00	46.00	2.00	19.	45.	20.	780.	0.1
46.00	48.00		5% White, porphyritic, intrusive with minor disseminated pyrite.	027923	46.00	48.00	2.00	1.	56.	21.	1800.	0.1
				027924	48.00	50.00	2.00	24.	68.	33.	1100.	0.2
				027925	50.00	52.00	2.00	10.	38.	27.	460.	0.2

BORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-255
Grid System : ORIGINAL
Collar Eastings : 19892.750
Collar Northings : 28752.200
Collar Elevations : 1021.890
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2.5					3	5	2.5													
4.00	6.00	2.5					3	5	2.5													
6.00	8.00	2.5					3	5	2.5													
8.00	10.00	2.5					3	5	2.5													
10.00	12.00	2.5					3	5	2.5													
12.00	14.00	2.5					3	5	2.5													
14.00	16.00	2.5					3	3	2.5													
16.00	18.00	2.5					3	3	2.5													
18.00	20.00	2.5					3	3	2.5													
20.00	22.00	2.5					3	3	2.5													
22.00	24.00	2.5					3	5	2.5													
24.00	26.00																					
26.00	28.00																					
28.00	30.00	2			2		2	3	1.5													
30.00	32.00	2			2		2	3	1.5													
32.00	34.00	2			3		2	3	1.5													
34.00	36.00	2			3		2	3	1.5													
36.00	38.00	2			3		1.5	1	2	TR												
38.00	40.00	2			3		2	3	2													
40.00	42.00	1.5			3		1	2	1													
42.00	44.00	1.5			3		1	2	1													
44.00	46.00	1.5			3		1	2	1													
46.00	48.00	1.5			3		1	2	1	TR												
48.00	50.00	1.5			3		1	2	1													
50.00	52.00	1.5			3		1	2	1													

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-256
Grid System : ORIGINAL
Collar Eastings : 19965.710
Collar Northings : 20754.390
Collar Elevations : 1031.400
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 60.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	St ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	8.00	F*INT	Limonitic, quartz and black biotite rich, porphyritic intrusive.	027927	2.00	4.00	2.00	13.	211.	64.	2100.	0.7
				027928	4.00	6.00	2.00	26.	234.	46.	130.	0.2
				027929	6.00	8.00	2.00	33.	406.	88.	720.	0.1
8.00	10.00	INT	Limonitic, quartz rich, intrusive with minor grey sericite.	027930	8.00	10.00	2.00	41.	393.	45.	1100.	0.1
10.00	16.00	SEDS	Black/grey shale, black argillite and soft grey barite.	027931	10.00	12.00	2.00	440.	540.	47.	1800.	0.7
				027932	12.00	14.00	2.00	7.	101.	20.	1400.	0.3
				027933	14.00	16.00	2.00	13.	168.	22.	1050.	0.3
16.00	22.00	INT	Limonitic, quartz rich, porphyritic intrusive.	027934	16.00	18.00	2.00	220.	571.	50.	3300.	0.1
				027935	18.00	20.00	2.00	39.	530.	53.	2200.	0.1
				027936	20.00	22.00	2.00	52.	589.	61.	1700.	0.3
22.00	26.00	F*INT	Limonitic, black biotite and quartz rich, porphyritic intrusive.									
22.00	24.00		Trace of black biotite.	027937	22.00	24.00	2.00	47.	728.	79.	1200.	0.2
				027938	24.00	26.00	2.00	80.	691.	128.	1300.	0.1
26.00	34.00	INT	Limonitic, quartz rich, porphyritic intrusive with abundant red rusty quartz.									
26.00	32.00		5% Black biotite.	027939	26.00	28.00	2.00	1070.	866.	252.	2800.	0.6
				027940	28.00	30.00	2.00	520.	999.	181.	4500.	0.7
				027941	30.00	32.00	2.00	930.	1299.	156.	3000.	1.0
32.00	34.00		30% Black argillite.	027942	32.00	34.00	2.00	1220.	1718.	93.	3200.	1.2
34.00	36.00	ARG	Black argillite with 40% limonitic intrusive and rusty quartz.	027943	34.00	36.00	2.00	320.	1011.	57.	3200.	1.7
36.00	42.00	INT	Limonitic quartz rich intrusive.	027944	36.00	38.00	2.00	820.	1492.	86.	4200.	0.6
				027945	38.00	40.00	2.00	1780.	1451.	23.	2700.	0.7
40.00	42.00		70% Quartz and 10% black argillite.	027946	40.00	42.00	2.00	820.	355.	25.	3600.	1.5

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-256

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
42.00	44.00	ARG	Black cherty argillite.	027947	42.00	44.00	2.00	84.	446.	29.	5700.	3.0
44.00	54.00	INT	Limonitic, quartz rich, intrusive with	027948	44.00	46.00	2.00	380.	939.	22.	2800.	0.6
			abundant yellow and rusty orange quartz.	027949	46.00	48.00	2.00	410.	995.	22.	2900.	0.5
			Contains minor amounts of disseminated pyrite.	027950	48.00	50.00	2.00	120.	1624.	114.	2800.	3.2
50.00	52.00		10% Argillite.	027951	50.00	52.00	2.00	140.	319.	39.	3000.	2.4
52.00	54.00		20% Argillite.	027952	52.00	54.00	2.00	120.	125.	36.	2200.	0.9
54.00	60.00	ARG	Black argillite.	027953	54.00	56.00	2.00	59.	55.	29.	3300.	0.9
				027954	56.00	58.00	2.00	43.	42.	25.	3900.	0.7
				027955	58.00	60.00	2.00	29.	57.	44.	14000.	3.6

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMERY CREEK
HOLE No. : BCRC 90-256
Grid System : ORIGINAL
Collar Eastings : 19965.710
Collar Northings : 20754.390
Collar Elevations : 1031.480
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 60.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.00	4.00	1.5					1	3	2														
4.00	6.00	1.5					1	3	2														
6.00	8.00	1.5					1	3	2														
8.00	10.00	2					2	3	2														
10.00	12.00																						
12.00	14.00																						
14.00	16.00																						
16.00	18.00	2					2.5	5	2														
18.00	20.00	2			1		2.5	5	2														
20.00	22.00	2			2		2.5	5	2														
22.00	24.00	1			1		1	3	1														
24.00	26.00	1					1	3	1														
26.00	28.00	2					3	5	3														
28.00	30.00	2					2.5	5	2														
30.00	32.00	2					2.5	5	2														
32.00	34.00	2					2.5	5	2														
34.00	36.00																						
36.00	38.00	2					2.5	3	2														
38.00	40.00	2					2.5	3	2														
40.00	42.00																						
42.00	44.00																						
44.00	46.00	2.5			2		3.5	3	3	TR													
46.00	48.00	2.5			3		3.5	3	3	TR													
48.00	50.00	2.5			1		3.5	3	3	TR													
50.00	52.00	2.5					3.5	3	3	TR													
52.00	54.00	2.5					3.5	3	3	TR													
54.00	56.00																						
56.00	58.00																						

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES												
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
58.00	60.00																						

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-257
Grid System : ORIGINAL
Collar Eastings : 20754.240
Collar Northings : 19945.170
Collar Elevations : 1032.120
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 58.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	6.00	F*INT	Green, black biotite rich, porphyritic intrusive.	027956	2.00	4.00	2.00	67.	55.	20.	400.	0.3
4.00	6.00		50% Limonitic altered intrusive which lacks biotite.	027957	4.00	6.00	2.00	21.	229.	120.	2200.	0.2
6.00	18.00	INT	Limonitic, quartz rich, porphyritic intrusive with abundant red, yellow and rusty orange quartz.	027958	6.00	8.00	2.00	6990.	1789.	923.	3400.	1.0
				027959	8.00	10.00	2.00	250.	385.	448.	5100.	0.2
				027960	10.00	12.00	2.00	390.	600.	294.	4600.	0.4
				027961	12.00	14.00	2.00	21100.	2793.	510.	5400.	1.4
				027962	14.00	16.00	2.00	5070.	1298.	263.	3600.	0.5
16.00	18.00		30% Black argillite.	027963	16.00	18.00	2.00	620.	396.	106.	4000.	0.8
18.00	20.00	ARG	Black argillite with 40% limonitic intrusive and 10% soft grey barite.	027964	18.00	20.00	2.00	520.	183.	55.	2900.	0.5
20.00	26.00	SEDS	Grey barite, black argillite, minor grey shale.	027965	20.00	22.00	2.00	53.	35.	15.	1300.	0.5
				027966	22.00	24.00	2.00	67.	95.	22.	660.	0.5
24.00	26.00		40% Limonitic, black biotite rich, intrusive.	027967	24.00	26.00	2.00	61.	182.	31.	460.	0.2
26.00	42.00	F*INT	Brown/green, black biotite rich, porphyritic intrusive.	027968	26.00	28.00	2.00	29.	57.	20.	150.	0.1
				027969	28.00	30.00	2.00	77.	36.	31.	60.	0.2
				027970	30.00	32.00	2.00	58.	30.	22.	90.	0.2
				027971	32.00	34.00	2.00	12.	58.	22.	190.	0.1
				027972	34.00	36.00	2.00	68.	32.	22.	200.	0.1
				027973	36.00	38.00	2.00	81.	85.	27.	1200.	0.3
				027974	38.00	40.00	2.00	67.	83.	43.	500.	0.4
40.00	42.00		Biotite is altering to silvery/white sericite.	027975	40.00	42.00	2.00	64.	130.	29.	800.	0.2
42.00	52.00	INT	Limonitic, quartz and sericite rich, porphyritic intrusive.									
42.00	44.00		10% White, quartz/feldspar, porphyritic	027976	42.00	44.00	2.00	140.	83.	15.	1600.	0.2

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			intrusive with minor disseminated pyrite.	027977	44.00	46.00	2.00	18.	257.	41.	3300.	0.2
				027978	46.00	48.00	2.00	45.	126.	23.	1200.	0.2
				027979	48.00	50.00	2.00	120.	282.	23.	2400.	0.2
				027980	50.00	52.00	2.00	120.	239.	30.	2300.	0.3
52.00	58.00	F*INT	Brown/green, black biotite rich, porphyritic intrusive.	027981	52.00	54.00	2.00	39.	215.	31.	500.	0.1
				027982	54.00	56.00	2.00	47.	245.	31.	1100.	0.1
56.00	58.00		Biotite altering to sericite, 5% white quartz feldspar porphyry with minor disseminated pyrite.	027983	56.00	58.00	2.00	17.	119.	23.	780.	0.1

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-257
Grid System : ORIGINAL
Collar Eastings : 20754.240
Collar Northings : 19945.170
Collar Elevations : 1032.120
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 58.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	GEOTECHNICAL SAMPLES Reco-very %	Lim %	Break-age	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00							TR														
4.00	6.00							TR														
6.00	8.00	1.5					2	3	2.5													
8.00	10.00	1.5					2	3	2													
10.00	12.00	1.5					2	3	2													
12.00	14.00	1.5					2	3	2													
14.00	16.00	1.5					2	3	2													
16.00	18.00	1.5					2	3	2													
18.00	20.00																					
20.00	22.00																					
22.00	24.00																					
24.00	26.00				1																	
26.00	28.00				2			TR														
28.00	30.00				2			TR														
30.00	32.00				3			TR														
32.00	34.00				3			TR														
34.00	36.00				3			TR														
36.00	38.00				3			TR														
38.00	40.00				3			TR														
40.00	42.00				3		1	TR														
42.00	44.00	2			3		2	3	2													
44.00	46.00	2			3		2	3	2	TR												
46.00	48.00	2			3		2	3	2													
48.00	50.00	2			3		2	3	2													
50.00	52.00	2			3		2	3	2													
52.00	54.00				3																	
54.00	56.00				3																	
56.00	58.00				3		1			TR												

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCEC 98-258
Grid System : ORIGINAL
Collar Eastings : 20751.860
Collar Northings : 19916.810
Collar Elevations : 1026.780
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	18.00	INT	Limonitic, quartz rich, porphyritic intrusive with abundant rusty orange quartz.	027984	2.00	4.00	2.00	9.	452.	51.	1400.	0.4
				027985	4.00	6.00	2.00	820.	1377.	51.	2800.	0.6
				027986	6.00	8.00	2.00	17.	299.	31.	2600.	0.1
8.00	16.00		5% White quartz feldspar porphyry with minor disseminated pyrite.	027987	8.00	10.00	2.00	12.	105.	17.	2500.	0.3
				027988	10.00	12.00	2.00	17.	136.	20.	1700.	0.3
				027989	12.00	14.00	2.00	410.	739.	21.	1500.	0.3
14.00	18.00		70% Rusty orange quartz with a trace of green quartz. Rusty disseminated pyrite present.	027990	14.00	16.00	2.00	41.	921.	49.	2800.	0.3
				027991	16.00	18.00	2.00	42.	1131.	95.	2500.	0.4
18.00	20.00	ARG	Black argillite with 10% limonitic intrusive.	027992	18.00	20.00	2.00	38.	454.	75.	2300.	0.4
20.00	32.00	INT	Limonitic quartz rich porphyritic intrusive.	027993	20.00	22.00	2.00	23.	321.	36.	2100.	0.4
				027994	22.00	24.00	2.00	27.	154.	28.	480.	0.2
24.00	28.00		25% Grey/white, quartz feldspar porphyry with minor disseminated pyrite.	027995	24.00	26.00	2.00	5.	64.	16.	300.	0.3
				027996	26.00	28.00	2.00	1.	53.	23.	180.	0.2
28.00	30.00		20% Black argillite.	027997	28.00	30.00	2.00	4.	182.	20.	1300.	0.3
30.00	32.00		40% Black argillite.	027998	30.00	32.00	2.00	6.	111.	24.	1180.	0.5
32.00	34.00	ARG	Black argillite with abundant grey quartz veining and 10% limonitic intrusive.	027999	32.00	34.00	2.00	2.	110.	17.	650.	0.4
34.00	50.00	F*INT	Green to blue/grey, black biotite rich, porphyritic intrusive.									
34.00	38.00		90% Limonitic, biotite rich, porphyritic intrusive.	028000	34.00	36.00	2.00	2.	202.	22.	830.	0.2
				028001	36.00	38.00	2.00	3.	59.	23.	460.	0.3
				028002	38.00	40.00	2.00	1.	32.	16.	150.	0.2
				028003	40.00	42.00	2.00	5.	26.	13.	100.	0.3
				028004	42.00	44.00	2.00	5.	25.	21.	120.	0.3
				028005	44.00	46.00	2.00	2.	31.	26.	90.	0.2
				028006	46.00	48.00	2.00	5.	28.	23.	110.	0.3

HORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMNER CREEK
HOLE No. : BCRC 90-258

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				028007	48.00	50.00	2.00	5.	23.	37.	90.	0.2

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-258
Grid System : ORIGINAL
Collar Eastings : 20751.860
Collar Northings : 19916.010
Collar Elevations : 1026.780
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : HC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2.5					3	3	2													
4.00	6.00	2.5					3	3	2													
6.00	8.00	2.5					3	3	2													
8.00	10.00	2.5					3	3	2	TR												
10.00	12.00	2.5					3	3	2													
12.00	14.00	2.5					3	5	2													
14.00	16.00	2.5					3	10	3.5	TR												
16.00	18.00	2.5					3	10	3.5	TR												
18.00	20.00																					
20.00	22.00	2					2	3	1.5													
22.00	24.00	2					2	3	1.5													
24.00	26.00	2					2	3	1.5													
26.00	28.00	2					2	3	1.5													
28.00	30.00	2					2	3	1.5													
30.00	32.00	2					2	3	1.5													
32.00	34.00																					
34.00	36.00							1														
36.00	38.00							1														
38.00	40.00																					
40.00	42.00																					
42.00	44.00																					
44.00	46.00																					
46.00	48.00																					
48.00	50.00																					

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-259
Grid System : ORIGINAL
Collar Eastings : 20755.700
Collar Northings : 19995.920
Collar Elevations : 1031.170
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 58.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	4.00	F'INT	Limonitic porphyritic intrusive with abundant bleached biotite. 5% Green, black biotite rich, intrusive.	028008	2.00	4.00	2.00	1550.	1450.	27.	3700.	0.9
4.00	10.00	INT	Limonitic quartz rich intrusive.	028009	4.00	6.00	2.00	950.	1265.	35.	2300.	0.5
				028010	6.00	8.00	2.00	2320.	2232.	60.	5400.	0.7
8.00	10.00		35% Black cherty argillite.	028011	8.00	10.00	2.00	1540.	1021.	48.	4800.	1.5
10.00	22.00	ARG	Black cherty argillite.	028012	10.00	12.00	2.00	29.	109.	21.	8200.	1.4
				028013	12.00	14.00	2.00	12.	55.	8.	9300.	1.9
				028014	14.00	16.00	2.00	22.	67.	10.	12400.	2.2
				028015	16.00	18.00	2.00	67.	112.	21.	9600.	2.5
				028016	18.00	20.00	2.00	28.	109.	20.	8700.	1.5
				028017	20.00	22.00	2.00	42.	92.	19.	8200.	1.0
22.00	26.00	SEDS	Grey/black shale, brown shale.	028018	22.00	24.00	2.00	21.	52.	15.	7300.	1.0
24.00	26.00		30% Grey barite.	028019	24.00	26.00	2.00	18.	46.	12.	3500.	0.6
26.00	34.00	BARITE	Grey\white barite with minor brown shale.	028020	26.00	28.00	2.00	16.	77.	33.	4300.	0.4
				028021	28.00	30.00	2.00	9.	79.	26.	4700.	0.5
				028022	30.00	32.00	2.00	6.	30.	8.	880.	0.1
32.00	34.00		10% Black and brown shale, 10% limonitic vuggy quartz.	028023	32.00	34.00	2.00	21.	78.	17.	2600.	0.8
34.00	38.00	SEDS	Grey shale with minor brown shale.									
34.00	38.00		10% Pinkish brown, limonitic vuggy quartz.	028024	34.00	36.00	2.00	24.	74.	15.	3100.	0.6
				028025	36.00	38.00	2.00	16.	25.	10.	1500.	0.5
38.00	40.00	INT	Greenish brown, quartz rich intrusive with abundant vuggy limonitic quartz.	028026	38.00	40.00	2.00	32.	80.	22.	4600.	1.2
40.00	44.00	SEDS	Grey shale, brown shale with minor dark grey barite.	028027	40.00	42.00	2.00	34.	223.	19.	1800.	1.0
				028028	42.00	44.00	2.00	46.	205.	18.	1500.	0.8

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 98-259

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
44.00	48.00	BARITE	Grey to brownish/white bedded barite.									
44.00	46.00		10% Grey and green/grey shale.	028029	44.00	46.00	2.00	19.	82.	9.	550.	0.3
				028030	46.00	48.00	2.00	7.	32.	9.	400.	0.3
48.00	52.00	INT	Limonitic, quartz rich, intrusive.	028031	48.00	50.00	2.00	13.	79.	15.	1700.	0.4
			40% Grey and brown shale with abundant rusty and vuggy quartz.	028032	50.00	52.00	2.00	8.	99.	13.	360.	0.5
52.00	58.00	SEDS	Grey shale with minor brown and green/ grey shale.	028033	52.00	54.00	2.00	13.	53.	9.	1300.	0.5
				028034	54.00	56.00	2.00	9.	32.	8.	1100.	0.6
				028035	56.00	58.00	2.00	11.	35.	9.	300.	0.7

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-259
Grid System : ORIGINAL
Collar Eastings : 20755.700
Collar Northings : 19995.920
Collar Elevations : 1031.170
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 58.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	1			3																	
4.00	6.00	1.5			3	2																
6.00	8.00	1.5			3	2																
8.00	10.00	1.5			1	2																
10.00	12.00																					
12.00	14.00																					
14.00	16.00																					
16.00	18.00																					
18.00	20.00																					
20.00	22.00																					
22.00	24.00																					
24.00	26.00																					
26.00	28.00																					
28.00	30.00																					
30.00	32.00																					
32.00	34.00																					
34.00	36.00																					
36.00	38.00																					
38.00	40.00	2.5					3															
40.00	42.00																					
42.00	44.00																					
44.00	46.00				1																	
46.00	48.00				2																	
48.00	50.00	2.5			3		3															
50.00	52.00	2.5			3		3															
52.00	54.00				1																	
54.00	56.00				3																	
56.00	58.00				3																	

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-260
Grid System : ORIGINAL
Collar Eastings : 20637.940
Collar Northings : 19969.960
Collar Elevations : 975.820
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	4.00	INT	Limonitic, quartz rich, intrusive with 20% black argillite.	028036	2.00	4.00	2.00	12.	58.	12.	610.	0.8
4.00	6.00	ARG	Black cherty argillite with 10% limonitic intrusive.	028037	4.00	6.00	2.00	14.	55.	19.	1800.	1.4
6.00	28.00	INT	Limonitic quartz rich intrusive.									
6.00	8.00		45% Black argillite.	028038	6.00	8.00	2.00	19.	75.	23.	1200.	2.1
8.00	10.00		10% Grey quartz.	028039	8.00	10.00	2.00	40.	316.	22.	1300.	1.7
				028040	10.00	12.00	2.00	11.	217.	12.	1400.	0.5
12.00	14.00		50% Rusty red quartz.	028041	12.00	14.00	2.00	1860.	3316.	25.	1600.	0.6
14.00	16.00		5% White quartz feldspar porphyry with minor disseminated pyrite.	028042	14.00	16.00	2.00	110.	851.	15.	1200.	0.4
				028043	16.00	18.00	2.00	240.	968.	25.	1400.	0.6
18.00	20.00		20% Black argillite.	028044	18.00	20.00	2.00	110.	381.	22.	1600.	0.5
20.00	22.00		5% White quartz feldspar porphyry with disseminated pyrite.	028045	20.00	22.00	2.00	22.	76.	12.	460.	0.4
22.00	26.00		40% White quartz feldspar porphyry with disseminated pyrite.	028046	22.00	24.00	2.00	58.	161.	13.	780.	0.4
				028047	24.00	26.00	2.00	6.	68.	19.	810.	0.6
				028048	26.00	28.00	2.00	22.	111.	24.	930.	0.5
28.00	46.00	SEDS	Grey chert. Abundant white quartz with spotty rusty red disseminated pyrite and rusty quartz. Minor black argillite.									
28.00	30.00		30% Limonitic intrusive.	028049	28.00	30.00	2.00	120.	295.	51.	3000.	1.4
				028050	30.00	32.00	2.00	36.	147.	48.	2800.	1.0
				028051	32.00	34.00	2.00	47.	247.	54.	2100.	0.6
				028052	34.00	36.00	2.00	29.	212.	43.	1800.	0.9
				028053	36.00	38.00	2.00	52.	291.	32.	1600.	1.2
				028054	38.00	40.00	2.00	37.	304.	49.	2900.	2.2
				028055	40.00	42.00	2.00	66.	192.	55.	1400.	3.1
				028056	42.00	44.00	2.00	60.	161.	36.	2300.	2.4
				028057	44.00	46.00	2.00	110.	240.	30.	5600.	2.6
46.00	48.00	ARG	Black cherty argillite with minor rusty	028058	46.00	48.00	2.00	88.	378.	36.	3100.	2.1

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			intrusive.									
48.00	52.00	F*INT	Grey, black biotite and quartz rich, porphyritic intrusive with abundant rusty and red quartz.	028059	48.00	50.00	2.00	48.	327.	39.	1800.	1.9
50.00	52.00		20% Green, black biotite rich, intrusive.	028060	50.00	52.00	2.00	74.	395.	63.	1600.	2.7

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-260
Grid System : ORIGINAL
Collar Eastings : 20637.940
Collar Northings : 19969.960
Collar Elevations : 975.820
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

FROM	TO	Arg	Sil	Serc	GEOCHEMICAL SAMPLES Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00	2					3	5	2	
4.00	6.00									
6.00	8.00	2					3	5	2	
8.00	10.00	2					3	5	2	
10.00	12.00	2					3	5	2	
12.00	14.00	2			3		3	5	3	
14.00	16.00	2			3		3	3	3	
16.00	18.00	2			3		3	3	3	
18.00	20.00	2			3		3	3	1	
20.00	22.00	2			3		3	3	2	
22.00	24.00	2			3		3	3	2	
24.00	26.00	2			1		3	3	2	
26.00	28.00	2					3	3	2	
28.00	30.00							TR	3	TR
30.00	32.00							TR	3	TR
32.00	34.00							TR	3	TR
34.00	36.00							TR	3	TR
36.00	38.00							TR	3	TR
38.00	40.00							TR	3	TR
40.00	42.00							TR	3	TR
42.00	44.00							TR	3	TR
44.00	46.00							TR	3	TR
46.00	48.00									
48.00	50.00							TR		
50.00	52.00							TR		

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

Hole No: BCRC 90-260

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-261
Grid System : ORIGINAL
Collar Eastings : 20635.410
Collar Northings : 19943.430
Collar Elevations : 975.640
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 58.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	12.00	ARG	Black argillite.	028061	2.00	4.00	2.00	53.	81.	24.	740.	0.1
				028062	4.00	6.00	2.00	19.	36.	16.	1600.	0.2
				028063	6.00	8.00	2.00	29.	26.	14.	1700.	0.6
				028064	8.00	10.00	2.00	12.	41.	20.	2100.	0.4
10.00	12.00		10% Limonitic intrusive.	028065	10.00	12.00	2.00	490.	716.	97.	3200.	1.3
12.00	14.00	INT	Limonitic quartz rich intrusive with abundant rusty orange quartz.	028066	12.00	14.00	2.00	2360.	979.	178.	3800.	1.0
14.00	22.00	ARG	Black argillite.	028067	14.00	16.00	2.00	110.	316.	36.	5200.	2.6
				028068	16.00	18.00	2.00	62.	245.	24.	2100.	2.2
				028069	18.00	20.00	2.00	66.	382.	55.	1400.	1.3
				028070	20.00	22.00	2.00	49.	153.	30.	1200.	2.7
22.00	26.00	SEDS	Grey shale, green shale, with minor grey mudstone and grey chert.									
22.00	26.00		20% Limonitic intrusive.	028071	22.00	24.00	2.00	71.	334.	48.	3600.	2.4
				028072	24.00	26.00	2.00	38.	184.	32.	2500.	0.7
26.00	30.00	INT	Limonitic quartz rich intrusive.									
26.00	28.00		40% Dark sediments.	028073	26.00	28.00	2.00	36.	174.	20.	1600.	0.9
28.00	30.00		5% Blue/white quartz feldspar porphyry with minor disseminated pyrite.	028074	28.00	30.00	2.00	9.	57.	12.	810.	1.3
30.00	34.00	QFP	Blue/white quartz feldpsar porphyry with abundant disseminated pyrite and white sericite. 40% Limonitic intrusive.	028075	30.00	32.00	2.00	5.	36.	9.	410.	1.0
				028076	32.00	34.00	2.00	5.	30.	9.	230.	0.9
34.00	38.00	ARG	Black cherty argillite.									
34.00	36.00		10% Limonitic intrusive.	028077	34.00	36.00	2.00	8.	128.	20.	540.	1.4
36.00	38.00		40% Limonitic intrusive.	028078	36.00	38.00	2.00	25.	104.	23.	930.	1.5
38.00	48.00	QFP	White/grey quartz rich porphyritic int-									

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			rusive with abundant disseminated pyrite.									
38.00	42.00		90% Limonitic quartz rich intrusive with abundant disseminated pyrite.	028079	38.00	40.00	2.00	5.	144.	12.	190.	1.1
				028080	40.00	42.00	2.00	120.	790.	24.	80.	1.4
42.00	46.00		30% Limonitic quartz rich intrusive with abundant disseminated pyrite.	028081	42.00	44.00	2.00	33.	220.	15.	80.	1.0
				028082	44.00	46.00	2.00	51.	215.	18.	120.	1.3
46.00	48.00		90% Limonitic intrusive with abundant disseminated pyrite.	028083	46.00	48.00	2.00	4.	58.	15.	180.	1.0
48.00	50.00	SEDS	Grey chert with abundant white and rusty quartz.									
48.00	50.00		20% Limonitic intrusive.	028084	48.00	50.00	2.00	13.	157.	30.	1900.	1.4
				028085	50.00	52.00	2.00	7.	108.	19.	360.	1.0
				028086	52.00	54.00	2.00	21.	127.	25.	4300.	1.4
				028087	54.00	56.00	2.00	470.	170.	28.	22000.	2.9
				028088	56.00	58.00	2.00	44.	160.	19.	3900.	1.1

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREMNER CREEK
HOLE No. : BCRC 90-261
Grid System : ORIGINAL
Collar Eastings : 20635.410
Collar Northings : 19943.430
Collar Elevations : 975.640
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 58.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00																					
4.00	6.00																					
6.00	8.00																					
8.00	10.00																					
10.00	12.00																					
12.00	14.00	3					3	10	3													
14.00	16.00																					
16.00	18.00																					
18.00	20.00																					
20.00	22.00																					
22.00	24.00																					
24.00	26.00																					
26.00	28.00	2					3	5	2													
28.00	30.00	2				3	3	5	2													
30.00	32.00	2				3	3	TR	1.5													
32.00	34.00	2				3	3	TR	1.5													
34.00	36.00					3																
36.00	38.00					3																
38.00	40.00	2				3	3	5	2	5												
40.00	42.00	2				3	3	5	2	5												
42.00	44.00	1.5				3	3	3	2	5												
44.00	46.00	1.5				3	3	3	2	5												
46.00	48.00	2				3	3	5	2	3												

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
48.00	50.00				3			2		TR													
50.00	52.00				1			2		TR													
52.00	54.00							2		TR													
54.00	56.00							2		TR													
56.00	58.00							2		TR													

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-262
Grid System : ORIGINAL
Collar Eastings : 20635.450
Collar Northings : 19918.790
Collar Elevations : 979.910
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 58.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	8.00	ARG	Black argillite.	028089	2.00	4.00	2.00	16.	70.	15.	520.	0.2
				028090	4.00	6.00	2.00	20.	75.	18.	580.	0.9
6.00	8.00		30% Limonitic intrusive.	028091	6.00	8.00	2.00	17.	130.	30.	180.	0.7
8.00	22.00	INT	Limonitic quartz rich porphyritic intrusive.									
8.00	10.00		40% Black argillite.	028092	8.00	10.00	2.00	10.	167.	27.	1100.	0.5
				028093	10.00	12.00	2.00	12.	251.	30.	810.	0.3
				028094	12.00	14.00	2.00	4.	72.	17.	780.	0.5
				028095	14.00	16.00	2.00	6.	24.	11.	830.	1.2
				028096	16.00	18.00	2.00	7.	60.	16.	550.	1.1
				028097	18.00	20.00	2.00	6.	58.	16.	700.	1.1
				028098	20.00	22.00	2.00	27.	149.	23.	620.	1.0
22.00	32.00	ARG	Black argillite, grey black shale, and light grey mudstone.									
22.00	24.00		25% Limonitic intrusive.	028099	22.00	24.00	2.00	8.	42.	16.	540.	1.3
				028100	24.00	26.00	2.00	7.	41.	12.	820.	1.7
				028101	26.00	28.00	2.00	9.	45.	28.	1400.	1.6
				028102	28.00	30.00	2.00	60.	125.	56.	2400.	1.5
30.00	32.00		10% Limonitic intrusive.	028103	30.00	32.00	2.00	480.	736.	151.	1900.	2.9
32.00	48.00	INT	Limonitic quartz rich intrusive with abundant rusty red/orange quartz.	028104	32.00	34.00	2.00	3320.	2570.	2359.	3400.	2.3
				028105	34.00	36.00	2.00	4870.	2721.	5275.	3800.	2.6
				028106	36.00	38.00	2.00	2650.	1943.	1489.	2300.	1.4
				028107	38.00	40.00	2.00	2460.	2019.	643.	1600.	1.5
				028108	40.00	42.00	2.00	3560.	2842.	1839.	2700.	1.4
				028109	42.00	44.00	2.00	4670.	2344.	369.	2300.	1.7
44.00	46.00		15% Black argillite.	028110	44.00	46.00	2.00	580.	912.	111.	2100.	0.5
				028111	46.00	48.00	2.00	2150.	1805.	167.	3500.	0.8
48.00	58.00	ARG	Black cherty argillite.	028112	48.00	50.00	2.00	98.	365.	69.	5400.	1.5
50.00	52.00		10% Limonitic intrusive with abundant	028113	50.00	52.00	2.00	1580.	1060.	79.	7600.	1.6

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-262

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			black clay.	028114	52.00	54.00	2.00	290.	460.	49.	3700.	2.0
				028115	54.00	56.00	2.00	320.	494.	57.	3500.	2.0
				028116	56.00	58.00	2.00	71.	228.	28.	1100.	0.9

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-262
Grid System : ORIGINAL
Collar Eastings : 20635.450
Collar Northings : 19918.790
Collar Elevations : 979.910
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 58.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

FROM	TO	Arg	Sil	Serc	GEOCHEMICAL SAMPLES Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00									
4.00	6.00									
6.00	8.00									
8.00	10.00	2			1	2	3	1.5		
10.00	12.00	2			2	2	3	1.5		
12.00	14.00	2			3	2	3	1.5		
14.00	16.00	2			3	2	3	1.5		
16.00	18.00	2			3	2	3	1.5		
18.00	20.00	2			3	2	3	1.5		
20.00	22.00	2			3	2	3	1.5		
22.00	24.00				2					
24.00	26.00									
26.00	28.00									
28.00	30.00									
30.00	32.00									
32.00	34.00	3				3	10	3		
34.00	36.00	3			1	3	10	3		
36.00	38.00	3			1	3	10	3		
38.00	40.00	3			2	3	10	3		
40.00	42.00	3			3	2	5	2		
42.00	44.00	3			3	2	5	2		
44.00	46.00	3			3	2	5	2		
46.00	48.00	3			3	2	5	2		
48.00	50.00									
50.00	52.00									
52.00	54.00									
54.00	56.00									
56.00	58.00									

FROM	TO	Recovery %	Lim %	Breakage	Sx %	GEOTECHNICAL SAMPLES Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-263
Grid System : ORIGINAL
Collar Eastings : 20634.250
Collar Northings : 19891.960
Collar Elevations : 979.690
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	4.00	INT	Limonitic quartz rich intrusive with 5% black argillite.	028117	2.00	4.00	2.00	140.	666.	106.	1900.	1.0
4.00	6.00	ARG	Black argillite with abundant black clay.									
4.00	6.00		30% Limonitic intrusive.	028118	4.00	6.00	2.00	260.	508.	72.	2600.	0.9
6.00	10.00	INT	Limonitic quartz rich intrusive.									
6.00	8.00		40% Black argillite and black clay.	028119	6.00	8.00	2.00	240.	462.	88.	1600.	0.6
8.00	10.00		40% Black argillite.	028120	8.00	10.00	2.00	69.	303.	49.	780.	0.4
10.00	16.00	SEDS	Grey black shale, black argillite, light	028121	10.00	12.00	2.00	43.	139.	23.	1400.	1.2
			grey mudstone.	028122	12.00	14.00	2.00	28.	83.	17.	2200.	1.8
14.00	16.00		10% Limonitic intrusive.	028123	14.00	16.00	2.00	20.	107.	24.	2600.	1.5
16.00	20.00	INT	Limonitic quartz rich porphyritic int-	028124	16.00	18.00	2.00	120.	467.	36.	3100.	1.3
			rusive with abundant rusty and orange	028125	18.00	20.00	2.00	71.	267.	26.	1500.	0.8
			quartz.									
20.00	22.00	ARG	Black cherty argillite. with 15% limonitic	028126	20.00	22.00	2.00	14.	74.	13.	2100.	1.6
			intrusive.									
22.00	24.00	SEDS	Soft, light grey mudstone with minor black	028127	22.00	24.00	2.00	14.	95.	16.	1800.	1.0
			argillite.									
24.00	38.00	INT	Limonitic quartz rich intrusive with 10%	028128	24.00	26.00	2.00	16.	114.	37.	470.	0.3
			argillite and mudstone.	028129	26.00	28.00	2.00	9.	33.	51.	160.	0.1
28.00	38.00		30% Grey/white quartz feldspar porphyry	028130	28.00	30.00	2.00	58.	195.	53.	270.	0.3
			with sericite and spotty disseminated	028131	30.00	32.00	2.00	93.	235.	39.	280.	0.4
			pyrite.									
32.00	34.00		5% Grey/white quartz feldspar porphyry	028132	32.00	34.00	2.00	18.	35.	20.	80.	0.6
			with sericite and spotty disseminated	028133	34.00	36.00	2.00	9.	29.	134.	70.	0.7
			pyrite.	028134	36.00	38.00	2.00	8.	27.	40.	100.	0.7
38.00	40.00	ARG	Black argillite with 20% limonitic int-	028135	38.00	40.00	2.00	12.	48.	28.	660.	1.2

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-263

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			rusive.									

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-263
Grid System : ORIGINAL
Collar Eastings : 20634.250
Collar Northings : 19891.960
Collar Elevations : 979.690
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged By : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : BC

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %		FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2					2.5	3	2														
4.00	6.00																						
6.00	8.00	2					2.5	3	2														
8.00	10.00																						
10.00	12.00																						
12.00	14.00																						
14.00	16.00																						
16.00	18.00	3					3	5	3														
18.00	20.00	3				1	3	5	3														
20.00	22.00																						
22.00	24.00					1																	
24.00	26.00	2				1	2	3	2	TR													
26.00	28.00	2				3	2	3	2	TR													
28.00	30.00	2				3	2	3	2	TR													
30.00	32.00	2				3	2	3	2	TR													
32.00	34.00	2				3	2	3	2	TR													
34.00	36.00	2				3	2	3	2	TR													
36.00	38.00	2				3	2	3	2	TR													
38.00	40.00	2				3	2																

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-264
Grid System : ORIGINAL
Collar Eastings : 20635.250
Collar Northings : 19869.160
Collar Elevations : 979.130
Collar Bearing : 999.99
Grid Baseline : 66.80

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 14.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	14.00	F*INT	Green/brown, black biotite rich, porphyritic intrusive.	028136	2.00	4.00	2.00	110.	185.	38.	1600.	1.2
				028137	4.00	6.00	2.00	68.	148.	39.	410.	1.1
				028138	6.00	8.00	2.00	47.	57.	23.	200.	1.1
8.00	10.00		Black biotite altering to white sericite.	028139	8.00	10.00	2.00	17.	27.	19.	100.	0.9
10.00	12.00		20% Grey/blue, sericite rich, quartz feldspar porphyritic intrusive.	028140	10.00	12.00	2.00	18.	44.	22.	120.	0.8
12.00	14.00		Poor recovery. NOTE: Hole shut down due to bad ground.	028141	12.00	14.00	2.00	15.	51.	25.	510.	1.4

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-264
Grid System : ORIGINAL
Collar Eastings : 20635.250
Collar Northings : 19869.160
Collar Elevations : 979.130
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 14.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00																					
4.00	6.00																					
6.00	8.00																					
8.00	10.00				2	1																
10.00	12.00				2	1	TR	1	TR													
12.00	14.00																					

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-265
Grid System : ORIGINAL
Collar Eastings : 20707.300
Collar Northings : 19908.860
Collar Elevations : 1011.160
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 54.00
Claim No. :

PAGE : 1

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : BQ

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	6.00	INT	Limonitic porphyritic intrusive.	028142	2.00	4.00	2.00	81.	479.	44.	2000.	0.6
				028143	4.00	6.00	2.00	36.	304.	35.	2800.	0.4
6.00	12.00	F*INT	Green/brown, black biotite rich, porphyritic intrusive.	028144	6.00	8.00	2.00	100.	230.	33.	1600.	0.5
				028145	8.00	10.00	2.00	8.	85.	23.	610.	0.5
10.00	12.00		Black biotite altering to white sericite.	028146	10.00	12.00	2.00	6.	171.	30.	2100.	0.4
12.00	32.00	INT	Limonitic porphyritic intrusive with abundant sericite.	028147	12.00	14.00	2.00	21.	399.	75.	2300.	0.4
				028148	14.00	16.00	2.00	470.	792.	162.	1900.	0.5
				028149	16.00	18.00	2.00	1810.	776.	78.	2600.	0.4
				028150	18.00	20.00	2.00	230.	854.	57.	2300.	0.3
				028151	20.00	22.00	2.00	480.	571.	25.	2100.	0.3
				028152	22.00	24.00	2.00	350.	862.	28.	2500.	0.4
				028153	24.00	26.00	2.00	370.	632.	24.	1200.	0.3
				028154	26.00	28.00	2.00	580.	366.	71.	820.	0.2
				028155	28.00	30.00	2.00	34.	220.	18.	2400.	0.5
				028156	30.00	32.00	2.00	130.	506.	32.	3900.	0.7
32.00	42.00	SEDS	Black argillite, soft grey mudstone, and grey/black shale.	028157	32.00	34.00	2.00	39.	107.	20.	3700.	0.9
				028158	34.00	36.00	2.00	15.	33.	16.	3800.	1.6
				028159	36.00	38.00	2.00	23.	69.	20.	5400.	1.9
				028160	38.00	40.00	2.00	90.	78.	22.	5100.	2.7
40.00	42.00		10% Limonitic intrusive and rusty quartz.	028161	40.00	42.00	2.00	150.	231.	25.	1800.	1.7
42.00	46.00	INT	Limonitic quartz rich porphyritic intrusive with 40% black argillite.	028162	42.00	44.00	2.00	130.	230.	47.	2900.	0.9
				028163	44.00	46.00	2.00	44.	164.	51.	2100.	1.0
46.00	48.00	ARG	Black argillite with abundant white quartz.	028164	46.00	48.00	2.00	42.	120.	35.	3700.	1.5
48.00	50.00	INT	Limonitic quartz rich porphyritic intrusive.									
48.00	50.00		20% Black argillite.	028165	48.00	50.00	2.00	26.	146.	32.	3300.	0.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-265

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
50.00	54.00	F*INT	Green, black and brown porphyritic intrusive with black biotite.	028166	50.00	52.00	2.00	7.	205.	37.	1400.	0.1
				028167	52.00	54.00	2.00	2.	82.	30.	1000.	0.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-265
Grid System : ORIGINAL
Collar Eastings : 20707.300
Collar Northings : 19908.860
Collar Elevations : 1011.160
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 54.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.00	4.00	2					1.5	3	1.5														
4.00	6.00	2					1.5	3	1.5														
6.00	8.00							1	1														
8.00	10.00							1	1														
10.00	12.00						1	1	1														
12.00	14.00	2					2	3	2														
14.00	16.00	2					2	3	2														
16.00	18.00	2					2	3	2														
18.00	20.00	2			1		2	3	2														
20.00	22.00	2			3		2	3	2														
22.00	24.00	2			3		2	3	2														
24.00	26.00	2			3		2	3	2														
26.00	28.00	2			2		2	3	2														
28.00	30.00	2			2		2	3	2														
30.00	32.00	2			1		2	3	2														
32.00	34.00																						
34.00	36.00																						
36.00	38.00																						
38.00	40.00																						
40.00	42.00																						
42.00	44.00	3					2.5	3	2														
44.00	46.00	3					2.5	3	2														
46.00	48.00																						
48.00	50.00	1.5			1		2	3	1.5														
50.00	52.00	1.5			3		1.5	3	1.5														
52.00	54.00				3		1	TR															

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-266
Grid System : ORIGINAL
Collar Eastings : 20713.420
Collar Northings : 19956.800
Collar Elevations : 1009.460
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 56.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	8.00	INT	Limonitic quartz rich porphyritic intrusive.	028168	2.00	4.00	2.00	20.	742.	161.	12600.	0.1
				028169	4.00	6.00	2.00	18.	533.	113.	13400.	0.1
6.00	8.00		40% Black argillite.	028170	6.00	8.00	2.00	64.	486.	105.	9400.	0.1
8.00	10.00	ARG	Black graphitic argillite with 30% limonitic intrusive.	028171	8.00	10.00	2.00	49.	886.	103.	3000.	0.1
10.00	16.00	INT	Limonitic quartz rich intrusive.	028172	10.00	12.00	2.00	54.	854.	76.	4600.	0.1
				028173	12.00	14.00	2.00	130.	884.	86.	3200.	0.1
14.00	16.00		5% White quartz feldspar porphyry with minor disseminated pyrite.	028174	14.00	16.00	2.00	20.	164.	27.	1800.	0.1
16.00	20.00	F'INT	Green/brown, black biotite rich, porphyritic intrusive.	028175	16.00	18.00	2.00	5.	92.	24.	1000.	0.1
				028176	18.00	20.00	2.00	17.	246.	40.	1600.	0.3
20.00	30.00	INT	Limonitic quartz rich intrusive.	028177	20.00	22.00	2.00	37.	576.	66.	2200.	0.7
				028178	22.00	24.00	2.00	150.	692.	47.	2200.	0.7
				028179	24.00	26.00	2.00	1510.	1507.	205.	2600.	0.7
				028180	26.00	28.00	2.00	620.	907.	77.	2700.	0.7
				028181	28.00	30.00	2.00	1390.	756.	101.	5700.	0.7
30.00	34.00	ARG	Black argillite with abundant quartz.	028182	30.00	32.00	2.00	160.	214.	69.	6600.	2.4
				028183	32.00	34.00	2.00	70.	109.	27.	6400.	2.2
34.00	36.00	INT	Limonitic quartz rich intrusive with abundant rusty orange quartz.	028184	34.00	36.00	2.00	18.	96.	38.	2300.	0.6
36.00	44.00	ARG	Black argillite.	028185	36.00	38.00	2.00	40.	145.	34.	3700.	4.0
				028186	38.00	40.00	2.00	25.	89.	25.	2400.	1.3
				028187	40.00	42.00	2.00	22.	108.	21.	9400.	2.2
				028188	42.00	44.00	2.00	19.	151.	26.	12800.	1.2
44.00	46.00	SEDS	Grey shale and mudstone with minor	028189	44.00	46.00	2.00	32.	84.	23.	2500.	0.7

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-266

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			grey barite and breen brown shale.									
46.00	50.00	BARITE	Yellow/white to grey/white barite.	028190	46.00	48.00	2.00	18.	77.	15.	2200.	0.1
				028191	48.00	50.00	2.00	2.	15.	2.	380.	0.1
50.00	56.00	INT	Limonitic quartz rich intrusive.									
50.00	52.00		40% Barite.	028192	50.00	52.00	2.00	6.	47.	14.	1200.	0.1
52.00	54.00		Minor amounts of dark sediments present.	021501	52.00	54.00	2.00	12.	98.	19.	3200.	0.8
				021502	54.00	56.00	2.00	14.	175.	38.	6500.	2.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-266
Grid System : ORIGINAL
Collar Eastings : 20713.420
Collar Northings : 19956.800
Collar Elevations : 1009.460
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 56.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : BC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00																					
4.00	6.00																					
6.00	8.00																					
8.00	10.00																					
10.00	12.00				1																	
12.00	14.00				2																	
14.00	16.00				2																	
16.00	18.00				2																	
18.00	20.00				2																	
20.00	22.00				2				2													
22.00	24.00				2				2													
24.00	26.00				1				2													
26.00	28.00				1				2.5													
28.00	30.00				1				3													
30.00	32.00																					
32.00	34.00																					
34.00	36.00								3.5													
36.00	38.00																					
38.00	40.00																					
40.00	42.00																					
42.00	44.00																					
44.00	46.00																					
46.00	48.00																					
48.00	50.00																					
50.00	52.00																					
52.00	54.00																					
54.00	56.00																					

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-267
Grid Syste : ORIGINAL
Collar Eastings : 21174.700
Collar Northings : 19981.500
Collar Elevations : 1062.700
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	40.00	SEDS	Grey chert, green/grey shale and blue/grey quartzite.									
2.00	6.00		Black argillite with grey and green shale and blue/grey quartzite.	028193	2.00	4.00	2.00	10.	124.	10.	490.	0.8
				028194	4.00	6.00	2.00	34.	82.	6.	190.	0.8
				028195	6.00	8.00	2.00	13.	35.	4.	100.	0.4
				028196	8.00	10.00	2.00	20.	35.	6.	150.	0.1
				028197	10.00	12.00	2.00	17.	65.	8.	90.	0.7
				028198	12.00	14.00	2.00	14.	123.	4.	80.	0.5
				028199	14.00	16.00	2.00	15.	104.	11.	80.	1.4
				028200	16.00	18.00	2.00	10.	98.	12.	130.	1.3
				028201	18.00	20.00	2.00	8.	79.	8.	100.	1.3
				028202	20.00	22.00	2.00	1.	74.	10.	80.	1.3
				028203	22.00	24.00	2.00	1.	81.	14.	110.	1.6
				028204	24.00	26.00	2.00	8.	94.	11.	250.	1.0
				028205	26.00	28.00	2.00	25.	28.	3.	10.	0.7
				028206	28.00	30.00	2.00	1.	50.	6.	20.	0.8
				028207	30.00	32.00	2.00	10.	64.	9.	160.	1.4
				028208	32.00	34.00	2.00	20.	56.	6.	150.	1.0
				028209	34.00	36.00	2.00	25.	54.	4.	160.	1.4
				028210	36.00	38.00	2.00	7.	123.	7.	40.	1.4
				028211	38.00	40.00	2.00	1.	128.	7.	30.	1.2

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-267
Grid System : ORIGINAL
Collar Eastings : 21174.700
Collar Northings : 19981.500
Collar Elevations : 1062.700
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : BC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sr %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.00	4.00																						
4.00	6.00				1																		
6.00	8.00				3																		
8.00	10.00				3																		
10.00	12.00				3																		
12.00	14.00				3																		
14.00	16.00				3																		
16.00	18.00				3																		
18.00	20.00				3																		
20.00	22.00				3																		
22.00	24.00				3																		
24.00	26.00				3																		
26.00	28.00				3																		
28.00	30.00				3																		
30.00	32.00				3																		
32.00	34.00				3																		
34.00	36.00				3																		
36.00	38.00				3																		
38.00	40.00				3																		

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-268
Grid System : ORIGINAL
Collar Eastings : 21180.080
Collar Northings : 19884.920
Collar Elevations : 1047.460
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	50.00	P*INT	Green/brown to rusty brown (limonitic) biotite rich porphyritic intrusive.	028212	2.00	4.00	2.00	5.	30.	6.	30.	0.1
				028213	4.00	6.00	2.00	1.	43.	12.	40.	0.1
				028214	6.00	8.00	2.00	1.	19.	7.	10.	0.1
				028215	8.00	10.00	2.00	1.	18.	4.	10.	0.1
				028216	10.00	12.00	2.00	1.	27.	7.	20.	0.1
				028217	12.00	14.00	2.00	1.	42.	8.	50.	0.1
				028218	14.00	16.00	2.00	2.	89.	17.	250.	0.1
				028219	16.00	18.00	2.00	1.	75.	19.	30.	0.1
18.00	28.00		5% White quartz feldspar porphyry.	028220	18.00	20.00	2.00	1.	214.	31.	1200.	0.1
20.00	28.00		Biotite altering to sericite present.	028221	20.00	22.00	2.00	1.	854.	64.	1800.	0.1
				028222	22.00	24.00	2.00	54.	788.	79.	1400.	0.1
				028223	24.00	26.00	2.00	1.	852.	61.	3600.	0.1
				028224	26.00	28.00	2.00	1.	665.	48.	2000.	0.1
28.00	50.00		Dark green in colour, lacks oxidation.	028225	28.00	30.00	2.00	1.	132.	9.	340.	0.3
			NOTE: at 38-50m; Increase in the level	028226	30.00	32.00	2.00	3.	174.	16.	280.	0.3
			of oxidation (50% rusty	028227	32.00	34.00	2.00	1.	217.	17.	460.	0.1
			brown limonitic int-	028228	34.00	36.00	2.00	2.	137.	7.	220.	0.1
			rusive).	028229	36.00	38.00	2.00	3.	101.	16.	360.	0.4
				028230	38.00	40.00	2.00	1.	118.	11.	130.	0.4
				028231	40.00	42.00	2.00	1.	97.	20.	280.	0.6
				028232	42.00	44.00	2.00	1.	46.	7.	80.	0.8
				028233	44.00	46.00	2.00	1.	116.	15.	50.	0.4
				028234	46.00	48.00	2.00	1.	129.	15.	30.	0.5
				028235	48.00	50.00	2.00	10.	119.	12.	130.	0.4

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-268
Grid System : ORIGINAL
Collar Eastings : 21180.080
Collar Northings : 19884.920
Collar Elevations : 1047.460
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00				3		3															
4.00	6.00				3		3															
6.00	8.00				3		3															
8.00	10.00				3		3															
10.00	12.00				3		3															
12.00	14.00				3		3															
14.00	16.00				3		3															
16.00	18.00				3		3															
18.00	20.00				3	1.5	3		TR													
20.00	22.00				3	1.5	5															
22.00	24.00				3	1.5	5															
24.00	26.00				3	1.5	5															
26.00	28.00				3	1.5	5															
28.00	30.00						1															
30.00	32.00						1															
32.00	34.00						1															
34.00	36.00						1															
36.00	38.00						1															
38.00	40.00				3		1															
40.00	42.00				3																	
42.00	44.00				3																	
44.00	46.00				3																	
46.00	48.00				3																	
48.00	50.00				3																	

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-269
Grid System : ORIGINAL
Collar Eastings : 21011.600
Collar Northings : 19845.200
Collar Elevations : 1010.300
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sr ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	10.00	INT	Limonitic, quartz rich, intrusive.	028236	2.00	4.00	2.00	5630.	2829.	638.	1200.	1.3
			Abundant red and rusty yellow quartz with	028237	4.00	6.00	2.00	8750.	3238.	3705.	3200.	2.5
			minor disseminated pyrite.	028238	6.00	8.00	2.00	5150.	3302.	661.	5100.	1.9
8.00	10.00		20% Black argillite.	028239	8.00	10.00	2.00	1130.	1333.	261.	2800.	1.7
10.00	14.00	ARG	Black argillite with abundant white quartz	028240	10.00	12.00	2.00	150.	171.	107.	830.	0.9
			and minor soft grey mudstone.	028241	12.00	14.00	2.00	100.	172.	74.	650.	1.0
14.00	22.00	QFP	White/grey quartz feldspar porphyry with disseminated pyrite.									
14.00	16.00		90% Limonitic intrusive.	028242	14.00	16.00	2.00	310.	635.	71.	2400.	1.0
16.00	22.00		50% Limonitic intrusive.	028243	16.00	18.00	2.00	76.	155.	54.	2100.	0.9
				028244	18.00	20.00	2.00	46.	301.	47.	5400.	1.0
				028245	20.00	22.00	2.00	130.	703.	99.	5200.	0.7
22.00	26.00	INT	Limonitic quartz rich intruisve.									
22.00	24.00		20% Black argillite.	028246	22.00	24.00	2.00	33.	157.	41.	2800.	1.1
24.00	26.00		45% Black argillite.	028247	24.00	26.00	2.00	10.	382.	23.	1900.	0.7
26.00	38.00	F*INT	Dark green to blue/grey, black biotite rich porphyritic intrusive.									
26.00	28.00		60% Limonitic intrusive.	028248	26.00	28.00	2.00	4.	107.	23.	2500.	0.7
				028249	28.00	30.00	2.00	6.	32.	11.	780.	0.4
38.00	32.00	QFP	White quartz feldspar porphyry with minor disseminate pyrite.	028250	30.00	32.00	2.00	10.	59.	16.	3600.	0.2
32.00	46.00	F*INT	Blue/grey, black biotite rich, porphyritic intrusive with minor disseminated pyrite.									
32.00	34.00		80% Limonitic intrusive.	028251	32.00	34.00	2.00	48.	70.	38.	1050.	0.5
				028252	34.00	36.00	2.00	6.	20.	7.	200.	0.1
				028253	36.00	38.00	2.00	3.	12.	5.	230.	0.2
38.00	40.00		Black biotite altering to white sericite.	028254	38.00	40.00	2.00	21.	52.	19.	650.	0.8

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-269

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				028255	40.00	42.00	2.00	25.	49.	24.	350.	0.3
				028256	42.00	44.00	2.00	21.	30.	23.	200.	0.1
				028257	44.00	46.00	2.00	19.	43.	32.	320.	0.1
46.00	52.00	QFP	White/brown quartz feldspar porphyritic intrusive with minor disseminated pyrite.	028258	46.00	48.00	2.00	8.	31.	6.	1600.	0.1
				028259	48.00	50.00	2.00	8.	95.	12.	2100.	0.1
				028260	50.00	52.00	2.00	70.	194.	23.	2400.	0.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-269
Grid System : ORIGINAL
Collar Eastings : 21011.600
Collar Northings : 19845.200
Collar Elevations : 1010.300
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2.5					3	10	3	TR												
4.00	6.00	2.5			1		3	10	2	TR												
6.00	8.00	2.5			2		3	10	2	TR												
8.00	10.00	2.5			2		3	10	2	TR												
10.00	12.00																					
12.00	14.00																					
14.00	16.00	2				3	2	5	3													
16.00	18.00	2				3	2	3	2													
18.00	20.00	2				3	2	3	2													
20.00	22.00	2				3	2	3	2													
22.00	24.00	1.5				2	2	5	1.5													
24.00	26.00	1.5				2	2		1.5													
26.00	28.00					3		TR														
28.00	30.00					3		TR														
30.00	32.00	1.5				3	2	TR	1.5	TR												
32.00	34.00					2		TR														
34.00	36.00					3		TR														
36.00	38.00					3		TR														
38.00	40.00					3		TR														
40.00	42.00					3		TR														
42.00	44.00					3		TR														
44.00	46.00					3		TR														
46.00	48.00	1.5				3	1.5	1	1.5	TR												
48.00	50.00	1.5				3	1.5	1	1.5	TR												
50.00	52.00	1.5				3	1.5	1	1.5	TR												

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-270
Grid System : ORIGINAL
Collar Eastings : 21011.800
Collar Northings : 19819.900
Collar Elevations : 1000.600
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	10.00	INT	Limonitic porphyritic intrusive.	028261	2.00	4.00	2.00	1130.	2474.	735.	1500.	0.5
				028262	4.00	6.00	2.00	350.	1283.	253.	2200.	0.2
				028263	6.00	8.00	2.00	36.	261.	105.	2400.	0.1
8.00	10.00		40% Black argillite.	028264	8.00	10.00	2.00	190.	760.	153.	4600.	0.7
10.00	12.00	ARG	Black argillite, 10% limonitic intrusive.	028265	10.00	12.00	2.00	120.	339.	56.	1200.	0.3
12.00	24.00	QFP	Grey white to limonitic brown quartz feldspar porphyry with disseminated pyrite.									
12.00	14.00		70% Limonitic intrusive.	028266	12.00	14.00	2.00	32.	461.	132.	2800.	0.4
				028267	14.00	16.00	2.00	370.	684.	64.	3400.	1.0
16.00	18.00		Minor blebs of stibnite present.	028268	16.00	18.00	2.00	23.	198.	48.	2800.	1.0
				028269	18.00	20.00	2.00	350.	672.	183.	3200.	1.1
20.00	24.00		90% Limonitic intrusive.	028270	20.00	22.00	2.00	550.	581.	169.	2300.	0.9
				028271	22.00	24.00	2.00	84.	447.	145.	3100.	0.2
24.00	26.00	ARG	Black argillite, 40% limonitic intrusive.	028272	24.00	26.00	2.00	230.	819.	46.	2700.	0.3
26.00	36.00	INT	Limonitic quartz rich porphyritic intrusive.									
26.00	28.00		40% Black argillite with minor disseminated pyrite.	028273	26.00	28.00	2.00	990.	1544.	135.	3500.	0.3
				028274	28.00	30.00	2.00	2250.	1761.	158.	3800.	0.3
				028275	30.00	32.00	2.00	1070.	1371.	189.	6200.	0.1
32.00	36.00		Increase in disseminated pyrite.	028276	32.00	34.00	2.00	1290.	1577.	63.	2100.	0.8
				028277	34.00	36.00	2.00	1780.	989.	1878.	3600.	1.1
36.00	42.00	QFP	White to dark brown quartz feldspar porphyry with minor disseminated pyrite.	028278	36.00	38.00	2.00	68.	156.	62.	1800.	0.8
				028279	38.00	40.00	2.00	140.	358.	66.	3300.	0.6
				028280	40.00	42.00	2.00	58.	110.	14.	2600.	0.6
42.00	44.00	F*INT	Dark blue/grey, black biotite rich,	028281	42.00	44.00	2.00	10.	19.	12.	730.	0.6

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-270

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			porphyritic intrusive.									
44.00	52.00	QFP	White to limonitic brown quartz feldspar porphyritic intrusive. Abundant white feldspar phenocrysts.									
44.00	46.00		2% Dark blue, biotite rich, intrusive.	028282	44.00	46.00	2.00	140.	363.	24.	3200.	0.6
				028283	46.00	48.00	2.00	94.	342.	28.	2200.	0.2
				028284	48.00	50.00	2.00	140.	334.	27.	2000.	0.5
				028285	50.00	52.00	2.00	48.	122.	17.	1900.	0.5

[illegible] EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-270
Grid System : ORIGINAL
Collar Eastings : 21011.800
Collar Northings : 19819.900
Collar Elevations : 1000.600
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sr %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	3					3	5	2													
4.00	6.00	3					3	5	2													
6.00	8.00	3				2	3	5	2													
8.00	10.00	3					3	5	2													
10.00	12.00																					
12.00	14.00	2				3	2	1	2	TR												
14.00	16.00	2				3	2	1	2	TR												
16.00	18.00	2				3	2	1	2	TR												
18.00	20.00	2				3	2	3	2	TR												
20.00	22.00	2				3	2	3	2	TR												
22.00	24.00	2				3	2	3	2	TR												
24.00	26.00	2				3		TR	2	TR												
26.00	28.00					2		TR	2	TR												
28.00	30.00	2				3		3	2	TR												
30.00	32.00	2				3		3	2	TR												
32.00	34.00	2				3		3	2	TR												
34.00	36.00	2				3		3	2	TR												
36.00	38.00	1.5				3	1.5	TR	1	TR												
38.00	40.00	1.5				3	1.5	3	1	TR												
40.00	42.00	1.5				3	1.5	TR	1	TR												
42.00	44.00	1.5				3	1.5	TR														
44.00	46.00	1				3	1.5	TR														
46.00	48.00	1				3	1.5	3														
48.00	50.00	1				3	1.5	3														
50.00	52.00	1				3	1.5	3														

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-271
Grid System : ORIGINAL
Collar Eastings : 21011.700
Collar Northings : 19794.200
Collar Elevations : 986.900
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	26.00	F*INT	Dark blue/grey to limonitic brown, black biotite rich porphyritic intrusive.	028286	2.00	4.00	2.00	510.	786.	179.	2100.	0.4
				028287	4.00	6.00	2.00	320.	355.	117.	780.	0.2
				028288	6.00	8.00	2.00	78.	277.	62.	430.	0.4
				028289	8.00	10.00	2.00	140.	985.	52.	1100.	0.4
				028290	10.00	12.00	2.00	140.	766.	87.	780.	0.2
12.00	14.00		90% Dark blue to green/blue, biotite rich, intrusive.	028291	12.00	14.00	2.00	240.	587.	58.	200.	0.1
				028292	14.00	16.00	2.00	98.	528.	73.	380.	0.1
16.00	26.00		Biotite altering to silvery/white sericite with minor disseminated pyrite.	028293	16.00	18.00	2.00	1670.	1448.	64.	1300.	0.1
				028294	18.00	20.00	2.00	500.	929.	72.	680.	0.3
				028295	20.00	22.00	2.00	110.	672.	67.	920.	0.1
				028296	22.00	24.00	2.00	240.	930.	68.	1600.	0.2
				028297	24.00	26.00	2.00	96.	652.	49.	1900.	0.2
26.00	30.00	ARG	Black cherty argillite.	028298	26.00	28.00	2.00	41.	188.	39.	1200.	0.5
				028299	28.00	30.00	2.00	51.	243.	97.	1500.	0.3
30.00	38.00	QFP	White/grey to limonitic brown, quartz feldspar porphyry with abundant disseminated pyrite.	028300	30.00	32.00	2.00	520.	877.	457.	3400.	0.4
				028301	32.00	34.00	2.00	1190.	1279.	446.	3800.	0.7
				028302	34.00	36.00	2.00	360.	614.	116.	3300.	0.5
				028303	36.00	38.00	2.00	580.	787.	427.	2900.	0.8
38.00	40.00	ARG	Black argillite with 10% limonitic intrusive.	028304	38.00	40.00	2.00	520.	750.	140.	2300.	1.1
40.00	52.00	QFP	White to light and dark brown quartz feldspar porphyry.	028305	40.00	42.00	2.00	1390.	1636.	89.	3500.	1.0
				028306	42.00	44.00	2.00	680.	949.	68.	2800.	1.3
				028307	44.00	46.00	2.00	410.	964.	238.	2500.	0.4
				028308	46.00	48.00	2.00	450.	896.	213.	1900.	0.5
				028309	48.00	50.00	2.00	370.	784.	397.	1600.	0.5
				028310	50.00	52.00	2.00	110.	326.	144.	1200.	0.2

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-271
Grid System : ORIGINAL
Collar Eastings : 21011.700
Collar Northings : 19794.200
Collar Elevations : 986.900
Collar Bearing : 999.99
Grid Baseline : 66.00

DIAMOND DRILL LOG

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

FROM	TO	Arg	Sil	Serc	GEOCHEMICAL SAMPLES Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00	1			3			TR		
4.00	6.00	1			3			TR		
6.00	8.00	1			3			TR		
8.00	10.00	1			3			TR		
10.00	12.00	1			3			TR		
12.00	14.00	1			3			TR		
14.00	16.00	1			3			TR		
16.00	18.00	1			3	1		TR		TR
18.00	20.00	1			3	1		TR		TR
20.00	22.00	1			3	1		TR		TR
22.00	24.00	1			3	1		TR		TR
24.00	26.00	1			3	1		TR		TR
26.00	28.00									
28.00	30.00									
30.00	32.00	1.5			3	1		TR		1
32.00	34.00	1.5			3	1		TR		1
34.00	36.00	1.5			2	1		TR		1
36.00	38.00	1.5			2	1		TR		1
38.00	40.00									
40.00	42.00	1.5					1.5	TR		
42.00	44.00	1.5					1.5	TR		
44.00	46.00	1.5					1.5	TR		
46.00	48.00	1.5					1.5	TR		
48.00	50.00	1.5					1.5	TR		
50.00	52.00	1.5					1.5	TR		

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-272
Grid System : ORIGINAL
Collar Eastings : 21068.500
Collar Northings : 19793.100
Collar Elevations : 992.200
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date :
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	4.00	INT	Limonitic, quartz rich, porphyritic intrusive with 20% argillite.	028311	2.00	4.00	2.00	750.	1095.	394.	1300.	0.4
4.00	10.00	ARG	Black argillite.	028312	4.00	6.00	2.00	19.	67.	50.	1400.	0.3
				028313	6.00	8.00	2.00	31.	169.	50.	1300.	0.3
8.00	10.00		30% Limonitic intrusive.	028314	8.00	10.00	2.00	330.	499.	72.	1600.	0.3
10.00	16.00	INT	Limonitic, quartz rich, porphyritic intrusive with abundant rusty red quartz. Abundant, tarnished, disseminated pyrite also present.	028315	10.00	12.00	2.00	550.	1617.	116.	1300.	0.5
				028316	12.00	14.00	2.00	540.	1407.	113.	1200.	0.7
14.00	16.00		20% Black argillite.	028317	14.00	16.00	2.00	340.	445.	166.	1500.	1.2
16.00	20.00	ARG	Black argillite.	028318	16.00	18.00	2.00	45.	220.	64.	1200.	0.8
18.00	20.00		10% Limonitic intrusive.	028319	18.00	20.00	2.00	89.	676.	88.	2500.	1.6
20.00	24.00	INT	Limonitic porphyritic intrusive.	028320	20.00	22.00	2.00	1160.	1708.	96.	2400.	1.3
				028321	22.00	24.00	2.00	3230.	2221.	72.	2600.	2.0
24.00	34.00	QFP	Grey/white to dark brown, quartz feldspar, porphyritic intrusive with abundant disseminated pyrite.	028322	24.00	26.00	2.00	1270.	1119.	59.	2900.	0.6
				028323	26.00	28.00	2.00	320.	646.	80.	2500.	0.3
				028324	28.00	30.00	2.00	510.	1221.	142.	4300.	0.6
				028325	30.00	32.00	2.00	880.	1399.	1047.	6800.	0.7
32.00	34.00		Stibnite vein, minor cubic, yellow, disseminated pyrite.	028326	32.00	34.00	2.00	2050.	1262.	13136.	3300.	1.5
34.00	52.00	INT	Limonitic porphyritic intrusive with abundant disseminated pyrite.	028327	34.00	36.00	2.00	1530.	2223.	2078.	1800.	1.0
				028328	36.00	38.00	2.00	1290.	2316.	692.	3600.	0.8
				028329	38.00	40.00	2.00	5280.	2235.	388.	3200.	1.8
				028330	40.00	42.00	2.00	2220.	1280.	332.	5600.	1.0
				028331	42.00	44.00	2.00	600.	454.	85.	2900.	0.3
				028332	44.00	46.00	2.00	370.	460.	97.	2700.	0.8
				028333	46.00	48.00	2.00	520.	668.	360.	2400.	0.3

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				028334	48.00	50.00	2.00	130.	419.	87.	1700.	0.2
50.00	52.00		40% White quartz feldspar porphyry.	028335	50.00	52.00	2.00	49.	255.	56.	2600.	0.4

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-272
Grid System : ORIGINAL
Collar Eastings : 21068.500
Collar Northings : 19793.100
Collar Elevations : 992.200
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00																					
4.00	6.00																					
6.00	8.00																					
8.00	10.00																					
10.00	12.00				3																	
12.00	14.00				3																	
14.00	16.00				3																	
16.00	18.00																					
18.00	20.00																					
20.00	22.00				3																	
22.00	24.00				3																	
24.00	26.00				3					1												
26.00	28.00				3					1												
28.00	30.00				3					1												
30.00	32.00				3					2												
32.00	34.00				3					2												
34.00	36.00				3																	
36.00	38.00				3																	
38.00	40.00				3																	
40.00	42.00				3																	
42.00	44.00				3																	
44.00	46.00				3																	
46.00	48.00				3																	
48.00	50.00				3																	
50.00	52.00				3																	

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-273
Grid System : ORIGINAL
Collar Eastings : 21069.200
Collar Northings : 19767.600
Collar Elevations : 976.300
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	8.00	INT	Limonitic porphyritic intrusive.	028336	2.00	4.00	2.00	540.	1038.	445.	3000.	0.6
4.00	8.00		20% Black argillite.	028337	4.00	6.00	2.00	690.	970.	927.	1600.	0.7
				028338	6.00	8.00	2.00	310.	725.	188.	2000.	0.4
8.00	20.00	ARG	Black argillite.	028339	8.00	10.00	2.00	230.	828.	157.	1500.	0.2
				028340	10.00	12.00	2.00	130.	1034.	100.	1300.	0.3
				028341	12.00	14.00	2.00	94.	290.	68.	1400.	0.5
				028342	14.00	16.00	2.00	24.	124.	43.	950.	0.2
16.00	18.00		40% Green/grey shale.	028343	16.00	18.00	2.00	110.	405.	69.	1300.	0.6
18.00	20.00		30% Rusty quartz and limonitic intrusive.	028344	18.00	20.00	2.00	400.	1397.	67.	2400.	0.7
20.00	28.00	INT	Limonitic quartz rich porphyritic intrusive with minor disseminated pyrite.									
20.00	22.00		Stibnite vein.	028345	20.00	22.00	2.00	1460.	1506.	2172.	5300.	1.5
				028346	22.00	24.00	2.00	1920.	1921.	2917.	6400.	1.4
24.00	26.00		Minor stibnite.	028347	24.00	26.00	2.00	1610.	1852.	1970.	7800.	1.2
				028348	26.00	28.00	2.00	2300.	1577.	560.	3500.	1.1
28.00	34.00	ARG	Black graphitic argillite.	028349	28.00	30.00	2.00	65.	80.	44.	2600.	0.8
				028350	30.00	32.00	2.00	290.	390.	157.	2800.	1.9
				028351	32.00	34.00	2.00	54.	95.	52.	2800.	0.9
34.00	52.00	INT	Limonitic porphyritic intrusive with abundant disseminated pyrite.	028352	34.00	36.00	2.00	360.	950.	99.	3000.	0.3
36.00	38.00		10% Grey, quartz feldspar, porphyry.	028353	36.00	38.00	2.00	490.	942.	88.	2800.	1.4
				028354	38.00	40.00	2.00	790.	1119.	122.	3600.	0.4
				028355	40.00	42.00	2.00	170.	596.	129.	3100.	0.1
				028356	42.00	44.00	2.00	1630.	631.	75.	5400.	0.6
44.00	46.00		Minor stibnite veining.	028357	44.00	46.00	2.00	610.	738.	935.	4400.	0.3
				028358	46.00	48.00	2.00	410.	731.	177.	3100.	0.1
				028359	48.00	50.00	2.00	310.	352.	73.	2900.	0.1
				028360	50.00	52.00	2.00	250.	713.	46.	2700.	0.3

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-273
Grid System : ORIGINAL
Collar Eastings : 21069.200
Collar Northings : 19767.600
Collar Elevations : 976.300
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2					2	5	1.5													
4.00	6.00	2					2	5	1.5													
6.00	8.00	2					2	5	1.5													
8.00	10.00																					
10.00	12.00																					
12.00	14.00																					
14.00	16.00																					
16.00	18.00																					
18.00	20.00																					
20.00	22.00	3			2		2.5	3	2	1												
22.00	24.00	3			2		2.5	3	2	TR												
24.00	26.00	3			2		2.5	3	3	1												
26.00	28.00	3			2		2.5	5	2	TR												
28.00	30.00																					
30.00	32.00																					
32.00	34.00																					
34.00	36.00	1.5					2	1	2	TR												
36.00	38.00	1.5					2	1	2	TR												
38.00	40.00	1.5					2	1	2	TR												
40.00	42.00	1.5					2	1	2	TR												
42.00	44.00	1.5					2	1	2	TR												
44.00	46.00	1.5					2	1	2	1												
46.00	48.00	1.5					2	1	2	TR												
48.00	50.00	1.5					2	1	2	TR												
50.00	52.00	1.5					2	1	2	TR												

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-274
Grid System : ORIGINAL
Collar Eastings : 21172.520
Collar Northings : 19847.760
Collar Elevations : 1029.700
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged By : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	10.00	INT	Limonitic quartz rich porphyritic intrusive with abundant rusty quartz.	028361	2.00	4.00	2.00	41.	123.	53.	480.	0.1
				028362	4.00	6.00	2.00	61.	408.	46.	920.	0.1
				028363	6.00	8.00	2.00	54.	344.	43.	950.	0.3
8.00	10.00		30% Black argillite.	028364	8.00	10.00	2.00	26.	150.	27.	720.	0.3
10.00	14.00	ARG	Black argillite.									
10.00	12.00		40% Limonitic intrusive.	028365	10.00	12.00	2.00	6.	82.	20.	1200.	0.3
				028366	12.00	14.00	2.00	26.	115.	15.	2600.	1.4
14.00	18.00	INT	Limonitic, porphyritic, intrusive with 20% white, pyritic quartz feldspar porphyry present.	028367	14.00	16.00	2.00	7.	332.	21.	5200.	0.2
				028368	16.00	18.00	2.00	20.	209.	20.	2200.	0.1
18.00	24.00	F*INT	Rusty green to dark blue, black biotite rich, porphyritic intrusive.	028369	18.00	20.00	2.00	17.	83.	17.	560.	0.3
				028370	20.00	22.00	2.00	24.	156.	24.	850.	0.1
				028371	22.00	24.00	2.00	13.	43.	18.	620.	0.9
24.00	28.00	INT	Limonitic porphyritic intrusive.	028372	24.00	26.00	2.00	48.	127.	31.	2500.	0.4
				028373	26.00	28.00	2.00	100.	328.	34.	2900.	1.5
28.00	34.00	QFP	White to limonitic brown, quartz feldspar porphyry with abundant disseminated pyrite.	028374	28.00	30.00	2.00	120.	271.	22.	1900.	0.7
				028375	30.00	32.00	2.00	130.	575.	17.	3600.	0.6
				028376	32.00	34.00	2.00	310.	1087.	19.	3900.	0.8
34.00	42.00	INT	Limonitic quartz rich porphyritic intrusive.	028377	34.00	36.00	2.00	240.	756.	18.	3700.	0.6
				028378	36.00	38.00	2.00	75.	365.	16.	4200.	0.4
				028379	38.00	40.00	2.00	35.	197.	20.	3600.	0.1
				028380	40.00	42.00	2.00	28.	68.	19.	3000.	0.1
42.00	46.00	F*INT	Rusty green to dark blue, black biotite rich, porphyritic intrusive.	028381	42.00	44.00	2.00	27.	62.	17.	360.	0.1
				028382	44.00	46.00	2.00	14.	43.	11.	390.	0.1
46.00	48.00	INT	Limonitic porphyritic intrusive.									

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-274

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
46.00	48.00		5% White quartz feldspar porphyry.	028383	46.00	48.00	2.00	410.	734.	15.	1800.	1.2
48.00	50.00	P*INT	Rusty green to dark blue, black biotite rich, porphyritic intrusive.	028384	48.00	50.00	2.00	220.	225.	37.	380.	0.6

[illegible] EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PAGE : 1

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-274
Grid System : ORIGINAL
Collar Eastings : 21172.520
Collar Northings : 19847.760
Collar Elevations : 1029.700
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled by : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES												GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %		FROM	TO	Reco-very %	Lim %	Break-age	Sx %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.00	4.00	2				2	3	2.5																
4.00	6.00	2				2	3	2.5																
6.00	8.00	2				2	3	2.5																
8.00	10.00	2				2	3	2.5																
10.00	12.00																							
12.00	14.00																							
14.00	16.00	2			3	1.5	3	1		TR														
16.00	18.00	2			3	1.5	3	1		TR														
18.00	20.00				3																			
20.00	22.00				3																			
22.00	24.00				1																			
24.00	26.00	2			2	2	3	2		TR														
26.00	28.00	2			2	2	3	2		TR														
28.00	30.00	2			3	2	1	2		TR														
30.00	32.00	2			3	2	1	2		TR														
32.00	34.00	2			3	2	1	2		TR														
34.00	36.00	1.5			3	2	3	1.5		TR														
36.00	38.00	1.5			3	2	3	1.5		TR														
38.00	40.00	1.5			3	2	3	1.5		TR														
40.00	42.00	1.5			3	2	3	1.5		TR														
42.00	44.00				3		TR																	
44.00	46.00				3		TR																	
46.00	48.00	1			3	1.5	1			TR														
48.00	50.00				3		TR																	

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-275
Grid System : ORIGINAL
Collar Eastings : 21175.670
Collar Northings : 19820.310
Collar Elevations : 1020.590
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged By : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	6.00	ARG	Black argillite with 10% limonitic intrusive.	028385	2.00	4.00	2.00	21.	110.	28.	1700.	0.5
				028386	4.00	6.00	2.00	22.	64.	18.	1200.	0.3
6.00	38.00	INT	Limonitic quartz rich intrusive.	028387	6.00	8.00	2.00	21.	167.	25.	3900.	0.4
				028388	8.00	10.00	2.00	22.	134.	19.	2500.	0.4
				028389	10.00	12.00	2.00	9.	87.	15.	2900.	0.1
				028390	12.00	14.00	2.00	7.	53.	22.	1300.	0.2
				028391	14.00	16.00	2.00	7.	36.	37.	900.	0.2
				028392	16.00	18.00	2.00	6.	72.	16.	1800.	0.2
				028393	18.00	20.00	2.00	12.	120.	14.	2900.	0.4
				028394	20.00	22.00	2.00	8.	144.	15.	1400.	0.3
22.00	24.00		5% White quartz feldspar porphyry with minor disseminated pyrite.	028395	22.00	24.00	2.00	11.	73.	9.	1900.	0.3
				028396	24.00	26.00	2.00	11.	112.	15.	3200.	0.3
				028397	26.00	28.00	2.00	43.	108.	15.	1300.	0.5
				028398	28.00	30.00	2.00	12.	116.	15.	740.	0.2
				028399	30.00	32.00	2.00	18.	61.	14.	540.	0.4
				028400	32.00	34.00	2.00	33.	306.	16.	780.	0.3
				028401	34.00	36.00	2.00	16.	131.	16.	960.	0.3
				028402	36.00	38.00	2.00	28.	208.	26.	1000.	0.4
38.00	52.00	QFP	White to limonitic brown quartz feldspar porphyry with abundant disseminated pyrite.	028403	38.00	40.00	2.00	860.	2787.	42.	1700.	1.4
				028404	40.00	42.00	2.00	110.	476.	27.	1300.	0.6
				028405	42.00	44.00	2.00	1210.	1805.	31.	2100.	0.8
				028406	44.00	46.00	2.00	110.	390.	25.	3000.	0.5
				028407	46.00	48.00	2.00	44.	283.	23.	1800.	0.3
48.00	52.00		Abundant brown limonitic clay.	028408	48.00	50.00	2.00	18.	125.	18.	1600.	0.2
				028409	50.00	52.00	2.00	32.	73.	15.	1900.	0.2

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-275
Grid System : ORIGINAL
Collar Eastings : 21175.670
Collar Northings : 19820.310
Collar Elevations : 1020.590
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00																					
4.00	6.00																					
6.00	8.00	1.5				2	3	2.5														
8.00	10.00	1.5				2	3	2.5														
10.00	12.00	1.5				2	3	2.5														
12.00	14.00	1.5				2	3	2.5														
14.00	16.00	1.5				2	3	2.5														
16.00	18.00	1.5				2	3	2.5														
18.00	20.00	1.5				2	3	2.5														
20.00	22.00	1.5			2	2	3	2.5														
22.00	24.00	2			3	2	3	2.5		TR												
24.00	26.00	2			3	2	3	2.5														
26.00	28.00	2			3	2	3	2.5														
28.00	30.00	2			3	2	3	2.5														
30.00	32.00	2			3	2	3	2.5														
32.00	34.00	2			3	2	3	2.5														
34.00	36.00	2			3	2	3	2.5														
36.00	38.00	2			3	2	3	2.5														
38.00	40.00	2			3	2	1	2		1												
40.00	42.00	2			3	2	1	2		1												
42.00	44.00	2			3	2	1	2		1												
44.00	46.00	2			3	2	1	2		1												
46.00	48.00	2			3	2	1	2		1												
48.00	50.00	3			3	2	1	2		1												
50.00	52.00	3			3	2	1	2		1												

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-276
Grid System : ORIGINAL
Collar Eastings : 21180.400
Collar Northings : 19792.630
Collar Elevations : 1013.880
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	8.00	ARG	Black cherty argillite.	028410	2.00	4.00	2.00	46.	78.	11.	2100.	2.5
				028411	4.00	6.00	2.00	60.	143.	26.	2800.	3.1
6.00	8.00		30% Limonitic intrusive.	028412	6.00	8.00	2.00	520.	656.	174.	2600.	2.8
8.00	22.00	INT	Limonitic porphyritic intrusive with 20-	028413	8.00	10.00	2.00	55.	177.	82.	5400.	0.3
			40% white quartz feldspar porphyritic	028414	10.00	12.00	2.00	41.	168.	46.	5100.	0.5
			intrusive with minor disseminated pyrite.	028415	12.00	14.00	2.00	7.	119.	36.	5800.	0.4
				028416	14.00	16.00	2.00	26.	142.	27.	6000.	0.4
				028417	16.00	18.00	2.00	8.	97.	16.	5500.	0.2
				028418	18.00	20.00	2.00	1140.	969.	51.	4800.	3.5
				028419	20.00	22.00	2.00	36.	120.	13.	10800.	0.3
22.00	26.00	F*INT	Dark blue to green brwon to limonitic,	028420	22.00	24.00	2.00	12.	33.	20.	3000.	0.2
			black biotite rich, porphyritic intrusive.	028421	24.00	26.00	2.00	38.	96.	12.	2700.	0.2
26.00	40.00	QFP	White to limonitic brown, quartz feldspar	028422	26.00	28.00	2.00	19.	184.	11.	6800.	0.3
			porphyry with abundant disseminated	028423	28.00	30.00	2.00	670.	534.	15.	5100.	0.3
			pyrite.	028424	30.00	32.00	2.00	100.	393.	12.	3300.	0.3
				028425	32.00	34.00	2.00	44.	192.	15.	2200.	0.4
				028426	34.00	36.00	2.00	6.	99.	14.	900.	0.5
				028427	36.00	38.00	2.00	12.	164.	24.	5700.	0.7
				028428	38.00	40.00	2.00	19.	127.	25.	4900.	1.1
40.00	48.00	F*INT	Dark blue/grey, black biotite rich,	028429	40.00	42.00	2.00	5.	25.	13.	900.	0.3
			porphyritic intrusive.	028430	42.00	44.00	2.00	8.	42.	16.	2300.	0.2
				028431	44.00	46.00	2.00	7.	24.	10.	360.	0.3
				028432	46.00	48.00	2.00	6.	16.	10.	170.	0.2
48.00	52.00	QFP	White to limonitic brown, quartz feldspar porphyry.									
48.00	50.00		20% Dark, biotite rich porphyritic intrusive.	028433	48.00	50.00	2.00	21.	177.	37.	2400.	0.2
				028434	50.00	52.00	2.00	9.	110.	17.	2700.	0.2

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-276
Grid System : ORIGINAL
Collar Eastings : 21180.400
Collar Northings : 19792.630
Collar Elevations : 1013.880
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00																					
4.00	6.00																					
6.00	8.00																					
8.00	10.00																					
10.00	12.00																					
12.00	14.00																					
14.00	16.00																					
16.00	18.00																					
18.00	20.00																					
20.00	22.00																					
22.00	24.00																					
24.00	26.00																					
26.00	28.00																					
28.00	30.00																					
30.00	32.00																					
32.00	34.00																					
34.00	36.00																					
36.00	38.00																					
38.00	40.00																					
40.00	42.00																					
42.00	44.00																					
44.00	46.00																					
46.00	48.00																					
48.00	50.00																					
50.00	52.00																					

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-277
Grid System : ORIGINAL
Collar Eastings : 21172.100
Collar Northings : 19765.100
Collar Elevations : 998.260
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : HC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	14.00	INT	Limonitic porphyritic intrusive.	021503	2.00	4.00	2.00	130.	563.	32.	5300.	0.7
				021504	4.00	6.00	2.00	140.	536.	39.	8700.	0.1
				021505	6.00	8.00	2.00	250.	876.	33.	4200.	0.2
				021506	8.00	10.00	2.00	670.	1342.	30.	2700.	0.3
				021507	10.00	12.00	2.00	420.	883.	28.	2000.	0.6
12.00	14.00		10% Blue, biotite rich, intrusive.	021508	12.00	14.00	2.00	74.	244.	16.	1900.	0.1
14.00	18.00	F*INT	Dark blue, black biotite rich, porphyritic intrusive.	021509	14.00	16.00	2.00	18.	45.	14.	100.	0.1
16.00	18.00		30% White quartz feldspar sericite porphyritic intrusive.	021510	16.00	18.00	2.00	68.	220.	19.	2100.	0.1
18.00	24.00	ARG	Black cherty argillite.	021511	18.00	20.00	2.00	120.	455.	20.	2300.	1.9
				021512	20.00	22.00	2.00	34.	155.	16.	2400.	2.6
22.00	24.00		30% White and limonitic intrusive.	021513	22.00	24.00	2.00	56.	275.	31.	3500.	1.5
24.00	32.00	F*INT	Dark blue to green/brown, black biotite rich, porphyritic intrusive.	021514	24.00	26.00	2.00	87.	224.	47.	1900.	0.1
				021515	26.00	28.00	2.00	40.	237.	35.	250.	0.1
				021516	28.00	30.00	2.00	5.	25.	32.	50.	0.1
				021517	30.00	32.00	2.00	3.	24.	33.	30.	0.1
32.00	34.00	QFP	White quartz feldspar sericite porphyritic intrusive with minor massive pyrite.	021518	32.00	34.00	2.00	200.	448.	240.	3300.	4.2
34.00	36.00	F*INT	Dark blue, biotite rich, intrusive as at 24-32m.	021519	34.00	36.00	2.00	27.	160.	27.	220.	0.1
36.00	40.00	QFP	White quartz feldspar, sericite rich, porphyritic intrusive with minor disseminated pyrite.	021520	36.00	38.00	2.00	30.	102.	12.	2400.	0.1
				021521	38.00	40.00	2.00	19.	77.	16.	2300.	0.1
40.00	42.00	F*INT	Dark blue/grey, biotite rich, porphyritic intrusive.	021522	40.00	42.00	2.00	6.	25.	15.	340.	0.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-277

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
42.00	50.00	QFP	White quartz feldspar, sericite rich, porphyritic intrusive with abundant disseminated pyrite.	021523	42.00	44.00	2.00	6.	47.	11.	1600.	0.1
				021524	44.00	46.00	2.00	17.	126.	17.	3600.	0.1
				021525	46.00	48.00	2.00	120.	433.	12.	2000.	0.1
				021526	48.00	50.00	2.00	70.	346.	14.	1600.	0.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-277
Grid System : ORIGINAL
Collar Eastings : 21172.100
Collar Northings : 19765.100
Collar Elevations : 998.260
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

FROM	TO	Arg	Sil	Serc	GEOCHEMICAL SAMPLES Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00	1.5			3	1.5	5	1		
4.00	6.00	1.5			3	1.5	5	1		
6.00	8.00	1.5			3	1.5	5	1		
8.00	10.00	1.5			3	1.5	5	1		
10.00	12.00	1.5			3	1.5	5	1		
12.00	14.00	1.5			3	1.5	5	1		
14.00	16.00				3					
16.00	18.00				3		TR			
18.00	20.00				2					
20.00	22.00									
22.00	24.00				2					
24.00	26.00				3		TR			
26.00	28.00				3		TR			
28.00	30.00				3					
30.00	32.00				3					
32.00	34.00	1.5			3	1		1		TR
34.00	36.00				3					
36.00	38.00	1.5			3	1.5	TR	1		TR
38.00	40.00	1.5			3	1.5	TR	1		TR
40.00	42.00									
42.00	44.00	1.5			3	1.5	TR	1		TR
44.00	46.00	1.5			3	1.5	TR	1		TR
46.00	48.00	1.5			3	1.5	TR	1		TR
48.00	50.00	1.5			3	1.5	TR	1		TR

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PAGE : 1

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-278
Grid System : ORIGINAL
Collar Eastings : 21230.200
Collar Northings : 19956.600
Collar Elevations : 1046.200
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	36.00	INT	Limonitic quartz rich porphyritic intrusive.	021527	2.00	4.00	2.00	1250.	2532.	25.	8800.	0.6
				021528	4.00	6.00	2.00	2300.	2510.	25.	11200.	0.6
				021529	6.00	8.00	2.00	2020.	3335.	30.	11000.	1.3
				021530	8.00	10.00	2.00	3920.	2426.	19.	6700.	0.7
				021531	10.00	12.00	2.00	290.	559.	10.	6800.	0.1
				021532	12.00	14.00	2.00	1270.	1455.	20.	7100.	0.5
				021533	14.00	16.00	2.00	400.	669.	14.	7300.	0.1
				021534	16.00	18.00	2.00	1300.	2174.	23.	7100.	1.0
				021535	18.00	20.00	2.00	750.	1653.	19.	7500.	0.1
				021536	20.00	22.00	2.00	260.	990.	17.	6500.	0.1
				021537	22.00	24.00	2.00	420.	1049.	16.	6300.	0.3
				021538	24.00	26.00	2.00	270.	743.	13.	5800.	0.1
				021539	26.00	28.00	2.00	480.	765.	19.	4100.	0.7
				021540	28.00	30.00	2.00	300.	492.	19.	6800.	0.6
				021541	30.00	32.00	2.00	410.	636.	14.	4800.	0.3
				021542	32.00	34.00	2.00	790.	1291.	17.	4200.	1.3
				021543	34.00	36.00	2.00	2290.	1631.	26.	5400.	1.3
36.00	40.00	ARG	Black argillite.									
36.00	38.00		Rusty quartz and limonitic intrusive.	021544	36.00	38.00	2.00	820.	1179.	21.	3900.	2.9
				021545	38.00	40.00	2.00	410.	1330.	25.	5700.	3.7

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-278
Grid System : ORIGINAL
Collar Eastings : 21230.200
Collar Northings : 19956.600
Collar Elevations : 1046.200
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	1.5					2.5	3	2													
4.00	6.00	1.5					2.5	3	2													
6.00	8.00	1.5					2.5	3	2													
8.00	10.00	1.5					2.5	5	2													
10.00	12.00	1.5				2	2.5	3	2													
12.00	14.00	1.5					2.5	3	2													
14.00	16.00	1.5					2.5	3	2													
16.00	18.00	1.5					2.5	3	2													
18.00	20.00	1.5					2.5	3	2													
20.00	22.00	1.5					2.5	5	2													
22.00	24.00	1.5					2.5	3	2													
24.00	26.00	1.5					2.5	3	2													
26.00	28.00	1.5					2.5	5	2													
28.00	30.00	1.5					2.5	3	2													
30.00	32.00	1.5					2.5	3	2													
32.00	34.00	1.5					2.5	3	2													
34.00	36.00	1.5					2.5	3	2													
36.00	38.00							TR														
38.00	40.00																					

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-279
Grid System : ORIGINAL
Collar Eastings : 21229.800
Collar Northings : 19931.600
Collar Elevations : 1046.100
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	20.00	F*INT	Limonitic, green/brown, black biotite rich porphyritic intrusive.	021546	2.00	4.00	2.00	23.	130.	11.	160.	0.6
				021547	4.00	6.00	2.00	21.	59.	16.	200.	0.2
				021548	6.00	8.00	2.00	12.	40.	16.	170.	0.1
				021549	8.00	10.00	2.00	12.	78.	27.	130.	0.3
				021550	10.00	12.00	2.00	8.	42.	15.	150.	0.3
				021551	12.00	14.00	2.00	17.	53.	16.	160.	0.1
				021552	14.00	16.00	2.00	12.	36.	12.	650.	0.1
				021553	16.00	18.00	2.00	15.	40.	4.	170.	0.1
				021554	18.00	20.00	2.00	5.	34.	10.	80.	0.1
20.00	48.00	INT	Limonitic quartz rich porphyritic intrusive with abundant quartz.	021555	20.00	22.00	2.00	23.	122.	43.	1800.	0.1
				021556	22.00	24.00	2.00	39.	268.	27.	4000.	0.1
				021557	24.00	26.00	2.00	940.	822.	67.	6800.	0.5
26.00	46.00		Abundant rusty red quartz.	021558	26.00	28.00	2.00	310.	777.	66.	9200.	0.4
				021559	28.00	30.00	2.00	430.	946.	36.	8700.	0.4
				021560	30.00	32.00	2.00	440.	1127.	31.	5600.	0.5
				021561	32.00	34.00	2.00	410.	740.	47.	8200.	0.5
				021562	34.00	36.00	2.00	130.	486.	26.	6300.	0.3
				021563	36.00	38.00	2.00	950.	1375.	36.	6800.	0.7
				021564	38.00	40.00	2.00	1820.	1948.	24.	5600.	1.3
				021565	40.00	42.00	2.00	390.	766.	15.	2800.	0.8
				021566	42.00	44.00	2.00	210.	418.	17.	2900.	0.3
				021567	44.00	46.00	2.00	5310.	3790.	25.	10000.	1.8
				021568	46.00	48.00	2.00	510.	1019.	15.	2600.	0.4
48.00	50.00	QPP	White quartz feldspar porphyritic intrusive with abundant disseminated pyrite.	021569	48.00	50.00	2.00	1550.	1844.	14.	3200.	0.8
50.00	52.00	INT	Limonitic quartz rich porphyritic intrusive with abundant rusty red quartz.	021570	50.00	52.00	2.00	4300.	2456.	24.	8800.	1.7

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-279
Grid System : ORIGINAL
Collar Eastings : 21229.800
Collar Northings : 19931.600
Collar Elevations : 1046.100
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	1.5					1	3														
4.00	6.00	1.5					1	3														
6.00	8.00	1.5						3														
8.00	10.00	1.5			1			3														
10.00	12.00	1.5			2			3														
12.00	14.00	1.5			1			3														
14.00	16.00	1.5						3														
16.00	18.00	1.5						3														
18.00	20.00	1.5			2			3	1													
20.00	22.00	2.5			1	2		5	2													
22.00	24.00	2.5				2		5	2													
24.00	26.00	2.5				2		5	2													
26.00	28.00	3				2.5		5	3													
28.00	30.00	3				2.5		5	3													
30.00	32.00	3				2.5		5	3													
32.00	34.00	3				2.5		5	3													
34.00	36.00	3				2.5		5	3													
36.00	38.00	3				2.5		5	3													
38.00	40.00	3				2.5		5	3													
40.00	42.00	3				2.5		5	3													
42.00	44.00	3				2.5		5	3													
44.00	46.00	3				2.5		5	3													
46.00	48.00	3				2.5		5	3													
48.00	50.00	3				2.5		TR	3	TR												
50.00	52.00	3				2.5		5	3													

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-280
Grid System : ORIGINAL
Collar Eastings : 21229.200
Collar Northings : 19902.700
Collar Elevations : 1043.900
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 64.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	28.00	F'INT	Dark blue to green/brown, black biotite rich, porphyritic intrusive.									
2.00	6.00		90% Limonitic biotite rich intrusive.	021571	2.00	4.00	2.00	29.	122.	39.	4200.	1.1
				021572	4.00	6.00	2.00	35.	110.	67.	1600.	0.7
				021573	6.00	8.00	2.00	12.	37.	39.	1500.	0.7
				021574	8.00	10.00	2.00	64.	32.	11.	620.	0.6
				021575	10.00	12.00	2.00	14.	15.	11.	210.	0.1
				021576	12.00	14.00	2.00	9.	19.	9.	90.	0.1
				021577	14.00	16.00	2.00	7.	11.	5.	70.	0.1
				021578	16.00	18.00	2.00	6.	19.	8.	80.	0.1
				021579	18.00	20.00	2.00	22.	16.	7.	100.	0.1
				021580	20.00	22.00	2.00	7.	13.	4.	130.	0.1
				021581	22.00	24.00	2.00	5.	18.	5.	80.	0.1
				021582	24.00	26.00	2.00	29.	35.	15.	400.	0.1
				021583	26.00	28.00	2.00	10.	21.	10.	80.	0.1
28.00	36.00	INT	Limonitic quartz rich porphyritic intrusive.	021584	28.00	30.00	2.00	4.	62.	28.	2300.	0.1
				021585	30.00	32.00	2.00	110.	647.	47.	3500.	0.1
				021586	32.00	34.00	2.00	54.	307.	33.	2600.	0.1
34.00	36.00		20% White, quartz feldspar porphyry.	021587	34.00	36.00	2.00	140.	732.	40.	2200.	0.1
36.00	64.00	F'INT	Dark blue to green/brown, black biotite rich, porphyritic intrusive.	021588	36.00	38.00	2.00	11.	89.	15.	1800.	0.1
				021589	38.00	40.00	2.00	17.	32.	6.	320.	0.2
				021590	40.00	42.00	2.00	11.	24.	4.	310.	0.1
				021591	42.00	44.00	2.00	5.	32.	5.	180.	0.2
44.00	52.00		50% Limonitic, black biotite rich, intrusive.	021592	44.00	46.00	2.00	7.	78.	12.	1300.	0.2
				021593	46.00	48.00	2.00	12.	151.	20.	2300.	0.1
				021594	48.00	50.00	2.00	17.	189.	15.	630.	0.1
				021595	50.00	52.00	2.00	7.	76.	14.	1300.	0.1
				021596	52.00	54.00	2.00	30.	83.	14.	700.	0.3
				021597	54.00	56.00	2.00	40.	63.	8.	540.	0.1
56.00	58.00		50% Limonitic, black biotite rich, intrusive.	021598	56.00	58.00	2.00	34.	127.	13.	1700.	0.2
				021599	58.00	60.00	2.00	82.	224.	9.	460.	0.2

DIAMOND DRILL LOG

PAGE : 2

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-280

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				021600	60.00	62.00	2.00	47.	181.	12.	1300.	0.2
				021601	62.00	64.00	2.00	17.	86.	14.	310.	0.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-280
Grid System : ORIGINAL
Collar Eastings : 21229.200
Collar Northings : 19902.700
Collar Elevations : 1043.900
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 64.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES												GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %		FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00						3																
4.00	6.00						3																
6.00	8.00						3																
8.00	10.00				2																		
10.00	12.00				2																		
12.00	14.00				2																		
14.00	16.00				2																		
16.00	18.00				2																		
18.00	20.00				2																		
20.00	22.00				2																		
22.00	24.00				2																		
24.00	26.00				2																		
26.00	28.00				2																		
28.00	30.00	1.5			3	2	5	1.5	1														
30.00	32.00	1.5			3	2	5	1.5	1														
32.00	34.00	1.5			3	2	5	1.5	1														
34.00	36.00	1.5			3	2	5	1.5	1														
36.00	38.00				2		3																
38.00	40.00																						
40.00	42.00																						
42.00	44.00																						
44.00	46.00				3		3																
46.00	48.00				3		3																
48.00	50.00				3		3																
50.00	52.00				3		3																
52.00	54.00				3																		
54.00	56.00				3																		
56.00	58.00				3		3																
58.00	60.00				3		TR																
60.00	62.00				3		TR																
62.00	64.00				3																		

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-281
Grid System : ORIGINAL
Collar Eastings : 21225.300
Collar Northings : 19880.100
Collar Elevations : 1043.100
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 42.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	8.00	INT	Limonitic porphyritic intrusive.	021602	2.00	4.00	2.00	24.	253.	97.	4800.	0.9
				021603	4.00	6.00	2.00	9.	214.	76.	3300.	0.2
6.00	8.00		40% Black argillite.	021604	6.00	8.00	2.00	12.	82.	67.	860.	0.5
8.00	10.00	ARG	Black argillite with 20% limonitic intrusive.	021605	8.00	10.00	2.00	9.	81.	46.	1400.	0.5
10.00	42.00	P*INT	Green/brown to dark blue, black biotite rich, porphyritic intrusive.	021606	10.00	12.00	2.00	35.	242.	42.	1300.	0.2
				021607	12.00	14.00	2.00	12.	116.	23.	540.	0.7
				021608	14.00	16.00	2.00	24.	114.	12.	490.	0.5
				021609	16.00	18.00	2.00	62.	207.	14.	270.	0.6
				021610	18.00	20.00	2.00	15.	44.	7.	190.	0.2
				021611	20.00	22.00	2.00	13.	34.	6.	100.	0.3
22.00	24.00		30% Limonitic intrusive with abundant altered biotite.	021612	22.00	24.00	2.00	75.	231.	11.	120.	0.2
				021613	24.00	26.00	2.00	7.	21.	5.	60.	0.2
26.00	28.00		30% Limonitic intrusive with abundant altered biotite.	021614	26.00	28.00	2.00	74.	275.	46.	560.	0.6
				021615	28.00	30.00	2.00	11.	17.	6.	110.	0.3
				021616	30.00	32.00	2.00	24.	17.	6.	150.	0.3
				021617	32.00	34.00	2.00	23.	35.	8.	530.	0.1
34.00	36.00		70% Limonitic intrusive with abundant altered biotite.	021618	34.00	36.00	2.00	98.	417.	65.	3300.	0.5
36.00	38.00		30% Limonitic intrusive with abundant altered biotite.	021619	36.00	38.00	2.00	100.	388.	31.	1800.	0.4
38.00	40.00		10% Limonitic intrusive with abundant altered biotite.	021620	38.00	40.00	2.00	93.	326.	15.	850.	0.1
				021621	40.00	42.00	2.00	12.	30.	6.	130.	0.3

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-281
Grid System : ORIGINAL
Collar Eastings : 21225.300
Collar Northings : 19880.100
Collar Elevations : 1043.100
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 42.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : BC

GEOCHEMICAL SAMPLES

FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00	1.5					2	3	1.5	
4.00	6.00	1.5					2	3	1.5	
6.00	8.00	1.5					2	3	1.5	
8.00	10.00									
10.00	12.00									
12.00	14.00									
14.00	16.00									
16.00	18.00									
18.00	20.00									
20.00	22.00									
22.00	24.00							TR		
24.00	26.00									
26.00	28.00							TR		
28.00	30.00									
30.00	32.00									
32.00	34.00									
34.00	36.00						1	1		
36.00	38.00							TR		
38.00	40.00							TR		
40.00	42.00									

GEOTECHNICAL SAMPLES

FROM	TO	Recovery %	Lim %	Breakage	Sr %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-282
Grid System : ORIGINAL
Collar Eastings : 21808.930
Collar Northings : 19589.740
Collar Elevations : 905.030
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 46.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	14.00	INT	Limonitic porphyritic intrusive.									
2.00	8.00		10% Black argillite.	021622	2.00	4.00	2.00	78.	318.	58.	1900.	0.1
				021623	4.00	6.00	2.00	130.	417.	61.	1800.	0.1
				021624	6.00	8.00	2.00	240.	410.	86.	1700.	0.1
8.00	10.00		Minor red staining.	021625	8.00	10.00	2.00	120.	361.	85.	1900.	0.2
				021626	10.00	12.00	2.00	59.	241.	94.	1500.	0.1
12.00	14.00		10% White quartz feldspar porphyry.	021627	12.00	14.00	2.00	28.	143.	55.	2100.	0.1
14.00	28.00	QFP	White quartz feldspar porphyry with abundant disseminated pyrite.	021628	14.00	16.00	2.00	13.	110.	24.	1200.	0.1
				021629	16.00	18.00	2.00	10.	99.	21.	1000.	0.1
				021630	18.00	20.00	2.00	6.	84.	18.	800.	0.1
				021631	20.00	22.00	2.00	27.	117.	28.	1000.	0.1
				021632	22.00	24.00	2.00	29.	144.	36.	1900.	0.1
				021633	24.00	26.00	2.00	27.	91.	29.	1400.	0.1
				021634	26.00	28.00	2.00	24.	110.	35.	1500.	0.1
28.00	40.00	ARG	Black argillite with minor white quartz.	021635	28.00	30.00	2.00	20.	145.	31.	700.	0.1
				021636	30.00	32.00	2.00	24.	216.	34.	1600.	0.1
				021637	32.00	34.00	2.00	20.	77.	16.	1200.	0.1
				021638	34.00	36.00	2.00	39.	114.	41.	1100.	0.1
				021639	36.00	38.00	2.00	4.	54.	13.	500.	0.1
				021640	38.00	40.00	2.00	2.	70.	9.	400.	0.5
40.00	46.00	F*INT	White/green, black biotite rich, intrusive with abundant, cubic, disseminated pyrite and 10% white pyrite rich intrusive with no biotite.	021641	40.00	42.00	2.00	11.	110.	15.	410.	0.1
				021642	42.00	44.00	2.00	10.	75.	11.	230.	0.1
				021643	44.00	46.00	2.00	51.	100.	12.	250.	0.1

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-282
Grid System : ORIGINAL
Collar Eastings : 21808.930
Collar Northings : 19589.740
Collar Elevations : 905.030
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 46.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Sr %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2					2	3	1													
4.00	6.00	2					2	3	1													
6.00	8.00	2					2	3	1													
8.00	10.00	2					2	3	2													
10.00	12.00	2					2	3	2													
12.00	14.00	2					2	3	2													
14.00	16.00	2			2		1.5	TR	1	1												
16.00	18.00	2			2		1.5	TR	1	1												
18.00	20.00	2			2		1.5	TR	1	1												
20.00	22.00	2			2		1.5	TR	1	1												
22.00	24.00	2			2		1.5	TR	1	1												
24.00	26.00	2			2		1.5	TR	1	1												
26.00	28.00	2			2		1.5	TR	1	1												
28.00	30.00								1													
30.00	32.00								1													
32.00	34.00								1													
34.00	36.00								1													
36.00	38.00								1													
38.00	40.00								1													
40.00	42.00								1.5	1												
42.00	44.00								1.5	1												
44.00	46.00								1.5	1												

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-283
Grid System : ORIGINAL
Collar Eastings : 21811.100
Collar Northings : 19559.570
Collar Elevations : 915.950
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	4.00	OVERBU	Overburden; mix of intrusive, argillite, and mudstone.	021644	2.00	4.00	2.00	73.	235.	37.	2800.	0.1
4.00	16.00	INT	Limonitic quartz rich porphyritic intrusive.	021645	4.00	6.00	2.00	30.	134.	25.	4000.	0.1
				021646	6.00	8.00	2.00	84.	250.	27.	4600.	0.1
				021647	8.00	10.00	2.00	570.	474.	28.	4800.	0.6
				021648	10.00	12.00	2.00	2510.	1381.	198.	5000.	0.6
				021649	12.00	14.00	2.00	760.	737.	35.	4400.	0.3
14.00	16.00		Minor dark sulphide veining (stibnite?).	021650	14.00	16.00	2.00	990.	1141.	3920.	4800.	0.6
16.00	46.00	QFP	White to grey, quartz feldspar porphyry with abundant disseminated pyrite.									
16.00	26.00		20% Limonitic intrusive.	021651	16.00	18.00	2.00	730.	817.	433.	3100.	0.3
				021652	18.00	20.00	2.00	310.	515.	159.	5500.	0.2
				021653	20.00	22.00	2.00	2810.	2663.	81.	7400.	0.9
				021654	22.00	24.00	2.00	3800.	1719.	786.	4600.	0.4
				021655	24.00	26.00	2.00	670.	916.	47.	5100.	0.2
				021656	26.00	28.00	2.00	98.	132.	42.	2900.	0.2
				021657	28.00	30.00	2.00	740.	1244.	49.	5100.	0.8
				021658	30.00	32.00	2.00	940.	1179.	48.	2500.	0.5
				021659	32.00	34.00	2.00	210.	562.	25.	1200.	0.3
34.00	36.00		Minor bright red staining (As or Hg?).	021660	34.00	36.00	2.00	220.	407.	35.	2000.	0.2
36.00	40.00		Minor bright red staining.	021661	36.00	38.00	2.00	220.	662.	35.	2600.	0.2
				021662	38.00	40.00	2.00	73.	108.	36.	1600.	0.1
				021663	40.00	42.00	2.00	56.	127.	32.	2400.	0.2
				021664	42.00	44.00	2.00	96.	146.	39.	1200.	0.2
				021665	44.00	46.00	2.00	68.	147.	33.	2500.	0.3
46.00	50.00	ARG	Black cherty argillite.	021666	46.00	48.00	2.00	11.	97.	23.	1400.	0.4
				021667	48.00	50.00	2.00	28.	152.	18.	1800.	0.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-283
Grid System : ORIGINAL
Collar Eastings : 21811.100
Collar Northings : 19559.570
Collar Elevations : 915.950
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged By : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	quartzClrCode %
2.00	4.00	2			2	3	3	2														
4.00	6.00	2			3	3	3	2														
6.00	8.00	2			3	3	3	2														
8.00	10.00	2			3	3	3	2														
10.00	12.00	2			3	3	3	2														
12.00	14.00	2			3	3	3	2														
14.00	16.00	2			3	3	3	2														
16.00	18.00	2			3	2.5	TR	2	1													
18.00	20.00	2			3	2.5	TR	1	2													
20.00	22.00	2			3	2.5	TR	1	2													
22.00	24.00	2			3	2.5	TR	2	1													
24.00	26.00	2			3	2.5	TR	2	1													
26.00	28.00	2			3	2.5		2	1													
28.00	30.00	2			3	2.5		2	1													
30.00	32.00	2			3	2.5		2	1													
32.00	34.00	2			3	2.5		2	1													
34.00	36.00	2			3	2.5		2	1													
36.00	38.00	2			3	2.5		2	1													
38.00	40.00	2			3	2.5		2	1													
40.00	42.00	2			3	2.5		2	1													
42.00	44.00	2			3	2.5		2	1													
44.00	46.00	2			3	2.5		2	1													
46.00	48.00																					
48.00	50.00																					

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-284
Grid System : ORIGINAL
Collar Eastings : 21810.970
Collar Northings : 19535.090
Collar Elevations : 928.700
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	16.00	INT	Limonitic porphyritic intrusive.	021668	2.00	4.00	2.00	22.	173.	33.	2700.	0.1
				021669	4.00	6.00	2.00	91.	261.	32.	1700.	0.3
				021670	6.00	8.00	2.00	99.	592.	168.	840.	0.2
				021671	8.00	10.00	2.00	180.	668.	71.	1900.	0.9
				021672	10.00	12.00	2.00	36.	177.	35.	4960.	0.1
				021673	12.00	14.00	2.00	14.	64.	29.	2000.	0.1
				021674	14.00	16.00	2.00	14.	74.	56.	1900.	0.1
16.00	18.00	ARG	Black argillite with 20% limonitic intrusive.	021675	16.00	18.00	2.00	190.	720.	41.	750.	0.8
18.00	22.00	INT	Limonitic quartz rich porphyritic intrusive with 10% grey pyritic quartz felspar porphyry.	021676	18.00	20.00	2.00	390.	1095.	115.	10200.	1.8
				021677	20.00	22.00	2.00	710.	1457.	82.	6800.	1.3
22.00	24.00	ARG	Black argillite with 40% white and limonitic intrusive with disseminated pyrite.	021678	22.00	24.00	2.00	140.	785.	92.	3380.	0.5
24.00	28.00	INT	Limonitic quartz rich porphyritic intrusive with 5% grey pyritic quartz feldspar porphyry.	021679	24.00	26.00	2.00	33.	187.	31.	2880.	0.1
				021680	26.00	28.00	2.00	10.	81.	21.	2700.	0.1
28.00	30.00	F*INT	Dark blue/grey, black biotite rich, intrusive.	021681	28.00	30.00	2.00	10.	57.	38.	800.	0.1
30.00	52.00	QFP	White to grey quartz feldspar porphyry with abundant pyrite.									
30.00	32.00		5% Blue, biotite rich, intrusive.	021682	30.00	32.00	2.00	420.	245.	25.	2500.	0.2
				021683	32.00	34.00	2.00	8090.	1882.	25.	1800.	0.6
				021684	34.00	36.00	2.00	2620.	842.	36.	2200.	0.3
				021685	36.00	38.00	2.00	500.	261.	88.	2400.	0.2
38.00	40.00		Minor stibnite present.	021686	38.00	40.00	2.00	13700.	3907.	5837.	2900.	1.4

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCBC 90-284

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				021687	40.00	42.00	2.00	12800.	2934.	5739.	2600.	1.1
42.00	46.00		Minor stibnite present.	021688	42.00	44.00	2.00	4780.	1461.	2283.	2200.	0.7
				021689	44.00	46.00	2.00	2890.	1118.	1111.	2700.	0.7
				021690	46.00	48.00	2.00	1310.	1298.	180.	1900.	0.6
				021691	48.00	50.00	2.00	2510.	1008.	244.	1800.	0.4
				021692	50.00	52.00	2.00	1710.	2342.	146.	1800.	0.6

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-284
Grid System : ORIGINAL
Collar Eastings : 21810.970
Collar Northings : 19535.090
Collar Elevations : 928.700
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2.5					3	3	2													
4.00	6.00	2.5					3	3	2													
6.00	8.00	2.5					3	3	2													
8.00	10.00	2.5					3	3	2													
10.00	12.00	2.5					3	3	2													
12.00	14.00	2.5					3	3	2													
14.00	16.00	2.5					3	3	2													
16.00	18.00																					
18.00	20.00	2.5					3	3	3													
20.00	22.00	2.5					3	3	3													
22.00	24.00				2																	
24.00	26.00	2.5			3	3	3	3														
26.00	28.00	2.5			3	3	3	3														
28.00	30.00				3																	
30.00	32.00	1.5			3	2		2	5													
32.00	34.00	1.5			3	2		2	5													
34.00	36.00	1.5			3	2		2	5													
36.00	38.00	1.5			3	2		2	5													
38.00	40.00	1.5			3	2		2	5													
40.00	42.00	1.5			3	2		2	5													
42.00	44.00	1.5			3	2		2	5													
44.00	46.00	1.5			3	2		2	5													
46.00	48.00	1.5			3	2		2	5													
48.00	50.00	1.5			3	2		2	5													
50.00	52.00	1.5			3	2		2	5													

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-285
Grid System : ORIGINAL
Collar Eastings : 21812.410
Collar Northings : 19507.720
Collar Elevations : 937.360
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	8.00	INT	Limonitic porphyritic intrusive.									
2.00	4.00		40% Black argillite.	021693	2.00	4.00	2.00	110.	101.	73.	320.	0.3
				021694	4.00	6.00	2.00	44.	52.	45.	240.	0.1
				021695	6.00	8.00	2.00	39.	49.	36.	120.	0.2
8.00	10.00	F*INT	Green/brown to limonitic brown, black biotite rich, porphyritic intrusive.	021696	8.00	10.00	2.00	91.	129.	36.	220.	0.2
10.00	12.00	INT	Limonitic quartz rich porphyritic intrusive with abundant yellow quartz.	021697	10.00	12.00	2.00	7.	65.	37.	100.	0.5
12.00	20.00	F*INT	Dark blue grey to limonitic brown, black biotite rich, intrusive with abundant yellow quartz.	021698	12.00	14.00	2.00	5.	80.	50.	110.	0.6
				021699	14.00	16.00	2.00	25.	178.	14.	100.	0.3
				021700	16.00	18.00	2.00	8.	49.	22.	90.	0.4
				021701	18.00	20.00	2.00	50.	179.	37.	110.	0.7
20.00	30.00	INT	Limonitic porphyritic intrusive.	021702	20.00	22.00	2.00	67.	354.	28.	3400.	0.7
22.00	24.00		40% White quartz feldspar porphyry.	021703	22.00	24.00	2.00	410.	646.	31.	2100.	1.0
				021704	24.00	26.00	2.00	1530.	2734.	42.	5200.	1.4
26.00	30.00		30% Grey/white quartz feldspar porphyry.	021705	26.00	28.00	2.00	2730.	3905.	48.	3900.	1.5
				021706	28.00	30.00	2.00	110.	492.	82.	730.	0.4
30.00	36.00	QFP	Grey/white quartz feldspar porphyry with 30% limonitic porphyritic intrusive.	021707	30.00	32.00	2.00	75.	275.	136.	1000.	0.6
32.00	36.00		Trace amounts of black biotite.	021708	32.00	34.00	2.00	36.	387.	43.	2700.	0.5
				021709	34.00	36.00	2.00	52.	263.	40.	2300.	0.4
36.00	50.00	F*INT	Grey/white, black biotite rich, quartz feldspar porphyry.	021710	36.00	38.00	2.00	28.	121.	23.	1200.	0.7
				021711	38.00	40.00	2.00	17.	67.	30.	1000.	1.1
				021712	40.00	42.00	2.00	10.	59.	25.	170.	0.1
				021713	42.00	44.00	2.00	8.	69.	53.	130.	0.1
44.00	48.00		Minor red staining.	021714	44.00	46.00	2.00	6.	36.	26.	120.	0.1
				021715	46.00	48.00	2.00	7.	27.	6.	60.	0.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-285

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				021716	48.00	50.00	2.00	4.	34.	10.	50.	0.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-285
Grid System : ORIGINAL
Collar Eastings : 21812.410
Collar Northings : 19507.720
Collar Elevations : 937.360
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2					1.5	3	1.5													
4.00	6.00	2					1.5	3	1.5													
6.00	8.00							3														
8.00	10.00							1														
10.00	12.00	2					3	5	2.5													
12.00	14.00				1																	
14.00	16.00				3																	
16.00	18.00				3																	
18.00	20.00				3																	
20.00	22.00	2			2		2	3		TR												
22.00	24.00	2			2		2	1		TR												
24.00	26.00	2			3		3	3		TR												
26.00	28.00	2			2		2	1		TR												
28.00	30.00	2			2		2	3		TR												
30.00	32.00	2			3		2	1		TR												
32.00	34.00	2			3		1.5	1		TR												
34.00	36.00	2			3		1.5	1		TR												
36.00	38.00				3																	
38.00	40.00				3																	
40.00	42.00				3																	
42.00	44.00				3																	
44.00	46.00				3																	
46.00	48.00				3																	
48.00	50.00				3																	

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-286
Grid System : ORIGINAL
Collar Eastings : 21886.030
Collar Northings : 19554.110
Collar Elevations : 911.140
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	4.00	F*INT	Green/brown, black biotite rich, porphyritic intrusive.	021717	2.00	4.00	2.00	100.	254.	45.	3900.	0.3
4.00	8.00	QFP	Brown quartz feldspar porphyry with 5% white quartz feldspar porphyry.	021718	4.00	6.00	2.00	170.	280.	35.	6300.	0.4
				021719	6.00	8.00	2.00	220.	321.	35.	3900.	0.8
8.00	18.00	INT	Limonitic porphyritic intrusive.	021720	8.00	10.00	2.00	30.	333.	35.	3600.	1.9
				021721	10.00	12.00	2.00	130.	394.	45.	4000.	1.6
				021722	12.00	14.00	2.00	37.	111.	32.	2700.	1.2
				021723	14.00	16.00	2.00	30.	256.	25.	2800.	0.6
16.00	18.00		10% Red quartz.	021724	16.00	18.00	2.00	69.	402.	19.	2200.	0.3
18.00	26.00	QFP	Grey/white, quartz feldspar porphyry with abundant disseminated pyrite. 20% Rusty red quartz and limonitic intrusive.	021725	18.00	20.00	2.00	990.	3849.	25.	2400.	0.4
				021726	20.00	22.00	2.00	41.	296.	24.	1700.	0.2
				021727	22.00	24.00	2.00	7.	203.	24.	2700.	0.2
				021728	24.00	26.00	2.00	8.	100.	15.	1800.	0.1
26.00	40.00	ARG	Black argillite.	021729	26.00	28.00	2.00	9.	89.	17.	820.	0.1
				021730	28.00	30.00	2.00	2.	78.	16.	560.	0.1
				021731	30.00	32.00	2.00	5.	73.	15.	520.	0.7
				021732	32.00	34.00	2.00	8.	98.	18.	630.	1.1
34.00	36.00		20% Grey/white quartz feldspar porphyry.	021733	34.00	36.00	2.00	15.	81.	14.	470.	0.1
				021734	36.00	38.00	2.00	6.	38.	13.	210.	0.2
				021735	38.00	40.00	2.00	2.	39.	12.	310.	0.1

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-286
Grid System : ORIGINAL
Collar Eastings : 21886.03
Collar Northings : 19554.11
Collar Elevations : 911.14
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : BC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00						TR															
4.00	6.00	1					1.5	TR														
6.00	8.00	1					1.5	TR														
8.00	10.00	2					2	3	2													
10.00	12.00	2					2	3	2													
12.00	14.00	2					2	3	2													
14.00	16.00	2					2	3	2													
16.00	18.00	2					2	3	2													
18.00	20.00	2					2.5	TR	3	1												
20.00	22.00	2					2.5	TR	3	1												
22.00	24.00	2					2.5	TR	3	1												
24.00	26.00	2					2.5	TR	3	1												
26.00	28.00																					
28.00	30.00																					
30.00	32.00																					
32.00	34.00																					
34.00	36.00																					
36.00	38.00																					
38.00	40.00																					

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-287
Grid System : ORIGINAL
Collar Eastings : 21946.060
Collar Northings : 19532.570
Collar Elevations : 923.990
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged By : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	20.00	INT	Limonitic porphyritic intrusive.	021736	2.00	4.00	2.00	14.	138.	33.	5500.	0.1
				021737	4.00	6.00	2.00	240.	473.	42.	5300.	0.3
				021738	6.00	8.00	2.00	510.	622.	67.	5600.	0.1
				021739	8.00	10.00	2.00	480.	832.	76.	4800.	0.1
				021740	10.00	12.00	2.00	36.	105.	27.	6900.	0.1
				021741	12.00	14.00	2.00	23.	70.	24.	7100.	0.2
14.00	18.00		30% White quartz feldspar porphyry.	021742	14.00	16.00	2.00	65.	202.	23.	3300.	0.1
				021743	16.00	18.00	2.00	310.	869.	42.	5600.	0.1
18.00	20.00		30% Black argillite with 10% white quartz feldspar porphyry.	021744	18.00	20.00	2.00	23.	177.	18.	3000.	0.5
20.00	44.00	QFP	Grey/white, quartz, feldspar, pyrite porphyritic intrusive. Contains 20-50% limonitic intrusive.	021745	20.00	22.00	2.00	220.	907.	26.	1900.	0.4
				021746	22.00	24.00	2.00	72.	502.	26.	3100.	0.9
				021747	24.00	26.00	2.00	24.	173.	18.	3400.	1.0
				021748	26.00	28.00	2.00	14.	69.	17.	2000.	0.1
				021749	28.00	30.00	2.00	30.	211.	40.	2400.	0.7
				021750	30.00	32.00	2.00	47.	521.	68.	4300.	0.9
				021751	32.00	34.00	2.00	16.	134.	30.	2900.	0.6
				021752	34.00	36.00	2.00	44.	271.	51.	2700.	0.4
				021753	36.00	38.00	2.00	5.	78.	24.	910.	0.3
				021754	38.00	40.00	2.00	10.	257.	47.	2600.	0.4
				021755	40.00	42.00	2.00	9.	7.	23.	2100.	0.2
				021756	42.00	44.00	2.00	4.	88.	20.	1900.	0.3
44.00	52.00	ARG	Black graphitic argillite.									
44.00	46.00		20% White quartz feldspar porphyry.	021757	44.00	46.00	2.00	4.	110.	20.	1100.	0.1
				021758	46.00	48.00	2.00	6.	51.	16.	590.	0.5
				021759	48.00	50.00	2.00	7.	24.	10.	230.	0.4
				021760	50.00	52.00	2.00	5.	20.	9.	220.	0.4

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-287
Grid System : ORIGINAL
Collar Eastings : 21946.060
Collar Northings : 19532.570
Collar Elevations : 923.990
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

FROM	TO	Arg	Sil	Serc	GEOCHEMICAL SAMPLES Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00	2				2	3	2		
4.00	6.00	2				2	3	2		
6.00	8.00	2				2	3	2		
8.00	10.00	2				2	3	2		
10.00	12.00	2				2	3	2		
12.00	14.00	2				2	3	2		
14.00	16.00	2				2	3	2		
16.00	18.00	2				2	3	2		
18.00	20.00	2			1	2	3	2		
20.00	22.00	1.5			3	2	TR	1	1	
22.00	24.00	1.5			3	2	TR	1	1	
24.00	26.00	1.5			3	2	TR	1	1	
26.00	28.00	1.5			3	2	TR	1	1	
28.00	30.00	1.5			3	2	TR	1	1	
30.00	32.00	1.5			1	2	TR	1	1	
32.00	34.00	1.5			3	2	TR	1	1	
34.00	36.00	1.5			3	2	TR	1	1	
36.00	38.00	1.5			3	2	TR	1	1	
38.00	40.00	1.5			3	2	TR	1	1	
40.00	42.00	1.5			3	2	TR	1	1	
42.00	44.00	1.5			3	2	TR	1	1	
44.00	46.00									
46.00	48.00									
48.00	50.00									
50.00	52.00									

FROM	TO	Reco-very %	Lim %	Break-age	Sx %	GEOTECHNICAL SAMPLES Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-288
Grid System : ORIGINAL
Collar Eastings : 21940.070
Collar Northings : 19563.530
Collar Elevations : 912.350
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged By : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	4.00	ARG	Black argillite.	021761	2.00	4.00	2.00	13.	79.	23.	1200.	0.7
4.00	26.00	INT	Limonitic porphyritic intrusive.	021762	4.00	6.00	2.00	10.	83.	162.	1500.	1.0
				021763	6.00	8.00	2.00	3.	140.	61.	3500.	0.4
8.00	10.00		50% Grey quartz feldspar, pyrite rich,	021764	8.00	10.00	2.00	9.	58.	39.	510.	0.3
			porphyritic intrusive.	021765	10.00	12.00	2.00	7.	65.	30.	570.	0.6
				021766	12.00	14.00	2.00	48.	186.	16.	720.	0.4
				021767	14.00	16.00	2.00	160.	624.	28.	430.	0.7
				021768	16.00	18.00	2.00	31.	132.	23.	1900.	0.6
				021769	18.00	20.00	2.00	5.	62.	28.	1100.	0.5
20.00	24.00		10% Grey quartz feldspar porphyry.	021770	20.00	22.00	2.00	5.	50.	20.	750.	0.8
				021771	22.00	24.00	2.00	10.	56.	26.	270.	0.8
24.00	26.00		Trace of black biotite.	021772	24.00	26.00	2.00	8.	68.	21.	110.	0.5
26.00	40.00	ARG	Black graphitic argillite.	021773	26.00	28.00	2.00	8.	44.	22.	260.	0.6
				021774	28.00	30.00	2.00	4.	30.	11.	380.	0.6
				021775	30.00	32.00	2.00	3.	24.	9.	390.	0.5
				021776	32.00	34.00	2.00	5.	27.	10.	460.	0.9
				021777	34.00	36.00	2.00	1.	32.	10.	530.	0.5
				021778	36.00	38.00	2.00	5.	139.	12.	550.	0.5
38.00	40.00		2% White pyritic quartz.	021779	38.00	40.00	2.00	5.	76.	11.	360.	0.7

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-288
Grid System : ORIGINAL
Collar Eastings : 21940.070
Collar Northings : 19563.530
Collar Elevations : 912.350
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	1.5					2	3	1.5													
4.00	6.00	1.5					2	3	1.5													
6.00	8.00	1.5			1		2	3	1.5	TR												
8.00	10.00	1.5			3		2	3	1.5													
10.00	12.00	1.5			3		2	3	1.5													
12.00	14.00	1.5			3		2	3	1.5													
14.00	16.00	1.5			3		2	3	1.5													
16.00	18.00	1.5			3		2	3	1.5													
18.00	20.00	1.5			3		2	3	1.5													
20.00	22.00	1.5			3		2	3	1.5	TR												
22.00	24.00	1.5			3		2	3	1.5	TR												
24.00	26.00	1.5			3		1.5	3	1.5													
26.00	28.00				1																	
28.00	30.00																					
30.00	32.00																					
32.00	34.00																					
34.00	36.00																					
36.00	38.00																					
38.00	40.00								TR													

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-289
Grid System : ORIGINAL
Collar Eastings : 21943.570
Collar Northings : 19503.120
Collar Elevations : 921.130
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	34.00	INT	Limonitic quartz rich porphyritic intrusive with abundant rusty red quartz.	021780	2.00	4.00	2.00	73.	547.	108.	2500.	0.7
				021781	4.00	6.00	2.00	82.	819.	145.	2900.	0.6
				021782	6.00	8.00	2.00	35.	186.	28.	1900.	0.4
				021783	8.00	10.00	2.00	120.	633.	28.	2800.	0.8
10.00	14.00		10% Black argillite.	021784	10.00	12.00	2.00	250.	1222.	48.	3500.	0.8
				021785	12.00	14.00	2.00	480.	455.	44.	4400.	0.2
				021786	14.00	16.00	2.00	780.	904.	2421.	5000.	0.1
16.00	20.00		40% White quartz feldspar porphyry.	021787	16.00	18.00	2.00	1010.	749.	315.	7100.	0.1
				021788	18.00	20.00	2.00	3130.	1274.	77.	4900.	0.1
				021789	20.00	22.00	2.00	770.	1345.	59.	6800.	0.1
				021790	22.00	24.00	2.00	870.	963.	70.	7000.	0.1
				021791	24.00	26.00	2.00	590.	614.	52.	7700.	0.4
				021792	26.00	28.00	2.00	260.	495.	49.	7500.	0.1
				021793	28.00	30.00	2.00	18.	289.	65.	2800.	0.1
30.00	34.00		30% White quartz feldspar porphyry.	021794	30.00	32.00	2.00	5.	127.	27.	2500.	0.1
				021795	32.00	34.00	2.00	18.	341.	47.	3100.	0.4
34.00	46.00	QFP	White/grey quartz feldspar porphyry with minor disseminated pyrite.									
34.00	38.00		40% Limonitic intrusive.	021796	34.00	36.00	2.00	5.	117.	26.	1300.	0.2
				021797	36.00	38.00	2.00	18.	355.	39.	1500.	0.6
38.00	46.00		Increase in disseminated pyrite (5%).	021798	38.00	40.00	2.00	21.	585.	22.	2400.	0.4
				021799	40.00	42.00	2.00	31.	293.	45.	3900.	1.1
				021800	42.00	44.00	2.00	4.	174.	29.	3500.	1.8
				021801	44.00	46.00	2.00	8.	137.	36.	2700.	1.4
46.00	52.00	ARG	Black argillite.	021802	46.00	48.00	2.00	18.	189.	46.	1300.	1.3
				021803	48.00	50.00	2.00	7.	82.	17.	590.	0.4
				021804	50.00	52.00	2.00	12.	43.	12.	280.	0.6

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-289
Grid System : ORIGINAL
Collar Eastings : 21943.570
Collar Northings : 19503.120
Collar Elevations : 921.130
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2.5			1	3	3	3														
4.00	6.00	2.5			1	3	3	3														
6.00	8.00	2.5			3	3	3	3														
8.00	10.00	2.5			3	3	3	3														
10.00	12.00	2.5			2	3	3	3														
12.00	14.00	2.5			2	3	3	3														
14.00	16.00	2.5			3	3	3	3														
16.00	18.00	2.5			3	3	3	3		TR												
18.00	20.00	2.5			3	3	3	3														
20.00	22.00	2.5			3	3	3	3														
22.00	24.00	2.5			3	3	3	3														
24.00	26.00	2.5			3	3	3	3														
26.00	28.00	2.5			3	3	3	3														
28.00	30.00	2.5			3	3	3	3														
30.00	32.00	2.5			3	3	3	3		TR												
32.00	34.00	2.5			3	3	3	3		TR												
34.00	36.00	2.5			3	2	TR	1.5		1												
36.00	38.00	2.5			2	2	TR	1.5		3												
38.00	40.00	2.5			2	2		1.5		5												
40.00	42.00	2.5			2	2		1.5		5												
42.00	44.00	2.5			2	2		1.5		5												
44.00	46.00	2.5			2	2		1.5		5												
46.00	48.00																					
48.00	50.00																					
50.00	52.00																					

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PAGE : 1

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-290
Grid System : ORIGINAL
Collar Eastings : 21704.820
Collar Northings : 19891.070
Collar Elevations : 1014.930
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 46.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	10.00	QFP	White to limonitic brown, quartz feldspar porphyry.	021805	2.00	4.00	2.00	6660.	3019.	52.	3400.	1.6
				021806	4.00	6.00	2.00	12070.	4251.	44.	5700.	2.2
				021807	6.00	8.00	2.00	7570.	5552.	41.	4400.	1.7
				021808	8.00	10.00	2.00	4270.	4660.	48.	11000.	1.2
10.00	30.00	INT	Limonitic porphyritic intrusive with abundant white and yellow quartz.									
10.00	12.00		Abundant brown clay with 15% black argillite and 5% red quartz.	021809	10.00	12.00	2.00	2500.	2529.	58.	5300.	0.7
				021810	12.00	14.00	2.00	870.	1637.	25.	4700.	0.5
				021811	14.00	16.00	2.00	850.	2120.	33.	3300.	0.7
				021812	16.00	18.00	2.00	310.	1310.	33.	5200.	0.3
18.00	26.00		10-50% White quartz feldspar porphyry with minor dark brown intrusive.	021813	18.00	20.00	2.00	260.	744.	16.	7100.	0.1
				021814	20.00	22.00	2.00	1970.	1498.	22.	8900.	0.2
				021815	22.00	24.00	2.00	540.	877.	17.	7200.	0.1
				021816	24.00	26.00	2.00	1280.	1213.	24.	4900.	0.1
26.00	28.00		90% Dark brown intrusive.	021817	26.00	28.00	2.00	220.	835.	19.	6600.	0.1
28.00	30.00		30% Dark brown intrusive with 30% white intrusive.	021818	28.00	30.00	2.00	92.	692.	17.	5100.	0.1
30.00	46.00	ARG	Black argillite.									
30.00	32.00		20% White/limonitic and dark brown intrusive.	021819	30.00	32.00	2.00	55.	245.	10.	4500.	0.1
				021820	32.00	34.00	2.00	16.	63.	4.	3600.	0.2
				021821	34.00	36.00	2.00	25.	23.	3.	4100.	0.1
				021822	36.00	38.00	2.00	7.	27.	3.	4300.	0.3
				021823	38.00	40.00	2.00	4.	20.	6.	4100.	0.3
				021824	40.00	42.00	2.00	5.	18.	5.	4200.	2.0
				021825	42.00	44.00	2.00	4.	31.	10.	3300.	1.3
				021826	44.00	46.00	2.00	3.	24.	4.	3800.	1.6

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-290
Grid System : ORIGINAL
Collar Eastings : 21704.820
Collar Northings : 19891.070
Collar Elevations : 1014.930
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 46.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bc	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2					2	3	1	TR												
4.00	6.00	2					2	3	1	TR												
6.00	8.00	2					2	3	1	TR												
8.00	10.00	2					2	3	1	TR												
10.00	12.00	2.5					3	3	3	TR												
12.00	14.00	2.5					3	3	3	TR												
14.00	16.00	2.5					3	3	3	TR												
16.00	18.00	2.5					3	3	3	TR												
18.00	20.00	2.5					3	3	3	TR												
20.00	22.00	2.5					3	3	3	TR												
22.00	24.00	2.5					3	3	3	TR												
24.00	26.00	2.5					3	3	3	TR												
26.00	28.00	2.5					3	5	3	TR												
28.00	30.00	2.5					3	5	3	TR												
30.00	32.00																					
32.00	34.00																					
34.00	36.00																					
36.00	38.00																					
38.00	40.00																					
40.00	42.00																					
42.00	44.00																					
44.00	46.00																					

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PAGE : 1

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-291
Grid System : ORIGINAL
Collar Eastings : 21705.010
Collar Northings : 19867.780
Collar Elevations : 1010.730
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	44.00	INT	Limonitic porphyritic intrusive with abundant rusty red, orange and yellow quartz.	021827	2.00	4.00	2.00	180.	525.	25.	4600.	0.1
				021828	4.00	6.00	2.00	120.	841.	26.	5100.	0.1
				021829	6.00	8.00	2.00	240.	513.	21.	10000.	0.4
				021830	8.00	10.00	2.00	78.	288.	10.	4300.	0.1
				021831	10.00	12.00	2.00	990.	699.	34.	5500.	0.8
				021832	12.00	14.00	2.00	780.	921.	40.	8900.	0.6
				021833	14.00	16.00	2.00	1440.	1108.	43.	8600.	0.4
				021834	16.00	18.00	2.00	1360.	1607.	61.	13000.	1.6
				021835	18.00	20.00	2.00	1110.	991.	36.	7200.	0.8
				021836	20.00	22.00	2.00	720.	881.	41.	7900.	0.7
				021837	22.00	24.00	2.00	490.	937.	41.	7000.	0.4
				021838	24.00	26.00	2.00	1010.	1654.	99.	7300.	0.4
				021839	26.00	28.00	2.00	1780.	1654.	46.	8100.	0.8
				021840	28.00	30.00	2.00	1790.	1680.	113.	6900.	1.2
				021841	30.00	32.00	2.00	3260.	2334.	54.	20000.	1.4
				021842	32.00	34.00	2.00	2700.	2694.	47.	13000.	1.9
				021843	34.00	36.00	2.00	2380.	3067.	34.	3500.	1.2
				021844	36.00	38.00	2.00	1570.	1206.	28.	3300.	1.2
38.00	44.00		Increase in rusty red and yellow quartz.	021845	38.00	40.00	2.00	2780.	1200.	179.	3400.	1.2
				021846	40.00	42.00	2.00	10680.	2643.	168.	4000.	2.2
				021847	42.00	44.00	2.00	5560.	2225.	55.	6900.	6.7
44.00	52.00	ARG	Black argillite with 40% rusty quartz and limonitic intrusive.	021848	44.00	46.00	2.00	580.	689.	30.	7400.	2.1
				021849	46.00	48.00	2.00	120.	115.	13.	11400.	1.9
				021850	48.00	50.00	2.00	93.	104.	7.	6100.	1.9
				021851	50.00	52.00	2.00	90.	100.	6.	3600.	2.0

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-291
Grid System : ORIGINAL
Collar Eastings : 21705.010
Collar Northings : 19867.780
Collar Elevations : 1010.730
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged By : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2.5					2.5	3	2.5													
4.00	6.00	2.5					2.5	3	2.5													
6.00	8.00	2.5					2.5	3	2.5													
8.00	10.00	2.5					2.5	3	2.5													
10.00	12.00	2.5					2.5	3	2.5													
12.00	14.00	2.5					2.5	3	2.5													
14.00	16.00	2.5					2.5	3	2.5													
16.00	18.00	2.5					2.5	3	2.5													
18.00	20.00	2.5					2.5	3	2.5													
20.00	22.00	2.5					2.5	3	2.5													
22.00	24.00	2.5					2.5	3	2.5													
24.00	26.00	2.5					2.5	3	2.5													
26.00	28.00	2.5					2.5	3	2.5													
28.00	30.00	2.5					2.5	3	2.5													
30.00	32.00	2.5					2.5	3	2.5													
32.00	34.00	2.5					3	3	3													
34.00	36.00	2.5					3	3	3													
36.00	38.00	2.5					3	3	3													
38.00	40.00	2.5					3	3	3.5													
40.00	42.00	2.5					3	3	3.5													
42.00	44.00	2.5					3	3	3.5													
44.00	46.00								3.5													
46.00	48.00								2													
48.00	50.00								2													
50.00	52.00								2													

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-292
Grid System : ORIGINAL
Collar Eastings : 21708.080
Collar Northings : 19845.840
Collar Elevations : 1003.250
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged By : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	48.00	INT	Limonitic quartz rich porphyritic intrusive.	021852	2.00	4.00	2.00	940.	751.	30.	4100.	0.3
				021853	4.00	6.00	2.00	960.	557.	26.	5200.	0.3
6.00	8.00		40% White quartz feldspar porphyry with minor disseminated pyrite.	021854	6.00	8.00	2.00	99.	290.	28.	7000.	0.1
				021855	8.00	10.00	2.00	430.	823.	100.	4600.	0.1
				021856	10.00	12.00	2.00	83.	656.	74.	4000.	0.1
				021857	12.00	14.00	2.00	260.	670.	93.	4100.	0.1
				021858	14.00	16.00	2.00	44.	602.	163.	3200.	0.3
				021859	16.00	18.00	2.00	22.	367.	101.	3800.	0.1
				021860	18.00	20.00	2.00	41.	705.	236.	3200.	0.1
				021861	20.00	22.00	2.00	22.	618.	265.	3000.	0.1
22.00	24.00		30% White quartz feldspar porphyry with minor disseminated pyrite.	021862	22.00	24.00	2.00	110.	266.	121.	5400.	0.2
				021863	24.00	26.00	2.00	500.	1016.	776.	4500.	0.5
				021864	26.00	28.00	2.00	27.	689.	288.	3300.	0.2
				021865	28.00	30.00	2.00	32.	541.	263.	3900.	0.2
				021866	30.00	32.00	2.00	19.	757.	255.	3100.	0.2
				021867	32.00	34.00	2.00	27.	700.	185.	1900.	0.2
				021868	34.00	36.00	2.00	720.	923.	250.	4800.	0.4
				021869	36.00	38.00	2.00	4840.	688.	7284.	4400.	8.3
38.00	40.00		40% White quartz feldspar porphyry with minor disseminated pyrite.	021870	38.00	40.00	2.00	94.	533.	783.	3200.	0.5
				021871	40.00	42.00	2.00	86.	563.	501.	1800.	0.2
42.00	46.00		Abundant rusty red quartz.	021872	42.00	44.00	2.00	5.	450.	471.	2700.	0.1
				021873	44.00	46.00	2.00	22.	426.	354.	2500.	0.4
46.00	48.00		Abundant rusty red quartz, 30% black argillite.	021874	46.00	48.00	2.00	43.	348.	164.	3700.	0.4
48.00	52.00	ARG	Black argillite.	021875	48.00	50.00	2.00	7.	297.	64.	2800.	1.4
				021876	50.00	52.00	2.00	3.	155.	38.	1400.	0.6

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-292
Grid System : ORIGINAL
Collar Eastings : 21708.880
Collar Northings : 19845.840
Collar Elevations : 1003.250
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2					2.5	3	2													
4.00	6.00	2					2.5	3	2													
6.00	8.00	2					2.5	3	2	TR												
8.00	10.00	2					2.5	3	2	TR												
10.00	12.00	2					2.5	3	2													
12.00	14.00	2					2.5	3	2													
14.00	16.00	2					2.5	3	2													
16.00	18.00	2					2.5	3	2													
18.00	20.00	2					2.5	3	2													
20.00	22.00	2					2.5	3	2													
22.00	24.00	2					2.5	1	2	TR												
24.00	26.00	2					2.5	3	2													
26.00	28.00	2					2.5	3	2													
28.00	30.00	2					2.5	3	2													
30.00	32.00	2					2.5	3	2													
32.00	34.00	2					2.5	3	2													
34.00	36.00	2					2.5	3	2													
36.00	38.00	2					2.5	3	2													
38.00	40.00	2					2.5	1	2													
40.00	42.00	2.5					2.5	5	2													
42.00	44.00	2.5					2.5	5	3													
44.00	46.00	2.5					2.5	5	3													
46.00	48.00	2.5					2.5	5	3													
48.00	50.00																					
50.00	52.00																					

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-293
Grid System : ORIGINAL
Collar Eastings : 21704.840
Collar Northings : 19822.220
Collar Elevations : 996.860
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	44.00	INT	Limonitic porphyritic intrusive.	021877	2.00	4.00	2.00	280.	944.	813.	4200.	0.4
				021878	4.00	6.00	2.00	520.	1376.	1661.	5100.	0.6
				021879	6.00	8.00	2.00	57.	730.	541.	5600.	0.3
				021880	8.00	10.00	2.00	23.	954.	972.	5000.	0.1
				021881	10.00	12.00	2.00	8.	434.	301.	3600.	0.1
				021882	12.00	14.00	2.00	19.	317.	102.	3000.	0.2
				021883	14.00	16.00	2.00	56.	535.	205.	6100.	0.2
				021884	16.00	18.00	2.00	20.	408.	271.	6600.	0.2
				021885	18.00	20.00	2.00	15.	1056.	675.	3900.	0.4
				021886	20.00	22.00	2.00	108.	537.	371.	6600.	0.3
				021887	22.00	24.00	2.00	45.	699.	500.	5600.	0.2
				021888	24.00	26.00	2.00	12.	594.	358.	6500.	0.2
				021889	26.00	28.00	2.00	870.	823.	1404.	6200.	1.3
				021890	28.00	30.00	2.00	17.	228.	155.	5700.	0.2
				021891	30.00	32.00	2.00	57.	674.	558.	4300.	0.1
				021892	32.00	34.00	2.00	54.	685.	400.	10600.	0.2
				021893	34.00	36.00	2.00	17.	716.	366.	4100.	0.1
				021894	36.00	38.00	2.00	24.	875.	417.	1600.	0.1
				021895	38.00	40.00	2.00	18.	606.	322.	1200.	0.1
40.00	44.00		10% White quartz feldspar porphyry that is pyritic.	021896	40.00	42.00	2.00	21.	296.	102.	1700.	0.2
				021897	42.00	44.00	2.00	7.	165.	65.	2200.	0.3
44.00	50.00	ARG	Black argillite.	021898	44.00	46.00	2.00	119.	188.	28.	510.	0.5
				021899	46.00	48.00	2.00	3.	152.	24.	130.	0.3
				021900	48.00	50.00	2.00	5.	146.	26.	430.	0.4
50.00	52.00	QPP	White/brown quartz feldspar porphyritic intrusive with 10% grey shale and black argillite.	021901	50.00	52.00	2.00	9.	57.	18.	760.	0.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-293
Grid System : ORIGINAL
Collar Eastings : 21704.840
Collar Northings : 19822.220
Collar Elevations : 996.860
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES												GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %		FROM	TO	Reco-very %	Lim %	Break-age	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	3					2	3	3														
4.00	6.00	3					2	3	3														
6.00	8.00	3					2	3	2														
8.00	10.00	3					2	3	2														
10.00	12.00	3					2	3	2														
12.00	14.00	3					2	3	2														
14.00	16.00	3					2	3	2														
16.00	18.00	3					2	3	2														
18.00	20.00	3					2	3	2														
20.00	22.00	3					2	3	2														
22.00	24.00	3					2	3	2														
24.00	26.00	3					2	3	2														
26.00	28.00	3					2	3	2														
28.00	30.00	3					2	3	2														
30.00	32.00	3					2	3	2														
32.00	34.00	3					2	3	2														
34.00	36.00	3					2	3	2														
36.00	38.00	3					2	5	2														
38.00	40.00	3					2	5	2														
40.00	42.00	3			2		2	1	2	TR													
42.00	44.00	3			2		2	1	2	TR													
44.00	46.00																						
46.00	48.00																						
48.00	50.00																						
50.00	52.00	2			1		2		1	TR													

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-294
Grid System : ORIGINAL
Collar Eastings : 21707.530
Collar Northings : 19796.760
Collar Elevations : 990.150
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	6.00	F*INT	Green/brown, biotite rich, porphyritic intrusive.	021902	2.00	4.00	2.00	65.	230.	76.	2300.	0.3
				021903	4.00	6.00	2.00	19.	54.	36.	360.	0.2
6.00	40.00	INT	Limonitic porphyritic intrusive with minor white quartz feldspar porphyritic intrusive.	021904	6.00	8.00	2.00	23.	31.	30.	240.	0.2
				021905	8.00	10.00	2.00	12.	176.	120.	6700.	0.2
				021906	10.00	12.00	2.00	112.	228.	148.	5600.	0.2
				021907	12.00	14.00	2.00	1200.	715.	178.	5700.	0.4
				021908	14.00	16.00	2.00	210.	379.	112.	7000.	0.1
				021909	16.00	18.00	2.00	47.	420.	162.	9200.	0.2
				021910	18.00	20.00	2.00	14.	793.	367.	5700.	0.2
20.00	30.00		20% White quartz feldspar porphyry.	021911	20.00	22.00	2.00	260.	507.	172.	6300.	0.4
				021912	22.00	24.00	2.00	1750.	903.	256.	8700.	0.5
				021913	24.00	26.00	2.00	76.	297.	147.	5400.	0.3
				021914	26.00	28.00	2.00	30.	298.	125.	5200.	0.2
				021915	28.00	30.00	2.00	51.	431.	114.	4300.	0.3
				021916	30.00	32.00	2.00	39.	690.	58.	7000.	0.5
				021917	32.00	34.00	2.00	17.	134.	30.	4900.	0.1
				021918	34.00	36.00	2.00	7.	150.	31.	3800.	0.2
				021919	36.00	38.00	2.00	780.	1360.	41.	4700.	0.6
				021920	38.00	40.00	2.00	1500.	990.	350.	3900.	1.1
40.00	48.00	ARG	Black argillite.	021921	40.00	42.00	2.00	28.	116.	19.	1000.	0.4
				021922	42.00	44.00	2.00	24.	48.	13.	1000.	0.4
44.00	46.00		2% White pyritic quartz feldspar porphyry.	021923	44.00	46.00	2.00	7.	56.	12.	1100.	0.4
46.00	48.00		10% White pyritic quartz feldspar porphyry.	021924	46.00	48.00	2.00	24.	244.	16.	1300.	0.4
48.00	50.00	QFP	White pyritic quartz feldspar porphyry.	021925	48.00	50.00	2.00	65.	173.	21.	6100.	0.2

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-294
Grid System : ORIGINAL
Collar Eastings : 21707.530
Collar Northings : 19796.760
Collar Elevations : 990.150
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES

FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00	1						3		
4.00	6.00	1						3		
6.00	8.00	2.5					2	3	3	
8.00	10.00	2.5					2	3	3	
10.00	12.00	2.5					2	3	3	
12.00	14.00	2.5					2	3	3	
14.00	16.00	2.5					2	3	3	
16.00	18.00	2.5					2.5	5	3	
18.00	20.00	2.5					2.5	5	3	
20.00	22.00	2.5					2.5	3	3	
22.00	24.00	2.5					2.5	3	3	
24.00	26.00	2.5					2.5	3	3	
26.00	28.00	2.5					2.5	3	3	TR
28.00	30.00	2.5					2.5	3	3	TR
30.00	32.00	2.5					2.5	3	3	TR
32.00	34.00	2.5					2.5	3	3	TR
34.00	36.00	2.5					2.5	3	3	TR
36.00	38.00	2.5					2.5	5	3	TR
38.00	40.00	2.5					2.5	5	3	TR
40.00	42.00									
42.00	44.00									
44.00	46.00									
46.00	48.00									
48.00	50.00							TR	3	3

GEOTECHNICAL SAMPLES

FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-29
Grid System : ORIGINAL
Collar Eastings : 21712.260
Collar Northings : 19768.310
Collar Elevations : 978.390
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	28.00	INT	Limonitic porphyritic intrusive with abundant quartz.	021926	2.00	4.00	2.00	3380.	2260.	1919.	8500.	1.2
				021927	4.00	6.00	2.00	4610.	2226.	4531.	7000.	2.2
				021928	6.00	8.00	2.00	5220.	2380.	3020.	13600.	1.0
				021929	8.00	10.00	2.00	119.	843.	758.	5500.	0.2
				021930	10.00	12.00	2.00	7980.	2662.	1541.	1400.	1.4
				021931	12.00	14.00	2.00	1030.	1990.	680.	11000.	0.5
				021932	14.00	16.00	2.00	400.	2290.	624.	4400.	0.5
16.00	18.00		5% Black argillite with 5% soft grey mudstone and 20% white quartz feldspar porphyry.	021933	16.00	18.00	2.00	420.	1319.	797.	3100.	1.4
18.00	20.00		20% White quartz feldspar porphyry.	021934	18.00	20.00	2.00	440.	1450.	592.	3500.	0.9
				021935	20.00	22.00	2.00	1130.	2706.	987.	3900.	0.4
				021936	22.00	24.00	2.00	2680.	3486.	1982.	16000.	1.1
				021937	24.00	26.00	2.00	1190.	3304.	1251.	6600.	1.0
				021938	26.00	28.00	2.00	240.	1536.	381.	7300.	0.7
28.00	30.00	ARG	Black argillite with minor grey shale.	021939	28.00	30.00	2.00	43.	181.	55.	1800.	0.2
30.00	32.00	INT	Limonitic porphyritic intrusive with 40% black argillite.	021940	30.00	32.00	2.00	3.	163.	68.	1700.	0.3
32.00	36.00	ARG	Black argillite with10% limonitic intrusive.	021941	32.00	34.00	2.00	13.	107.	34.	1000.	0.4
				021942	34.00	36.00	2.00	8.	90.	43.	680.	0.2
36.00	38.00	INT	Limonitic porphyritic intrusive with 5% black argillite.	021943	36.00	38.00	2.00	8.	264.	81.	2500.	0.7
38.00	40.00	QFP	White/grey, pyritic, quartz feldspar porphyritic intrusive with 10% limonitic intrusive.	021944	38.00	40.00	2.00	43.	389.	70.	2100.	1.1
40.00	46.00	ARG	Black argillite.									
40.00	42.00		10% Limonitic intrusive.	021945	40.00	42.00	2.00	13.	349.	81.	2200.	3.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-295

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				021946	42.00	44.00	2.00	29.	116.	28.	700.	1.2
				021947	44.00	46.00	2.00	7.	120.	39.	1000.	0.9
46.00	52.00	QFP	White/grey, pyritic, quartz feldspar porphyry.	021948	46.00	48.00	2.00	31.	142.	55.	900.	0.6
				021949	48.00	50.00	2.00	9.	75.	24.	1000.	0.3
				021950	50.00	52.00	2.00	43.	1552.	55.	4100.	0.2

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-295
Grid System : ORIGINAL
Collar Eastings : 21712.260
Collar Northings : 19768.310
Collar Elevations : 978.390
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged By : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00	3					3	5	3	
4.00	6.00	3					3	5	3	
6.00	8.00	3					3	5	3	
8.00	10.00	3					3	3	3	
10.00	12.00	3					3	5	3	
12.00	14.00	3					3	5	3	
14.00	16.00	2.5					3	3	2	
16.00	18.00	2.5					3	3	2	
18.00	20.00	3					3	5	3	
20.00	22.00	3					3	5	3	
22.00	24.00	3					3	5	3	
24.00	26.00	3					3	5	3	
26.00	28.00	3					3	5	3	
28.00	30.00									
30.00	32.00	3					3	3		
32.00	34.00									
34.00	36.00									
36.00	38.00	2					1.5	3	2	
38.00	40.00	2					2	1	2	3
40.00	42.00									
42.00	44.00									
44.00	46.00									
46.00	48.00	2					2.5	1	2	1
48.00	50.00	2					2.5	1	2	1
50.00	52.00	2					2.5	1	2	1

FROM	TO	GEOTECHNICAL SAMPLES Reco-very %	Lim %	Break-age	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-296
Grid System : ORIGINAL
Collar Eastings : 21710.180
Collar Northings : 19750.380
Collar Elevations : 970.250
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	22.00	INT	Limonitic quartz rich porphyritic intrusive.	021951	2.00	4.00	2.00	8330.	4413.	2882.	7900.	2.2
				021952	4.00	6.00	2.00	9090.	4305.	3398.	6800.	2.5
				021953	6.00	8.00	2.00	9150.	4534.	5169.	9600.	2.7
				021954	8.00	10.00	2.00	5880.	3699.	3744.	9400.	2.2
				021955	10.00	12.00	2.00	1140.	1249.	4793.	6800.	1.5
				021956	12.00	14.00	2.00	640.	2167.	7166.	7000.	1.2
				021957	14.00	16.00	2.00	560.	2472.	557.	3600.	1.3
16.00	22.00		20% White quartz feldspar porphyry.	021958	16.00	18.00	2.00	700.	2330.	1153.	14000.	0.7
				021959	18.00	20.00	2.00	660.	2625.	524.	27000.	0.5
				021960	20.00	22.00	2.00	940.	2460.	395.	13000.	0.7
22.00	28.00	ARG	Black argillite with minor grey shale.									
22.00	24.00		30% Rusty quartz and intrusive.	021961	22.00	24.00	2.00	780.	1940.	196.	9100.	1.2
				021962	24.00	26.00	2.00	19.	203.	31.	2600.	0.3
				021963	26.00	28.00	2.00	89.	447.	46.	2300.	0.3
28.00	30.00	INT	Limonitic porphyritic intrusive.	021964	28.00	30.00	2.00	44.	772.	148.	2400.	2.1
30.00	40.00	QFP	Grey white, pyritic, quartz feldspar porphyry.	021965	30.00	32.00	2.00	40.	729.	94.	2300.	1.2
				021966	32.00	34.00	2.00	7.	187.	119.	2200.	0.5
				021967	34.00	36.00	2.00	5.	120.	54.	2000.	0.4
				021968	36.00	38.00	2.00	1.	320.	74.	1900.	0.6
38.00	40.00		40% Black argillite.	021969	38.00	40.00	2.00	16.	195.	41.	2700.	0.6
40.00	44.00	ARG	Black argillite.									
40.00	42.00		30% White quartz feldspar porphyry.	021970	40.00	42.00	2.00	7.	381.	66.	2900.	0.7
42.00	44.00		10% White quartz feldspar porphyry.	021971	42.00	44.00	2.00	95.	180.	53.	2000.	0.9
44.00	50.00	QFP	Grey/white quartz feldspar porphyry with minor disseminated pyrite.									
44.00	50.00		20% Black argillite.	021972	44.00	46.00	2.00	140.	200.	79.	1800.	0.6
				021973	46.00	48.00	2.00	160.	214.	114.	1200.	1.0
				021974	48.00	50.00	2.00	140.	241.	61.	1900.	1.3

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-296
Grid System : ORIGINAL
Collar Eastings : 21710.160
Collar Northings : 19750.380
Collar Elevations : 970.250
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged By : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bds	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2.5					3	3	2													
4.00	6.00	2.5					3	3	2													
6.00	8.00	2.5					3	3	2													
8.00	10.00	2.5					3	3	2													
10.00	12.00	2.5					3	3	2													
12.00	14.00	2.5					3	3	2													
14.00	16.00	2.5					3	3	2													
16.00	18.00	2.5					3	3	2													
18.00	20.00	2.5					3	3	2													
20.00	22.00	2.5					3	3	2													
22.00	24.00							1														
24.00	26.00																					
26.00	28.00																					
28.00	30.00	2			2	2	3	1.5														
30.00	32.00	2.5			2	2.5		1.5	1													
32.00	34.00	2.5			2	2.5		1.5	1													
34.00	36.00	2.5			2	2.5		1.5	1													
36.00	38.00	2.5			2	2.5		1.5	1													
38.00	40.00	2.5			2	2.5		1.5	1													
40.00	42.00				2																	
42.00	44.00				2																	
44.00	46.00	1.5			2	2		1	TR													
46.00	48.00	1.5			2	2		1	TR													
48.00	50.00	1.5			2	2		1	TR													

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-297
Grid System : ORIGINAL
Collar Eastings : 21710.560
Collar Northings : 19725.570
Collar Elevations : 960.170
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	18.00	F*INT	Green/brown, black biotite rich, porphyritic intrusive.	021975	2.00	4.00	2.00	620.	802.	566.	2200.	0.9
				021976	4.00	6.00	2.00	2660.	865.	485.	1500.	1.0
				021977	6.00	8.00	2.00	250.	209.	96.	500.	0.4
				021978	8.00	10.00	2.00	53.	71.	43.	210.	0.4
				021979	10.00	12.00	2.00	52.	214.	125.	390.	0.3
				021980	12.00	14.00	2.00	31.	185.	136.	240.	0.3
				021981	14.00	16.00	2.00	10.	168.	134.	680.	0.3
				021982	16.00	18.00	2.00	6.	140.	125.	530.	0.3
18.00	28.00	INT	Limonitic porphyritic intrusive.	021983	18.00	20.00	2.00	10.	232.	193.	4800.	0.3
				021984	20.00	22.00	2.00	24.	526.	458.	4700.	0.3
				021985	22.00	24.00	2.00	670.	1157.	408.	4200.	0.6
				021986	24.00	26.00	2.00	3700.	2436.	1693.	5600.	1.0
26.00	28.00		5% White quartz feldspar porphyry.	021987	26.00	28.00	2.00	1150.	1136.	506.	3400.	0.5
28.00	42.00	QFP	White, pyritic, quartz feldspar porphyry with 20% limonitic intrusive.	021988	28.00	30.00	2.00	50.	240.	101.	6500.	0.5
				021989	30.00	32.00	2.00	56.	423.	176.	3800.	0.4
				021990	32.00	34.00	2.00	14.	84.	36.	1300.	0.3
				021991	34.00	36.00	2.00	23.	217.	95.	3300.	0.3
				021992	36.00	38.00	2.00	71.	699.	224.	4300.	0.4
				021993	38.00	40.00	2.00	120.	792.	211.	4500.	0.4
				021994	40.00	42.00	2.00	1610.	420.	3015.	3500.	0.8
42.00	44.00	ARG	Black argillite.	021995	42.00	44.00	2.00	370.	283.	151.	6800.	1.0
44.00	46.00	QFP	White quartz feldspar porphyry with 30% black argillite.	021996	44.00	46.00	2.00	230.	297.	158.	4100.	0.5
46.00	48.00	ARG	Black argillite with 40% white quartz feldspar porphyry.	021997	46.00	48.00	2.00	70.	152.	53.	1600.	0.5
48.00	50.00	QFP	White quartz feldspar porphyry with 5% black argillite.	021998	48.00	50.00	2.00	130.	216.	117.	1300.	0.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-297
Grid System : ORIGINAL
Collar Eastings : 21710.560
Collar Northings : 19725.570
Collar Elevations : 968.170
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : BQ

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES									
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00							3														
4.00	6.00							3														
6.00	8.00							3														
8.00	10.00							1														
10.00	12.00							3														
12.00	14.00							3														
14.00	16.00							3														
16.00	18.00							3														
18.00	20.00	2					2.5	5	2													
20.00	22.00	2					2.5	5	2													
22.00	24.00	2					2.5	5	2													
24.00	26.00	2					2.5	5	2													
26.00	28.00	2					2.5	5	2													
28.00	30.00	2					2.5	TR	2.5	1												
30.00	32.00	2					2.5	1	2.5	1												
32.00	34.00	2			2		2.5		2.5	1												
34.00	36.00	2					2.5	1	2.5	1												
36.00	38.00	2					2.5	1	2.5	1												
38.00	40.00	2					2.5	1	2.5	1												
40.00	42.00	2					2.5	1	2.5	1												
42.00	44.00									TR												
44.00	46.00	2					2.5		2.5	1												
46.00	48.00									1												
48.00	50.00	1.5			2		2		1	1												

BORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-298
Grid System : ORIGINAL
Collar Eastings : 21894.540
Collar Northings : 19928.140
Collar Elevations : 994.760
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 58.00
Claim No. :

Logged By : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	6.00	INT	Limonitic porphyritic intrusive with abundant bleached (light brown) biotite.	021999	2.00	4.00	2.00	60.	91.	11.	2100.	0.2
				022000	4.00	6.00	2.00	18.	93.	9.	2900.	0.2
6.00	8.00	QFP	White quartz feldspar porphyritic intrusive with 45% limonitic intrusive.	022001	6.00	8.00	2.00	27.	95.	11.	4000.	0.1
8.00	18.00	INT	Limonitic porphyritic intrusive.									
8.00	10.00		10% Clear quartz.	022002	8.00	10.00	2.00	8.	87.	7.	3400.	0.1
				022003	10.00	12.00	2.00	15.	141.	5.	4800.	0.1
				022004	12.00	14.00	2.00	13.	128.	6.	3300.	0.2
				022005	14.00	16.00	2.00	7.	165.	7.	3200.	0.2
				022006	16.00	18.00	2.00	7.	168.	6.	2300.	0.4
18.00	32.00	ARG	Black argillite with minor brown/grey shale.	022007	18.00	20.00	2.00	8.	35.	7.	1300.	0.1
				022008	20.00	22.00	2.00	9.	27.	9.	1100.	0.5
				022009	22.00	24.00	2.00	11.	45.	13.	820.	0.9
				022010	24.00	26.00	2.00	8.	59.	17.	640.	0.5
				022011	26.00	28.00	2.00	7.	42.	20.	730.	1.2
				022012	28.00	30.00	2.00	4.	28.	9.	920.	0.6
				022013	30.00	32.00	2.00	10.	28.	9.	1600.	0.1
32.00	34.00	INT	Limonitic porphyritic intrusive with abundant clear and white quartz.	022014	32.00	34.00	2.00	4.	36.	17.	3800.	0.8
34.00	38.00	F*INT	Limonitic, black and brown biotite rich, porphyritic intrusive.	022015	34.00	36.00	2.00	4.	77.	14.	830.	0.7
36.00	38.00		40% Black argillite.	022016	36.00	38.00	2.00	6.	107.	12.	1200.	0.2
38.00	48.00	ARG	Black argillite with minor soft grey shale.	022017	38.00	40.00	2.00	6.	41.	15.	1300.	0.7
				022018	40.00	42.00	2.00	4.	36.	11.	1100.	0.4
				022019	42.00	44.00	2.00	6.	70.	20.	1500.	0.8
				022020	44.00	46.00	2.00	11.	20.	14.	2500.	0.2
46.00	48.00		10% Red quartz and limonitic intrusive.	022021	46.00	48.00	2.00	7.	113.	15.	2400.	0.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-298

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
48.00	58.00	QFP	Grey/white, pyritic, quartz feldspar porphyry.	022022	48.00	50.00	2.00	10.	268.	12.	1500.	0.2
				022023	50.00	52.00	2.00	3.	104.	10.	520.	0.1
				022024	52.00	54.00	2.00	9.	58.	17.	380.	0.6
				022025	54.00	56.00	2.00	5.	106.	25.	1200.	0.7
				022026	56.00	58.00	2.00	8.	73.	20.	810.	0.7

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-298
Grid System : ORIGINAL
Collar Eastings : 21894.540
Collar Northings : 19928.140
Collar Elevations : 994.760
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 58.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : BC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Bil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sr %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2				2		3	1													
4.00	6.00	2				2		3	1													
6.00	8.00	2			2	2.5			2													
8.00	10.00	2				2.5		3	2													
10.00	12.00	2				2.5		5	2													
12.00	14.00	2				2.5		5	2													
14.00	16.00	2				2.5		5	2													
16.00	18.00	2				2.5		5	2													
18.00	20.00																					
20.00	22.00																					
22.00	24.00																					
24.00	26.00																					
26.00	28.00																					
28.00	30.00																					
30.00	32.00																					
32.00	34.00	1.5				1.5		3	1													
34.00	36.00							3														
36.00	38.00							3														
38.00	40.00																					
40.00	42.00																					
42.00	44.00																					
44.00	46.00																					
46.00	48.00																					
48.00	50.00	1.5			1	2			1.5	1												
50.00	52.00	1.5			1	2			1.5	1												
52.00	54.00	1.5			1	2			1.5	1												
54.00	56.00	1.5			2	2			1.5	1												
56.00	58.00	1.5			2	2			1.5	1												

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-299
Grid System : ORIGINAL
Collar Eastings : 21895.630
Collar Northings : 19903.810
Collar Elevations : 984.710
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	18.00	INT	Limonitic quartz rich porphyritic intrusive with abundant rusty red and orange quartz.	022027	2.00	4.00	2.00	380.	1027.	22.	7600.	0.4
				022028	4.00	6.00	2.00	3200.	2610.	23.	23000.	0.6
				022029	6.00	8.00	2.00	420.	1259.	17.	15000.	0.1
				022030	8.00	10.00	2.00	900.	1377.	20.	17000.	0.3
				022031	10.00	12.00	2.00	2390.	2044.	21.	10000.	0.4
				022032	12.00	14.00	2.00	500.	1447.	21.	14000.	0.1
				022033	14.00	16.00	2.00	170.	1288.	22.	15000.	0.1
16.00	18.00		60% Rusty red, yellow and orange quartz. 30% Black argillite.	022034	16.00	18.00	2.00	2250.	1885.	23.	26000.	1.7
18.00	20.00	ARG	Black argillite.	022035	18.00	20.00	2.00	64.	324.	22.	5100.	1.3
20.00	24.00	INT	Limonitic quartz rich intrusive with abundant rusty orange and white quartz.									
20.00	22.00		5% Black argillite.	022036	20.00	22.00	2.00	72.	999.	24.	20000.	0.5
				022037	22.00	24.00	2.00	46.	606.	18.	11000.	0.4
24.00	28.00	SEDS	Soft, grey mudstone with minor black argillite.	022038	24.00	26.00	2.00	20.	112.	11.	2600.	0.5
				022039	26.00	28.00	2.00	26.	200.	12.	2200.	0.1
28.00	32.00	INT	Limonitic quartz rich intrusive with abundant rusty orange and yellow quartz.	022040	28.00	30.00	2.00	63.	1019.	23.	5600.	0.1
				022041	30.00	32.00	2.00	1960.	2496.	30.	8700.	0.3
32.00	40.00	ARG	Black argillite with minor grey mudstone.	022042	32.00	34.00	2.00	210.	501.	20.	6400.	1.0
				022043	34.00	36.00	2.00	51.	99.	13.	8400.	1.4
				022044	36.00	38.00	2.00	36.	54.	17.	7600.	2.0
				022045	38.00	40.00	2.00	34.	47.	18.	6600.	1.9

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-299
Grid System : ORIGINAL
Collar Eastings : 21895.630
Collar Northings : 19903.810
Collar Elevations : 984.710
Collar Bearing : 999.99
Grid Baseline : 66.80

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.00	4.00	3					3	1	3.5														
4.00	6.00	3					3	3	3														
6.00	8.00	3					3	3	3														
8.00	10.00	3					3	3	3														
10.00	12.00	3					3	5	3														
12.00	14.00	3					3	5	3														
14.00	16.00	3					3	5	3														
16.00	18.00	3					3	3	3.5														
18.00	20.00																						
20.00	22.00	3					3	3	3														
22.00	24.00	3					3	3	3														
24.00	26.00																						
26.00	28.00																						
28.00	30.00	3					3	3	3														
30.00	32.00	3					3	3	3														
32.00	34.00																						
34.00	36.00																						
36.00	38.00																						
38.00	40.00																						

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCEC 90-300
Grid System : ORIGINAL
Collar Eastings : 21899.830
Collar Northings : 19877.290
Collar Elevations : 972.200
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	4.00	ARG	Black argillite with 20% limonitic intrusive.	022046	2.00	4.00	2.00	510.	938.	127.	8300.	0.5
4.00	32.00	INT	Limonitic porphyritic intrusive with abundant dark red quartz.	022047	4.00	6.00	2.00	70.	342.	42.	4300.	0.3
6.00	8.00		5% White quartz feldspar porphyry.	022048	6.00	8.00	2.00	54.	346.	35.	7100.	0.2
				022049	8.00	10.00	2.00	210.	894.	28.	6200.	0.2
				022050	10.00	12.00	2.00	170.	759.	26.	7400.	0.3
				022051	12.00	14.00	2.00	6240.	4469.	44.	41000.	1.2
				022052	14.00	16.00	2.00	1540.	2403.	27.	18000.	0.7
				022053	16.00	18.00	2.00	3940.	2886.	21.	6400.	1.3
				022054	18.00	20.00	2.00	3410.	2444.	23.	5100.	1.0
				022055	20.00	22.00	2.00	1210.	1848.	24.	14000.	0.8
				022056	22.00	24.00	2.00	910.	1854.	23.	13000.	0.7
24.00	32.00		80% Yellow and white quartz.	022057	24.00	26.00	2.00	2300.	1098.	17.	10000.	0.9
				022058	26.00	28.00	2.00	7140.	1558.	13.	9500.	1.5
				022059	28.00	30.00	2.00	4680.	2007.	39.	18000.	1.5
				022060	30.00	32.00	2.00	3560.	1512.	48.	11000.	0.8
32.00	38.00	SEDS	Rusty brown/black shale with minor black argillite and grey quartz.	022061	32.00	34.00	2.00	2530.	607.	24.	6200.	0.9
				022062	34.00	36.00	2.00	1500.	739.	55.	6800.	1.2
				022063	36.00	38.00	2.00	610.	326.	42.	6500.	1.2
38.00	40.00	ARG	Black argillite.	022064	38.00	40.00	2.00	81.	80.	22.	4600.	1.1
40.00	44.00	INT	Limonitic porphyritic intrusive with abundant clear quartz.									
40.00	42.00		10% Black argillite.	022065	40.00	42.00	2.00	150.	570.	49.	1600.	0.4
42.00	44.00		20% White quartz feldspar porphyry.	022066	42.00	44.00	2.00	150.	652.	23.	2600.	0.4
44.00	48.00	QFP	Grey/white, pyritic, quartz feldspar porphyry.	022067	44.00	46.00	2.00	270.	886.	24.	3200.	0.7
				022068	46.00	48.00	2.00	220.	543.	29.	4900.	0.7
48.00	52.00	ARG	Black graphitic argillite.	022069	48.00	50.00	2.00	63.	215.	23.	4400.	0.9

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-300

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				022070	50.00	52.00	2.00	59.	141.	21.	7800.	1.8

BORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-388
Grid System : ORIGINAL
Collar Eastings : 21899.830
Collar Northings : 19877.290
Collar Elevations : 972.200
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2.5			1	3	1	3														
4.00	6.00	2.5			1	3	1	3														
6.00	8.00	2.5			2	3	3	3		TR												
8.00	10.00	2.5			2	3	3	3														
10.00	12.00	2.5			2	3	3	3														
12.00	14.00	2.5			3	3	3	3														
14.00	16.00	2.5			2	3	3	3														
16.00	18.00	2.5				3	5	3														
18.00	20.00	2.5				3	5	3														
20.00	22.00	2.5				3	5	3														
22.00	24.00	2.5				3	5	3														
24.00	26.00	3				3	3	4														
26.00	28.00	3				3	3	4														
28.00	30.00	3				3	3	4														
30.00	32.00	3				3	3	4														
32.00	34.00						3	4														
34.00	36.00																					
36.00	38.00																					
38.00	40.00																					
40.00	42.00	3				3	1	3														
42.00	44.00	3				3	3	3		TR												
44.00	46.00	2				3	1	2.5		1												
46.00	48.00	2				3		2.5		1												
48.00	50.00																					
50.00	52.00																					

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-301
Grid System : ORIGINAL
Collar Eastings : 21895.250
Collar Northings : 19850.290
Collar Elevations : 959.540
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	6.00	ARG	Black argillite.									
2.00	4.00		40% Limonitic intrusive.	022071	2.00	4.00	2.00	200.	529.	256.	2900.	0.7
				022072	4.00	6.00	2.00	53.	304.	25.	4500.	0.8
6.00	38.00	INT	Limonitic porphyritic intrusive with abundant rusty red and yellow quartz.	022073	6.00	8.00	2.00	80.	437.	21.	5200.	0.3
				022074	8.00	10.00	2.00	1030.	1345.	25.	13000.	0.6
				022075	10.00	12.00	2.00	910.	2636.	37.	10000.	0.5
				022076	12.00	14.00	2.00	230.	618.	25.	7300.	0.3
				022077	14.00	16.00	2.00	66.	204.	22.	6100.	0.2
				022078	16.00	18.00	2.00	77.	263.	26.	6800.	0.2
				022079	18.00	20.00	2.00	38.	201.	15.	4400.	0.2
				022080	20.00	22.00	2.00	20.	371.	26.	5400.	0.2
				022081	22.00	24.00	2.00	2240.	1182.	24.	5800.	0.6
24.00	30.00		50% Rusty orange and yellow quartz.	022082	24.00	26.00	2.00	2310.	1098.	40.	6100.	0.7
				022083	26.00	28.00	2.00	930.	1040.	25.	3400.	0.7
				022084	28.00	30.00	2.00	670.	1250.	31.	5800.	0.4
30.00	32.00		50% Rusty orange and yellow quartz; 10% black argillite.	022085	30.00	32.00	2.00	720.	858.	42.	1800.	0.6
				022086	32.00	34.00	2.00	320.	936.	29.	3400.	0.7
				022087	34.00	36.00	2.00	150.	715.	27.	8200.	0.5
36.00	38.00		30% Grey/white quartz feldspar porphyry.	022088	36.00	38.00	2.00	290.	1032.	31.	7600.	0.5
38.00	40.00	QFP	Grey/white, pyritic, quartz feldspar porphyry.	022089	38.00	40.00	2.00	310.	872.	21.	9300.	0.3
40.00	50.00	ARG	Black argillite.	022090	40.00	42.00	2.00	83.	312.	19.	6200.	0.7
				022091	42.00	44.00	2.00	60.	136.	26.	5200.	0.7
				022092	44.00	46.00	2.00	23.	111.	21.	3800.	0.7
				022093	46.00	48.00	2.00	17.	129.	17.	4500.	0.4
				022094	48.00	50.00	2.00	11.	94.	12.	6100.	0.4

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-301
Grid System : ORIGINAL
Collar Eastings : 21895.250
Collar Northings : 19850.290
Collar Elevations : 959.540
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sr %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2.5					3		3													
4.00	6.00	2.5					3		3													
6.00	8.00	2.5				3	3	3	3													
8.00	10.00	2.5				3	3	3	3													
10.00	12.00	2.5				2	3	5	3													
12.00	14.00	2.5				3	3	3	3													
14.00	16.00	2.5				3	3	3	2													
16.00	18.00	2				3	3	3	2													
18.00	20.00	2				3	3	3	2													
20.00	22.00	2				3	3	3	2													
22.00	24.00	2				1	3	3	2													
24.00	26.00	3					3	3	3.5													
26.00	28.00	3					3	3	3.5													
28.00	30.00	3					3	3	3.5													
30.00	32.00	3					3	3	3.5													
32.00	34.00	3					3	5	3													
34.00	36.00	3				1	3	3	3													
36.00	38.00	3				1	3	3	2	TR												
38.00	40.00	2				1	2	1	2	1												
40.00	42.00																					
42.00	44.00																					
44.00	46.00																					
46.00	48.00																					
48.00	50.00																					

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCEC 90-302
Grid System : ORIGINAL
Collar Eastings : 21898.470
Collar Northings : 19826.020
Collar Elevations : 951.570
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	8.00	INT	Limonitic porphyritic intrusive.	022095	2.00	4.00	2.00	160.	660.	152.	3900.	0.6
4.00	8.00		NOTE: NO RECOVERY.	022096	4.00	6.00	2.00					
				022097	6.00	8.00	2.00					
8.00	10.00	ARG	Black argillite with abundant grey clay and 30% limonitic intrusive.	022098	8.00	10.00	2.00	78.	455.	79.	7500.	0.3
10.00	44.00	INT	Limonitic porphyritic intrusive with abundant white clay altered feldspar phenocrysts.	022099	10.00	12.00	2.00	510.	1434.	27.	10000.	0.3
				022100	12.00	14.00	2.00	26.	180.	10.	4100.	0.2
				022101	14.00	16.00	2.00	20.	170.	12.	5400.	0.2
				022102	16.00	18.00	2.00	17.	110.	11.	5500.	0.2
				022103	18.00	20.00	2.00	28.	159.	11.	4600.	0.2
				022104	20.00	22.00	2.00	54.	194.	14.	4100.	0.2
				022105	22.00	24.00	2.00	19.	128.	8.	3400.	0.2
				022106	24.00	26.00	2.00	410.	739.	22.	4300.	0.3
				022107	26.00	28.00	2.00	83.	494.	12.	3100.	0.3
				022108	28.00	30.00	2.00	19.	319.	11.	1800.	0.1
				022109	30.00	32.00	2.00	41.	716.	22.	2300.	0.2
				022110	32.00	34.00	2.00	12.	862.	37.	3100.	0.2
				022111	34.00	36.00	2.00	10.	591.	21.	2200.	0.2
36.00	40.00		10% Black argillite.	022112	36.00	38.00	2.00	4.	549.	14.	1300.	0.1
				022113	38.00	40.00	2.00	19.	618.	29.	880.	0.4
40.00	44.00		20% White, pyritic, quartz feldspar porphyry.	022114	40.00	42.00	2.00	260.	894.	19.	1800.	0.5
				022115	42.00	44.00	2.00	46.	354.	17.	900.	0.3
44.00	50.00	F*INT	Grey, black biotite rich, quartz feldspar porphyry.									
44.00	46.00		20% White, pyritic, quartz feldspar porphyry.	022116	44.00	46.00	2.00	110.	265.	16.	620.	0.3
				022117	46.00	48.00	2.00	19.	56.	11.	110.	0.2
				022118	48.00	50.00	2.00	14.	86.	16.	160.	0.2
50.00	52.00	QFP	White, pyritic, quartz feldspar porphyry.	022119	50.00	52.00	2.00	160.	622.	14.	1100.	0.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-302
Grid System : ORIGINAL
Collar Eastings : 21898.470
Collar Northings : 19826.020
Collar Elevations : 951.570
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2				2	1	1.5														
4.00	6.00																					
6.00	8.00																					
8.00	10.00																					
10.00	12.00	1.5			1	2	3	1.5														
12.00	14.00	1.5			3	2	1	1.5														
14.00	16.00	1.5			3	2	1	1.5														
16.00	18.00	1.5			3	2	1	1.5														
18.00	20.00	1.5			3	2	1	1.5														
20.00	22.00	1.5			3	2	1	1.5														
22.00	24.00	1.5			3	2	1	1.5														
24.00	26.00	1.5			3	2	3	1.5														
26.00	28.00	2.5			2	2	3	2														
28.00	30.00	2.5			2	2	3	2														
30.00	32.00	2.5			1	2	3	2														
32.00	34.00	2.5				2	5	2														
34.00	36.00	2.5				2	5	2														
36.00	38.00	2.5				2	5	2														
38.00	40.00	2.5				2	5	2														
40.00	42.00	2.5				2	5	2		TR												
42.00	44.00	2.5				2	5	2		TR												
44.00	46.00	1			1	1				TR												
46.00	48.00	1			2	1																
48.00	50.00	1			2																	
50.00	52.00	2			2	2		1		1												

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-303
Grid System : ORIGINAL
Collar Eastings : 21894.670
Collar Northings : 19796.650
Collar Elevations : 941.240
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	8.00	INT	Limonitic porphyritic intrusive.	022120	2.00	4.00	2.00	170.	478.	62.	4600.	0.2
				022121	4.00	6.00	2.00	150.	529.	92.	3200.	0.2
				022122	6.00	8.00	2.00	210.	385.	50.	2700.	0.4
8.00	12.00	P*INT	Green/brown, black biotite rich, porphyritic intrusive.	022123	8.00	10.00	2.00	66.	182.	65.	2400.	0.2
				022124	10.00	12.00	2.00	71.	131.	82.	950.	0.2
12.00	14.00	INT	Limonitic, quartz rich, porphyritic intrusive with 10% black argillite.	022125	12.00	14.00	2.00	140.	612.	23.	1600.	0.4
14.00	20.00	ARG	Black argillite with minor grey shale.	022126	14.00	16.00	2.00	210.	334.	13.	1900.	0.7
				022127	16.00	18.00	2.00	27.	172.	7.	920.	0.2
				022128	18.00	20.00	2.00	14.	307.	18.	2400.	0.2
20.00	28.00	INT	Limonitic porphyritic intrusive.	022129	20.00	22.00	2.00	7.	616.	26.	5700.	0.2
				022130	22.00	24.00	2.00	8.	131.	8.	2900.	0.1
				022131	24.00	26.00	2.00	6.	208.	8.	3800.	0.1
				022132	26.00	28.00	2.00	5.	161.	9.	3600.	0.1
28.00	30.00	P*INT	Limonitic, black biotite rich, porphyritic intrusive.	022133	28.00	30.00	2.00	31.	206.	9.	3700.	0.2
30.00	46.00	INT	Limonitic porphyritic intrusive.	022134	30.00	32.00	2.00	13.	310.	11.	2900.	0.1
				022135	32.00	34.00	2.00	10.	279.	11.	2700.	0.1
				022136	34.00	36.00	2.00	14.	582.	20.	2500.	0.1
				022137	36.00	38.00	2.00	19.	353.	15.	1800.	0.1
				022138	38.00	40.00	2.00	16.	606.	21.	2300.	0.1
40.00	42.00		10% Black argillite, 20% grey, quartz feldspar porphyry with pyrite.	022139	40.00	42.00	2.00	130.	528.	20.	2100.	0.3
42.00	44.00		30% Grey quartz feldspar porphyry.	022140	42.00	44.00	2.00	10.	193.	16.	1100.	0.1
44.00	46.00		30% Grey quartz feldspar porphyry with 5% black argillite.	022141	44.00	46.00	2.00	34.	235.	26.	1200.	0.3
46.00	48.00	ARG	Black argillite with 20% white/grey	022142	46.00	48.00	2.00	120.	326.	27.	1100.	1.6

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-303

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			quartz feldspar porphyry.									
48.00	50.00	F*INT	Green/grey, black biotite and white sericite rich, quartz feldspar porphyry.	022143	48.00	50.00	2.00	15.	76.	12.	610.	0.2

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-303
Grid System : ORIGINAL
Collar Eastings : 21894.670
Collar Northings : 19796.650
Collar Elevations : 941.240
Collar Bearing : 999.99
Grid Baseline : 66.00

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

FROM	TO	Arg	Sil	Serc	GEOCHEMICAL SAMPLES Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00	2				2.5	1	1.5		
4.00	6.00	2				2.5	1	1.5		
6.00	8.00	2				2.5	1	1.5		
8.00	10.00	1				1	1			
10.00	12.00	1				1	1			
12.00	14.00	1.5				2	1	1.5		
14.00	16.00									
16.00	18.00									
18.00	20.00									
20.00	22.00	3			1	3	5	2		
22.00	24.00	3			3	3	3	2		
24.00	26.00	3			3	3	3	2		
26.00	28.00	3			3	3	3	2		
28.00	30.00	1			2		5	1		
30.00	32.00	2			2	2	5	2		
32.00	34.00	2			2	2	5	2		
34.00	36.00	2			2	2	5	2		
36.00	38.00	2			2	2	5	2		
38.00	40.00	2			2	2	3	2		
40.00	42.00	2			2	2	3	2		
42.00	44.00	2			2	2	1	2		
44.00	46.00	2			2	2	1	2		
46.00	48.00									
48.00	50.00	1			1	1.5		1		

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-304
Grid System : ORIGINAL
Collar Eastings : 21894.390
Collar Northings : 19769.960
Collar Elevations : 936.930
Collar Bearing : 999.99
Grid Baseline : 66.00

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	4.00	INT	Limonitic porphyritic intrusive.	022144	2.00	4.00	2.00	140.	417.	93.	2600.	0.2
4.00	10.00	F*INT	Green/brown, black biotite rich, porphyritic intrusive.	022145	4.00	6.00	2.00	26.	99.	30.	290.	0.2
				022146	6.00	8.00	2.00	32.	70.	22.	90.	0.2
				022147	8.00	10.00	2.00	20.	39.	14.	60.	0.2
10.00	14.00	INT	Limonitic porphyritic intrusive with abundant rusty red quartz.	022148	10.00	12.00	2.00	1060.	939.	91.	2800.	0.4
				022149	12.00	14.00	2.00	380.	425.	58.	860.	0.2
14.00	20.00	SEDS	Soft, grey mudstone and black, cherty argillite.	022150	14.00	16.00	2.00	18.	37.	9.	100.	0.3
				022151	16.00	18.00	2.00	6.	26.	5.	70.	0.2
				022152	18.00	20.00	2.00	20.	58.	7.	80.	0.2
20.00	24.00	INT	Limonitic porphyritic intrusive.									
20.00	22.00		5% Black argillite.	022153	20.00	22.00	2.00	16.	49.	6.	230.	0.4
22.00	24.00		40% Black argillite.	022154	22.00	24.00	2.00	21.	70.	5.	170.	0.5
24.00	32.00	ARG	Black argillite with minor soft grey mudstone.	022155	24.00	26.00	2.00	33.	84.	9.	520.	0.2
				022156	26.00	28.00	2.00	6.	62.	6.	630.	0.5
				022157	28.00	30.00	2.00	3.	35.	4.	390.	0.2
				022158	30.00	32.00	2.00	1.	58.	11.	520.	0.4
32.00	44.00	INT	Limonitic porphyritic intrusive.	022159	32.00	34.00	2.00	49.	408.	19.	660.	0.4
				022160	34.00	36.00	2.00	3.	292.	19.	3800.	0.3
				022161	36.00	38.00	2.00	18.	349.	21.	3500.	0.2
38.00	44.00		5% White quartz feldspar porphyry.	022162	38.00	40.00	2.00	680.	817.	23.	3400.	0.1
				022163	40.00	42.00	2.00	260.	369.	12.	3500.	0.2
				022164	42.00	44.00	2.00	69.	264.	9.	2000.	0.1
44.00	52.00	QFP	Brown/white, pyritic, quartz feldspar porphyry.	022165	44.00	46.00	2.00	87.	231.	9.	1500.	0.2
				022166	46.00	48.00	2.00	95.	172.	9.	1300.	0.1
48.00	52.00		5% Black argillite.	022167	48.00	50.00	2.00	80.	403.	16.	1200.	0.2
				022168	50.00	52.00	2.00	32.	242.	14.	3700.	0.3

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-304
Grid System : ORIGINAL
Collar Eastings : 21894.390
Collar Northings : 19769.960
Collar Elevations : 936.930
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2					2															
4.00	6.00	1																				
6.00	8.00	1																				
8.00	10.00	1																				
10.00	12.00	2					3															
12.00	14.00	2					3															
14.00	16.00																					
16.00	18.00																					
18.00	20.00																					
20.00	22.00	2				2	2.5															
22.00	24.00	2				2	2.5															
24.00	26.00																					
26.00	28.00																					
28.00	30.00																					
30.00	32.00																					
32.00	34.00	2.5					3															
34.00	36.00	2.5					3															
36.00	38.00	2.5					3															
38.00	40.00	2.5					3															
40.00	42.00	2.5				2	3															
42.00	44.00	2.5				2	3															
44.00	46.00	2				2	3															
46.00	48.00	2				2	3															
48.00	50.00	2				2	3															
50.00	52.00	2				2	3															

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-305
Grid System : ORIGINAL
Collar Eastings : 21894.410
Collar Northings : 19742.780
Collar Elevations : 930.090
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 70.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	12.00	INT	Limonitic porphyritic intrusive.	022169	2.00	4.00	2.00	51.	352.	301.	3900.	0.1
				022170	4.00	6.00	2.00	150.	370.	291.	3800.	0.4
6.00	12.00		Abundant red quartz.	022171	6.00	8.00	2.00	1320.	1948.	205.	6800.	0.8
				022172	8.00	10.00	2.00	1070.	1524.	173.	6300.	0.6
				022173	10.00	12.00	2.00	600.	960.	158.	4600.	0.4
12.00	28.00	SEDS	Soft, grey mudstone with rusty black shale and black argillite.	022174	12.00	14.00	2.00	130.	300.	50.	1600.	0.2
				022175	14.00	16.00	2.00	27.	77.	13.	260.	0.3
				022176	16.00	18.00	2.00	1.	62.	10.	210.	0.3
				022177	18.00	20.00	2.00	1.	55.	9.	160.	0.3
				022178	20.00	22.00	2.00	38.	31.	5.	80.	0.1
				022179	22.00	24.00	2.00	1.	25.	5.	110.	0.1
				022180	24.00	26.00	2.00	11.	63.	7.	160.	0.4
				022181	26.00	28.00	2.00	1.	60.	6.	280.	0.3
28.00	38.00	ARG	Black argillite.	022182	28.00	30.00	2.00	4.	48.	6.	240.	0.6
				022183	30.00	32.00	2.00	3.	34.	6.	330.	0.1
				022184	32.00	34.00	2.00	1.	42.	12.	800.	0.1
				022185	34.00	36.00	2.00	1.	46.	13.	850.	0.2
				022186	36.00	38.00	2.00	1.	61.	10.	1600.	0.4
38.00	68.00	QFP	Grey/white, pyritic, quartz feldspar porphyry.									
38.00	42.00		30% Black argillite.	022187	38.00	40.00	2.00	6.	290.	12.	9200.	0.2
				022188	40.00	42.00	2.00	1.	394.	21.	6700.	0.2
42.00	60.00		20% Limonitic intrusive.	022189	42.00	44.00	2.00	160.	1293.	24.	6400.	0.2
				022190	44.00	46.00	2.00	300.	1467.	25.	4600.	0.1
				022191	46.00	48.00	2.00	250.	684.	17.	6300.	0.1
				022192	48.00	50.00	2.00	370.	1049.	15.	3200.	0.1
				022193	50.00	52.00	2.00	110.	555.	13.	5100.	0.1
				022194	52.00	54.00	2.00	45.	229.	12.	3100.	0.1
				022195	54.00	56.00	2.00	55.	190.	10.	3600.	0.1
				022196	56.00	58.00	2.00	340.	578.	16.	4500.	0.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-305

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				022197	58.00	60.00	2.00	56.	182.	10.	2300.	0.1
				022198	60.00	62.00	2.00	9.	137.	8.	1900.	0.1
				022199	62.00	64.00	2.00	2.	72.	7.	1500.	0.1
				022200	64.00	66.00	2.00	5.	96.	8.	1100.	0.1
				022201	66.00	68.00	2.00	72.	127.	7.	780.	0.1
68.00	70.00	ARG	Black argillite with 20% quartz feldspar porphyry.	022202	68.00	70.00	2.00	22.	84.	18.	920.	0.4

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-305
Grid System : ORIGINAL
Collar Eastings : 21894.410
Collar Northings : 19742.780
Collar Elevations : 930.090
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 70.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : BC

GEOCHEMICAL SAMPLES												GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %		FROM	TO	Reco-very %	Lim %	Break-age	Sz	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
2.00	4.00	2					2	3	1															
4.00	6.00	2					2	3	1															
6.00	8.00	2					2	3	3															
8.00	10.00	2					2	3	2															
10.00	12.00	2					2	3	2															
12.00	14.00																							
14.00	16.00																							
16.00	18.00																							
18.00	20.00																							
20.00	22.00																							
22.00	24.00																							
24.00	26.00																							
26.00	28.00																							
28.00	30.00																							
30.00	32.00																							
32.00	34.00																							
34.00	36.00																							
36.00	38.00																							
38.00	40.00	2					3		2	1														
40.00	42.00	2					3		2	1														
42.00	44.00	2					3	1	2	1														
44.00	46.00	2			2		3	1	2	1														
46.00	48.00	2			2		3	1	2	1														
48.00	50.00	2			2		3	1	2	1														
50.00	52.00	2			2		3	1	2	1														
52.00	54.00	2			2		3	1	2	1														
54.00	56.00	2			2		3	1	2	1														
56.00	58.00	2			2		3	1	2	1														
58.00	60.00	2			2		3	1	2	1														
60.00	62.00	2			3		3		2	1														
62.00	64.00	2			3		3		2	1														
64.00	66.00	2			3		3		2	1														
66.00	68.00	2			3		3		2	1														

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-305

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
68.00	70.00	2				3		2	TR													

Hole No: BCRC 90-305

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-306
Grid System : ORIGINAL
Collar Eastings : 21895.570
Collar Northings : 19717.370
Collar Elevations : 920.590
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 62.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	4.00	INT	Limonitic porphyritic intrusive.	022203	2.00	4.00	2.00	350.	802.	204.	3700.	0.5
4.00	26.00	SEDS	Soft grey mudstone, black argillite,	022204	4.00	6.00	2.00	74.	195.	54.	850.	0.5
			rusty black shale and dark brown shale.	022205	6.00	8.00	2.00	16.	42.	16.	210.	0.5
				022206	8.00	10.00	2.00	6.	44.	15.	160.	0.2
				022207	10.00	12.00	2.00	2.	36.	9.	90.	0.2
				022208	12.00	14.00	2.00	7.	30.	10.	60.	1.0
				022209	14.00	16.00	2.00	4.	26.	5.	50.	0.2
				022210	16.00	18.00	2.00	4.	21.	6.	60.	0.3
				022211	18.00	20.00	2.00	7.	25.	8.	30.	0.3
				022212	20.00	22.00	2.00	6.	38.	7.	150.	0.2
				022213	22.00	24.00	2.00	4.	128.	12.	220.	1.3
				022214	24.00	26.00	2.00	6.	133.	15.	270.	0.8
26.00	36.00	ARG	Black cherty argillite.	022215	26.00	28.00	2.00	1.	140.	21.	300.	0.8
				022216	28.00	30.00	2.00	1.	76.	16.	660.	0.3
				022217	30.00	32.00	2.00	3.	78.	12.	560.	0.8
				022218	32.00	34.00	2.00	2.	513.	13.	1800.	0.3
				022219	34.00	36.00	2.00	1.	52.	11.	1100.	0.3
36.00	38.00	QFP	Grey, pyritic, quartz feldspar porphyry.	022220	36.00	38.00	2.00	550.	1928.	26.	3200.	0.3
38.00	44.00	ARG	Black argillite.									
38.00	40.00		5% Grey quartz feldspar porphyry.	022221	38.00	40.00	2.00	210.	421.	9.	1700.	0.1
				022222	40.00	42.00	2.00	79.	245.	10.	1300.	0.4
				022223	42.00	44.00	2.00	31.	202.	14.	1500.	0.4
44.00	58.00	QFP	Brown/white to grey/white, pyritic, quartz feldspar porphyry.									
44.00	58.00		5-10% Black argillite.	022224	44.00	46.00	2.00	80.	621.	12.	2300.	0.2
				022225	46.00	48.00	2.00	39.	277.	10.	4100.	0.1
				022226	48.00	50.00	2.00	24.	190.	8.	2600.	0.1
				022227	50.00	52.00	2.00	15.	169.	10.	3600.	0.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-306

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				022228	52.00	54.00	2.00	4.	129.	15.	3500.	0.1
				022229	54.00	56.00	2.00	5.	131.	9.	1900.	0.1
				022230	56.00	58.00	2.00	5.	87.	12.	1200.	0.1
58.00	62.00	F*INT	Blue/grey to green, black biotite rich, porphyritic intrusive.	022231	58.00	60.00	2.00	9.	61.	7.	380.	0.1
				022232	60.00	62.00	2.00	11.	81.	7.	500.	0.2

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-306
Grid System : ORIGINAL
Collar Eastings : 21895.570
Collar Northings : 19717.370
Collar Elevations : 920.590
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 62.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sr %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2				2	3	2														
4.00	6.00																					
6.00	8.00																					
8.00	10.00																					
10.00	12.00																					
12.00	14.00																					
14.00	16.00																					
16.00	18.00																					
18.00	20.00																					
20.00	22.00																					
22.00	24.00																					
24.00	26.00																					
26.00	28.00																					
28.00	30.00																					
30.00	32.00																					
32.00	34.00																					
34.00	36.00																					
36.00	38.00	2			2	2		1	1													
38.00	40.00								TR													
40.00	42.00								TR													
42.00	44.00								TR													
44.00	46.00	1.5			1	2		1	1													
46.00	48.00	1.5			2	2	1	1	1													
48.00	50.00	1.5			2	2	1	1	1													
50.00	52.00	1.5			2	2	1	1	1													
52.00	54.00	1.5			2	2	1	1	1													
54.00	56.00	1.5			2	2	1	1	1													
56.00	58.00	1.5			2	1	1	1	1													
58.00	60.00				3																	
60.00	62.00				3																	

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-307
Grid System : ORIGINAL
Collar Eastings : 21898.470
Collar Northings : 19688.610
Collar Elevations : 908.610
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	26.00	SEDS	Soft grey and green/brown mudstone, black argillite and brown shale.	022233	2.00	4.00	2.00	3.	74.	17.	380.	0.6
				022234	4.00	6.00	2.00	9.	31.	6.	410.	0.4
				022235	6.00	8.00	2.00	3.	32.	9.	260.	0.6
				022236	8.00	10.00	2.00	6.	29.	8.	330.	1.4
				022237	10.00	12.00	2.00	23.	64.	11.	260.	0.8
				022238	12.00	14.00	2.00	1.	56.	11.	290.	0.3
				022239	14.00	16.00	2.00	2.	187.	14.	300.	0.6
				022240	16.00	18.00	2.00	2.	72.	12.	310.	0.5
				022241	18.00	20.00	2.00	2.	82.	9.	300.	0.5
				022242	20.00	22.00	2.00	3.	86.	12.	370.	0.4
				022243	22.00	24.00	2.00	3.	135.	10.	550.	0.3
				022244	24.00	26.00	2.00	5.	151.	13.	880.	0.7
26.00	34.00	ARG	Black argillite.	022245	26.00	28.00	2.00	1.	72.	9.	1500.	0.4
				022246	28.00	30.00	2.00	2.	140.	15.	860.	0.6
				022247	30.00	32.00	2.00	1.	137.	16.	800.	0.8
32.00	34.00		30% White, pyritic quartz feldspar porphyry with 5% grey chert.	022248	32.00	34.00	2.00	48.	455.	16.	1500.	0.9
34.00	46.00	QFP	White, pyritic, quartz feldspar porphyry.									
34.00	36.00		20% Grey cherty.	022249	34.00	36.00	2.00	130.	592.	19.	1400.	0.8
				022250	36.00	38.00	2.00	51.	203.	18.	8100.	0.6
				022251	38.00	40.00	2.00	210.	659.	13.	3300.	0.7
				022252	40.00	42.00	2.00	14.	121.	7.	1800.	0.5
				022253	42.00	44.00	2.00	1.	111.	5.	2600.	0.3
				022254	44.00	46.00	2.00	15.	39.	4.	620.	0.5
46.00	52.00	F*INT	Grey, black biotite rich, porphyritic intrusive.	022255	46.00	48.00	2.00	7.	24.	5.	130.	0.3
48.00	52.00		20% Black argillite.	022256	48.00	50.00	2.00	3.	83.	5.	150.	0.1
				022257	50.00	52.00	2.00	3.	68.	7.	260.	0.6

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-307
Grid System : ORIGINAL
Collar Eastings : 21898.470
Collar Northings : 19688.610
Collar Elevations : 908.610
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Break-age	Sz	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00																					
4.00	6.00																					
6.00	8.00																					
8.00	10.00																					
10.00	12.00																					
12.00	14.00																					
14.00	16.00																					
16.00	18.00																					
18.00	20.00																					
20.00	22.00																					
22.00	24.00																					
24.00	26.00																					
26.00	28.00									TR												
28.00	30.00																					
30.00	32.00																					
32.00	34.00																					
34.00	36.00	1.5			2	2		1		1												
36.00	38.00	1.5			2	2		1		1												
38.00	40.00	1.5			2	2		1		1												
40.00	42.00	1.5			2	2		1		1												
42.00	44.00	1.5			2	2		1		1												
44.00	46.00	1.5			2	2		1		TR												
46.00	48.00				2																	
48.00	50.00				2																	
50.00	52.00				2																	

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-308
Grid System : ORIGINAL
Collar Eastings : 22746.360
Collar Northings : 19830.900
Collar Elevations : 886.270
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 66.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	18.00	SEDS	Soft grey mudstone, black argillite, light green shale and rusty brown shale.	022258	2.00	4.00	2.00	41.	73.	32.	570.	0.9
				022259	4.00	6.00	2.00	8.	45.	20.	270.	1.6
				022260	6.00	8.00	2.00	7.	27.	8.	100.	0.5
				022261	8.00	10.00	2.00	5.	31.	7.	60.	0.4
				022262	10.00	12.00	2.00	4.	55.	8.	120.	1.1
				022263	12.00	14.00	2.00	2.	31.	7.	200.	0.6
				022264	14.00	16.00	2.00	6.	40.	8.	330.	0.5
				022265	16.00	18.00	2.00	35.	223.	27.	1600.	0.5
18.00	22.00	QFP	Yellow/grey, pyritic, quartz feldspar porphyry.	022266	18.00	20.00	2.00	62.	338.	18.	1100.	0.3
20.00	22.00		40% Black argillite.	022267	20.00	22.00	2.00	34.	325.	18.	1400.	0.5
22.00	24.00	ARG	Black argillite with abundant black clay and 10% quartz feldspar porphyry.	022268	22.00	24.00	2.00	46.	537.	44.	1500.	0.6
24.00	56.00	QFP	Grey/white to brown/white, pyritic, quartz feldspar porphyry.									
24.00	26.00		Trace amounts of stibnite.	022269	24.00	26.00	2.00	120.	553.	431.	4400.	0.7
				022270	26.00	28.00	2.00	1240.	2046.	365.	4200.	2.2
				022271	28.00	30.00	2.00	3420.	2793.	804.	3600.	7.8
				022272	30.00	32.00	2.00	330.	948.	300.	4300.	2.5
				022273	32.00	34.00	2.00	360.	871.	80.	4500.	0.6
				022274	34.00	36.00	2.00	620.	723.	118.	3300.	1.0
				022275	36.00	38.00	2.00	3440.	2213.	669.	4100.	3.5
				022276	38.00	40.00	2.00	280.	381.	108.	3700.	0.3
				022277	40.00	42.00	2.00	1530.	1678.	68.	8300.	0.4
				022278	42.00	44.00	2.00	1200.	2101.	189.	9200.	0.5
				022279	44.00	46.00	2.00	310.	735.	59.	6400.	0.4
				022280	46.00	48.00	2.00	680.	715.	854.	4100.	0.5
				022281	48.00	50.00	2.00	3620.	2017.	15565.	8000.	10.7
				022282	50.00	52.00	2.00	290.	754.	258.	8300.	0.6
				022283	52.00	54.00	2.00	1030.	745.	85.	3200.	0.4

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-308

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				022284	54.00	56.00	2.00	28.	101.	62.	1500.	0.3
				022285	56.00	58.00	2.00	12.	378.	219.	1400.	0.3
				022286	58.00	60.00	2.00	2.	110.	33.	760.	0.2
				022287	60.00	62.00	2.00	4.	72.	20.	250.	0.1
				022288	62.00	64.00	2.00	3.	51.	16.	260.	0.2
				022289	64.00	66.00	2.00	7.	53.	18.	160.	0.2

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-308
Grid System : ORIGINAL
Collar Eastings : 22746.360
Collar Northings : 19830.900
Collar Elevations : 886.270
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 66.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

FROM	TO	Arg	Sil	Serc	GEOCHEMICAL SAMPLES Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00									
4.00	6.00									
6.00	8.00									
8.00	10.00									
10.00	12.00									
12.00	14.00									
14.00	16.00									
16.00	18.00									
18.00	20.00	1.5			2	2		2		
20.00	22.00	1.5			1	2		2		
22.00	24.00				1					
24.00	26.00	2			2	3		2	1	
26.00	28.00	2			2	3		2	1	
28.00	30.00	2			2	3		2	1	
30.00	32.00	2			2	3	TR	2	1	
32.00	34.00	2			2	3		2	1	
34.00	36.00	2			2	3	TR	2	1	
36.00	38.00	2			2	3	TR	2	1	
38.00	40.00	2			2	3	TR	2	1	
40.00	42.00	2			2	3	TR	2	1	
42.00	44.00	2			2	3		2	1	
44.00	46.00	2			2	3		2	1	
46.00	48.00	2			2	3		2	1	
48.00	50.00	2			2	3		2	1	
50.00	52.00	2			2	3		2	1	
52.00	54.00	2			2	3		2	1	
54.00	56.00	2			2	3		2	1	
56.00	58.00				2					TR
58.00	60.00				1					TR
60.00	62.00				1					TR
62.00	64.00				1					TR

FROM	TO	Reco-very %	Lim %	Break-age	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

GEOTECHNICAL SAMPLES

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-308

GEOCHEMICAL SAMPLES

FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
64.00	66.00				1				TR	

GEOTECHNICAL SAMPLES

FROM	TO	Recovery %	Lim %	Breakage	Sz	Veins	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-309
Grid System : ORIGINAL
Collar Eastings : 22749.430
Collar Northings : 19809.050
Collar Elevations : 880.810
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 70.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	14.00	INT	Limonitic porphyritic intrusive.	022290	2.00	4.00	2.00	290.	493.	36.	1300.	0.3
				022291	4.00	6.00	2.00	12.	124.	39.	540.	0.1
				022292	6.00	8.00	2.00	6.	114.	41.	1200.	0.1
				022293	8.00	10.00	2.00	8.	81.	37.	1800.	0.1
				022294	10.00	12.00	2.00	260.	638.	27.	2500.	0.3
				022295	12.00	14.00	2.00	1820.	3057.	29.	1800.	0.5
14.00	16.00	ARG	Black argillite with 20% limonitic intrusive.	022296	14.00	16.00	2.00	510.	1022.	23.	2100.	0.7
16.00	20.00	INT	Limonitic porphyritic intrusive.	022297	16.00	18.00	2.00	12.	88.	15.	1300.	0.2
18.00	20.00		30% Black argillite.	022298	18.00	20.00	2.00	13.	77.	11.	1050.	0.5
20.00	22.00	ARG	Black argillite.	022299	20.00	22.00	2.00	54.	282.	13.	950.	0.3
22.00	24.00	INT	Limonitic porphyritic intrusive.	022300	22.00	24.00	2.00	13.	58.	9.	1600.	0.3
24.00	28.00	QPP	White, quartz feldspar porphyry.	022301	24.00	26.00	2.00	9.	123.	10.	1200.	0.5
26.00	28.00		30% Black argillite.	022302	26.00	28.00	2.00	5.	49.	10.	330.	1.7
28.00	32.00	ARG	Black graphitic argillite.	022303	28.00	30.00	2.00	2.	68.	9.	1400.	0.5
				022304	30.00	32.00	2.00	1.	57.	20.	580.	1.2
32.00	60.00	QPP	White/grey, pyritic, quartz feldspar porphyry.	022305	32.00	34.00	2.00	2.	78.	7t.	1500.	0.6
34.00	38.00		30% Black argillite.	022306	34.00	36.00	2.00	1780.	1929.	8814.	3800.	2.2
				022307	36.00	38.00	2.00	280.	510.	1533.	3700.	0.8
				022308	38.00	40.00	2.00	570.	933.	743.	4500.	0.7
				022309	40.00	42.00	2.00	2010.	2347.	516.	5700.	1.1
				022310	42.00	44.00	2.00	1070.	1352.	175.	4400.	0.4
44.00	58.00		60-80% White/brown quartz feldspar porphyry that lacks pyrite.	022311	44.00	46.00	2.00	840.	940.	187.	7300.	2.8
				022312	46.00	48.00	2.00	540.	888.	639.	7400.	0.5
				022313	48.00	50.00	2.00	1280.	1136.	454.	6500.	0.5

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-309

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				022314	50.00	52.00	2.00	570.	525.	2648.	4600.	1.6
				022315	52.00	54.00	2.00	450.	519.	672.	8300.	0.4
				022316	54.00	56.00	2.00	92.	228.	312.	7500.	0.7
				022317	56.00	58.00	2.00	73.	528.	164.	4000.	0.4
58.00	60.00		70% Grey pyritic quartz feldspar porphyry, 10% brown quartz feldspar porphyry and 20% black argillite.	022318	58.00	60.00	2.00	950.	995.	1493.	3800.	3.3
60.00	70.00	ARG	Black argillite with minor disseminated pyrite.	022319	60.00	62.00	2.00	13.	87.	33.	890.	0.4
				022320	62.00	64.00	2.00	110.	567.	73.	1600.	0.6
				022321	64.00	66.00	2.00	10.	74.	26.	780.	0.2
				022322	66.00	68.00	2.00	10.	59.	25.	460.	0.4
				022323	68.00	70.00	2.00	7.	53.	11.	300.	0.2

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-309
Grid System : ORIGINAL
Collar Eastings : 22749.430
Collar Northings : 19809.050
Collar Elevations : 880.810
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 70.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sy %	Veins %	Bdg	Struc	Color	Sulph %	QuartzCirCode %
2.00	4.00	2					2	5	1													
4.00	6.00	2					2	5	1													
6.00	8.00	2					2	5	1													
8.00	10.00	2					2	5	1													
10.00	12.00	2					2	5	1													
12.00	14.00	2					2	5	3													
14.00	16.00																					
16.00	18.00	3				2	2	3	3													
18.00	20.00	3				2	2	3	3													
20.00	22.00																					
22.00	24.00	2				3	3	1	2													
24.00	26.00	2				1	2		2													
26.00	28.00	2					2		2													
28.00	30.00																					
30.00	32.00																					
32.00	34.00	2					3		2	1												
34.00	36.00	2					3		2	1												
36.00	38.00	2					3		2	1												
38.00	40.00	2					3		2	1												
40.00	42.00	2					3		2	1												
42.00	44.00	2				2	2		2	1												
44.00	46.00	2				2	2	TR	2	TR												
46.00	48.00	2				2	2	TR	2	TR												
48.00	50.00	2				2	2	TR	2	TR												
50.00	52.00	2				2	2	TR	2	TR												
52.00	54.00	2				2	2	TR	2	TR												
54.00	56.00	2				2	2	TR	2	TR												
56.00	58.00	2				2	2	TR	2	TR												
58.00	60.00	2				1	3		2	TR												
60.00	62.00																					
62.00	64.00									TR												

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-309

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Sere	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
64.00	66.00								TR													
66.00	68.00								TR													
68.00	70.00								TR													

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-310
Grid System : ORIGINAL
Collar Eastings : 22692.010
Collar Northings : 19857.390
Collar Elevations : 891.340
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	14.00	ARG	Black argillite.	022324	2.00	4.00	2.00	61.	85.	14.	1300.	0.7
				022325	4.00	6.00	2.00	18.	85.	16.	2600.	3.4
				022326	6.00	8.00	2.00	8.	58.	14.	1100.	4.4
				022327	8.00	10.00	2.00	9.	19.	11.	1200.	4.4
				022328	10.00	12.00	2.00	8.	35.	27.	1100.	6.5
				022329	12.00	14.00	2.00	9.	47.	25.	1800.	7.1
14.00	36.00	SEDS	Rusty brown/black shale, grey siltstone and light green shale.	022330	14.00	16.00	2.00	6.	76.	14.	280.	1.1
				022331	16.00	18.00	2.00	5.	41.	6.	140.	0.6
				022332	18.00	20.00	2.00	4.	26.	3.	100.	0.7
				022333	20.00	22.00	2.00	4.	21.	2.	80.	0.4
				022334	22.00	24.00	2.00	5.	21.	4.	210.	0.7
				022335	24.00	26.00	2.00	8.	21.	5.	240.	0.6
				022336	26.00	28.00	2.00	9.	20.	5.	100.	0.5
				022337	28.00	30.00	2.00	1.	14.	5.	80.	0.4
30.00	32.00		NOTE: NO RECOVERY.	022339	32.00	34.00	2.00	5.	32.	5.	40.	0.1
				022340	34.00	36.00	2.00	6.	63.	14.	180.	0.1
36.00	40.00	ARG	Black argillite.	022341	36.00	38.00	2.00	12.	42.	9.	1200.	0.8
				022342	38.00	40.00	2.00	9.	73.	16.	6300.	2.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-310
Grid System : ORIGINAL
Collar Eastings : 22692.010
Collar Northings : 19857.390
Collar Elevations : 891.340
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 40.00
Claim No. :

Logged by : GREG GILLSTROM
Date :
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : BQ

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00																					
4.00	6.00																					
6.00	8.00																					
8.00	10.00																					
10.00	12.00																					
12.00	14.00																					
14.00	16.00																					
16.00	18.00				1																	
18.00	20.00				1																	
20.00	22.00				1																	
22.00	24.00				1																	
24.00	26.00				1																	
26.00	28.00				1																	
28.00	30.00				1																	
30.00	32.00																					
32.00	34.00																					
34.00	36.00																					
36.00	38.00																					
38.00	40.00																					

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-311
Grid System : ORIGINAL
Collar Eastings : 22693.350
Collar Northings : 19834.360
Collar Elevations : 885.340
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 72.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	4.00	ARG	Black argillite with abundant black clay.	022343	2.00	4.00	2.00	150.	204.	99.	360.	0.8
4.00	6.00	INT	Limonitic intrusive with abundant red quartz.	022344	4.00	6.00	2.00	1580.	1000.	946.	2000.	1.3
6.00	10.00	ARG	Black argillite.	022345	6.00	8.00	2.00	49.	134.	388.	2200.	0.5
				022346	8.00	10.00	2.00	1070.	481.	1297.	1600.	1.6
10.00	32.00	INT	Limonitic, porphyritic intrusive with abundant rusty red and yellow quartz.	022347	10.00	12.00	2.00	240.	293.	631.	2800.	0.9
				022348	12.00	14.00	2.00	98.	281.	1282.	3400.	0.5
				022349	14.00	16.00	2.00	170.	226.	334.	2600.	0.2
				022350	16.00	18.00	2.00	880.	671.	126.	3400.	0.2
				022351	18.00	20.00	2.00	540.	583.	64.	4000.	0.5
				022352	20.00	22.00	2.00	63.	156.	47.	5400.	0.3
				022353	22.00	24.00	2.00	18.	124.	37.	4100.	0.2
				022354	24.00	26.00	2.00	360.	540.	2216.	3700.	0.8
				022355	26.00	28.00	2.00	100.	259.	324.	3300.	0.4
				022356	28.00	30.00	2.00	850.	974.	14591.	3400.	1.4
				022357	30.00	32.00	2.00	2630.	2816.	4726.	7800.	1.2
32.00	40.00	QFP	Grey/white, pyritic, quartz feldspar porphyry with abundant rusty red and yellow quartz.	022358	32.00	34.00	2.00	480.	623.	1168.	3900.	0.6
				022359	34.00	36.00	2.00	90.	256.	472.	3200.	0.8
				022360	36.00	38.00	2.00	140.	726.	178.	4800.	0.8
				022361	38.00	40.00	2.00	47.	564.	99.	4500.	0.7
40.00	72.00	ARG	Black argillite.	022362	40.00	42.00	2.00	250.	715.	281.	3100.	1.0
				022363	42.00	44.00	2.00	1280.	1545.	657.	3300.	0.9
				022364	44.00	46.00	2.00	28.	102.	26.	1300.	0.3
				022365	46.00	48.00	2.00	430.	935.	21.	2100.	0.4
				022366	48.00	50.00	2.00	15.	136.	25.	580.	0.5
				022367	50.00	52.00	2.00	7.	87.	17.	500.	0.5
				022368	52.00	54.00	2.00	87.	258.	74.	920.	0.6

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 96-311

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				022369	54.00	56.00	2.00	6.	43.	18.	230.	0.5
				022370	56.00	58.00	2.00	5.	28.	14.	190.	0.4
				022371	58.00	60.00	2.00	18.	71.	25.	220.	0.7
				022372	60.00	62.00	2.00	4.	35.	15.	160.	0.6
				022373	62.00	64.00	2.00	7.	51.	15.	120.	0.5
				022374	64.00	66.00	2.00	9.	72.	12.	140.	0.4
				022375	66.00	68.00	2.00	1.	45.	12.	150.	0.6
				022376	68.00	70.00	2.00	2.	49.	13.	110.	0.5
				022377	70.00	72.00	2.00	2.	46.	11.	120.	0.6

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-311
Grid System : ORIGINAL
Collar Eastings : 22693.350
Collar Northings : 19834.360
Collar Elevations : 885.340
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 72.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00																					
4.00	6.00	3				3	5	2														
6.00	8.00																					
8.00	10.00																					
10.00	12.00	3			1	3	3	2	TR													
12.00	14.00	3			2	3	3	2	TR													
14.00	16.00	3			2	3	3	2	TR													
16.00	18.00	3			2	3	3	2	TR													
18.00	20.00	3			2	3	3	2	TR													
20.00	22.00	3			2	3	3	2	TR													
22.00	24.00	3			2	3	3	2	TR													
24.00	26.00	3			2	3	3	3	TR													
26.00	28.00	3			2	3	1	3	TR													
28.00	30.00	3			2	3	1	3	TR													
30.00	32.00	3			2	3	1	3	TR													
32.00	34.00	3			2	3	TR	3	1													
34.00	36.00	3			2	3	TR	2	1													
36.00	38.00	3			2	3	TR	2	1													
38.00	40.00	3			2	3	TR	2	1													
40.00	42.00								TR													
42.00	44.00								TR													
44.00	46.00								TR													
46.00	48.00								TR													
48.00	50.00								TR													
50.00	52.00								TR													
52.00	54.00								TR													
54.00	56.00								TR													
56.00	58.00								TR													
58.00	60.00								TR													
60.00	62.00								TR													
62.00	64.00								TR													
64.00	66.00								TR													
66.00	68.00								TR													

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-311

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sa %	Veins %	Bed	Struc	Color	Sulph %	QuartzClrCode %
68.00	70.00								TR													
70.00	72.00								TR													

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-312
Grid System : ORIGINAL
Collar Eastings : 22699.510
Collar Northings : 19786.630
Collar Elevations : 873.350
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 62.00
Claim No. :

Logged By : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	24.00	ARG	Black argillite.	022378	2.00	4.00	2.00	15.	67.	18.	720.	0.6
4.00	8.00		40% Limonitic intrusive.	022379	4.00	6.00	2.00	5.	47.	6.	160.	0.5
				022380	6.00	8.00	2.00	4.	170.	8.	200.	0.3
8.00	12.00		30% Green/grey shale.	022381	8.00	10.00	2.00	5.	113.	13.	510.	0.8
				022382	10.00	12.00	2.00	10.	63.	11.	360.	0.7
				022383	12.00	14.00	2.00	2.	29.	8.	300.	0.7
				022384	14.00	16.00	2.00	2.	24.	4.	240.	0.6
				022385	16.00	18.00	2.00	2.	26.	4.	180.	0.5
				022386	18.00	20.00	2.00	1.	34.	5.	160.	0.5
				022387	20.00	22.00	2.00	3.	50.	7.	320.	0.7
				022388	22.00	24.00	2.00	6.	80.	83.	910.	0.5
24.00	34.00	QFP	Grey/white to brown white, quartz feldspar porphyry.	022389	24.00	26.00	2.00	670.	2599.	51.	2600.	0.6
				022390	26.00	28.00	2.00	1910.	5853.	509.	5500.	4.3
				022391	28.00	30.00	2.00	320.	1265.	516.	1600.	0.9
				022392	30.00	32.00	2.00	100.	652.	42.	1300.	0.8
				022393	32.00	34.00	2.00	17.	171.	37.	1200.	0.5
34.00	36.00	ARG	Black argillite with 10% brown/white quartz feldspar porphyry.	022394	34.00	36.00	2.00	7.	140.	34.	1300.	1.0
36.00	38.00	QFP	Grey, pyritic, quartz feldspar porphyry with 15% black argillite.	022395	36.00	38.00	2.00	1390.	2305.	34.	1400.	0.8
38.00	40.00	ARG	Black argillite with abundant disseminated pyrite and 10% grey quartz feldspar porphyry.	022396	38.00	40.00	2.00	890.	1909.	41.	1800.	0.6
40.00	52.00	QFP	Grey/white to brown/white, pyritic, quartz feldspar porphyry.	022397	40.00	42.00	2.00	220.	712.	53.	4200.	0.7
				022398	42.00	44.00	2.00	210.	487.	42.	3500.	0.4
				022399	44.00	46.00	2.00	120.	634.	36.	3300.	0.7
				022400	46.00	48.00	2.00	250.	595.	144.	2600.	1.0
				022401	48.00	50.00	2.00	540.	461.	253.	3800.	3.8

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-312

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				022402	50.00	52.00	2.00	3020.	1616.	173.	3700.	3.5
52.00	62.00	ARG	Black argillite.									
52.00	54.00		30% Grey/white quartz feldspar porphyry.	022403	52.00	54.00	2.00	3940.	5255.	1711.	19000.	3.4
				022404	54.00	56.00	2.00	74.	381.	55.	3600.	0.5
				022405	56.00	58.00	2.00	83.	260.	74.	1200.	0.4
				022406	58.00	60.00	2.00	29.	100.	17.	640.	0.6
				022407	60.00	62.00	2.00	28.	91.	17.	450.	0.6

MORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-312
Grid System : ORIGINAL
Collar Eastings : 22699.510
Collar Northings : 19786.630
Collar Elevations : 873.350
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 62.00
Claim No. :

Logged By : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : BC

GEOCHEMICAL SAMPLES

FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00									
4.00	6.00						TR			
6.00	8.00						TR			
8.00	10.00									
10.00	12.00									
12.00	14.00									
14.00	16.00									
16.00	18.00									
18.00	20.00									
20.00	22.00									
22.00	24.00				1					
24.00	26.00	2			2	2		1		TR
26.00	28.00	2			2	2		1		TR
28.00	30.00	2			2	2		1		TR
30.00	32.00	2			2	2		1		TR
32.00	34.00	2			2	2		1		TR
34.00	36.00				1					TR
36.00	38.00	2				3		2		1
38.00	40.00									5
40.00	42.00	2			2	3		2		5
42.00	44.00	2			2	3		2		5
44.00	46.00	2			2	3		2		5
46.00	48.00	2			2	3		2		5
48.00	50.00	2			2	3		2		5
50.00	52.00	2			2	3		2		5
52.00	54.00				1					1
54.00	56.00									
56.00	58.00									
58.00	60.00									
60.00	62.00									

GEOTECHNICAL SAMPLES

FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-313
Grid System : ORIGINAL
Collar Eastings : 22698.050
Collar Northings : 19810.290
Collar Elevations : 879.520
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 58.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	4.00	ARG	Black argillite with 10% limonitic intrusive.	022408	2.00	4.00	2.00	27.	91.	16.	950.	0.8
4.00	6.00	INT	Limonitic porphyritic intrusive with 40% black argillite.	022409	4.00	6.00	2.00	63.	208.	91.	1600.	0.6
6.00	8.00	ARG	Black argillite.	022410	6.00	8.00	2.00	13.	122.	55.	1500.	0.6
8.00	14.00	INT	Limonitic quartz rich porphyritic intrusive with abundant rusty red quartz.	022411	8.00	10.00	2.00	1200.	1741.	77.	4800.	1.0
				022412	10.00	12.00	2.00	2780.	3294.	386.	4500.	1.1
				022413	12.00	14.00	2.00	1240.	3476.	61.	4700.	0.7
14.00	16.00	ARG	Black argillite.	022414	14.00	16.00	2.00	330.	1856.	31.	2800.	0.5
16.00	38.00	INT	Limonitic porphyritic intrusive.									
16.00	18.00		30% Black argillite.	022415	16.00	18.00	2.00	140.	543.	27.	3600.	0.6
				022416	18.00	20.00	2.00	62.	214.	26.	4600.	0.3
				022417	20.00	22.00	2.00	110.	478.	182.	2500.	0.3
				022418	22.00	24.00	2.00	50.	226.	953.	3100.	0.4
24.00	26.00		40% Dark grey, pyritic, quartz feldspar porphyry. Note: very pyritic.	022419	24.00	26.00	2.00	7740.	4739.	189.	5000.	1.8
				022420	26.00	28.00	2.00	1060.	980.	74.	5400.	0.5
				022421	28.00	30.00	2.00	420.	563.	65.	3800.	0.6
				022422	30.00	32.00	2.00	36.	279.	36.	3000.	0.3
				022423	32.00	34.00	2.00	59.	99.	36.	3300.	0.2
				022424	34.00	36.00	2.00	110.	347.	50.	4400.	0.9
				022425	36.00	38.00	2.00	31.	163.	34.	4100.	0.3
38.00	46.00	QPP	Grey/white, pyritic, quartz feldspar porphyry.	022426	38.00	40.00	2.00	160.	419.	251.	4600.	0.5
				022427	40.00	42.00	2.00	82.	365.	52.	4700.	0.6
				022428	42.00	44.00	2.00	1610.	1365.	95.	12000.	1.1
				022429	44.00	46.00	2.00	3760.	2365.	879.	80000.	0.9
46.00	58.00	ARG	Black graphitic argillite.	022430	46.00	48.00	2.00	1260.	1763.	221.	17000.	0.8

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-313

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				022431	48.00	50.00	2.00	37.	210.	45.	1200.	0.2
				022432	50.00	52.00	2.00	63.	245.	30.	1400.	0.2
				022433	52.00	54.00	2.00	82.	232.	55.	2600.	0.3
				022434	54.00	56.00	2.00	13.	102.	10.	560.	0.3
				022435	56.00	58.00	2.00	14.	65.	7.	480.	0.2

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-313
Grid System : ORIGINAL
Collar Eastings : 22698.050
Collar Northings : 19810.290
Collar Elevations : 879.520
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 58.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00																					
4.00	6.00	3					3	1		3												
6.00	8.00																					
8.00	10.00	2					3	1	3	3												
10.00	12.00	2			2		3	3	3	3												
12.00	14.00	2			2		3	3	3	3												
14.00	16.00																					
16.00	18.00	1.5					2		2	TR												
18.00	20.00	1.5					2	1	2	TR												
20.00	22.00	1.5					2	1	2	TR												
22.00	24.00	1.5					2	1	2	TR												
24.00	26.00	1.5					2	1	2	2												
26.00	28.00	1.5					2	1	2	TR												
28.00	30.00	1.5					2	1	2	TR												
30.00	32.00	1.5					2	1	2	TR												
32.00	34.00	1.5					2	1	2	TR												
34.00	36.00	1.5					2	1	2	TR												
36.00	38.00	1.5					2	1	2	TR												
38.00	40.00	1.5					2		1	1												
40.00	42.00	1.5					2		1	1												
42.00	44.00	1.5					2		1	1												
44.00	46.00	1.5					2		1	1												
46.00	48.00									TR												
48.00	50.00																					
50.00	52.00																					
52.00	54.00																					
54.00	56.00																					
56.00	58.00																					

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-314
Grid System : ORIGINAL
Collar Eastings : 22793.360
Collar Northings : 19900.930
Collar Elevations : 879.290
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : BC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	18.00	SEDS	Light green shale, grey shale and black argillite.	022436	2.00	4.00	2.00	4.	30.	11.	220.	0.2
4.00	6.00		40% Limonitic intrusive.	022437	4.00	6.00	2.00	4.	61.	14.	480.	0.2
				022438	6.00	8.00	2.00	15.	40.	11.	200.	0.1
8.00	12.00		40% Limonitic intrusive.	022439	8.00	10.00	2.00	8.	36.	4.	240.	0.2
				022440	10.00	12.00	2.00	4.	41.	8.	460.	0.3
				022441	12.00	14.00	2.00	2.	79.	9.	1500.	0.4
				022442	14.00	16.00	2.00	6.	51.	7.	300.	0.2
				022443	16.00	18.00	2.00	5.	20.	8.	350.	0.3
18.00	24.00	ARG	Black argillite.	022444	18.00	20.00	2.00	5.	12.	9.	340.	0.3
				022445	20.00	22.00	2.00	11.	52.	31.	1500.	4.2
				022446	22.00	24.00	2.00	6.	68.	31.	2700.	3.7
24.00	26.00	SEDS	Green/grey shale, rusty quartz and black argillite.	022447	24.00	26.00	2.00	10.	61.	17.	6600.	1.1
26.00	32.00	ARG	Black argillite.	022448	26.00	28.00	2.00	25.	131.	36.	34000.	3.0
				022449	28.00	30.00	2.00	5.	59.	22.	4600.	3.3
				022450	30.00	32.00	2.00	16.	68.	19.	4400.	2.9
32.00	36.00	SEDS	Grey chert, rusty quartz, brown/black shale, and black argillite.	022451	32.00	34.00	2.00	15.	77.	7.	2400.	0.3
				022452	34.00	36.00	2.00	9.	34.	6.	1050.	0.3
36.00	50.00	ARG	Black argillite.	022453	36.00	38.00	2.00	9.	71.	11.	920.	1.1
				022454	38.00	40.00	2.00	1.	86.	32.	5600.	2.2
				022455	40.00	42.00	2.00	2.	64.	33.	5400.	1.2
				022456	42.00	44.00	2.00	1.	72.	39.	4500.	1.7
				022457	44.00	46.00	2.00	5.	94.	41.	7600.	2.6
				022458	46.00	48.00	2.00	6.	76.	28.	4600.	1.7
				022459	48.00	50.00	2.00	10.	102.	21.	3200.	1.6

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-314
Grid System : ORIGINAL
Collar Eastings : 22793.360
Collar Northings : 19900.930
Collar Elevations : 879.290
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 50.00
Claim No. :

PAGE : 1

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00																					
4.00	6.00							TR	1													
6.00	8.00																					
8.00	10.00							TR	1													
10.00	12.00							TR	1													
12.00	14.00																					
14.00	16.00																					
16.00	18.00																					
18.00	20.00																					
20.00	22.00																					
22.00	24.00																					
24.00	26.00								1													
26.00	28.00																					
28.00	30.00																					
30.00	32.00																					
32.00	34.00								1													
34.00	36.00								1													
36.00	38.00																					
38.00	40.00																					
40.00	42.00																					
42.00	44.00																					
44.00	46.00																					
46.00	48.00																					
48.00	50.00																					

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-315
Grid System : ORIGINAL
Collar Eastings : 22792.400
Collar Northings : 19870.100
Collar Elevations : 884.140
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 76.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	8.00	SEDS	Grey mudstone, black argillite and brown shale.	022460	2.00	4.00	2.00	800.	774.	51.	2500.	1.9
				022461	4.00	6.00	2.00	11.	292.	36.	1300.	0.4
				022462	6.00	8.00	2.00	1.	72.	20.	1100.	0.2
8.00	12.00	INT	Limonitic, quartz rich, porphyritic intrusive with 20% black argillite.	022463	8.00	10.00	2.00	22.	597.	50.	3200.	0.6
				022464	10.00	12.00	2.00	77.	1029.	73.	2100.	0.8
12.00	14.00	ARG	Black argillite.	022465	12.00	14.00	2.00	200.	873.	71.	7400.	1.3
14.00	26.00	INT	Limonitic, quartz rich, porphyritic intrusive.	022466	14.00	16.00	2.00	24.	386.	45.	3300.	0.6
				022467	16.00	18.00	2.00	11.	163.	31.	800.	0.1
				022468	18.00	20.00	2.00	8.	59.	39.	540.	0.2
				022469	20.00	22.00	2.00	27.	209.	26.	2900.	0.2
				022470	22.00	24.00	2.00	63.	324.	37.	2400.	0.8
				022471	24.00	26.00	2.00	13.	85.	46.	1900.	0.3
26.00	38.00	P*INT	Blue/grey to green/brown, black biotite rich, porphyritic intrusive.	022472	26.00	28.00	2.00	7.	32.	76.	750.	0.1
				022473	28.00	30.00	2.00	4.	46.	54.	6500.	0.1
				022474	30.00	32.00	2.00	5.	28.	72.	1050.	0.1
				022475	32.00	34.00	2.00	2.	31.	125.	220.	0.1
				022476	34.00	36.00	2.00	6.	31.	220.	280.	0.2
				022477	36.00	38.00	2.00	10.	30.	74.	330.	0.3
38.00	66.00	QFP	White to red/brown, quartz feldspar porphyry with minor disseminated pyrite.	022478	38.00	40.00	2.00	7.	77.	18.	2900.	0.2
				022479	40.00	42.00	2.00	4.	58.	18.	3300.	0.1
				022480	42.00	44.00	2.00	4.	69.	22.	5400.	0.3
				022481	44.00	46.00	2.00	610.	587.	42.	5500.	0.7
				022482	46.00	48.00	2.00	5970.	2434.	697.	6100.	5.8
				022483	48.00	50.00	2.00	2780.	1566.	278.	3300.	1.0
				022484	50.00	52.00	2.00	74.	114.	42.	5200.	0.5
				022485	52.00	54.00	2.00	29.	93.	28.	4400.	0.4
				022486	54.00	56.00	2.00	63.	102.	29.	5100.	0.3
				022487	56.00	58.00	2.00	61.	83.	25.	3800.	0.3

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-315

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sr ppm	Hg ppb	Ag ppm
				022488	58.00	60.00	2.00	10.	34.	34.	1400.	0.2
				022489	60.00	62.00	2.00	6.	60.	21.	2100.	0.4
				022490	62.00	64.00	2.00	9.	94.	17.	1800.	0.4
				022491	64.00	66.00	2.00	11.	68.	28.	1300.	0.4
66.00	74.00	ARG	Black argillite with 40% grey shale.	022492	66.00	68.00	2.00	2.	104.	23.	1600.	0.4
				022493	68.00	70.00	2.00	9.	43.	6.	580.	0.4
				022494	70.00	72.00	2.00	4.	39.	6.	250.	0.5
				022495	72.00	74.00	2.00	7.	104.	12.	300.	0.6
74.00	76.00	QFP	White quartz feldspar porphyry.	022496	74.00	76.00	2.00	10.	56.	5.	1300.	0.4

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-315
Grid System : ORIGINAL
Collar Eastings : 22792.400
Collar Northings : 19870.100
Collar Elevations : 884.140
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 76.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00																					
4.00	6.00																					
6.00	8.00																					
8.00	10.00	3				3	1	2														
10.00	12.00	3				3	1	2														
12.00	14.00																					
14.00	16.00	2				3	1	1.5	TR													
16.00	18.00	2			1	3	1	1.5	TR													
18.00	20.00	2			1	3	1	1.5	TR													
20.00	22.00	2			2	3	1	1.5	TR													
22.00	24.00	2			2	3	1	1.5	TR													
24.00	26.00	2			2	3	1	1.5	TR													
26.00	28.00	1			2																	
28.00	30.00	1			2																	
30.00	32.00	1			2																	
32.00	34.00	1			2																	
34.00	36.00	1			2																	
36.00	38.00	1			2																	
38.00	40.00	1.5			2	3		2	TR													
40.00	42.00	1.5			2	3		2	TR													
42.00	44.00	1.5			2	3		2	TR													
44.00	46.00	1.5			2	3		2	TR													
46.00	48.00	1.5			2	3		3	TR													
48.00	50.00	1.5			2	3		2	TR													
50.00	52.00	1.5			2	3		2	TR													
52.00	54.00	1.5			2	3		2	TR													
54.00	56.00	1.5			2	3		2	TR													
56.00	58.00	1.5			2	3		2	TR													
58.00	60.00	1.5			2	3		2	TR													
60.00	62.00	1.5			2	3		2	TR													
62.00	64.00	1.5			2	3		2	TR													
64.00	66.00	1.5			2	3		2	TR													
66.00	68.00																					
68.00	70.00																					
70.00	72.00																					

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-315

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
72.00	74.00																					
74.00	76.00	1.5			2	2		1	TR													

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-316
Grid System : ORIGINAL
Collar Eastings : 22788.450
Collar Northings : 19850.870
Collar Elevations : 886.850
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 70.00
Claim No. :

Logged By : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	8.00	INT	Limonitic porphyritic intrusive.	022497	2.00	4.00	2.00	2.	110.	15.	2300.	0.6
4.00	8.00		20% Black argillite.	022498	4.00	6.00	2.00	6.	108.	17.	1400.	0.3
				022499	6.00	8.00	2.00	6.	84.	9.	900.	0.6
8.00	24.00	SEDS	Grey shale, light grey mudstone and black argillite.	022500	8.00	10.00	2.00	2.	44.	8.	860.	0.5
				022501	10.00	12.00	2.00	3.	29.	6.	280.	0.6
				022502	12.00	14.00	2.00	7.	24.	3.	110.	0.4
				022503	14.00	16.00	2.00	1.	25.	4.	120.	0.7
				022504	16.00	18.00	2.00	2.	26.	4.	80.	0.5
				022505	18.00	20.00	2.00	1.	16.	2.	50.	0.4
				022506	20.00	22.00	2.00	5.	22.	4.	90.	0.6
				022507	22.00	24.00	2.00	1.	25.	2.	200.	0.4
24.00	32.00	ARG	Black argillite.	022508	24.00	26.00	2.00	2.	40.	8.	430.	0.9
				022509	26.00	28.00	2.00	2.	43.	20.	1600.	1.2
				022510	28.00	30.00	2.00	6.	49.	170.	1400.	1.8
				022511	30.00	32.00	2.00	24.	304.	50.	4300.	0.8
32.00	64.00	QFP	White/grey to brown/white quartz feldspar porphyry with abundant disseminated pyrite.									
32.00	36.00		40% Black argillite.	022512	32.00	34.00	2.00	270.	626.	55.	3300.	0.9
				022513	34.00	36.00	2.00	110.	347.	34.	4800.	0.4
				022514	36.00	38.00	2.00	570.	949.	486.	3700.	0.7
				022515	38.00	40.00	2.00	510.	618.	175.	3800.	2.2
				022516	40.00	42.00	2.00	390.	681.	266.	2400.	0.9
				022517	42.00	44.00	2.00	290.	752.	41.	3300.	0.3
				022518	44.00	46.00	2.00	130.	844.	32.	3100.	0.3
				022519	46.00	48.00	2.00	85.	503.	27.	2800.	0.4
				022520	48.00	50.00	2.00	14.	87.	15.	3600.	0.1
				022521	50.00	52.00	2.00	10.	68.	15.	3800.	0.1
				022522	52.00	54.00	2.00	19.	78.	14.	3100.	0.2
				022523	54.00	56.00	2.00	350.	287.	16.	2300.	0.5

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-316

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				022524	56.00	58.00	2.00	590.	683.	20.	2500.	0.7
				022525	58.00	60.00	2.00	3980.	2018.	33.	5700.	1.1
				022526	60.00	62.00	2.00	12860.	5318.	1010.	28000.	2.3
				022527	62.00	64.00	2.00	6980.	3426.	144.	11000.	1.3
64.00	70.00	ARG	Black graphitic argillite.	022528	64.00	66.00	2.00	120.	638.	42.	2800.	0.3
				022529	66.00	68.00	2.00	12.	73.	6.	340.	0.2
				022530	68.00	70.00	2.00	110.	94.	15.	400.	0.2

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-316
Grid System : ORIGINAL
Collar Eastings : 22788.450
Collar Northings : 19850.870
Collar Elevations : 886.850
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 70.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sr %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2			3		3	2														
4.00	6.00	2			3		3	2														
6.00	8.00	2			3		3	2														
8.00	10.00																					
10.00	12.00																					
12.00	14.00																					
14.00	16.00																					
16.00	18.00																					
18.00	20.00																					
20.00	22.00																					
22.00	24.00																					
24.00	26.00																					
26.00	28.00																					
28.00	30.00																					
30.00	32.00																					
32.00	34.00	2				3		1.5	1													
34.00	36.00	2			2	3		1.5	1													
36.00	38.00	2			2	3	3	1.5	1													
38.00	40.00	2			2	3	3	1.5	1													
40.00	42.00	2			2	3		1.5	1													
42.00	44.00	2			2	3		1.5	1													
44.00	46.00	2			2	3		1.5	1													
46.00	48.00	2			2	3		1.5	1													
48.00	50.00	2			2	3		1.5	1													
50.00	52.00	2			2	3		1.5	1													
52.00	54.00	2			2	3		1.5	1													
54.00	56.00	2			2	3		1.5	1													
56.00	58.00	2			2	3		1.5	1													
58.00	60.00	2			2	3		1.5	1													
60.00	62.00	2			2	3		1.5	1													
62.00	64.00	2			1	3		1.5	1													
64.00	66.00																					

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-316

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
66.00	68.00									
68.00	70.00									

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzCirCode %

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-317
Grid System : ORIGINAL
Collar Eastings : 22791.030
Collar Northings : 19827.660
Collar Elevations : 882.010
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 68.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	10.00	INT	Limonitic quartz rich porphyritic intrusive.	022531	2.00	4.00	2.00	63.	108.	14.	2400.	0.1
				022532	4.00	6.00	2.00	7.	110.	21.	2000.	0.3
				022533	6.00	8.00	2.00	14.	73.	5.	1300.	0.1
				022534	8.00	10.00	2.00	19.	72.	2.	320.	0.3
10.00	22.00	SEDS	Grey shale, grey mudstone and black argillite.	022535	10.00	12.00	2.00	3.	25.	2.	200.	0.2
				022536	12.00	14.00	2.00	5.	24.	2.	430.	0.4
				022537	14.00	16.00	2.00	4.	28.	6.	390.	1.5
				022538	16.00	18.00	2.00	3.	30.	4.	350.	1.5
				022539	18.00	20.00	2.00	3.	30.	2.	400.	1.2
				022540	20.00	22.00	2.00	1.	54.	4.	660.	0.4
22.00	30.00	QPP	White/brown to grey, quartz feldspar porphyry.	022541	22.00	24.00	2.00	5.	272.	10.	1200.	0.3
				022542	24.00	26.00	2.00	3.	63.	28.	1300.	0.2
				022543	26.00	28.00	2.00	3.	73.	28.	2300.	0.3
				022544	28.00	30.00	2.00	4.	143.	15.	4400.	0.1
30.00	40.00	ARG	Black graphitic argillite.	022545	30.00	32.00	2.00	3.	48.	5.	1200.	0.4
				022546	32.00	34.00	2.00	2.	60.	6.	1300.	0.4
				022547	34.00	36.00	2.00	6.	63.	11.	720.	0.4
				022548	36.00	38.00	2.00	8.	40.	7.	630.	0.3
				022549	38.00	40.00	2.00	200.	1164.	19.	1200.	0.4
40.00	62.00	QPP	White, pyritic, quartz feldspar porphyry.	022550	40.00	42.00	2.00	1290.	1359.	547.	1100.	1.1
				022551	42.00	44.00	2.00	910.	1410.	39.	1050.	0.9
				022552	44.00	46.00	2.00	590.	525.	57.	1100.	1.6
				022553	46.00	48.00	2.00	460.	952.	102.	700.	1.3
				022554	48.00	50.00	2.00	750.	2087.	247.	680.	3.1
				022555	50.00	52.00	2.00	550.	1104.	144.	900.	1.9
				022556	52.00	54.00	2.00	570.	1155.	71.	600.	1.1
				022557	54.00	56.00	2.00	660.	671.	138.	580.	1.6
				022558	56.00	58.00	2.00	2170.	2695.	2620.	5500.	1.4
				022559	58.00	60.00	2.00	3010.	1550.	16828.	3800.	2.4

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-317

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	As ppm
60.00	62.00		Minor massive stibnite.	022560	60.00	62.00	2.00	2350.	2424.	3314.	1700.	1.2
62.00	68.00	ARG	Black argillite.	022561	62.00	64.00	2.00	80.	770.	105.	1300.	3.2
				022562	64.00	66.00	2.00	21.	76.	56.	800.	0.1
				022563	66.00	68.00	2.00	11.	51.	56.	490.	0.2

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-317
Grid System : ORIGINAL
Collar Eastings : 22791.030
Collar Northings : 19827.660
Collar Elevations : 882.010
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 68.00
Claim No. :

Logged By : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES												GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %		FROM	TO	Recovery %	Lim %	Breakage	Sz	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2			3	3	5	2															
4.00	6.00	2			3	3	5	2															
6.00	8.00	2			3	3	5	2															
8.00	10.00	2			3	3	5	2															
10.00	12.00																						
12.00	14.00																						
14.00	16.00																						
16.00	18.00																						
18.00	20.00																						
20.00	22.00																						
22.00	24.00	2			2	3		1		TR													
24.00	26.00	2			2	3		1		TR													
26.00	28.00	2			2	3		1		TR													
28.00	30.00	2			2	3		1		TR													
30.00	32.00																						
32.00	34.00																						
34.00	36.00																						
36.00	38.00																						
38.00	40.00																						
40.00	42.00	2			2	3		1.5		1													
42.00	44.00	2			2	3		1.5		1													
44.00	46.00	2			2	3		1.5		1													
46.00	48.00	2			2	3		1.5		1													
48.00	50.00	2			2	3		1.5		1													
50.00	52.00	2			2	3		1.5		1													
52.00	54.00	2			2	3		1.5		1													
54.00	56.00	2			2	3		1.5		1													
56.00	58.00	2			2	3		1.5		1													
58.00	60.00	2			2	3		1.5		1													
60.00	62.00	2			2	3		2		1													
62.00	64.00																						
64.00	66.00																						
66.00	68.00																						

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-318
Grid System : ORIGINAL
Collar Eastings : 22831.330
Collar Northings : 19825.720
Collar Elevations : 866.730
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 70.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	20.00	INT	Limonitic, quartz rich, porphyritic intrusive.	022564	2.00	4.00	2.00	16.	149.	36.	2100.	0.3
				022565	4.00	6.00	2.00	4.	96.	20.	2800.	0.2
				022566	6.00	8.00	2.00	17.	458.	23.	5600.	0.3
8.00	10.00		80% Red quartz.	022567	8.00	10.00	2.00	2730.	5877.	41.	3500.	0.8
				022568	10.00	12.00	2.00	700.	2621.	35.	2700.	0.3
				022569	12.00	14.00	2.00	78.	884.	27.	5800.	0.2
				022570	14.00	16.00	2.00	47.	552.	22.	2800.	0.2
				022571	16.00	18.00	2.00	19.	133.	9.	1400.	0.2
18.00	20.00		10% Black argillite.	022572	18.00	20.00	2.00	6.	122.	14.	1300.	0.8
20.00	22.00	ARG	Black argillite.	022573	20.00	22.00	2.00	11.	181.	10.	350.	0.7
22.00	40.00	INT	Limonitic porphyritic intrusive.	022574	22.00	24.00	2.00	4.	81.	14.	100.	0.2
				022575	24.00	26.00	2.00	5.	49.	8.	60.	0.1
				022576	26.00	28.00	2.00	3.	51.	12.	40.	0.1
				022577	28.00	30.00	2.00	4.	109.	13.	500.	0.2
30.00	34.00		30% Grey quartz feldspar porphyry.	022578	30.00	32.00	2.00	7.	109.	17.	120.	0.2
				022579	32.00	34.00	2.00	4.	56.	9.	100.	0.1
				022580	34.00	36.00	2.00	5.	170.	17.	580.	0.2
				022581	36.00	38.00	2.00	12.	111.	54.	850.	0.2
38.00	40.00		5% Green/grey, black biotite rich, quartz feldspar porphyry.	022582	38.00	40.00	2.00	39.	197.	26.	1500.	0.1
40.00	56.00	QFP	White, quartz feldspar porphyry.	022583	40.00	42.00	2.00	71.	256.	26.	2800.	0.2
				022584	42.00	44.00	2.00	21.	78.	24.	3500.	0.1
				022585	44.00	46.00	2.00	570.	426.	27.	2800.	0.3
				022586	46.00	48.00	2.00	9.	72.	26.	5200.	0.1
				022587	48.00	50.00	2.00	3.	65.	45.	5900.	0.2
				022588	50.00	52.00	2.00	200.	247.	893.	4200.	0.2
				022589	52.00	54.00	2.00	86.	205.	31.	2800.	0.3
54.00	56.00		10% Dark grey, biotite rich, intrusive.	022590	54.00	56.00	2.00	200.	187.	20.	850.	0.5
56.00	58.00	F*INT	Dark grey, black biotite rich, porphyritic	022591	56.00	58.00	2.00	1250.	877.	176.	4300.	0.9

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-318

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			intrusive. 30% White quartz feldspar porphyry.									
58.00	70.00	QFP	White, quartz feldspar porphyry with minor disseminated pyrite.	022592	58.00	60.00	2.00	400.	394.	26.	3000.	0.1
				022593	60.00	62.00	2.00	1270.	1590.	23.	3300.	0.2
				022594	62.00	64.00	2.00	1760.	1014.	236.	4600.	0.3
				022595	64.00	66.00	2.00	1980.	2552.	37.	5000.	0.4
				022596	66.00	68.00	2.00	1190.	1565.	102.	2400.	0.8
				022597	68.00	70.00	2.00	520.	919.	25.	4300.	0.4

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-318
Grid System : ORIGINAL
Collar Eastings : 22831.330
Collar Northings : 19825.720
Collar Elevations : 866.730
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 70.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES										GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	3			2	3	5	3														
4.00	6.00	3			2	3	5	3														
6.00	8.00	3			2	3	5	3														
8.00	10.00	3			3	3	5	4														
10.00	12.00	3			3	3	5	3														
12.00	14.00	3			3	3	5	3														
14.00	16.00	3			3	3	5	3														
16.00	18.00	3			3	3	5	3														
18.00	20.00	3			3	3	5	3														
20.00	22.00				1																	
22.00	24.00	2			2	3	3	2														
24.00	26.00	2			2	3	3	2														
26.00	28.00	2			2	3	3	2														
28.00	30.00	2			2	3	3	2														
30.00	32.00	2			2	3	1	2														
32.00	34.00	2			2	3	1	2														
34.00	36.00	2			2	3	1	2														
36.00	38.00	2			2	3	1	2														
38.00	40.00	2			2	3	1	2														
40.00	42.00	2			2	2		1.5	TR													
42.00	44.00	2			2	2		1.5	TR													
44.00	46.00	2			2	2		1.5	TR													
46.00	48.00	2			2	2		1.5	TR													
48.00	50.00	2			2	2		1.5	TR													
50.00	52.00	2			2	2		1.5	TR													
52.00	54.00	2			2	2		1.5	TR													
54.00	56.00	2			2	2		1.5	TR													
56.00	58.00	1			2	2		1.5	TR													
58.00	60.00	2			2	3		1.5	TR													
60.00	62.00	2			2	3		1.5	TR													
62.00	64.00	2			2	3		1.5	TR													
64.00	66.00	2			2	3		1.5	TR													

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-318

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES												
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
66.00	68.00	2			2	3		1.5	TR														
68.00	70.00	2			2	3		1.5	TR														

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-319
Grid System : ORIGINAL
Collar Eastings : 22843.870
Collar Northings : 19920.100
Collar Elevations : 860.160
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 42.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	18.00	INT	Limonitic porphyritic intrusive.									
2.00	6.00		NOTE: NO RECOVERY.									
6.00	8.00		30% Black argillite.	022600	6.00	8.00	2.00	44.	70.	7.	1050.	0.1
				022601	8.00	10.00	2.00	12.	22.	6.	260.	0.1
				022602	10.00	12.00	2.00	4.	32.	9.	540.	0.1
				022603	12.00	14.00	2.00	1.	36.	2.	2200.	0.1
				022604	14.00	16.00	2.00	2.	132.	8.	4300.	0.1
16.00	18.00		20% Black argillite.	022605	16.00	18.00	2.00	19.	86.	7.	1400.	0.2
18.00	42.00	ARG	Black argillite with minor green shale.	022606	18.00	20.00	2.00	18.	47.	6.	360.	0.5
20.00	22.00		80% Green shale.	022607	20.00	22.00	2.00	11.	24.	3.	380.	0.3
22.00	24.00		20% Limonitic intrusive.	022608	22.00	24.00	2.00	5.	23.	2.	150.	0.1
				022609	24.00	26.00	2.00	1.	40.	2.	120.	0.1
				022610	26.00	28.00	2.00	2.	21.	2.	70.	0.1
				022611	28.00	30.00	2.00	2.	34.	2.	100.	0.1
				022612	30.00	32.00	2.00	1.	18.	2.	80.	0.1
				022613	32.00	34.00	2.00	2.	27.	2.	90.	0.2
				022614	34.00	36.00	2.00	2.	20.	2.	40.	0.1
				022615	36.00	38.00	2.00	1.	37.	3.	50.	1.1
				022616	38.00	40.00	2.00	2.	32.	2.	90.	0.2
				022617	40.00	42.00	2.00	13.	23.	2.	30.	0.2

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-319
Grid System : ORIGINAL
Collar Eastings : 22843.870
Collar Northings : 19920.100
Collar Elevations : 860.160
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 42.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sr %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00																					
4.00	6.00																					
6.00	8.00	2				1.5	3	1														
8.00	10.00	2			2	1.5	3	1														
10.00	12.00	2			2	1.5	3	1														
12.00	14.00	2			3	1.5	3	1														
14.00	16.00	2			3	2	3	3														
16.00	18.00	2			3	2	3	3														
18.00	20.00																					
20.00	22.00																					
22.00	24.00						TR															
24.00	26.00																					
26.00	28.00																					
28.00	30.00																					
30.00	32.00																					
32.00	34.00																					
34.00	36.00																					
36.00	38.00																					
38.00	40.00																					

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-320
Grid System : ORIGINAL
Collar Eastings : 22889.370
Collar Northings : 19920.190
Collar Elevations : 842.100
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged By : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	6.00	INT	Limonitic, quartz rich, porphyritic intrusive.	022618	2.00	4.00	2.00	12390.	2467.	14360.	17000.	3.7
				022619	4.00	6.00	2.00	10410.	5892.	3054.	16000.	2.5
6.00	12.00	ARG	Black argillite.									
6.00	8.00		40% Limonitic intrusive.	022620	6.00	8.00	2.00	4320.	3839.	2171.	17000.	2.2
				022621	8.00	10.00	2.00	1520.	2058.	193.	4700.	1.1
				022622	10.00	12.00	2.00	3590.	1201.	162.	5600.	2.3
12.00	16.00	INT	Limonitic, quartz rich, porphyritic intrusive.									
12.00	14.00		30% Black argillite.	022623	12.00	14.00	2.00	4390.	1633.	221.	5400.	3.4
				022624	14.00	16.00	2.00	2510.	2088.	246.	5100.	2.0
16.00	18.00	ARG	Black argillite with 20% limonitic intrusive.	022625	16.00	18.00	2.00	6030.	1167.	1744.	30000.	26.1
18.00	24.00	INT	Limonitic porphyritic intrusive.	022626	18.00	20.00	2.00	1700.	3280.	347.	6300.	1.8
20.00	22.00		20% Sediments.	022627	20.00	22.00	2.00	1090.	1182.	588.	3800.	0.9
				022628	22.00	24.00	2.00	320.	1484.	346.	2600.	0.6
24.00	26.00	SEDS	Grey shale, grey mudstone, brown shale and black argillite.	022629	24.00	26.00	2.00	160.	311.	156.	2100.	0.4
26.00	36.00	ARG	Black argillite.	022630	26.00	28.00	2.00	34.	190.	64.	660.	0.4
				022631	28.00	30.00	2.00	39.	169.	39.	680.	0.1
				022632	30.00	32.00	2.00	26.	189.	38.	410.	0.2
				022633	32.00	34.00	2.00	15.	166.	28.	430.	0.4
				022634	34.00	36.00	2.00	5.	83.	17.	240.	0.4
36.00	42.00	QFP	Brown/white, quartz feldspar porphyry.									
36.00	38.00		40% Black argillite.	022635	36.00	38.00	2.00	9.	42.	13.	100.	0.1
				022636	38.00	40.00	2.00	10.	33.	9.	80.	0.1
				022637	40.00	42.00	2.00	74.	61.	39.	200.	0.2

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-320

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
42.00	44.00	ARG	Black argillite.	022638	42.00	44.00	2.00	5.	44.	15.	130.	0.3
44.00	46.00	QFP	Brown/white, quartz feldspar porphyry with abundant disseminated pyrite.	022639	44.00	46.00	2.00	7.	86.	10.	50.	0.1
46.00	52.00	ARG	Black argillite.	022640	46.00	48.00	2.00	4.	45.	12.	110.	0.1
				022641	48.00	50.00	2.00	8.	33.	11.	120.	0.2
				022642	50.00	52.00	2.00	6.	48.	14.	170.	0.2

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-320
Grid System : ORIGINAL
Collar Eastings : 22889.370
Collar Northings : 19920.190
Collar Elevations : 842.100
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 52.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

FROM	TO	Arg	Sil	Serc	GEOCHEMICAL SAMPLES Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00	2					1.5		1	
4.00	6.00	2					1.5	3	1	
6.00	8.00									
8.00	10.00									
10.00	12.00									
12.00	14.00	2.5					3	3	3	
14.00	16.00	2.5				2	3	2	3	
16.00	18.00							1		
18.00	20.00	2				1	2	3	2	
20.00	22.00	2				1	2	3	2	
22.00	24.00	2				1	2	3	2	
24.00	26.00									
26.00	28.00									
28.00	30.00									
30.00	32.00									
32.00	34.00									
34.00	36.00									
36.00	38.00	1.5				2	1.5		1	
38.00	40.00	1.5				2	1.5		1	
40.00	42.00	1.5				2	1.5		1	
42.00	44.00					2				
44.00	46.00	2				2	3		2	1
46.00	48.00									
48.00	50.00									
50.00	52.00									

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Sr %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-321
Grid System : ORIGINAL
Collar Eastings : 22888.490
Collar Northings : 19899.240
Collar Elevations : 847.080
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 62.00
Claim No. :

Logged By : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	14.00	INT	Limonitic porphyritic intrusive.	022643	2.00	4.00	2.00	142.	320.	275.	5800.	0.1
				022644	4.00	6.00	2.00	34.	122.	388.	4500.	0.1
				022645	6.00	8.00	2.00	500.	648.	510.	2700.	0.4
				022646	8.00	10.00	2.00	520.	811.	378.	2600.	0.7
				022647	10.00	12.00	2.00	1380.	1466.	1693.	2800.	0.4
				022648	12.00	14.00	2.00	350.	683.	691.	3500.	0.2
14.00	18.00	ARG	Black argillite.	022649	14.00	16.00	2.00	20.	152.	127.	1700.	0.1
				022650	16.00	18.00	2.00	18.	327.	94.	3200.	0.5
18.00	22.00	INT	Limonitic porphyritic intrusive.	022651	18.00	20.00	2.00	910.	1310.	64.	6600.	1.2
				022652	20.00	22.00	2.00	420.	2525.	65.	4900.	0.9
22.00	24.00	ARG	Black argillite.	022653	22.00	24.00	2.00	2130.	2849.	139.	10000.	3.3
24.00	28.00	INT	Limonitic, quartz rich, porphyritic intrusive.	022654	24.00	26.00	2.00	1560.	2351.	95.	2600.	1.6
				022655	26.00	28.00	2.00	6300.	2266.	224.	5600.	5.3
28.00	40.00	QFP	Dark grey to white/brown, quartz feldspar porphyry with minor disseminated pyrite.	022656	28.00	30.00	2.00	1460.	3475.	44.	8700.	0.7
				022657	30.00	32.00	2.00	280.	1415.	31.	3300.	0.1
				022658	32.00	34.00	2.00	42.	267.	95.	950.	0.1
				022659	34.00	36.00	2.00	23.	126.	46.	510.	0.1
				022660	36.00	38.00	2.00	103.	381.	35.	720.	0.3
38.00	40.00		20% Black argillite.	022661	38.00	40.00	2.00	210.	446.	31.	430.	0.1
40.00	42.00	ARG	Black argillite with 20% quartz feldspar porphyry.	022662	40.00	42.00	2.00	51.	215.	20.	180.	0.1
42.00	52.00	QFP	Dark grey to white/brown porphyritic intrusive with minor disseminated pyrite.	022663	42.00	44.00	2.00	21.	126.	24.	580.	0.2
				022664	44.00	46.00	2.00	13.	182.	37.	2500.	0.2
				022665	46.00	48.00	2.00	18.	135.	26.	1400.	0.3
				022666	48.00	50.00	2.00	10.	86.	19.	1050.	0.3
				022667	50.00	52.00	2.00	1010.	1205.	15.	1600.	0.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-321

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au PPB	As PPB	Sb PPB	Hg PPB	Ag PPB
52.00	62.00	ARG	Black argillite.	022668	52.00	54.00	2.00	16.	76.	7.	610.	0.1
				022669	54.00	56.00	2.00	7.	84.	9.	570.	0.3
				022670	56.00	58.00	2.00	7.	38.	5.	180.	0.1
				022671	58.00	60.00	2.00	9.	32.	4.	120.	0.3
				022672	60.00	62.00	2.00	4.	30.	5.	100.	0.2

MORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-321
Grid System : ORIGINAL
Collar Eastings : 22888.490
Collar Northings : 19899.240
Collar Elevations : 847.080
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 62.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
2.00	4.00	1			2	2	3	1		
4.00	6.00	1			2	2	3	1		
6.00	8.00	1			2	2	3	1		
8.00	10.00	1			2	2	3	1		
10.00	12.00	2			2	2	3	2		
12.00	14.00	2			2	2	5	2		
14.00	16.00									
16.00	18.00									
18.00	20.00	2			3	2	3	2		
20.00	22.00	2			3	2	3	2		
22.00	24.00									
24.00	26.00	3			2	3	1	2		
26.00	28.00	3			2	3	1	2		
28.00	30.00	1			3	2		2		
30.00	32.00	1			3	2		2		
32.00	34.00	1			2	2		2		
34.00	36.00	1				2		2		
36.00	38.00	1				2		2		
38.00	40.00	1				2		2		
40.00	42.00									
42.00	44.00	1				2	2	2		
44.00	46.00	1				2	2	2		
46.00	48.00	1				2	2	2		
48.00	50.00	1				2	2	2		
50.00	52.00	1				2	2	2		
52.00	54.00									
54.00	56.00									
56.00	58.00									
58.00	60.00									
60.00	62.00									

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Si %	Veins %	Brg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-322
Grid System : ORIGINAL
Collar Eastings : 22889.480
Collar Northings : 19876.710
Collar Elevations : 846.060
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 74.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	24.00	QFP	White/brown to dark brown, quartz feldspar porphyry.	022673	2.00	4.00	2.00	46.	192.	112.	5300.	0.2
				022674	4.00	6.00	2.00	14.	137.	109.	3800.	0.3
6.00	8.00		40% Rusty limonitic intrusive.	022675	6.00	8.00	2.00	1170.	1110.	2119.	3300.	0.9
				022676	8.00	10.00	2.00	52.	151.	204.	4000.	0.2
				022677	10.00	12.00	2.00	15.	92.	93.	5800.	0.2
				022678	12.00	14.00	2.00	16.	80.	166.	5900.	0.1
				022679	14.00	16.00	2.00	2940.	2567.	1372.	6600.	1.0
				022680	16.00	18.00	2.00	980.	1158.	216.	8800.	0.4
				022681	18.00	20.00	2.00	68.	125.	350.	4400.	0.2
				022682	20.00	22.00	2.00	28.	149.	56.	3100.	0.1
				022683	22.00	24.00	2.00	24.	302.	85.	3200.	0.2
24.00	28.00	F*INT	Dark blue, black biotite rich, porphyry.	022684	24.00	26.00	2.00	25.	119.	27.	600.	0.1
			Contains 20% brown quartz feldspar porphyry.	022685	26.00	28.00	2.00	62.	351.	42.	1100.	0.1
28.00	46.00	QFP	White/brown quartz feldspar porphyry with minor disseminated pyrite.	022686	28.00	30.00	2.00	220.	1366.	45.	2300.	0.4
				022687	30.00	32.00	2.00	810.	2142.	66.	2100.	1.1
				022688	32.00	34.00	2.00	310.	940.	51.	1800.	1.1
34.00	36.00		30% Black argillite.	022689	34.00	36.00	2.00	3550.	1175.	590.	2400.	6.8
				022690	36.00	38.00	2.00	3800.	2450.	6175.	9600.	9.7
38.00	40.00		20% Black argillite.	022691	38.00	40.00	2.00	290.	506.	117.	1100.	1.8
				022692	40.00	42.00	2.00	310.	338.	61.	440.	0.3
				022693	42.00	44.00	2.00	30.	89.	32.	450.	0.3
				022694	44.00	46.00	2.00	47.	128.	48.	1100.	0.3
46.00	48.00	SEDS	Grey chert, dark grey shale, and black argillite.	022695	46.00	48.00	2.00	34.	139.	24.	730.	0.3
48.00	66.00	QFP	Grey, quartz feldspar, pyrite rich, porphyry.	022696	48.00	50.00	2.00	18.	166.	16.	2500.	0.1
				022697	50.00	52.00	2.00	410.	1000.	19.	1900.	0.2
				022698	52.00	54.00	2.00	2680.	2482.	26.	5400.	0.8
				022699	54.00	56.00	2.00	2300.	2958.	46.	2700.	0.9

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMERY CREEK
HOLE No. : BCBC 90-322

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				022700	56.00	58.00	2.00	980.	1423.	35.	4300.	0.6
				022701	58.00	60.00	2.00	590.	1469.	74.	2900.	0.6
				022702	60.00	62.00	2.00	210.	961.	31.	3500.	0.5
				022703	62.00	64.00	2.00	65.	219.	23.	3800.	0.5
				022704	64.00	66.00	2.00	210.	280.	24.	900.	0.5
66.00	74.00	ARG	Black argillite.	022705	66.00	68.00	2.00	18.	57.	12.	400.	0.7
				022706	68.00	70.00	2.00	9.	43.	11.	360.	0.5
				022707	70.00	72.00	2.00	9.	45.	6.	250.	0.2
				022708	72.00	74.00	2.00	7.	168.	12.	430.	0.2

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-322
Grid System : ORIGINAL
Collar Eastings : 22889.480
Collar Northings : 19876.710
Collar Elevations : 846.060
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 74.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2			2	2	1	1														
4.00	6.00	2			2	2	TR	1														
6.00	8.00	2			2	2	3	3														
8.00	10.00	2			2	2	1	2														
10.00	12.00	2			2	2	TR	2														
12.00	14.00	2			2	2		2														
14.00	16.00	2			2	2	1	3														
16.00	18.00	2			2	2		2														
18.00	20.00	2			2	2		2														
20.00	22.00	2			2	2		2														
22.00	24.00	2			3	2		2														
24.00	26.00	1			3																	
26.00	28.00	1			3																	
28.00	30.00	2			2	3		2	TR													
30.00	32.00	2			2	3		2	TR													
32.00	34.00	2			2	3		2	TR													
34.00	36.00	2			2	3		2	TR													
36.00	38.00	2			2	3		3	TR													
38.00	40.00	2			2	3		2	TR													
40.00	42.00	2			2	3		2	TR													
42.00	44.00	2			2	3		2	TR													
44.00	46.00	2			2	3		2	TR													
46.00	48.00				2																	
48.00	50.00	2			2	3		1	1													
50.00	52.00	2			2	3		1	1													
52.00	54.00	2			3	3		1	1													
54.00	56.00	2			3	3		1	1													
56.00	58.00	2			3	3		1	1													
58.00	60.00	2			3	3		1	1													
60.00	62.00	2			3	3		1	1													
62.00	64.00	2			3	3		1	1													
64.00	66.00	2			1	3		1	1													
66.00	68.00																					

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-322

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Sericite	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
68.00	70.00																					
70.00	72.00																					
72.00	74.00																					

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-323
Grid System : ORIGINAL
Collar Eastings : 22886.920
Collar Northings : 19843.260
Collar Elevations : 843.250
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 76.00
Claim No. :

Logged by : GREG GILSTROM
Date : -
Downhole Survey :
Drilled by : MIDNIGHT SUN DRILL
Core Size : RC

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	CASING	Casing.									
2.00	28.00	INT	Limonitic porphyritic intrusive with abundant red quartz.	022709	2.00	4.00	2.00	1750.	1239.	158.	4400.	2.0
				022710	4.00	6.00	2.00	5010.	3160.	1619.	8600.	1.1
				022711	6.00	8.00	2.00	3680.	2544.	357.	3600.	0.9
				022712	8.00	10.00	2.00	960.	913.	140.	4700.	0.5
				022713	10.00	12.00	2.00	3790.	1858.	65.	3500.	1.2
				022714	12.00	14.00	2.00	300.	252.	52.	2600.	0.4
				022715	14.00	16.00	2.00	210.	141.	30.	2300.	0.3
				022716	16.00	18.00	2.00					
				022717	18.00	20.00	2.00	250.	467.	34.	2800.	0.2
20.00	22.00		30% Black argillite.	022718	20.00	22.00	2.00	130.	154.	40.	1400.	0.2
				022719	22.00	24.00	2.00	63.	180.	33.	4400.	0.2
				022720	24.00	26.00	2.00	110.	166.	28.	2700.	0.2
				022721	26.00	28.00	2.00	57.	120.	27.	3300.	0.1
28.00	70.00	QFP	Grey/white to brown/white, pyritic, quartz feldspar porphyry.	022722	28.00	30.00	2.00	31.	166.	19.	4500.	0.3
				022723	30.00	32.00	2.00	586.	893.	34.	6800.	0.3
				022724	32.00	34.00	2.00	520.	871.	29.	6200.	0.5
				022725	34.00	36.00	2.00	350.	888.	28.	4800.	0.3
				022726	36.00	38.00	2.00	840.	2211.	30.	3800.	0.4
				022727	38.00	40.00	2.00	110.	493.	36.	8600.	0.4
				022728	40.00	42.00	2.00	13.	301.	32.	4300.	0.4
				022729	42.00	44.00	2.00	5420.	3033.	35.	3100.	1.0
				022730	44.00	46.00	2.00	310.	344.	25.	2200.	0.4
46.00	48.00		10% Black argillite.	022731	46.00	48.00	2.00	92.	251.	27.	1400.	0.5
				022732	48.00	50.00	2.00	66.	75.	18.	1100.	0.4
				022733	50.00	52.00	2.00	63.	110.	17.	1800.	0.2
52.00	70.00		10% Grey quartz feldspar porphyry with abundant disseminated pyrite.	022734	52.00	54.00	2.00	12.	162.	15.	2600.	0.2
				022735	54.00	56.00	2.00	13.	95.	14.	3500.	0.1
				022736	56.00	58.00	2.00	39.	78.	14.	2800.	0.1
				022737	58.00	60.00	2.00	9.	39.	10.	2600.	0.2
				022738	60.00	62.00	2.00	22.	21.	17.	480.	0.3
				022739	62.00	64.00	2.00	9.	27.	9.	430.	0.2
				022740	64.00	66.00	2.00	13.	65.	12.	1100.	0.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-323

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				022741	66.00	68.00	2.00	1560.	1800.	22.	4300.	0.4
				022742	68.00	70.00	2.00	3470.	3952.	45.	6800.	0.9
70.00	76.00	ARG	Black argillite.	022743	70.00	72.00	2.00	840.	1728.	94.	4600.	1.0
				022744	72.00	74.00	2.00	110.	185.	21.	2700.	1.6
				022745	74.00	76.00	2.00	45.	107.	12.	840.	0.4

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-323
Grid System : ORIGINAL
Collar Eastings : 22886.920
Collar Northings : 19843.260
Collar Elevations : 843.250
Collar Bearing : 999.99
Grid Baseline : 66.00

Collar Inclination : -90.00
Grid Bearing : 156.00
Final Depth : 76.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN DRILL
Core Size : RC

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sr %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
2.00	4.00	2				3	3	2														
4.00	6.00	2			1	3	3	2														
6.00	8.00	2			1	3	3	2														
8.00	10.00	2			2	3	1	2														
10.00	12.00	2			2	3	1	2														
12.00	14.00	2			2	3	1	2														
14.00	16.00	2			2	3	1	2														
16.00	18.00	2			2	3	1	2														
18.00	20.00	2			2	3	1	2														
20.00	22.00	2			2	2	1	2														
22.00	24.00	2			2	2	1	2														
24.00	26.00	2			2	2	1	2														
26.00	28.00	2			2	2	1	2														
28.00	30.00	2			2	2		1	TR													
30.00	32.00	2			2	2		1	TR													
32.00	34.00	2			2	2		1	TR													
34.00	36.00	2			2	2		1	TR													
36.00	38.00	2			2	2		1	TR													
38.00	40.00	2			2	2		1	TR													
40.00	42.00	2			2	2		1	TR													
42.00	44.00	2			2	2		1	TR													
44.00	46.00	2			2	2		1	TR													
46.00	48.00	2			2	2		1	TR													
48.00	50.00	2			2	3		1	TR													
50.00	52.00	2			2	3		1	TR													
52.00	54.00	1			2	3		1														
54.00	56.00	1			2	3		1	1													
56.00	58.00	1			2	3		1	1													
58.00	60.00	1			2	3		1	1													
60.00	62.00	1			2	3		1	1													
62.00	64.00	1			2	3		1	1													
64.00	66.00	1			2	3		1	1													
66.00	68.00	1			2	3		1	1													
68.00	70.00	1			2	3		1	1													
70.00	72.00																					

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCRC 90-323

GEOCHEMICAL SAMPLES												GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %		FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
72.00	74.00																						
74.00	76.00																						

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90B-2
Grid System : ORIGINAL
Collar Eastings : 18448.600
Collar Northings : 20408.700
Collar Elevations : 846.100
Collar Bearing : 187.62
Grid Baseline : 64.00

Collar Inclination : -15.64
Grid Bearing : 154.00
Final Depth : 216.00
Claim No. :

Logged by : N. TEMPELMAN-KLUIT
Date : -
Downhole Survey :
Drilled By : CARON
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	25.00	INT	Limonitic porphyritic intrusive, hard brown silicified matrix, abundant white clay altered phenocrysts. Abundant beige biotite, high limonite content.	124326	0.00	3.00	3.00	7.	137.	24.	1600.	0.3
				124327	3.00	6.00	3.00	6.	219.	38.	2100.	0.3
				124328	6.00	9.00	3.00	25.	173.	17.	1100.	0.3
				124329	9.00	12.00	3.00	10.	195.	27.	1050.	0.2
				124330	12.00	15.00	3.00	11.	113.	31.	1100.	0.1
				124331	15.00	18.00	3.00	9.	330.	19.	1200.	0.2
				124332	18.00	21.00	3.00	7.	55.	14.	1100.	0.1
				124333	21.00	24.00	3.00	8.	36.	18.	900.	0.2
				124334	24.00	27.00	3.00	21.	182.	25.	2000.	0.1
25.00	33.00	ARG	Black graphitic argillite.	124335	27.00	30.00	3.00	10.	176.	39.	2800.	0.8
				124336	30.00	33.00	3.00	3.	34.	23.	1100.	0.5
33.00	45.00	INT	Limonitic porphyritic intrusive, hard brown silicifies matrix, abundant white clay altered phenocrysts. Abundant beige biotite, high limonite content.	124337	33.00	36.00	3.00	3.	28.	30.	960.	0.4
36.00	45.00		Increase in limonite content. Argillite over-rides intrusive.	124338	36.00	39.00	3.00	11.	58.	29.	2900.	1.4
				124339	39.00	42.00	3.00	4.	50.	34.	2800.	0.3
				124340	42.00	45.00	3.00	17.	116.	77.	4600.	0.4
45.00	72.00	ARG	Fractured black argillite.	124341	45.00	48.00	3.00	7.	74.	48.	1600.	0.2
				124342	48.00	51.00	3.00	6.	57.	40.	1100.	0.1
				124343	51.00	54.00	3.00	4.	39.	24.	880.	0.1
				124344	54.00	57.00	3.00	4.	27.	17.	650.	0.3
				124345	57.00	60.00	3.00	7.	64.	31.	1200.	0.2
				124346	60.00	63.00	3.00	15.	90.	66.	4000.	1.1
				124347	63.00	66.00	3.00	16.	116.	89.	4300.	0.8
				124348	66.00	69.00	3.00	11.	118.	76.	3800.	0.6
				124349	69.00	72.00	3.00	77.	207.	119.	4600.	0.7
72.00	90.00	OVERB	Overburden with clasts of intrusive, rusty sediments and argillite.	124350	72.00	75.00	3.00	250.	404.	177.	4500.	1.5
				124351	75.00	78.00	3.00	57.	138.	160.	2200.	0.4
				124352	78.00	81.00	3.00	36.	81.	28.	1300.	0.2
				124353	81.00	84.00	3.00	46.	121.	53.	2900.	0.7

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90B-2

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				124354	84.00	87.00	3.00	93.	144.	40.	2900.	0.6
				124355	87.00	90.00	3.00	32.	169.	130.	2200.	0.5
90.00	111.00	CHERTB	Chert breccia with minor soft grey shale. Abundant quartz veining.	124356	90.00	93.00	3.00	53.	435.	94.	1600.	0.3
				124357	93.00	96.00	3.00	33.	161.	109.	1300.	0.2
				124358	96.00	99.00	3.00	136.	121.	273.	1400.	0.4
				124359	99.00	102.00	3.00	630.	292.	510.	1500.	0.4
				124360	102.00	105.00	3.00	650.	215.	248.	1400.	0.6
				124361	105.00	108.00	3.00	420.	234.	117.	1800.	0.6
				124362	108.00	111.00	3.00	700.	291.	131.	1800.	0.7
111.00	177.00	OVERB	Overburden clasts of chert-breccia, shale and argillite.									
177.00	189.00	SHALE	Grey shale and minor black sandstone.	124363	177.00	180.00	3.00	5160.	696.	4404.	1600.	2.2
			Note: at 182 m; 30 cm quartz and stibnite vein.	124364	180.00	183.00	3.00	470.	693.	16883.	1900.	7.7
				124365	183.00	186.00	3.00	3960.	1431.	2314.	1400.	5.7
				124366	186.00	189.00	3.00	4760.	2783.	1736.	2800.	2.4
189.00	195.00	INT	Rusty limonitic porphyritic intrusive.	124367	189.00	192.00	3.00	1760.	2164.	1446.	2400.	1.9
			High argillic and phyllic alteration. Abundant manganese oxide and limonite. Quartz stockwork and minor quartz veining.	124368	192.00	195.00	3.00	1120.	2411.	2973.	2700.	8.3
195.00	216.00	SST	Well bedded rusty black silt and sandstone. Abundant quartz veining. Sections of minor soft shale.	124369	195.00	198.00	3.00	280.	1443.	268.	600.	0.4
				124370	198.00	201.00	3.00	2990.	3066.	174.	720.	0.6
				124371	201.00	204.00	3.00	85.	920.	200.	360.	0.2
				124372	204.00	207.00	3.00	93.	764.	209.	340.	0.3
				124373	207.00	210.00	3.00	124.	732.	156.	450.	0.1
				124374	210.00	213.00	3.00	82.	812.	147.	430.	0.3
				124375	213.00	216.00	3.00	32.	884.	139.	420.	0.2

MORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90B-2
Grid System : ORIGINAL
Collar Eastings : 18448.600
Collar Northings : 20408.700
Collar Elevations : 846.100
Collar Bearing : 187.62
Grid Baseline : 64.00

Collar Inclination : -15.64
Grid Bearing : 154.00
Final Depth : 216.00
Claim No. :

Logged by : M. TEMPELMAN-KLUIT
Date : -
Downhole Survey :
Drilled By : CARON
Core Size :

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	GEOTECHNICAL SAMPLES Reco-very %	Lim %	Break-age	Si %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
0.00	3.00	1	2				1.5	5-10	1														
3.00	6.00																						
6.00	9.00																						
9.00	12.00																						
12.00	15.00																						
15.00	18.00																						
18.00	21.00																						
21.00	24.00																						
24.00	27.00																						
27.00	30.00																						
30.00	33.00																						
33.00	36.00																						
36.00	39.00																						
39.00	42.00																						
42.00	45.00																						
45.00	48.00																						
48.00	51.00																						
51.00	54.00																						
54.00	57.00																						
57.00	60.00																						
60.00	63.00																						
63.00	66.00																						
66.00	69.00																						
69.00	72.00																						
72.00	75.00																						
75.00	78.00																						
78.00	81.00																						
81.00	84.00																						
84.00	87.00																						
87.00	90.00																						
90.00	93.00																						
93.00	96.00																						
96.00	99.00																						

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90B-2

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sr %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
99.00	102.00																					
102.00	105.00																					
105.00	108.00																					
108.00	111.00																					
177.00	180.00																					
180.00	183.00																					
183.00	186.00																					
186.00	189.00	2	2				2.5	10-15	1.5													
189.00	192.00																					
192.00	195.00																					
195.00	198.00																					
198.00	201.00																					
201.00	204.00																					
204.00	207.00																					
207.00	210.00																					
210.00	213.00																					
213.00	216.00																					

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90B-3
Grid System : ORIGINAL
Collar Eastings : 18770.900
Collar Northings : 20367.340
Collar Elevations : 826.560
Collar Bearing : 178.38
Grid Baseline : 64.00

Collar Inclination : -17.03
Grid Bearing : 154.00
Final Depth : 117.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	5.00	ARG	Black graphitic argillite, white quartz	140301	0.00	3.00	3.00	125.	80.	75.	2800.	0.8
			veining, coarse quartz veining at contact	140302	3.00	6.00	3.00	850.	683.	221.	1200.	0.4
			with intrusive.									
5.00	75.00	INT	Limonitic porphyritic intrusive. White									
			clay altered feldspar phenos. Mild phyl-									
			lic alteration.									
5.00	9.00		Minor quartz stockwork.	140303	6.00	9.00	3.00	300.	676.	247.	1100.	0.2
9.00	29.00		Increase in bleached biotite and limonite.	140304	9.00	12.00	3.00	1480.	1777.	581.	1400.	0.5
				140305	12.00	15.00	3.00	920.	1886.	271.	1700.	0.6
				140306	15.00	18.00	3.00	95.	567.	139.	2000.	0.2
				140307	18.00	21.00	3.00	710.	2512.	116.	1300.	0.5
				140308	21.00	24.00	3.00	147.	973.	164.	1100.	0.1
				140309	24.00	27.00	3.00	32.	516.	73.	1300.	0.1
				140310	27.00	30.00	3.00	54.	489.	76.	1000.	0.1
29.00	75.00		Change in matrix color to purple brown,	140311	30.00	33.00	3.00	108.	392.	101.	900.	0.1
			decrease in feldspar alteration. Increase	140312	33.00	36.00	3.00	540.	1246.	125.	1200.	1.0
			in silicification of matrix. Abundant	140313	36.00	39.00	3.00	62.	537.	89.	1000.	0.1
			bleached biotite.	140314	39.00	42.00	3.00	90.	564.	110.	810.	0.1
				140315	42.00	45.00	3.00	20.	396.	46.	1000.	0.1
				140316	45.00	48.00	3.00	270.	777.	53.	620.	0.2
				140317	48.00	51.00	3.00	101.	746.	49.	810.	0.1
				140318	51.00	54.00	3.00	171.	766.	58.	1000.	0.1
				140319	54.00	57.00	3.00	83.	412.	56.	1100.	0.2
				140320	57.00	60.00	3.00	78.	837.	64.	800.	0.1
				140321	60.00	63.00	3.00	186.	921.	59.	1100.	0.2
				140322	63.00	66.00	3.00	87.	457.	72.	630.	0.1
				140323	66.00	69.00	3.00	93.	417.	56.	740.	0.1
				140324	69.00	72.00	3.00	67.	396.	43.	1200.	0.1
				140325	72.00	75.00	3.00	153.	1095.	52.	1300.	0.1
75.00	84.00	ARG	Black fractured argillite.	140326	75.00	78.00	3.00	51.	118.	82.	1300.	0.3
				140327	78.00	81.00	3.00	20.	63.	44.	1900.	0.9
				140328	81.00	84.00	3.00	28.	184.	30.	2000.	0.4
84.00	115.00	INT	Limonitic porphyritic intrusive. Minor	140329	84.00	87.00	3.00	31.	187.	37.	2300.	0.6

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMERY CREEK
HOLE No. : BCTR90B-3

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			quartz stockwork at the contact. Pink	140330	87.00	90.00	3.00	42.	131.	51.	2100.	0.2
			silicified matrix. Abundant belached	140331	90.00	93.00	3.00	50.	202.	52.	2300.	0.1
			biotite.	140332	93.00	96.00	3.00	32.	153.	37.	1400.	0.1
				140333	96.00	99.00	3.00	84.	278.	39.	1500.	0.1
				140334	99.00	102.00	3.00	136.	548.	56.	2100.	0.2
				140335	102.00	105.00	3.00	134.	455.	53.	2300.	0.3
				140336	105.00	108.00	3.00	560.	2285.	53.	1700.	0.2
				140337	108.00	111.00	3.00	151.	857.	46.	1000.	0.1
				140338	111.00	114.00	3.00	240.	1436.	44.	900.	0.2
				140339	114.00	117.00	3.00	330.	1185.	61.	1900.	0.3
115.00	117.00	ARG	Fractured graphitic argillite.									

MORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90B-3
Grid System : ORIGINAL
Collar Eastings : 18770.900
Collar Northings : 20367.340
Collar Elevations : 826.560
Collar Bearing : 178.38
Grid Baseline : 64.00

Collar Inclination : -17.03
Grid Bearing : 154.00
Final Depth : 117.00
Claim No. :

PAGE : 1

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON
Core Size :

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
0.00	3.00																					
3.00	6.00																					
6.00	9.00																					
9.00	12.00																					
12.00	15.00																					
15.00	18.00																					
18.00	21.00																					
21.00	24.00																					
24.00	27.00																					
27.00	30.00																					
30.00	33.00																					
33.00	36.00																					
36.00	39.00																					
39.00	42.00																					
42.00	45.00																					
45.00	48.00																					
48.00	51.00																					
51.00	54.00																					
54.00	57.00																					
57.00	60.00																					
60.00	63.00																					
63.00	66.00																					
66.00	69.00																					
69.00	72.00																					
72.00	75.00																					
75.00	78.00																					
78.00	81.00																					
81.00	84.00																					
84.00	87.00																					
87.00	90.00																					
90.00	93.00																					
93.00	96.00																					

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90B-3

GEOCHEMICAL SAMPLES												GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %		FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
96.00	99.00																						
99.00	102.00																						
102.00	105.00																						
105.00	108.00																						
108.00	111.00																						
111.00	114.00																						
114.00	117.00																						

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90B-4
Grid System : ORIGINAL
Collar Eastings : 18832.500
Collar Northings : 20462.300
Collar Elevations : 856.200
Collar Bearing : 178.36
Grid Baseline : 66.00

Collar Inclination : -18.92
Grid Bearing : 156.00
Final Depth : 39.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	2.00	ARG	Black argillite.	140356	0.00	3.00	3.00	133.	126.	393.	2500.	2.3
2.00	27.00	CHERT	Highly altered chert breccia with arg-	140357	3.00	6.00	3.00	610.	85.	381.	1300.	2.5
			illite clasts. Abundant quartz stock-	140358	6.00	9.00	3.00	260.	222.	712.	6100.	10.4
			work veining and vuggs.	140359	9.00	12.00	3.00	2480.	1077.	784.	3200.	5.2
			Note: at 12 m; increase in quartz stock-	140360	12.00	15.00	3.00	2160.	1538.	1150.	2000.	2.7
			work and veining.	140361	15.00	18.00	3.00	2250.	1643.	11273.	2400.	4.0
16.00	18.00		Stibnite vein.	140362	18.00	21.00	3.00	1380.	1483.	3162.	2300.	2.4
				140363	21.00	24.00	3.00	4840.	3950.	4603.	4400.	7.8
23.00	27.00		Rusty, limonitic contact zone. Rusty	140364	24.00	27.00	3.00	6960.	6370.	8945.	6100.	9.4
			altered chert and argillite.									
27.00	31.00	ARG	Black graphitic argillite.	140365	27.00	30.00	3.00	510.	1363.	1060.	5600.	3.9
				140366	30.00	33.00	3.00	1300.	1088.	176.	4500.	1.1
31.00	37.00	TUFF	Light brown tuff. Very porous, mild	140367	33.00	36.00	3.00	440.	344.	90.	2600.	0.7
			phyllic alteration.	140368	36.00	39.00	3.00	220.	202.	120.	3900.	1.6
37.00	39.00	ARG	Black graphititc argillite.									

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90B-4
Grid System : ORIGINAL
Collar Eastings : 18832.500
Collar Northings : 20462.300
Collar Elevations : 856.200
Collar Bearing : 178.36
Grid Baseline : 66.00

Collar Inclination : -18.92
Grid Bearing : 156.00
Final Depth : 39.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON
Core Size :

GEOCHEMICAL SAMPLES												GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %		FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
0.00	3.00																						
3.00	6.00																						
6.00	9.00																						
9.00	12.00																						
12.00	15.00																						
15.00	18.00																						
18.00	21.00																						
21.00	24.00																						
24.00	27.00																						
27.00	30.00																						
30.00	33.00																						
33.00	36.00																						
36.00	39.00																						

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90C-3
Grid System : ORIGINAL
Collar Eastings : 19545.500
Collar Northings : 20188.800
Collar Elevations : 851.440
Collar Bearing : 180.86
Grid Baseline : 66.00

Collar Inclination : -0.10
Grid Bearing : 156.00
Final Depth : 342.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	1.50	arg	argillite, minor qtz stockwork	R2251	0.00	3.00	3.00	11.	96.	48.	2100.	0.8
1.50	15.00	int										
1.50	10.50	int	Strongly oxidized intrusive, large qtz eyes up to 1 cm.	R2252	3.00	6.00	3.00	17.	72.	67.	1400.	0.9
				R2253	6.00	9.00	3.00	19.	68.	49.	620.	0.5
				R2254	9.00	12.00	3.00	49.	115.	104.	3700.	1.3
10.50	12.00	int	Light, greyish green bleached intrusive with very fine grained sericite alteration									
12.00	15.00	int	Porphyritic, bleached intrusive - rafts of argillite in the trench wall.	R2255	12.00	15.00	3.00	34.	127.	123.	5400.	1.2
15.00	24.00	arg	Strongly weathered argillite, minor qtz stockwork. Contact between argillite and rusty intrusive in trench wall dipping 5 degrees south.	R2256	15.00	18.00	3.00	240.	353.	418.	7300.	3.5
				R2257	18.00	21.00	3.00	129.	414.	634.	3500.	4.2
				R2258	21.00	24.00	3.00	225.	385.	472.	5100.	4.1
24.00	55.50	int										
24.00	36.00	int	Intensely oxidized intrusive. Generally soil-like with small fragments. Hairline qtz stockwork.	R2259	24.00	27.00	3.00	1280.	1960.	667.	4800.	2.6
				R2260	27.00	30.00	3.00	920.	2186.	920.	3900.	2.0
				R2261	30.00	33.00	3.00	2130.	2589.	1705.	5400.	3.1
				R2262	33.00	36.00	3.00	1380.	2767.	2356.	4500.	2.8
36.00	46.50	int	Bleached, light greyish green porphyritic intrusive. 3-5% bleached biotite.	R2263	36.00	39.00	3.00	1030.	1765.	908.	3300.	3.7
				R2264	39.00	42.00	3.00	116.	824.	965.	2800.	1.0
				R2265	42.00	45.00	3.00	395.	1283.	1494.	2600.	0.9
				R2266	45.00	48.00	3.00	1220.	1742.	1183.	4300.	2.0
46.50	55.50	int	Light greenish grey fine grained bleached intrusive; porphyritic texture almost destroyed. Minor to coarse qtz stockwork up to 1 cm wide veinlets.	R2267	48.00	51.00	3.00	1460.	3122.	822.	5500.	2.4
				R2268	51.00	54.00	3.00	4330.	9330.	1513.	9200.	2.8
				R2269	54.00	57.00	3.00	3230.	4084.	782.	9700.	3.0
55.50	60.00	arg	Shattered gritty argillite, very graphitic Intrusive above argillite dips 5 degrees south & contains qtz stockwork.	R2270	57.00	60.00	3.00	2820.	2785.	528.	3900.	1.6
60.00	64.50	int	Light greyish green porphyritic intrusive	R2271	60.00	63.00	3.00	2380.	5669.	633.	4500.	1.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90C-3

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			with hairline qtz stockwork. Very limonitic.	R2272	63.00	66.00	3.00	2320.	1761.	545.	3800.	1.3
64.50	78.00	arg	Argillite with intense qtz stockwork.	R2273	66.00	69.00	3.00	275.	693.	343.	1500.	0.4
			Intrusive above is horizontal.	R2274	69.00	72.00	3.00	95.	662.	700.	2800.	0.3
				R2275	72.00	75.00	3.00	131.	666.	653.	1600.	0.3
				R2276	75.00	78.00	3.00	84.	312.	206.	1100.	0.6
78.00	93.00	int	Light grey to brown bleached intrusive.	R2277	78.00	81.00	3.00	87.	158.	118.	780.	0.4
			Porphyritic with very little limonite.	R2278	81.00	84.00	3.00	680.	1196.	885.	2900.	0.3
			Spotty stockwork.	R2279	84.00	87.00	3.00	800.	1048.	566.	4200.	0.5
				R2280	87.00	90.00	3.00	475.	611.	382.	2900.	0.4
				R2281	90.00	93.00	3.00	620.	1266.	397.	2500.	0.8
93.00	94.50	arg	Argillite with intense qtz stockwork & 1-2% phyllite.	R2282	93.00	96.00	3.00	69.	391.	2171.	1200.	1.1
94.50	120.00	int										
94.50	102.00		Light greyish green bleached porphyritic	R2283	96.00	99.00	3.00	560.	2069.	642.	2600.	0.9
			intrusive with qtz stokwork veins. Light	R2284	99.00	102.00	3.00	880.	1247.	32808.	2200.	1.8
			green sericite and apple green clay mineral. Minor stibnite pods.									
102.00	105.00		Absence of qtz stockwork.	R2285	102.00	105.00	3.00	235.	955.	2965.	2300.	0.4
105.00	108.00		Porphyritic texture almost destroyed.	R2286	105.00	108.00	3.00	280.	1033.	3009.	2100.	0.9
			Intense qtz stockwork and pods of stibnite	R2287	108.00	111.00	3.00	124.	1280.	1936.	1100.	0.4
				R2288	111.00	114.00	3.00	169.	168.	32978.	1500.	1.1
112.50	114.00		Intense silicification; qtz stockwork; large pods of stibnite in the wall.									
114.00	120.00		As in line 1.	R2289	114.00	117.00	3.00	220.	663.	697.	1800.	0.3
				R2290	117.00	120.00	3.00	240.	945.	935.	3300.	0.4
120.00	342.00	int										
120.00	127.50		Pinkish brown porphyritic intrusive, 5-7%	R2291	120.00	123.00	3.00	123.	1218.	935.	1600.	0.4
			limonite with 3-5% remnant biotite.	R2292	123.00	126.00	3.00	240.	1241.	500.	3200.	0.4
				R2293	126.00	129.00	3.00	270.	1151.	543.	2100.	0.5
127.50	130.50		Light greyish green bleached porphyritic intrusive. Common sericite & apple green clay mineral.	R2294	129.00	132.00	3.00	111.	638.	245.	1700.	0.4
130.50	178.00		Dark pinkish brown porphyritic intrusive.	R2295	132.00	135.00	3.00	310.	792.	707.	1400.	0.5
			3-5% remnant biotite with manganese,	R2296	135.00	138.00	3.00	125.	877.	370.	1500.	0.5
			hematite and limonite staining.	R2297	138.00	141.00	3.00	1290.	1743.	1175.	2500.	0.7

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90C-3

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			Large feldspar phenocrysts, euhedral but clay altered.	R2298	141.00	144.00	3.00	350.	1372.	1099.	3300.	0.5
				R2299	144.00	147.00	3.00	210.	826.	1075.	1580.	0.4
				R2300	147.00	150.00	3.00	89.	509.	309.	1700.	0.4
				R2301	150.00	153.00	3.00	67.	411.	352.	1500.	0.3
				R2302	153.00	156.00	3.00	146.	503.	481.	1300.	0.5
				R2303	156.00	159.00	3.00	270.	684.	495.	1400.	0.4
				R2304	159.00	162.00	3.00	107.	362.	400.	1200.	0.3
				R2305	162.00	165.00	3.00	170.	684.	24550.	2200.	0.2
				R2306	165.00	168.00	3.00	530.	1194.	1346.	5400.	0.4
				R2307	168.00	171.00	3.00	155.	1002.	525.	3400.	0.4
				R2308	171.00	174.00	3.00	157.	932.	544.	2500.	0.4
				R2309	174.00	177.00	3.00	250.	961.	394.	3400.	0.2
				R2310	177.00	180.00	3.00	64.	729.	387.	1500.	0.2
178.00	183.00		Less porphyritic with no remnant biotite	R2311	180.00	183.00	3.00	380.	1067.	720.	3800.	0.6
183.00	192.00		Fragment of fine grained, ligh grey	R2312	183.00	186.00	3.00	93.	721.	1203.	3100.	0.4
			intrusive. Apple-green sericite; trace	R2313	186.00	189.00	3.00	560.	1414.	1688.	3200.	0.6
			to 1% pyrite.	R2314	189.00	192.00	3.00	320.	1399.	814.	2000.	0.3
192.00	195.00		Fragments of light greyish-green bleached	R2315	192.00	195.00	3.00	440.	1445.	357.	1800.	0.5
			intrusive, minor stibnite and quartz	R2316	195.00	198.00	3.00	280.	1311.	388.	1500.	0.5
			stockwork. Less porphyritic, absence of	R2317	198.00	201.00	3.00	350.	1085.	233.	1400.	0.5
			bleached biotite.	R2318	201.00	204.00	3.00	118.	1071.	164.	1500.	0.3
				R2319	204.00	207.00	3.00	120.	695.	226.	730.	0.4
				R2320	207.00	210.00	3.00	310.	1200.	253.	1100.	0.4
				R2321	210.00	213.00	3.00	240.	1114.	244.	850.	0.3
212.00	240.00		Intrusive more quartz rich (more quartz	R2322	213.00	216.00	3.00	250.	880.	282.	780.	0.3
			eyes). Less porphyritic, lacks remnant	R2323	216.00	219.00	3.00	121.	934.	158.	840.	0.1
			biotite.	R2324	219.00	222.00	3.00	118.	1126.	138.	1600.	0.2
				R2325	222.00	225.00	3.00	290.	842.	127.	3200.	0.2
				R2326	225.00	228.00	3.00	42.	260.	82.	1200.	0.2
				R2327	228.00	231.00	3.00	320.	858.	812.	2400.	0.4
				R2328	231.00	234.00	3.00	220.	879.	515.	1300.	0.2
				R2329	234.00	237.00	3.00	440.	1734.	868.	1900.	2.0
				R2330	237.00	240.00	3.00	330.	860.	582.	480.	0.3
240.00	243.00		Weakly altered, pinkish-brown intrusive	R2331	240.00	243.00	3.00	168.	647.	245.	420.	0.3
			with 3-5% black biotite.	R2332	243.00	246.00	3.00	460.	1447.	552.	1800.	0.5
246.00	249.00		White chalcedonic quartz veinlets up to	R2333	246.00	249.00	3.00	107.	402.	234.	1300.	0.3
			1 cm in width and hairline stockwork.	R2334	249.00	252.00	3.00	56.	249.	68.	580.	0.2
			Rock less porphyritic.	R2335	252.00	255.00	3.00	310.	1717.	431.	1500.	0.3
				R2336	255.00	258.00	3.00	138.	908.	66.	820.	0.2
258.00	261.00		Intrusive is more competant (blocky),	R2337	258.00	261.00	3.00	136.	420.	104.	1300.	0.4
			more porphyritic, large clay altered	R2338	261.00	264.00	3.00	134.	610.	84.	1100.	0.5

DIAMOND DRILL LOG

PROPERTY : BREMERY CREEK
HOLE No. : BCTR90C-3

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			feldspar phenocrysts. Very calcareous.	R2339	264.00	267.00	3.00	260.	957.	178.	1200.	0.3
			Sporatic sections of light bluish grey	R2340	267.00	270.00	3.00	580.	1090.	157.	1900.	0.6
			bleached intrusive with 1-2% pyrite and	R2341	270.00	273.00	3.00	260.	1195.	289.	1100.	0.5
			arsenopyrite. Apple-green sericite.									
272.00	274.00		Fresh medium grey porphyritic intrusive	R2342	273.00	276.00	3.00	154.	366.	8173.	860.	2.4
			weakly calcareous. 3-5% black biotite.									
274.00	275.00		Stibnite vein 2cm in width. Orientation	R2343	276.00	279.00	3.00	137.	502.	828.	880.	0.3
			of 140/60.	R2344	279.00	282.00	3.00	78.	611.	285.	1200.	0.2
				R2345	282.00	285.00	3.00	31.	251.	230.	1300.	0.1
				R2346	285.00	288.00	3.00	49.	458.	248.	1100.	0.2
				R2347	288.00	291.00	3.00	67.	426.	240.	1400.	0.2
				R2348	291.00	294.00	3.00	46.	225.	268.	1200.	0.3
				R2349	294.00	297.00	3.00	29.	280.	250.	1100.	0.1
				R2350	297.00	300.00	3.00	30.	181.	183.	300.	0.1
				R2351	300.00	306.00	6.00	22.	113.	137.	420.	0.2
				R2352	306.00	309.00	3.00	46.	406.	197.	450.	0.2
				R2353	309.00	312.00	3.00	56.	676.	421.	480.	0.4
				R2354	312.00	315.00	3.00	62.	1106.	557.	550.	0.2
				R2355	315.00	318.00	3.00	220.	1085.	492.	1100.	0.3
				R2356	318.00	321.00	3.00	149.	575.	467.	1400.	1.0
321.00	324.00		Light orange brown, porphyritic intrusive.	R2357	321.00	324.00	3.00	133.	725.	727.	1900.	1.1
			Strong argillic alteration, large feldspar	R2358	324.00	327.00	3.00	73.	688.	1051.	1100.	0.4
			phenocrysts altered to clay (porous). Non-									
			calcareous.									
327.00	330.00		Minor quartz stockwork and stibnite	R2359	327.00	330.00	3.00	115.	674.	19302.	1300.	0.9
			veining.									
330.00	331.50		Hairline quartz stockwork, minor stibnite	R2360	330.00	333.00	3.00	70.	1523.	1310.	1400.	0.4
			veins.	R2361	333.00	336.00	3.00	290.	1810.	1688.	1600.	0.3
				R2362	336.00	339.00	3.00	550.	999.	36696.	3800.	0.7
339.00	342.00		Stibnite vein in wall of trench; attitude	R2363	339.00	342.00	3.00	530.	2048.	1038.	100.	0.7
			of 140/5w. Trace of quartz stockwork.									

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90C-3
Grid System : ORIGINAL
Collar Eastings : 19545.500
Collar Northings : 20188.800
Collar Elevations : 851.440
Collar Bearing : 180.86
Grid Baseline : 66.00

Collar Inclination : -0.10
Grid Bearing : 156.00
Final Depth : 342.00
Claim No. :

Logged by : RICK DIMENT
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
1.50	10.50	3	1				3	3															
10.50	12.00	3.5	1				4	1															
12.00	15.00	3	1				3	1															
15.00	24.00	3	2					1															
24.00	36.00	3	2				3	7															
36.00	46.50	3	1				3	4															
46.50	55.50	3	2.5				3.5	5															
55.50	60.00	3	2																				
60.00	64.50	3	2.5				3.5	6															
64.50	78.00	3	3					1.5															

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90C-3

FROM	TO	Arg	Sil	Serc	GEOCHEMICAL SAMPLES Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
78.00	93.00	3	2				3	3		
93.00	94.50		4				3.5	1.5		
94.50	120.00	3	2				3.5	1		
120.00	127.50	2.5	1				2.5	3-5		
127.50	130.50	3.5	2				3.5	1		
130.50	192.00	2.5	1				3	3-5		

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90C-3

GEOCHEMICAL SAMPLES										GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
192.00	195.00	3.5	2.5				3.5	1-2													
195.00	210.00	2.5	1				3	3-5													
210.00	231.00	2.5	1		2		3	1													
231.00	240.00	2.5	1		3		3	1													
240.00	243.00	1	1		3		2	1													
243.00	246.00	2.5	1		3		3	3-5													
246.00	249.00	2.5	2.5		3		3	2													
249.00	273.00																				
273.00	276.00	2	1		1		1	1													
276.00	321.00	2.5	1		3		3	3-5													

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90C-3

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
321.00	333.00	2.5	1				3	3-5														
333.00	342.00	2.5	2				3	5-7														

MORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90C-4
Grid System : ORIGINAL
Collar Eastings : 19678.780
Collar Northings : 20192.410
Collar Elevations : 869.180
Collar Bearing : 186.92
Grid Baseline : 66.00

Collar Inclination : -9.89
Grid Bearing : 156.00
Final Depth : 407.69
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	13.00	arg	Dark black shattered graphitic argillite.	R2376	0.00	12.00	12.00	17.	107.	125.	2500.	1.8
			Minor fragments of baritic chert.	R2377	12.00	15.00	3.00	5.	91.	33.	2800.	0.4
13.00	21.00	int	Limonitic, porphyritic intrusive, 1-2%	R2378	15.00	18.00	3.00	5.	43.	43.	1700.	1.0
			bleached, remnant biotite.	R2379	18.00	21.00	3.00	6.	64.	87.	330.	0.2
			(Graphitic argillite on left side of from 13-18m.)									
21.00	30.00	arg	Shattered graphitic argillite in floor of	R2380	21.00	24.00	3.00	8.	47.	60.	1100.	0.7
			trench. Limonitic intrusive in trench	R2381	24.00	27.00	3.00	7.	44.	70.	780.	0.8
			walls overlying argillite.	R2382	27.00	30.00	3.00	7.	52.	46.	1200.	1.8
			Contact follows topography - 5 degree slope.									
30.00	39.00	int	Limonitic porphyritic intrusive. 1-2%	R2383	30.00	33.00	3.00	4.	38.	62.	360.	0.1
			bleached biotite. Qtz eyes up to 5mm	R2384	33.00	36.00	3.00	4.	33.	46.	400.	0.2
			in diameter.	R2385	36.00	39.00	3.00	3.	37.	48.	820.	0.4
39.00	51.00	arg	Shattered graphitic argillite. Qtz	R2386	39.00	51.00	12.00	5.	17.	37.	1800.	1.8
			stockwork in argillite chips.									
51.00	68.00	int	Limonitic, porphyritic intrusive with 1-2%	R2387	51.00	54.00	3.00	12.	52.	157.	2800.	1.3
			remnant bleached biotite.									
53.00	55.00		Quartz eyes present for 2m;	R2388	54.00	57.00	3.00	3.	43.	62.	2100.	0.6
			Shattered graphitic argillite with qtz	R2389	57.00	60.00	3.00	7.	29.	33.	1050.	0.4
			stockwork on the west side of the trench.	R2390	60.00	63.00	3.00	7.	29.	42.	880.	0.3
				R2391	63.00	66.00	3.00	8.	38.	78.	1600.	0.1
				R2392	66.00	69.00	3.00	110.	201.	89.	2600.	0.9
68.00	139.00	arg										
68.00	85.00		Graphitic argillite with spotty quartz	R2393	69.00	72.00	3.00	41.	50.	120.	3400.	2.3
			stockwork in chips. Rock is fractured to shattered.									
85.00	85.50		Small silicified fault zone with slicken	R2394	85.00	85.50	0.50	62.	142.	179.	1500.	1.6
			sides and flat fault surfaces. Blue grey									

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90C-4

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			in colour (bleached) in the argillite. orientation 070/80 S.									
130.00	138.00		Road.									
139.00	146.00	Int	Intrusive/argillite contact. Orientation 145/shallow NE from 139-142m.	R2401	139.00	142.00	3.00	4320.	3594.	309.	1400.	0.8
				R2402	142.00	145.00	3.00	4620.	3745.	1670.	1800.	1.4
			Bleached Silicious porphyritic intrusive, remnant biotite 1-2%. Unit is fairly competent with blocky fractures. Contains 1-2% apple-green sericite	R2403	145.00	148.00	3.00	1330.	622.	21284.	2400.	4.7
146.00	154.00	arg										
146.00	146.50		Stibnite vein up to 6m in diameter on east wall of trench.									
146.50	154.00		Highly fractured black argillite with minor quartz veining.	R2404	148.00	151.00	3.00	320.	231.	535.	2000.	1.3
				R2405	151.00	154.00	3.00	240.	175.	262.	2800.	0.9
154.00	180.00	int										
154.00	163.00		Bleached silicious porphyritic intrusive.	R2406	154.00	157.00	3.00	1190.	2639.	1420.	1800.	0.6
				R2407	157.00	160.00	3.00	280.	1204.	350.	780.	0.3
				R2408	160.00	163.00	3.00	1530.	3127.	1344.	1800.	0.5
163.00	166.00		Zone of extremely weathered rock (gorp).	R2409	163.00	166.00	3.00	3410.	602.	48096.	1300.	3.2
			Stibnite vein on west side of trench at	R2410	166.00	169.00	3.00	220.	1663.	812.	720.	0.4
			bottom between 165-166m -- abundant red hematite.	R2411	169.00	172.00	3.00	1180.	3526.	5223.	1300.	1.0
170.50	180.00		Rock is more competent. Evidence of	R2412	172.00	175.00	3.00	780.	2365.	1063.	730.	0.6
			stibnite - yellow oxidation mineral &	R2413	175.00	178.00	3.00	1010.	2334.	500.	1200.	0.5
			stockwork pattern.	R2414	178.00	181.00	3.00	450.	1581.	403.	1000.	0.5
180.00	183.00	arg	Flakey black argillite. Appears to be a raft.	R2415	181.00	184.00	3.00	90.	825.	205.	620.	0.3
183.00	242.00	int	Porphyritic, limonitic intrusive. 1-2% remnant biotite. Apple green sericite present. Blocky fracturing.	R2416	184.00	187.00	3.00	720.	2565.	277.	1500.	0.4
187.00	189.00		Biotite increases to 3-5% - becomes darker	R2417	187.00	190.00	3.00	240.	1211.	225.	500.	0.2
			Rock less competent.	R2418	190.00	193.00	3.00	240.	1154.	185.	1100.	0.2
				R2419	193.00	196.00	3.00	620.	2076.	765.	1200.	0.3
196.00	200.00		Limonite increases to 5-10%.	R2420	196.00	199.00	3.00	1130.	3775.	1443.	800.	0.3
				R2421	199.00	202.00	3.00	310.	1418.	456.	780.	0.2
				R2422	202.00	205.00	3.00	1150.	3077.	712.	1900.	0.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90C-4

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				R2423	205.00	208.00	3.00	1290.	2180.	7129.	1200.	0.5
				R2424	208.00	211.00	3.00	730.	2105.	450.	680.	0.2
				R2425	211.00	214.00	3.00	1890.	3458.	353.	1500.	0.5
				R120410	214.00	217.00	3.00	1630.	3201.	268.	1400.	0.4
				R2426	217.00	220.00	3.00	1460.	2534.	228.	1300.	0.5
				R2427	220.00	223.00	3.00	2030.	3273.	823.	1700.	0.9
222.00	225.00		Blue grey fault gouge? Contact between argillite and intrusive. Orientation 121/shallow NE under the fault gouge (?). The intrusive is highly fractured.	R2428	223.00	226.00	3.00	540.	2116.	353.	2100.	0.4
226.00	228.00		Shattered black argillite in the floor of the trench.	R2429	226.00	229.00	3.00	290.	1398.	200.	2300.	0.5
228.00	237.00		Slightly more porphyritic intrusive. Is silicified and contains qtz stockwork.	R2430	229.00	232.00	3.00	240.	1504.	221.	880.	0.3
				R2431	232.00	235.00	3.00	120.	1968.	504.	1300.	0.1
			Overburden is mostly argillite.	R2432	235.00	238.00	3.00	1210.	2852.	434.	2000.	0.5
			Glassy green mineral in rock. Appears to be fucsinite or sericite. Looks micaceous. Located at 229m.	R2433	238.00	241.00	3.00	350.	2230.	10320.	1800.	0.8
239.00	242.00		Gougy black argillite present in the floor of trench. Intrusive makes up walls.	R2434	241.00	244.00	3.00	1350.	2202.	949.	2100.	0.6
242.00	259.00	arg	Clay-like, shattered black argillite	R2435	244.00	250.00	6.00	10.	476.	98.	1700.	0.5
249.50	250.00		Area of more competent argillite. Appears	R2436	250.00	256.00	6.00	9.	380.	105.	1400.	0.2
			to indicate a fold structure or possibly	R2437	256.00	259.00	3.00	1610.	2411.	288.	2200.	1.2
			undulating block caught up in a raft. Orientation 183/84 SE.									
258.75	259.00		Stibnite vein marks the argillite and intrusive contact at 121/45 NE.									
259.00	337.00	int	Porphyritic weathered limonitic intrusive.	R2438	259.00	262.00	3.00	6200.	5313.	10865.	4300.	5.0
			with qtz stockwork. Some bleached less	R2439	262.00	265.00	3.00	1660.	5068.	1696.	3000.	1.3
			porphyritic zones are especially apparent	R2440	265.00	268.00	3.00	220.	2102.	5068.	2100.	0.8
			adjacent to stibnite veins. Abundant Mn	R2441	268.00	271.00	3.00	360.	1105.	1202.	2200.	0.6
			oxide. Slickensides.									
271.00	274.00		Very bleached intrusive. Argillite crops	R2442	271.00	274.00	3.00	480.	2114.	1075.	2800.	0.5
			out in east side of trench. Stockwork	R2443	274.00	277.00	3.00	330.	1296.	465.	2300.	0.5
			present.	R2444	277.00	280.00	3.00	460.	1999.	431.	2600.	0.3
				R2445	280.00	283.00	3.00	6070.	6561.	1367.	3300.	6.3
283.00	285.00		Bleached blue grey silicious porphyritic intrusive with stockwork. Slightly calcareous. (1-2% carbonate) Trace to 1%	R2446	283.00	286.00	3.00	2710.	4423.	299.	2800.	0.9

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90C-4

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			remnant biotite with brown weathering rind.									
285.00	285.50		Fresh and aphanitic intrusive contains 1-2% remnant biotite - very weathered. Quite silicious with stockwork up to 1 cm diameter at 288m.	R2447	286.00	289.00	3.00	3230.	3718.	20094.	7300.	6.0
288.00	288.25		Stibnite in east wall of trench.	R2448	289.00	292.00	3.00	760.	2358.	2184.	6500.	0.4
				R2449	292.00	295.00	3.00	990.	2423.	2768.	5400.	0.3
				R2450	295.00	298.00	3.00	950.	1981.	1882.	3200.	0.4
				R120376	298.00	301.00	3.00	1740.	1603.	4783.	2500.	2.2
300.00	300.25		Stibnite vein represents intrusive/ argillite contact. 15cm in width (true). Intrusive is intensely silicified to the north. The argillite is gouge-like. Orientation 090/41 S.	R120377	301.00	304.00	3.00	280.	822.	3521.	2300.	1.0
302.00	302.25		Arg/int contact. Orientation 104/shallow SW									
302.25	306.00		Bleached porphyritic intrusive with quartz stockwork.	R120378	304.00	307.00	3.00	220.	703.	574.	3000.	0.5
306.00	337.00		Porphyritic limonitic intrusive with trace to 1% remnant biotite. Trench is very slumped.	R120379	307.00	310.00	3.00	68.	518.	416.	4500.	0.2
				R120380	310.00	313.00	3.00	220.	836.	471.	3200.	0.3
				R120381	313.00	316.00	3.00	80.	956.	287.	3800.	0.2
				R120382	316.00	319.00	3.00	330.	2382.	531.	2400.	0.5
				R120383	319.00	322.00	3.00	420.	1914.	5719.	2000.	1.9
				R120384	322.00	325.00	3.00	250.	1648.	1670.	1600.	0.3
				R120385	325.00	328.00	3.00	640.	2237.	1394.	2900.	0.8
				R120386	328.00	331.00	3.00	240.	1462.	527.	3000.	0.2
				R120387	331.00	334.00	3.00	390.	1493.	902.	3600.	0.2
				R120388	334.00	337.00	3.00	200.	879.	341.	3300.	0.2
337.00	400.00	int	Limonitic, slightly porphyritic intrusive +-qtz stockwork. 1-2% remnant biotite.									
337.00	340.00		Gouge-like black argillite is present. Area is a seepage face. (Fault contact?)	R120389	337.00	340.00	3.00	450.	958.	801.	1800.	0.8
				R120390	340.00	343.00	3.00	820.	2518.	1293.	1050.	0.5
				R120391	343.00	346.00	3.00	1350.	3122.	888.	1800.	0.5
				R120392	346.00	349.00	3.00	2510.	2512.	29132.	2000.	1.1
347.50	348.00		Stibnite in trench walls.									
349.00	352.00		Threadlike stockwork.	R120393	349.00	352.00	3.00	1290.	1206.	36174.	2100.	0.8
352.00	373.00		Lacks stockwork.	R120394	352.00	355.00	3.00	310.	1167.	1355.	1100.	0.2
			Stibnite in floor of trench at 360m.	R120395	355.00	358.00	3.00	1580.	2109.	19546.	2800.	2.1
				R120396	358.00	361.00	3.00	6840.	4447.	5627.	3200.	1.5

PROPERTY : BREMERY CREEK
HOLE No. : BCTR90C-4

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				R120397	361.00	364.00	3.00	3010.	3161.	28270.	3000.	2.5
				R120398	364.00	367.00	3.00	2930.	2705.	7729.	2200.	1.4
				R120399	367.00	370.00	3.00	490.	1914.	24465.	1400.	2.6
				R120400	370.00	373.00	3.00	450.	2808.	2772.	1300.	0.3
373.00	376.00		Stockwork present.	R120401	373.00	376.00	3.00	650.	2400.	9850.	1700.	0.6
			Stibnite "float" in wall of trench at 374m	R120402	376.00	379.00	3.00	800.	3114.	1959.	1400.	0.4
379.00	382.00		Gorp zone. Very weathered intrusive.	R120403	379.00	382.00	3.00	1150.	3363.	2658.	1600.	0.7
382.00	392.00		Slightly shattered graphitic argillite.	R120404	382.00	385.00	3.00	1820.	816.	1164.	15600.	6.3
			Contact with intrusive is a seepage face.	R120405	385.00	388.00	3.00	340.	432.	902.	19200.	3.6
			Arg is quite gougy.	R120406	388.00	391.00	3.00	120.	296.	521.	22400.	5.3
				R120407	391.00	394.00	3.00	101.	701.	824.	7000.	3.5
392.00	400.00		Limonitic porphyritic int. Some spotty	R120408	394.00	397.00	3.00	48.	1146.	977.	2100.	0.4
			blue grey bleached zones. Remnant biotite	R120409	397.00	400.00	3.00	47.	712.	807.	1200.	0.1
			trace-1%.									

MORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90C-4
Grid System : ORIGINAL
Collar Eastings : 19678.780
Collar Northings : 20192.410
Collar Elevations : 869.180
Collar Bearing : 186.92
Grid Baseline : 66.00

Collar Inclination : -9.89
Grid Bearing : 156.00
Final Depth : 407.69
Claim No. :

Logged by : LENA BROMMELAND
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

GEOCHEMICAL SAMPLES

FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
0.00	13.00									
13.00	15.00	2	1				2.5	3-5		
15.00	21.00	2.5	1				2.5	1-2		
21.00	30.00									
30.00	39.00	2.5	2				2	3-5		
39.00	51.00									
51.00	53.00	1.5	2				2	3-5		
53.00	55.00		3					.5		
55.00	68.00	1.5					1	3-5		
68.00	138.00									
139.00	146.00	3	3				2.75	5-7	2.5	

GEOTECHNICAL SAMPLES

FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90C-4

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
146.00	154.00		1						1													
154.00	180.00	3.25	3				2.5-3	5-10														
180.00	183.00																					
183.00	187.00	2					1.5	3-5														
187.00	189.00	2.5					1.5	3-5														
189.00	196.00	2	1.5				1.5	3-5														
196.00	200.00	2					1.5	5-10														
200.00	226.00	2	1.5				1.5	3-5														
226.00	228.00																					

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90C-4

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
228.00	259.00	2.5	2.5			3	3-5	1.5														
259.00	277.00	3	3			3	5-7	3														
283.00	285.00	1.5	2.5		3	3	3-5															
285.00	302.00	1.5	2		2	2.5	3-5	2														

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
302.00	306.00	2	2.5		1	2.5	3-5	3														
306.00	337.00	2	2		.5	1.5	3-5															
337.00	340.00																					
340.00	346.00	2.5	2.5			2.5	5-7	2.5														
346.00	352.00	2	2.5			2	3-5	2														
352.00	373.00	2	2.5			2	3-5															
373.00	376.00	2	2.5			2	3-5	2.5														
376.00	382.00	2	2.5			2	3.5															
382.00	392.00																					
392.00	400.00	2.5	2.5			3	3-5	2														

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90E-1
Grid System : ORIGINAL
Collar Eastings : 18520.000
Collar Northings : 19490.000
Collar Elevations : 785.000
Collar Bearing : 325.01
Grid Baseline : 66.00

Collar Inclination : -4.68
Grid Bearing : 156.00
Final Depth : 96.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	1.00	ARG	Black argillite.	140719	0.00	3.00	3.00	29.	32.	14.	140.	0.3
1.00	18.00	INT	Rusty limonitic, porphyritic intrusive.	140720	3.00	6.00	3.00	9.	22.	17.	130.	0.1
			High limonite content, bleached in spots	140721	6.00	9.00	3.00	5.	21.	19.	120.	0.1
			(~contact 90/20 S).	140722	9.00	12.00	3.00	6.	17.	22.	140.	0.1
				140723	12.00	15.00	3.00	7.	18.	11.	130.	0.2
15.00	18.00		Minor bleached biotite (green and pale brown).	140724	15.00	18.00	3.00	8.	24.	7.	120.	0.3
18.00	33.00	SHALE	Grey/brown shale; minor pyrite. Low angle	140725	18.00	21.00	3.00	5.	21.	7.	110.	0.2
			contact with intrusive (intrusive rides	140726	21.00	24.00	3.00	4.	27.	6.	130.	0.5
			over shale almost horizontal to 33 m).	140727	24.00	27.00	3.00	10.	20.	9.	170.	0.2
				140728	27.00	30.00	3.00	1.	14.	8.	100.	0.1
				140729	30.00	33.00	3.00	4.	14.	7.	80.	0.2
31.00	33.00		Intrusive rises up out of trench over shale.									
33.00	55.00	INT	Altered intrusive as at 1m, high limonite	140730	33.00	36.00	3.00	1.	27.	5.	90.	0.1
			content. Minor black biotite at contact	140731	36.00	39.00	3.00	1.	9.	7.	80.	0.2
			(33-35m).	140732	39.00	42.00	3.00	1.	6.	6.	70.	0.1
				140733	42.00	45.00	3.00	2.	12.	7.	130.	0.2
				140734	45.00	48.00	3.00	1.	9.	4.	180.	0.1
				140735	48.00	51.00	3.00	13.	16.	10.	80.	0.1
				140736	51.00	54.00	3.00	2.	17.	10.	70.	0.1
				140737	54.00	57.00	3.00	6.	9.	8.	80.	0.5
55.00	61.00	ARG	Black graphititc argillite, yellow clay	140738	57.00	60.00	3.00	3.	10.	5.	110.	0.5
			gouge at the contact with intrusive.	140739	60.00	63.00	3.00	3.	18.	11.	170.	0.9
61.00	63.00	INT	Altered intrusive, appears to be a faulted block.									
63.00	84.00	ARG	Black, graphitic argillite. Yellow clay	140740	63.00	66.00	3.00	3.	4.	8.	220.	2.0
			gouge at contact. Argillite is inter-	140741	66.00	69.00	3.00	3.	9.	11.	130.	2.1
			bedded with brown/black shale.	140742	69.00	72.00	3.00	4.	12.	6.	120.	0.6

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90E-1

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				140743	72.00	75.00	3.00	5.	14.	11.	130.	0.6
				140744	75.00	78.00	3.00	7.	18.	14.	150.	1.2
				140745	78.00	81.00	3.00	6.	20.	12.	200.	1.2
				140746	81.00	84.00	3.00	8.	28.	9.	90.	1.2
82.00	84.00		Sediments ride up over intrusive (0.5 m thick). Note: sediments from 63-84m may only be 0.5m thick with the intrusive below it.									
84.00	89.00	F*INT	Intrusive, brown silicified matrix, abundant black biotite.	140747	84.00	87.00	3.00	6.	62.	12.	80.	0.4
				140748	87.00	90.00	3.00	3.	64.	18.	120.	0.7
89.00	89.50	ARG	Black graphitic argillite.									
89.50	93.00	INT	Altered intrusive, no biotite. Red/brown weathering surfaces.	140749	90.00	93.00	3.00	4.	58.	16.	130.	0.3
93.00	96.00	ARG	Black graphitic argillite with vuggy white quartz veining.	140750	93.00	96.00	3.00	4.	17.	7.	100.	1.9

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90E-1
Grid System : ORIGINAL
Collar Eastings : 18520.000
Collar Northings : 19490.000
Collar Elevations : 785.000
Collar Bearing : 325.01
Grid Baseline : 66.00

Collar Inclination : -4.68
Grid Bearing : 156.00
Final Depth : 96.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND
Core Size :

GEOCHEMICAL SAMPLES

FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
0.00	3.00	1.5	1				1-2	5-10	1	
3.00	6.00									
6.00	9.00									
9.00	12.00									
12.00	15.00									
15.00	18.00									
18.00	21.00									
21.00	24.00									
24.00	27.00									
27.00	30.00									
30.00	33.00									
33.00	36.00	1.5	1				1-2	5-10	1	
36.00	39.00									
39.00	42.00									
42.00	45.00									
45.00	48.00									
48.00	51.00									
51.00	54.00									
54.00	57.00									
57.00	60.00									
60.00	63.00	2	1.5				2	5-10	1.5	
63.00	66.00									
66.00	69.00									
69.00	72.00									
72.00	75.00									
75.00	78.00									
78.00	81.00									
81.00	84.00									

GEOTECHNICAL SAMPLES

FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90E-1

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sr %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
84.00	87.00	1	1.5				1	5-10														
87.00	90.00																					
90.00	93.00	2	2				2	1-3	1.5													
93.00	96.00																					

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90P-3
Grid System : ORIGINAL
Collar Eastings : 19776.330
Collar Northings : 20186.910
Collar Elevations : 884.390
Collar Bearing : 182.64
Grid Baseline : 66.00

Collar Inclination : -5.05
Grid Bearing : 156.00
Final Depth : 215.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	9.00	int	Limonitic, porphyritic intrusive with trace-1% remnant biotite and qtz eyes in floor of trench. Silicified seds (often baritic) mixed with intrusive in walls of trench (overburden).	R120411	0.00	6.00	6.00	29.	152.	64.	780.	0.8
				R120412	6.00	9.00	3.00	14.	143.	74.	850.	1.3
9.00	28.00	arg	Shattered black argillite with spotty qtz stockwork.	R120413	9.00	12.00	3.00	25.	95.	61.	2600.	2.9
				R120414	12.00	15.00	3.00	21.	79.	47.	2400.	3.1
15.00	18.00		Rusty orange weathering in the area.	R120415	15.00	18.00	3.00	21.	83.	52.	2300.	1.8
24.00	24.50		Intense qtz stockwork.	R120416	27.00	30.00	3.00	3.	129.	76.	2200.	0.9
28.00	105.00	int	Limonitic, porphyritic competent block fractured intrusive with Mn oxide on all fracture surfaces. Remnant biotite trace-2%. Qtz eyes present.	R120417	30.00	33.00	3.00	5.	87.	56.	630.	0.3
				R120418	33.00	36.00	3.00	2.	58.	42.	750.	0.2
				R120419	36.00	39.00	3.00	2.	70.	38.	660.	0.2
				R120420	39.00	42.00	3.00	3.	74.	40.	680.	0.2
				R120421	42.00	45.00	3.00	6.	145.	37.	720.	0.4
45.00	47.00		Rock less competent. Weathered rusty orange. Grey\green on fresher surfaces.	R120422	45.00	48.00	3.00	2.	148.	77.	1100.	0.2
				R120423	48.00	51.00	3.00	3.	99.	57.	750.	0.3
				R120424	51.00	54.00	3.00	2.	85.	69.	660.	0.2
				R120425	54.00	57.00	3.00	3.	76.	65.	710.	0.4
				R120426	57.00	60.00	3.00	3.	94.	132.	510.	0.2
				R120427	60.00	63.00	3.00	2.	86.	76.	600.	0.2
				R120428	63.00	66.00	3.00	1.	76.	36.	720.	0.1
				R120429	66.00	69.00	3.00	4.	107.	38.	760.	0.4
				R120430	69.00	72.00	3.00	5.	112.	42.	740.	0.2
				R120431	72.00	75.00	3.00	5.	132.	67.	850.	0.4
75.00	81.00		Grey\green limonitic porphyritic intrusive with only a trace of remnant biotite. Incompetent. Porous.	R120432	75.00	78.00	3.00	7.	185.	128.	1300.	0.3
				R120433	78.00	81.00	3.00	5.	158.	155.	1200.	0.3
81.00	86.00		More competent.	R120434	81.00	84.00	3.00	1.	204.	132.	930.	0.3
				R120435	84.00	87.00	3.00	4.	132.	82.	720.	0.4
86.00	105.00		SOS but a pinkish grey colour. Lacks Mn oxide on fracture surface	R120436	87.00	90.00	3.00	2.	62.	56.	640.	0.3
				R120437	90.00	93.00	3.00	2.	45.	55.	330.	0.1
				R120438	93.00	96.00	3.00	3.	43.	56.	350.	0.1
				R120439	96.00	99.00	3.00	6.	159.	55.	570.	0.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90F-3

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				R120440	99.00	102.00	3.00	5.	52.	58.	1100.	0.2
				R120441	102.00	105.00	3.00	2.	59.	60.	630.	0.2
105.00	123.00	arg	Shattered black argillite.									
111.00	123.00		ROAD. Not sampled.									
123.00	149.00	int	Limonitic porphyritic intrusive with qtz	R120451	123.00	126.00	3.00	8.	90.	24.	1500.	0.2
			eyes up to 0.5 cm in diameter. 1-2%	R120452	126.00	129.00	3.00	4.	60.	21.	1400.	0.1
			remnant biotite. Feldspar phenocrysts up	R120453	129.00	132.00	3.00	3.	30.	20.	1500.	0.1
			to 1.5 cm in length. Mn oxide coating on	R120454	132.00	135.00	3.00	2.	24.	22.	1600.	0.1
			most fracture surfaces.	R120455	135.00	138.00	3.00	3.	29.	20.	2200.	0.1
				R120456	138.00	141.00	3.00	4.	48.	21.	1400.	0.1
				R120457	141.00	144.00	3.00	3.	50.	41.	2700.	0.3
144.00	144.50		Very fine qtz stockwork.	R120458	144.00	147.00	3.00	4.	83.	31.	2400.	0.3
				R120459	147.00	150.00	3.00	5.	71.	59.	3000.	1.1
148.00	149.00		Blue grey bleached intrusive adjacent to contact; silicified.									
149.00	215.00	arg										
149.00	162.00		Weathered argillite.	R120460	150.00	153.00	3.00	6.	39.	57.	1600.	1.3
				R120461	156.00	159.00	3.00	14.	56.	36.	2400.	3.1
				R120462	159.00	162.00	3.00	9.	95.	53.	1800.	1.9
186.00	189.00		Intrusive in overburden in east wall of trench. Argillite below.	R120463	213.00	213.25	0.25	3960.	31.	30913.	4500.	21.2
			At 215m, Gord's grab sample of intrusive.									

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90F-3
Grid System : ORIGINAL
Collar Eastings : 19776.330
Collar Northings : 20186.910
Collar Elevations : 884.390
Collar Bearing : 182.64
Grid Baseline : 66.00

Collar Inclination : -5.05
Grid Bearing : 156.00
Final Depth : 215.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
0.00	9.00	1					1.5	5-7														
9.00	28.00																					
28.00	75.00	1.5	1				1.5	3-5														
75.00	81.00	3	2				2	3-5														
81.00	86.00	2	1.5				1.5	3-5														
86.00	105.00	1.5	1				1	3-5														
105.00	111.00																					

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90P-3

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
123.00	132.00	3	1				1	3-5														
132.00	134.00	1.5	1				1	1-3														
134.00	148.00	3	1				1	1-3														
148.00	149.00	2	2				2															
149.00	215.00																					

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90P-4
Grid System : ORIGINAL
Collar Eastings : 19880.580
Collar Northings : 20118.850
Collar Elevations : 897.500
Collar Bearing : 181.81
Grid Baseline : 66.00

Collar Inclination : -7.81
Grid Bearing : 156.00
Final Depth : 168.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sr ppm	Hg ppb	Ag ppm
0.00	2.00	arg	Black Argillite. Spotty qtz stockwork.	R826	0.00	3.00	3.00	44.	244.	87.	7200.	3.3
2.00	12.00	int	Limonitic, porphyritic intrusive. Grades from gravel size at 3m to cobble size at 9m. Intense qtz stockwork. Intense rusty colour.	R827	3.00	6.00	3.00	8.	318.	139.	4300.	3.2
				R828	6.00	9.00	3.00	5.	214.	130.	1200.	0.3
				R829	9.00	12.00	3.00	15.	233.	148.	1800.	0.7
12.00	19.00	arg	Black argillite. Spotty qtz stockwork	R830	12.00	15.00	3.00	16.	37.	46.	2700.	2.1
				R831	15.00	18.00	3.00	9.	77.	61.	2100.	2.2
				R832	18.00	21.00	3.00	26.	145.	564.	2800.	0.7
19.00	165.00	int	Limonitic, porphyritic intrusive. Block fractured (Blocks up to 0.5m). All blocks are weathered throughout with no fresh centers. Rafts(?) of platy argillite in trench walls. 1-2% remnant biotite, minor qtz stockwork and eyes.	R833	21.00	24.00	3.00	36.	225.	178.	1500.	0.8
				R834	24.00	27.00	3.00	34.	198.	171.	2200.	0.8
				R835	27.00	30.00	3.00	14.	145.	211.	1800.	0.5
				R836	30.00	33.00	3.00	35.	205.	258.	1500.	0.8
				R837	33.00	36.00	3.00	50.	224.	248.	1600.	0.6
				R838	36.00	39.00	3.00					
				R838	39.00	42.00	3.00	33.	107.	98.	860.	0.6
				R839	42.00	45.00	3.00	21.	127.	127.	1500.	0.3
				R840	45.00	48.00	3.00	12.	144.	98.	1050.	0.4
				R841	48.00	51.00	3.00	8.	149.	104.	1600.	0.1
				R845	51.00	54.00	3.00	19.	346.	104.	1500.	0.1
				R846	54.00	57.00	3.00	76.	987.	134.	1300.	0.2
				R845	57.00	60.00	3.00					
				R847	60.00	63.00	3.00	6.	75.	66.	750.	0.1
				R849	63.00	66.00	3.00	89.	498.	126.	1800.	0.6
				R848	66.00	69.00	3.00					
67.00	93.00		Grades into blue\greenish blue porphyritic intrusive. Bleached zone is found in the centre of limonitic weathering rind and varies in alt'n intensity. Road from 66-81m.	R849	69.00	72.00	3.00					
				R850	72.00	75.00	3.00	21.	221.	112.	1300.	0.3
				R851	75.00	78.00	3.00	137.	861.	144.	1500.	0.6
				R852	78.00	81.00	3.00	134.	825.	145.	2000.	0.4
				R853	81.00	84.00	3.00	79.	1035.	102.	1100.	0.2
				R854	84.00	87.00	3.00	107.	927.	102.	1500.	0.2
				R855	87.00	90.00	3.00	73.	312.	100.	1100.	0.1
				R856	90.00	93.00	3.00	19.	111.	94.	1200.	0.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90F-4

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
93.00	111.00		Light blue intrusive; porous. Abundant altered feldspar phenocrysts and sericite.	R857	93.00	96.00	3.00	33.	100.	80.	1400.	0.5
				R858	96.00	99.00	3.00	28.	176.	58.	1200.	0.2
				R859	99.00	102.00	3.00	125.	706.	73.	1600.	1.2
				R860	102.00	105.00	3.00	138.	283.	94.	1700.	0.8
				R861	105.00	108.00	3.00	25.	109.	30.	1300.	0.4
				R862	108.00	111.00	3.00	16.	78.	24.	1000.	0.2
111.00	135.00		Outer weathering rind has changed to a dark purple red. Fresh surface is darker green/blue. Porosity very high. Dominant argillic alt'n of feldspar phenos.	R863	111.00	114.00	3.00	9.	117.	25.	1100.	0.3
				R864	114.00	117.00	3.00	8.	86.	42.	1200.	0.4
				R865	117.00	120.00	3.00	12.	85.	23.	740.	0.2
				R866	120.00	123.00	3.00	6.	91.	22.	1100.	0.2
				R867	123.00	126.00	3.00	3.	63.	27.	760.	0.1
				R868	126.00	129.00	3.00	4.	47.	29.	560.	0.1
				R869	129.00	132.00	3.00	7.	139.	104.	1100.	0.3
				R870	132.00	135.00	3.00	7.	75.	50.	540.	0.2
135.00	147.00		Black argillite rafts are exposed in the intrusive. Argillite has fine qtz stock work and is shattered.	R871	135.00	138.00	3.00	10.	45.	63.	1100.	2.0
				R872	138.00	141.00	3.00	6.	30.	24.	860.	0.9
				R873	141.00	144.00	3.00	5.	44.	38.	950.	0.4
				R874	144.00	147.00	3.00	5.	66.	35.	1200.	0.7
147.00	165.00		Light blue porphyritic intrusive, argillic alteration is intense, all feldspar phenos altered to kaolinite. Apple green mineral (silicate?) appears in most samples; 0.5 mm grain size. Blocky fracturing, blocks are fist sized & very porous.	R875	147.00	150.00	3.00					
				R875	150.00	153.00	3.00	6.	65.	24.	1100.	0.1
				R876	153.00	156.00	3.00	8.	82.	15.	950.	0.2
				R877	156.00	159.00	3.00	5.	76.	15.	920.	0.1
				R879	159.00	162.00	3.00	8.	85.	25.	800.	0.3
				R880	162.00	165.00	3.00	3.	54.	19.	1400.	0.2

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90F-4
Grid System : ORIGINAL
Collar Eastings : 19880.580
Collar Northings : 20118.850
Collar Elevations : 897.500
Collar Bearing : 181.81
Grid Baseline : 66.00

Collar Inclination : -7.81
Grid Bearing : 156.00
Final Depth : 168.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
0.00	2.00																					
2.00	12.00	1.5	2.5					5-10	2													
12.00	19.00																					
19.00	67.00	1	2.5				2	5-15														
67.00	93.00	1.5	2				2.5	3-5														
93.00	111.00	2.5	2				2.5	1-5														

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90P-4

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
111.00	147.00	3	2				2	1-3														
147.00	165.00	3	1.5				2	1-3														

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90F-5
Grid System : ORIGINAL
Collar Eastings : 20104.920
Collar Northings : 20114.960
Collar Elevations : 962.230
Collar Bearing : 232.62
Grid Baseline : 66.00

Collar Inclination : -5.80
Grid Bearing : 156.00
Final Depth : 138.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	8.00	arg	BLack argillite; Minor qtz stockwork. Fractured with rusty weathering.	R26	0.00	3.00	3.00	35.	286.	41.	2200.	4.0
				R27	3.00	6.00	3.00	17.	226.	24.	2100.	2.9
				R28	6.00	9.00	3.00	13.	216.	20.	2400.	2.0
8.00	16.00	int	Limonitic porphyritic intrusive; Mn oxide staining on fracture surfaces; brown rusty matrix. Feldspar phenos show only minor alteration, some remnant biotite; Qtz eyes.	R29	9.00	12.00	3.00	10.	351.	17.	2300.	2.9
				R30	12.00	15.00	3.00	6.	446.	16.	780.	3.9
				R31	15.00	18.00	3.00	24.	227.	21.	1900.	3.2
16.00	30.00	arg	Black Argillite.	R32	18.00	21.00	3.00	2.	115.	12.	650.	2.5
				R33	21.00	24.00	3.00	5.	178.	20.	950.	1.5
				R34	24.00	27.00	3.00	1.	161.	29.	1300.	1.1
				R35	27.00	30.00	3.00	21.	147.	37.	1200.	2.7
30.00	55.00	int	Limonitic porphyritic intrusive. Matrix becomes progressively greener down the trench. Increasing phyllic alteration.	R36	30.00	33.00	3.00	3.	204.	19.	1900.	2.0
				R37	33.00	36.00	3.00	5.	228.	15.	3000.	0.8
				R38	36.00	39.00	3.00	4.	167.	21.	2100.	0.7
				R39	39.00	42.00	3.00	1.	142.	34.	2500.	1.3
				R40	42.00	45.00	3.00	1.	555.	25.	2800.	1.0
				R41	45.00	48.00	3.00	12.	557.	25.	2400.	1.1
				R42	48.00	51.00	3.00	77.	606.	21.	1200.	0.7
				R43	51.00	54.00	3.00	13.	568.	33.	1050.	0.6
				R44	54.00	57.00	3.00	8.	367.	35.	1800.	1.6
55.00	87.00	arg	Black argillite. Graphitic in small sections. Intrusive in trench wall.	R45	57.00	60.00	3.00	44.	186.	29.	3900.	2.6
				R46	60.00	63.00	3.00	113.	446.	40.	2200.	1.7
				R47	63.00	66.00	3.00	87.	390.	59.	3500.	3.0
				R48	66.00	69.00	3.00	300.	494.	189.	3900.	2.8
				R49	69.00	72.00	3.00	350.	876.	185.	2600.	1.8
				R50	72.00	75.00	3.00	105.	338.	108.	3200.	2.3
				R51	75.00	81.00	6.00	57.	218.	71.	1900.	2.6
				R52	81.00	84.00	3.00	62.	495.	125.	2000.	1.6
				R53	84.00	87.00	3.00	58.	470.	86.	2100.	0.8
87.00	102.00	int	LPI. Feldspar phenos have all altered to	R54	87.00	90.00	3.00	65.	746.	107.	1800.	2.0

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTB90F-5

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			kaolinite. Colour grades from rusty brown to light green. Qtz eyes present. Increase in porosity with increasing greeness.	R55	90.00	93.00	3.00	106.	732.	603.	1500.	2.5
				R56	93.00	102.00	9.00	250.	658.	305.	3300.	4.7
102.00	105.00	arg	Graphitic black argillite. Texture of coarse sand.	R57	102.00	105.00	3.00	59.	483.	262.	9500.	5.9
105.00	138.00	int	LPI. Matrix varies from rusty brown to green.	R58	105.00	108.00	3.00	1160.	1446.	1825.	4500.	3.0
				R59	108.00	111.00	3.00	2180.	2193.	1678.	1900.	1.2
				R60	111.00	114.00	3.00	630.	1531.	793.	1600.	0.4
				R61	114.00	117.00	3.00	94.	732.	454.	2100.	0.7
				R62	117.00	120.00	3.00	11.	530.	303.	780.	0.1
				R63	120.00	123.00	3.00	260.	1058.	303.	3600.	0.7
				R64	123.00	126.00	3.00	129.	618.	233.	2500.	0.9
				R65	126.00	129.00	3.00	68.	541.	282.	1800.	1.1
				R66	129.00	132.00	3.00	123.	820.	373.	2500.	2.0
				R67	132.00	135.00	3.00	380.	1196.	411.	1800.	1.5
				R68	135.00	138.00	3.00	320.	1243.	386.	1300.	2.8

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90F-5
Grid System : ORIGINAL
Collar Eastings : 20104.920
Collar Northings : 20114.960
Collar Elevations : 962.230
Collar Bearing : 232.62
Grid Baseline : 66.00

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

Collar Inclination : -5.80
Grid Bearing : 156.00
Final Depth : 138.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

GEOCHEMICAL SAMPLES

FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
0.00	8.00									
8.00	16.00	1.5	2				1.75	5-10		
16.00	30.00									
30.00	55.00	1.75	2				2	3-5		
55.00	87.00									
87.00	102.00	2.25	2				2	1-5		
102.00	113.00									

GEOTECHNICAL SAMPLES

FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90P-5

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
113.00	138.00	1.75	2				2	3-5														

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCTR90G-1
Grid System : ORIGINAL
Collar Eastings : 21768.070
Collar Northings : 19932.829
Collar Elevations : 1013.000
Collar Bearing : 182.39
Grid Baseline : 66.00

Collar Inclination : -12.23
Grid Bearing : 156.00
Final Depth : 285.00
Claim No. :

Logged by : GREG GILLSTROM
Date : JUNE 26, 1990 - JUNE 27, 1990
Downhole Survey :
Drilled By : CARON
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	5.00	ARG	Fractured argillite. Colour banding and variation in hand samples (Black, red, green, orange). Very graphitic with qtz stockwork and vugs. 1m of blue clay at 5m.	5776	0.00	3.00	3.00	3.	90.	11.	290.	0.2
				5777	3.00	6.00	3.00	79.	369.	21.	700.	0.2
5.00	29.00	INT										
5.00	10.00		Faulted contact with limonitic, porphyritic intrusive 110/62 SW. Mn oxide staining on fracture surfaces, green silicified cores.	5778	6.00	9.00	3.00	57.	226.	18.	3200.	0.1
				5779	9.00	12.00	3.00	123.	384.	10.	1900.	0.1
10.00	13.00		Sand-like weathered intrusive. Blocks within the sericite rich sand are highly weathered monzonite/syenite.	5780	12.00	15.00	3.00	17.	65.	6.	480.	0.1
13.00	21.00		Grades into blocky, weathered monzonite/ syenite. Most feldspar phenos have weathered to yellow clay. Blocks higher in the trench are very fresh.	5781	15.00	18.00	3.00	16.	75.	5.	380.	0.1
				5782	18.00	21.00	3.00	220.	427.	21.	2100.	0.1
21.00	29.00		Fault(?) contact with limonitic, porphyritic intrusive, orientation uncertain. Extensive qtz stockwork & veining. Mn oxide staining on all fracture surfaces Some rocks show intense blue (phyllic) cores. No rxn HCl, limonite content increases toward argillite contact.	5783	21.00	24.00	3.00	1460.	1596.	237.	2800.	0.5
				5784	24.00	27.00	3.00	540.	1127.	36.	4100.	0.6
				5785	27.00	30.00	3.00	1220.	1475.	27.	6000.	1.0
29.00	36.00	ARG	Fractured graphitic argillite.	5786	30.00	33.00	3.00	116.	199.	10.	4100.	1.6
33.00	36.00		Becomes more graphitic and blocky.	5787	33.00	36.00	3.00	131.	252.	19.	3300.	1.1
36.00	198.00	INT	Low angle contact - apparent dip of 50 degrees north.	5788	36.00	39.00	3.00	1500.	468.	175.	4600.	0.9
37.00	42.00		Highly mineralized altered intrusive. Abundant stibnite veining, extensive qtz stockwork. Qtz veins have green/	5789	39.00	42.00	3.00	6740.	1873.	4152.	4400.	5.9

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCTR90G-1

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			white alteration envelopes. Large qtz eyes and vugs. Weathered surfaces are pink/brown. Reduced limonite content & no rxn HCl.									
42.00	51.00		Changes to rusty brown intrusive.	5790	42.00	45.00	3.00	1760.	1358.	1323.	3500.	2.2
			No stibnite/qtz veining or green/blue	5791	45.00	48.00	3.00	590.	1168.	162.	3800.	2.8
			cores. No rxn HCl	5792	48.00	51.00	3.00	260.	1378.	151.	2200.	1.0
51.00	57.00		Sandy weathered monz/syen. Contacts with	5793	51.00	54.00	3.00	126.	909.	62.	2600.	0.3
			Limonitic, porphyritic intrusive	5794	54.00	57.00	3.00	79.	854.	49.	2300.	0.2
			are indistinct.									
57.00	65.00		Limonitic, porphyritic intrusive.	5795	57.00	60.00	3.00	96.	1505.	100.	2700.	0.3
			High limonite content. Fine qtz stockwork,	5796	60.00	63.00	3.00	22.	1326.	63.	3100.	0.2
			no stibnite, high porosity. Larger blocks	5801	63.00	66.00	3.00	42.	1374.	54.	4800.	0.1
			show phyllic green cores. Sericite is									
			abundant in rusty limonitic matrix.									
65.00	67.00		Weathered int. in west bank (ref. 52m)	5802	66.00	69.00	3.00	46.	739.	47.	4000.	0.3
				5803	69.00	72.00	3.00	26.	661.	50.	2800.	0.1
				5804	72.00	75.00	3.00	22.	629.	44.	3900.	0.1
				5805	75.00	78.00	3.00	34.	653.	46.	5700.	0.2
				5806	78.00	81.00	3.00	18.	443.	60.	1800.	0.1
79.00	84.00		Sandy weathered intrusive. Appears to be	5807	81.00	84.00	3.00	33.	247.	186.	2900.	0.1
			altered in sections. Numerous green clay	5808	84.00	87.00	3.00	72.	284.	252.	3500.	0.1
			bands, pods of more phyllicly altered	5809	87.00	90.00	3.00	38.	202.	131.	1050.	0.6
			(silicious) blocky intrusive. No rxn HCl.	5810	90.00	93.00	3.00	17.	362.	118.	1400.	0.1
			Contact at 84m runs 86/38 NE.	5811	93.00	96.00	3.00	44.	623.	226.	1500.	0.1
				5812	96.00	99.00	3.00	49.	341.	278.	1300.	0.1
				5813	99.00	102.00	3.00	53.	372.	151.	1200.	0.1
				5814	102.00	105.00	3.00	24.	236.	119.	650.	0.1
				5815	105.00	108.00	3.00	67.	2.	2.	1600.	0.2
				5816	108.00	111.00	3.00	1430.	1325.	398.	5400.	0.6
				5817	111.00	114.00	3.00	81.	181.	102.	500.	0.1
				5818	114.00	117.00	3.00	125.	400.	99.	1100.	0.4
				5819	117.00	120.00	3.00	28.	232.	99.	880.	0.1
				5820	120.00	123.00	3.00	840.	656.	750.	10800.	0.3
122.00	142.00		Highly altered, block fractured limonitic	5821	123.00	126.00	3.00	780.	917.	437.	6700.	0.1
			porphyritic intrusive. Fresh cores vary	5822	126.00	129.00	3.00	430.	591.	360.	6600.	0.1
			from bleached white kaolinite to green/	5823	129.00	132.00	3.00	340.	847.	973.	6400.	0.3
			blue and highly silicified.	5824	132.00	135.00	3.00	200.	999.	1054.	4000.	0.1
			Intense qtz stockwork and rusty qtz veins	5825	135.00	138.00	3.00	82.	896.	1039.	3800.	0.1
			up to .5cm across. Mn oxide staining on	5826	138.00	141.00	3.00	1710.	1061.	11762.	5900.	1.6
			fracture surfaces, abundant sericite	5827	141.00	144.00	3.00	91.	502.	327.	6800.	0.1

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			in the green/blue silicified cores. All feldspar phenos have altered to pastel blue/pink white clay. Many blocks show slickensides with no apparent continuity. Minor stibnite veining with green alt'n envelopes. Very similar to 37-42m.									
142.00	147.00		White kaolinite cores are more common.	5828	144.00	147.00	3.00	450.	700.	332.	4100.	0.1
147.00	153.00		Abrupt change to sandy, weathered biotite rich intrusive.	5829	147.00	150.00	3.00	380.	571.	427.	1800.	0.2
				5830	150.00	153.00	3.00	137.	659.	336.	6500.	0.1
153.00	188.00		Altered intrusive as 121m. Pink/brown weathered surface, more intense qtz stockwork. Less blue/white kaolinite cores. More silica rich blue/green cores rich in qtz, sericite +- clay altered feldspar porphyrys. At 167m, large (2cm) vein of blue/rusty red quartz with minor stibnite veining Extends on both sides of the trench. Slickensides on flat vein surfaces, flourescent yellow alteration envelope around stibnite veins. Colour change at 174m - from pink brown to rusty brown. Coincides with a sharp decrease in qtz veining. Altered intrusive still shows intense blue/green phyllic alt'n in fresh cores.	5831	153.00	156.00	3.00	2310.	1751.	826.	5200.	2.9
				5832	156.00	159.00	3.00	10710.	5178.	336.	9200.	2.5
				5833	159.00	162.00	3.00	9220.	7872.	355.	5900.	2.0
				5834	162.00	165.00	3.00	8440.	4353.	679.	6800.	1.7
				5835	165.00	168.00	3.00	4640.	2623.	1562.	6100.	1.0
				5836	168.00	171.00	3.00	1070.	1574.	2788.	3500.	1.1
				5837	171.00	174.00	3.00	1290.	1154.	2622.	3400.	1.5
				5838	174.00	177.00	3.00	350.	1033.	1267.	5100.	2.8
				5839	177.00	180.00	3.00	200.	906.	1424.	5500.	0.5
				5840	180.00	183.00	3.00	121.	865.	1001.	3100.	0.7
				5841	183.00	186.00	3.00	134.	633.	1063.	5800.	0.4
				5842	186.00	189.00	3.00	152.	769.	1266.	4300.	0.7
188.00	194.00		Weathered, sandy biotite rich intrusive.	5843	189.00	192.00	3.00	40.	437.	745.	8500.	0.5
				5844	192.00	195.00	3.00	1.	225.	140.	540.	0.1
194.00	198.00		Large (.5m) blocks of fresh biotite, k-spar porphyry intrusive, grey matrix. (Monzonite)	5845	195.00	198.00	3.00	15.	207.	67.	230.	0.1
198.00	285.00	FLOAT	Suspect overburden. Soil supported boulders of fresh monzonite mixed with smaller blocks of highly weathered intrusive. Occasional block of highly altered intrusive and black argillite. This blocky overburden continues to the end of trench.	5846	198.00	201.00	3.00	115.	616.	345.	1500.	0.1
				5847	201.00	204.00	3.00	340.	723.	1001.	2900.	0.1
				5848	204.00	207.00	3.00	59.	268.	430.	620.	0.2
				5849	207.00	210.00	3.00	23.	230.	167.	650.	0.1
				5850	210.00	213.00	3.00	73.	460.	234.	2000.	0.1
				5851	213.00	216.00	3.00	58.	569.	557.	3600.	0.2
				5852	216.00	219.00	3.00	62.	445.	567.	3400.	0.1
				5853	219.00	222.00	3.00	25.	264.	117.	2200.	0.1
				5854	222.00	225.00	3.00	45.	311.	92.	820.	0.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMERY
HOLE No. : BCTR90G-1

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				5855	225.00	228.00	3.00	24.	295.	80.	2400.	0.1
				5856	228.00	231.00	3.00	96.	591.	124.	6200.	0.2
				5857	231.00	234.00	3.00	34.	398.	78.	4300.	0.1
				5858	234.00	237.00	3.00	50.	332.	74.	6500.	0.1
				5859	237.00	240.00	3.00	36.	533.	104.	3700.	0.1
				5860	240.00	243.00	3.00	53.	314.	108.	4500.	0.1
				5861	243.00	246.00	3.00	83.	676.	207.	5800.	0.1
				5862	246.00	249.00	3.00	107.	545.	220.	5100.	0.1
				5863	249.00	252.00	3.00	37.	511.	252.	4900.	0.1
				5864	252.00	255.00	3.00	1090.	1144.	903.	6600.	0.3
				5865	255.00	258.00	3.00	330.	1003.	795.	5800.	0.2
				5866	258.00	261.00	3.00	87.	534.	455.	2600.	0.2
				5867	261.00	264.00	3.00	230.	653.	496.	3800.	0.3
				5868	264.00	267.00	3.00	37.	373.	247.	4600.	0.2
				5869	267.00	270.00	3.00	50.	306.	151.	1700.	0.2
				5870	270.00	273.00	3.00	104.	370.	167.	820.	0.3
				5871	273.00	276.00	3.00	51.	330.	112.	4000.	0.1
				5872	276.00	279.00	3.00	1050.	661.	162.	5100.	0.3
				5873	279.00	282.00	3.00	26.	301.	148.	4400.	0.2
				5874	282.00	285.00	3.00	54.	288.	111.	2600.	0.1

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCTR90G-1
Grid System : ORIGINAL
Collar Eastings : 21768.078
Collar Northings : 19932.829
Collar Elevations : 1013.000
Collar Bearing : 182.39
Grid Baseline : 66.00

Collar Inclination : -12.23
Grid Bearing : 156.00
Final Depth : 285.00
Claim No. :

Logged by : GREG GILLSTROM
Date : JUNE 26, 1990 - JUNE 27, 1990
Downhole Survey :
Drilled By : CARON
Core Size :

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
0.00	5.00								1.5													
5.00	11.00	2	1.5				2	5-10	1													
11.00	23.00																					
23.00	30.00	2.5	2				3	10-15	2.5													
30.00	38.00																					
38.00	43.00	2.5	3				3	1-5	3													

DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCTR90G-1

GEOCHEMICAL SAMPLES

FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
43.00	52.00	1.5	2				1	5-10		
52.00	57.00									
57.00	78.00	1.5	2				1.5	5-10		
78.00	122.00	1-2	0-1				1-2	5-10	1-2	
122.00	146.00	2-3.5	2.5-3				3	3-5	3	

GEOTECHNICAL SAMPLES

FROM	TO	Recovery %	Lim %	Breakage	Sr %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCTR90G-1

GEOCHEMICAL SAMPLES

FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
146.00	154.00									
154.00	192.00	2-3.5	2-3.5				3	3-5	3-3.5	

GEOTECHNICAL SAMPLES

FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90G-2
Grid System : ORIGINAL
Collar Eastings : 21892.870
Collar Northings : 19963.020
Collar Elevations : 1001.590
Collar Bearing : 189.74
Grid Baseline : 66.00

Collar Inclination : -17.16
Grid Bearing : 156.00
Final Depth : 209.00
Claim No. :

Logged by : GREG GILLSTROM
Date : JULY 2, 1990 - JULY 4, 1990
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	57.00	INT	Rusty limonitic porphyritic intrusive,	5876	0.00	3.00	3.00	31.	417.	11.	3100.	0.1
			weathered to the consistency of coarse	5877	3.00	6.00	3.00	44.	257.	8.	2500.	0.1
			sand. Resistant blocks are silicified	5878	6.00	9.00	3.00	3.	95.	8.	3300.	0.1
			and show remnant porphyry texture with	5879	9.00	12.00	3.00	4.	52.	15.	1050.	0.1
			fine grained brown silicified matrix.	5880	12.00	15.00	3.00	1.	73.	16.	880.	0.1
			Weathered sandy sections are high in	5881	15.00	18.00	3.00	20.	157.	17.	1100.	0.1
			sericite.	5882	18.00	21.00	3.00	1.	101.	12.	2200.	0.1
21.00	24.00		3m section of competent outcrop, same	5883	21.00	24.00	3.00	1.	156.	15.	3100.	0.1
			composition as intrusive blocks above.									
24.00	38.00		Looks more like a highly weathered	5884	24.00	27.00	3.00	4.	238.	20.	3300.	0.1
			porphyry as opposed to hydrothermally	5885	27.00	30.00	3.00	4.	103.	20.	2400.	0.1
			altered intrusive. Increase in biotite	5886	30.00	33.00	3.00	2.	151.	26.	1200.	0.5
			content. Small band of green/ white clay	5887	33.00	36.00	3.00	3.	277.	49.	570.	0.1
			gouge at 33m.	5888	36.00	39.00	3.00	1.	337.	43.	620.	0.2
38.00	57.00		Block faulted porphyry intrusive, more	5889	39.00	42.00	3.00	220.	405.	19.	2500.	0.1
			silicified and competent. Same composition	5890	42.00	45.00	3.00	13.	254.	25.	1900.	0.1
			as above with abundant biotite.	5891	45.00	48.00	3.00	40.	202.	20.	2600.	0.2
				5892	48.00	51.00	3.00	9.	374.	21.	3700.	0.1
				5893	51.00	54.00	3.00	28.	595.	48.	3200.	0.1
				5894	54.00	57.00	3.00	15.	353.	35.	3800.	0.2
57.00	96.00	FLOAT	Sharp break in slope - trench shallows.	5895	57.00	60.00	3.00	230.	809.	39.	8400.	0.1
			Soil supported rounded clasts of the	5896	60.00	63.00	3.00	1540.	1503.	48.	6800.	0.3
			above intrusive. Samples from 5894-5907	5897	63.00	66.00	3.00	1140.	1263.	95.	19000.	0.5
			are suspect overburden.	5898	66.00	69.00	3.00	1120.	1276.	118.	9200.	0.2
				5899	69.00	72.00	3.00	18.	1875.	75.	54000.	0.2
				5900	72.00	75.00	3.00	14.	1183.	87.	39000.	0.1
				5901	75.00	78.00	3.00	39.	1131.	127.	26000.	0.2
				5902	78.00	81.00	3.00	240.	944.	79.	17000.	0.4
				5903	81.00	84.00	3.00	400.	1367.	64.	31000.	0.4
				5904	84.00	87.00	3.00	1390.	2953.	85.	30000.	1.0
				5905	87.00	90.00	3.00	1020.	2214.	105.	37000.	0.7
				5906	90.00	93.00	3.00	780.	1851.	108.	21000.	0.8
				5907	93.00	96.00	3.00	320.	807.	228.	10800.	0.7
96.00	124.00	ARG	Overburden angles up over argillite.	5908	96.00	99.00	3.00	42.	348.	73.	3100.	0.3

[redacted] EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90G-2

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			Argillite is dense, black, and very cooked	5909	99.00	102.00	3.00	1.	260.	108.	1800.	0.3
				5910	102.00	105.00	3.00	3.	318.	78.	3700.	0.6
				5911	105.00	108.00	3.00	3.	117.	69.	6800.	1.1
				5912	108.00	111.00	3.00	3.	79.	33.	4000.	1.3
109.00	124.00		Sharp break in slope, contact between	5913	111.00	114.00	3.00	7.	121.	61.	2800.	2.2
			argillite and overburden dips down. Arg-	5914	114.00	117.00	3.00	10.	152.	104.	7700.	1.2
			illite exposed in base of trench.	5915	117.00	120.00	3.00	9.	124.	60.	3500.	1.0
				5916	120.00	123.00	3.00	20.	145.	82.	2600.	1.2
				5917	123.00	126.00	3.00	510.	976.	127.	5200.	0.4
124.00	144.00	FLOAT	Overburden, mostly intrusive blocks,	5918	126.00	129.00	3.00	3330.	2029.	87.	4800.	1.2
			minor argillite float. Samples from 5918	5919	129.00	132.00	3.00	230.	519.	102.	3500.	0.1
			to 5923 are overburden.	5920	132.00	135.00	3.00	220.	588.	111.	4500.	0.1
				5921	135.00	138.00	3.00					
				5922	138.00	141.00	3.00					
				5923	141.00	144.00	3.00					

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90G-3
Grid System : ORIGINAL
Collar Eastings : 21653.020
Collar Northings : 19934.750
Collar Elevations : 1025.190
Collar Bearing : 177.12
Grid Baseline : 66.00

Collar Inclination : -14.02
Grid Bearing : 156.00
Final Depth : 246.00
Claim No. :

Logged by : GREG GILLSTROM
Date : JULY 1, 1990 - JULY 9, 1990
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	16.00	ARG	Black, green/black and rusty argillite. Varies from fissile and highly fractured to a blocky argillite conglomerate.	136901	0.00	3.00	3.00	85.	993.	26.	1200.	1.4
				136902	3.00	6.00	3.00	38.	615.	15.	680.	1.1
5.00	9.00		Band of rusty sand-like gouge at base of NE trench wall. Patches of rusty gouge continue to 12m.	136903	6.00	9.00	3.00	51.	819.	17.	1600.	1.7
				136904	9.00	12.00	3.00	32.	787.	20.	960.	1.9
				136905	12.00	15.00	3.00	20.	565.	17.	730.	1.3
15.00	16.00		Abundant red staining on argillite fracture surfaces. Contact orientation uncertain.	136906	15.00	18.00	3.00	11.	1166.	16.	1300.	0.7
16.00	26.00	INT	Rusty limonitic intrusive, weathered to a light brown sericite rich sand. High limonite content. Fist sized blocks show remnant porphyry texture and crumble easily to sand.	136907	18.00	21.00	3.00	8.	1188.	17.	1500.	0.9
				136908	21.00	24.00	3.00	12.	935.	14.	880.	0.5
				136909	24.00	27.00	3.00	36.	621.	19.	700.	0.7
25.75	26.00		Yellow clay gouge.									
26.00	44.00	ARG	Argillite. (Ref. 0-16m).	136910	27.00	30.00	3.00	15.	378.	6.	510.	0.6
				136911	30.00	33.00	3.00	6.	566.	7.	680.	0.5
				136912	33.00	36.00	3.00	7.	505.	7.	520.	0.6
				136913	36.00	39.00	3.00	9.	472.	8.	600.	0.8
				136914	39.00	42.00	3.00	2.	646.	11.	430.	0.5
				136915	42.00	45.00	3.00	2.	635.	19.	420.	0.3
44.00	48.00	INT	Rusty limonitic intrusive, similar to that at 16m, less weathered.	136916	45.00	48.00	3.00	2.	407.	12.	500.	0.1
48.00	60.00	ARG	Dense, black agillite with blocky fracturing. Bands of brown/black fissile argillite.	136917	48.00	51.00	3.00	4.	706.	11.	7600.	0.9
				136918	51.00	54.00	3.00	4.	628.	6.	1500.	0.7
				136919	54.00	57.00	3.00	8.	211.	10.	820.	0.8
56.00	59.00		Black graphitic argillite, consistency of coarse black sand.	136920	57.00	60.00	3.00	25.	76.	7.	2000.	0.7
59.00	60.00		Dense grey clay.									
60.00	200.00	INT	Highly altered and bleached porphyritic									

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			intrusive with blocky fracturing. Matrix varies from white (qz and kaolinite rich) to brown/grey with clay altered feldspar phenos. Qtz stockwork and veining.									
60.00	61.00		Band ofpowdery white kaolinite with	136921	60.00	63.00	3.00	860.	485.	13.	5600.	0.4
			highly silicified intrusive blocks.	136922	63.00	66.00	3.00	390.	901.	21.	4500.	0.3
			Contact is oriented 10/90	136923	66.00	69.00	3.00	4430.	1274.	26.	10800.	1.0
				136924	69.00	72.00	3.00	920.	805.	24.	6700.	0.4
				136925	72.00	75.00	3.00	1130.	1212.	39.	8300.	0.5
				136926	75.00	78.00	3.00	80.	408.	79.	4300.	0.1
				136927	78.00	81.00	3.00	7210.	1346.	17613.	8400.	20.1
79.00	79.25		Massive stibnite vein (10 cm wide) 120/60 NE. Slickensides on vein. Associated red and yellow antimony alteration minerals.	136928	81.00	84.00	3.00	260.	794.	1174.	4500.	0.2
83.00	90.00		Weathered porphyritic intrusive, rich	136929	84.00	87.00	3.00	200.	709.	294.	3600.	0.1
			in biotite and clay altered feldspar	136930	87.00	90.00	3.00	280.	474.	84.	2800.	0.1
			phenos. Band of rusty gouge marks the transition to this sandy unit. 5cm band of white clay at 87m.									
90.00	102.00		Altered limonitic porphyritic intrusive	136931	90.00	93.00	3.00	980.	593.	276.	3900.	0.3
			(ref 60-83m). Abundant qtz veining and	136932	93.00	96.00	3.00	730.	1503.	156.	3800.	0.5
			stockwork.	136933	96.00	99.00	3.00	1450.	2434.	4335.	2800.	1.7
			Stibnite vein at 96m. Intense green	136934	99.00	102.00	3.00	460.	1049.	695.	2700.	0.1
			phyllic alteration around it.									
102.00	115.00		Weathered porphyritic intrusive. Sandy	136935	102.00	105.00	3.00	121.	505.	170.	1200.	0.1
			texture, biotite rich. Fresher blocks	136936	105.00	108.00	3.00	85.	329.	76.	780.	0.1
			have abundant k-spar phenos.	136937	108.00	111.00	3.00	270.	379.	49.	1900.	0.1
				136938	111.00	114.00	3.00	17.	270.	43.	1050.	0.1
				136939	114.00	117.00	3.00	131.	425.	174.	3300.	0.2
115.00	123.00		Limonitic porphyritic intrusive. Intense	136940	117.00	120.00	3.00	420.	560.	70.	2000.	0.2
			green phyllic alteration.	136941	120.00	123.00	3.00	570.	783.	66.	2400.	0.3
			Bands of white clay gouge at 119m and 123m (10 cm wide).									
123.00	125.00		Weathered intrusive as above.	136942	123.00	126.00	3.00	330.	363.	59.	2800.	0.2
			Followed by a band of white clay gouge at 127m.									
125.00	135.00		Limonitic porphyritic intrusive; intense	136943	126.00	129.00	3.00	980.	726.	403.	3200.	0.4
			phyllic alteration. Qz veining and qz	136944	129.00	132.00	3.00	210.	364.	242.	3400.	0.2
			eyes.	136945	132.00	135.00	3.00	1420.	1049.	1770.	3700.	0.7
135.00	164.00		Colour changes to rusty red from pink/	136946	135.00	138.00	3.00	200.	975.	547.	1600.	0.4
			brown. Intense phyllic alteration	136447	138.00	141.00	3.00	430.	984.	574.	5300.	0.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90G-3

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			continues. % Limonite increases.	136948	141.00	144.00	3.00	910.	1490.	2743.	5100.	0.8
			White clay band at 145m.	136949	144.00	147.00	3.00	74.	699.	429.	4600.	0.2
			Sandy white clay band at 153m.	136950	147.00	150.00	3.00	87.	669.	192.	9600.	0.1
			1m of argillite at 156 and 159m.	136951	150.00	153.00	3.00	360.	1178.	199.	7800.	0.5
			intense qtz veining at 162 m. Graphitic	136952	153.00	156.00	3.00	280.	1347.	108.	7600.	0.3
			argillite on one side.	136953	156.00	159.00	3.00	310.	1185.	141.	3200.	0.3
				136954	159.00	162.00	3.00	3520.	1426.	107.	5000.	3.2
				136955	162.00	165.00	3.00	830.	1606.	111.	3000.	0.7
164.00	175.00		Intense qtz veining, qtz eyes and	136956	165.00	168.00	3.00	620.	1323.	109.	2600.	0.5
			stockwork.	136957	168.00	171.00	3.00	330.	830.	94.	3600.	0.3
				136958	171.00	174.00	3.00	42.	395.	122.	2500.	0.2
				136959	174.00	177.00	3.00	102.	784.	66.	3300.	0.6
175.00	177.00		Weathered intrusive on NE wall.									
177.00	185.00		Intrusive as above.	136960	177.00	180.00	3.00	290.	741.	75.	1600.	0.2
				136961	180.00	183.00	3.00	133.	581.	79.	2900.	0.2
				136962	183.00	186.00	3.00	44.	323.	86.	2100.	0.1
185.00	200.00		Grades into fresh (biotite and k-spar	136963	186.00	189.00	3.00	20.	101.	25.	820.	0.1
			rich) monzonite. Blocks up to 1.5m.	136964	189.00	192.00	3.00	133.	323.	25132.	1300.	0.7
				136965	192.00	195.00	3.00	32.	345.	94.	650.	0.1
				136966	195.00	198.00	3.00	15.	180.	101.	560.	0.1
				136967	198.00	201.00	3.00	14.	75.	36.	120.	0.2
200.00	246.00	FLOAT	Altered intrusive talus (??) overrides	136968	201.00	204.00	3.00	10.	160.	112.	310.	0.2
			the blocky fractured monzonite. Minor	136969	204.00	207.00	3.00	58.	926.	567.	1800.	0.6
			argillite component to talus overburden.	136970	207.00	210.00	3.00	21.	445.	567.	2600.	0.3
				136971	210.00	213.00	3.00	74.	457.	212.	5400.	0.6
213.00	216.00		Pod of highly silicified intrusive,	136972	213.00	216.00	3.00	49.	875.	691.	3500.	0.5
			abundant qtz veining.	136973	216.00	219.00	3.00	46.	1643.	1821.	3000.	0.9
				136974	219.00	222.00	3.00	17.	772.	744.	590.	0.1
				136975	222.00	225.00	3.00	740.	1689.	872.	3100.	0.3
224.00	228.00		Pod of outcrop as at 214m.	136976	225.00	228.00	3.00	1180.	1938.	818.	1900.	0.4
				136977	228.00	231.00	3.00	137.	1016.	144.	3300.	0.2
229.00	232.00		Band of cooked argillite caps silicious	136978	231.00	234.00	3.00	59.	876.	139.	3600.	0.2
			intrusive pod.	136979	234.00	237.00	3.00	390.	1783.	90.	3300.	0.1
				136980	237.00	240.00	3.00	760.	1751.	80.	4500.	0.1
				136981	240.00	243.00	3.00	1740.	3229.	51.	2800.	0.4
				136982	243.00	246.00	3.00	220.	1279.	49.	3900.	0.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90G-3
Grid System : ORIGINAL
Collar Eastings : 21653.020
Collar Northings : 19934.750
Collar Elevations : 1025.190
Collar Bearing : 177.12
Grid Baseline : 66.00

Collar Inclination : -14.02
Grid Bearing : 156.00
Final Depth : 246.00
Claim No. :

Logged by : GREG GILLSTROM
Date : JULY 1, 1990 - JULY 9, 199(
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
15.00	27.00						1	25															
63.00	91.00	3.25	2.5				3	3	2														

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90G-3

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
91.00	102.00	2.25	2				3	4	2.5													
115.00	123.00	2	2				3	4	1													
128.00	184.00	2	2				3	7	2													

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90G-3

GEOCHEMICAL SAMPLES												GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %		FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
213.00	220.00	3					1	3	3.5														
223.00	228.00	3					1	3	3.5														

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90G-4
Grid System : ORIGINAL
Collar Eastings : 21885.140
Collar Northings : 19519.740
Collar Elevations : 925.080
Collar Bearing : 169.85
Grid Baseline : 66.00

Collar Inclination : 9.54
Grid Bearing : 156.00
Final Depth : 147.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	54.00	INT	White clay gouge band 3m thick, striking	136676	0.00	3.00	3.00	1190.	1885.	48.	4800.	0.7
			95; followed by highly altered limonitic	136677	3.00	6.00	3.00	1950.	2288.	43.	3700.	1.0
			porphyritic intrusive. Intense phyllic	136678	6.00	9.00	3.00	1680.	2305.	72.	10000.	1.0
			and argillic alteration. Abundant qtz	136679	9.00	12.00	3.00	540.	1108.	60.	4200.	0.3
			stockwork and veining. Larger blocks have	136680	12.00	15.00	3.00	310.	1215.	83.	1500.	0.8
			blue phyllic (Qtz, sericite, and minor	136681	15.00	18.00	3.00	270.	1229.	82.	2500.	0.8
			pyrite) alteration cores. Mn oxide staining.									
16.00	17.00		Minor calcareous section.									
17.00	25.00		Decrease in argillic alteration and	136682	18.00	21.00	3.00	180.	503.	55.	2800.	0.5
			qtz stockwork.	136683	21.00	24.00	3.00	64.	593.	33.	2000.	0.2
				136684	24.00	27.00	3.00	170.	889.	27.	1800.	0.1
26.00	43.00		20cm white gouge band striking 92. Qtz	136685	27.00	30.00	3.00	77.	360.	47.	1500.	0.7
			stockwork cont. Abundant phyllic alt'n	136686	30.00	33.00	3.00	210.	189.	106.	1100.	1.4
			cores (qtz, sericite, minor pyrite). Qz	136687	33.00	36.00	3.00	180.	348.	125.	1200.	2.0
			eyes.	136688	36.00	39.00	3.00	73.	213.	83.	1100.	2.2
				136689	39.00	42.00	3.00	160.	839.	73.	1200.	0.8
				136690	42.00	45.00	3.00	180.	882.	81.	1400.	1.4
43.00	45.00		Bleached section: kaolinite, sericite	136691	45.00	48.00	3.00	290.	1555.	29.	1200.	0.4
			and qtz.									
48.00	54.00		Decrease in phyllic and argillic alt'n.	136692	48.00	51.00	3.00	11.	225.	40.	2000.	0.3
			Matrix silicification. Increase in size	136693	51.00	54.00	3.00	7.	135.	18.	3100.	0.1
			of clay altered feldspar phenos.									
			Abundant qz eyes.									
54.00	57.00	ARG	Section of blue clay and fractured black	136694	54.00	57.00	3.00	2.	56.	19.	630.	0.1
			argillite.									
57.00	79.00	INT	Weathered (biotite/kspar) porphyry	136695	57.00	60.00	3.00	2.	80.	17.	650.	0.1
			intrusive. Feldspar phenos vary from fresh	136696	60.00	63.00	3.00	1.	58.	14.	560.	0.1
			to completely clay altered. Brown	136697	63.00	66.00	3.00	1.	61.	14.	580.	0.1
			weathered matrix.	136698	66.00	69.00	3.00	1.	54.	17.	2300.	0.1
				136699	69.00	72.00	3.00	1.	125.	13.	3500.	0.1
				136700	72.00	75.00	3.00	40.	452.	19.	2200.	0.3
				136701	75.00	78.00	3.00	21.	346.	34.	1800.	2.6

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90G-4

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				136702	78.00	81.00	3.00	37.	1063.	28.	2400.	0.4
79.00	83.00	FLOAT	Overburden. Black muddy clay with clasts of rusty intrusive and argillite. (At 83m, trench deepened to 4m).	136703	81.00	84.00	3.00	4.	66.	12.	2100.	0.3
83.00	141.00	INT	Limonitic porphyritic intrusive. Argillic alteration of matrix and feldspar phenos.	136704	84.00	87.00	3.00	36.	363.	41.	2800.	1.3
				136705	87.00	90.00	3.00	7.	350.	24.	3000.	0.7
				136706	90.00	93.00	3.00	6.	393.	51.	2600.	0.9
				136707	93.00	96.00	3.00	4.	255.	21.	2800.	0.4
				136708	96.00	99.00	3.00	7.	154.	20.	1900.	0.4
				136709	99.00	102.00	3.00	7.	145.	16.	2500.	0.1
101.00	101.50		Minor white clay gouge band.									
102.00	114.00		Colour change of weathered surface from rusty brown to pink brown, minor spotty disseminated pyrite. 107-110m: Grey oxide staining on fracture surfaces	136710	102.00	105.00	3.00	2.	74.	17.	570.	0.1
				136711	105.00	108.00	3.00	1.	188.	15.	1100.	0.1
				136712	108.00	111.00	3.00	1.	72.	16.	2000.	0.4
				136713	111.00	114.00	3.00	7.	96.	23.	2200.	1.1
114.00	115.00		Intense hematite staining on fracture surfaces.	136714	114.00	117.00	3.00	14.	117.	16.	2100.	1.3
				136715	117.00	120.00	3.00	6.	121.	20.	2800.	1.0
				136716	120.00	123.00	3.00	16.	107.	27.	1800.	0.7
121.00	123.00	ARG	Spotty black argillite. Outcrop quality degenerating. Smaller blocks, increase in sand in outcrop, shallowing of trench.	136717	123.00	126.00	3.00	32.	306.	12.	1600.	0.1
				136718	126.00	129.00	3.00	148.	573.	17.	1500.	0.3
				136719	129.00	132.00	3.00	73.	257.	20.	1900.	0.1
				136720	132.00	135.00	3.00	23.	246.	16.	1700.	0.1
				136721	135.00	138.00	3.00	31.	400.	32.	1400.	0.2
				136722	138.00	141.00	3.00	58.	366.	47.	1900.	0.4
141.00	145.00	ARG	Black fractured argillite.	136723	141.00	144.00	3.00	290.	895.	157.	2300.	0.1
				136724	144.00	147.00	3.00	380.	709.	149.	2500.	0.1
145.00	147.00	INT	Intrusive, cont.									

BORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90G-4
Grid System : ORIGINAL
Collar Eastings : 21885.140
Collar Northings : 19519.740
Collar Elevations : 925.080
Collar Bearing : 169.85
Grid Baseline : 66.00

Collar Inclination : 9.54
Grid Bearing : 156.00
Final Depth : 147.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

GEOCHEMICAL SAMPLES

FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
0.00	54.00	2-3	2-3				2.5-3.5	5-10	2.5-3	

GEOTECHNICAL SAMPLES

FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90G-4

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
83.00	141.00	2-3	1				1-2	1-3															
145.00	147.00	1-1.5	1-2				1-1.5	1-3															

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90G-5
Grid System : ORIGINAL
Collar Eastings : 21972.670
Collar Northings : 19556.070
Collar Elevations : 918.690
Collar Bearing : 175.69
Grid Baseline : 66.00

Collar Inclination : -4.25
Grid Bearing : 156.00
Final Depth : 174.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	66.00	INT*M	Weathered, biotite kspar rich porphyritic intrusive. Degree of weathering varies from minor clay alteration of feldspar phenocrysts to complete disintegration in the form of biotite rich coarse sand. Weathered blocks have purple/brown matrix. Alteration of biotite to sericite in some sections.	136626	0.00	3.00	3.00	129.	618.	182.	1100.	0.9
				136627	3.00	6.00	3.00	530.	881.	249.	2800.	0.6
				136628	6.00	9.00	3.00	910.	1347.	268.	5000.	0.3
				136629	9.00	12.00	3.00	580.	1187.	285.	5600.	0.1
				136630	12.00	15.00	3.00	87.	184.	54.	1800.	0.1
				136631	15.00	18.00	3.00	102.	344.	61.	7500.	0.1
				136632	18.00	21.00	3.00	890.	1454.	120.	9600.	0.6
				136633	21.00	24.00	3.00	175.	650.	85.	7800.	0.2
				136634	24.00	27.00	3.00	1270.	1539.	461.	5200.	0.3
				136635	27.00	30.00	3.00	47.	263.	47.	6800.	0.1
				136636	30.00	33.00	3.00	51.	310.	55.	7700.	0.1
				136637	33.00	36.00	3.00	55.	323.	52.	7200.	0.2
				136638	36.00	39.00	3.00	40.	154.	70.	8200.	0.1
				136639	39.00	42.00	3.00	24.	74.	17.	2500.	0.4
				136640	42.00	45.00	3.00	48.	167.	18.	3300.	0.1
43.00	46.00		Biotite rich sand. Porphyry texture apparent in undisturbed sand.	136641	45.00	48.00	3.00	1160.	1623.	103.	11000.	0.3
46.00	51.00		Blocky weathered intrusive cont.	136642	48.00	51.00	3.00	300.	448.	80.	6800.	0.1
51.00	56.00		Silicified matrix, calcite veining.	136643	51.00	54.00	3.00	1610.	1759.	53.	6400.	0.5
				136644	54.00	57.00	3.00	1750.	2711.	61.	7300.	0.7
56.00	57.00		Rusty gouge.									
57.00	66.00		Absence of porphyry texture, very silicified pink matrix, rusty. Minor calcite veining.	136645	57.00	60.00	3.00	600.	879.	27.	3800.	0.2
				136646	60.00	63.00	3.00	500.	1372.	56.	3400.	0.3
				136647	63.00	66.00	3.00	710.	1160.	36.	5400.	0.4
66.00	109.00	FLOAT	Intrusive dips down into trench. Hard blue muddy clay covers intrusive. Clasts of argillite and rusty intrusive in mud.	136648	66.00	69.00	3.00	95.	1129.	41.	4400.	0.1
				136649	69.00	72.00	3.00	240.	133.	27.	1400.	0.2
				136651	108.00	111.00	3.00	84.	205.	27.	1900.	0.5
109.00	117.00	INT*M	Rusty weathered intrusive as above, minor qtz eyes.	136652	111.00	114.00	3.00	14.	94.	20.	2000.	0.2
				136653	114.00	117.00	3.00	7.	50.	17.	1300.	0.1
117.00	132.00	FLOAT	Muddy clay overburden as 66m.	136654	117.00	120.00	3.00	1.	285.	25.	2200.	0.4
				136655	129.00	132.00	3.00	3.	169.	50.	2300.	0.3
132.00	174.00	INT*M	Trench deepened 1m. Rusty weathered	136656	132.00	135.00	3.00	3.	43.	12.	460.	0.1

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			intrusive as above.									
134.00	136.00		Spotty black argillite.	136657	135.00	138.00	3.00	6.	83.	10.	2300.	0.1
136.00	139.00		Rusty/sandy clay and argillic altered intrusive.	136658	138.00	141.00	3.00	1.	64.	13.	1600.	0.2
139.00	140.00		Spotty black argillite									
140.00	147.00		Rusty/sandy clay and argillic altered intrusive.	136659	141.00	144.00	3.00	5.	54.	10.	1100.	0.2
				136660	144.00	147.00	3.00	590.	142.	106.	1400.	0.8
147.00	151.00		Bleached intrusive with abundant kaolinite clay.	136661	147.00	150.00	3.00	59.	312.	37.	1500.	0.1
				136662	150.00	153.00	3.00	59.	195.	35.	3300.	0.6
151.00	153.00		Band of blue clay and fractured black argillite.									
153.00	162.00		Intrusive appears cooked with hard silicified matrix, soft clay altered feldspar phenos.	136663	153.00	156.00	3.00	83.	357.	19.	3500.	0.1
				136664	156.00	159.00	3.00	32.	173.	22.	1200.	0.1
				136665	159.00	162.00	3.00	27.	328.	23.	1800.	0.1
162.00	165.00		Colour change of weathered surface from rusty brown to red.	136666	162.00	165.00	3.00	230.	1132.	48.	2800.	0.2
165.00	174.00		Calcareous matrix.	136667	165.00	168.00	3.00	320.	2283.	58.	5100.	0.8
				136668	168.00	171.00	3.00	390.	1313.	39.	5400.	0.2
				136669	171.00	174.00	3.00	260.	1095.	32.	4900.	0.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90G-6
Grid System : ORIGINAL
Collar Eastings : 22068.840
Collar Northings : 19576.050
Collar Elevations : 901.180
Collar Bearing : 172.77
Grid Baseline : 66.00

Collar Inclination : 1.29
Grid Bearing : 156.00
Final Depth : 104.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	7.00	INT	Pink/brown feldspar porphyritic intrusive.	136601	0.00	3.00	3.00	79.	392.	16.	3400.	0.1
			White clay altered feldspar phenos.	136602	3.00	6.00	3.00	420.	993.	21.	3800.	0.2
			Larger blocks have blue/white fresh porphyritic cores. Intrusive is weathered to biotite rich sand in many places.	136603	6.00	9.00	3.00	31.	108.	6.	1900.	0.2
7.00	37.00	INT	Grey, weathered k-spar/biotite porphyritic intrusive, minor altered sections.	136604	9.00	12.00	3.00	3.	20.	8.	450.	0.1
				136605	12.00	15.00	3.00	76.	364.	36.	4600.	1.5
				136606	15.00	18.00	3.00	210.	501.	34.	3800.	0.7
				136607	18.00	21.00	3.00	570.	668.	103.	1800.	0.6
				136608	21.00	24.00	3.00	22.	75.	29.	1400.	0.1
				136609	24.00	27.00	3.00	78.	237.	36.	3200.	0.8
				136610	27.00	30.00	3.00	18.	79.	31.	2900.	0.3
				136611	30.00	33.00	3.00	35.	246.	74.	4600.	0.2
				136612	33.00	36.00	3.00	200.	726.	200.	4300.	0.3
				136613	36.00	39.00	3.00	1630.	1321.	150.	4600.	0.5
37.00	75.00	INT	Altered, silicified porphyritic intrusive, abundant Mn oxide staining on fracture surfaces.									
38.00	38.10		Small red stained band runs across the trench at 40 degrees.	136614	39.00	42.00	3.00	570.	984.	2304.	3400.	0.5
40.00	44.00		Minor sections of biotite rich unaltered porphyritic intrusive.	136615	42.00	45.00	3.00	590.	770.	2528.	3100.	0.5
44.00	44.10		Rusty qz vein, minor yellow antimony ochre	136616	45.00	48.00	3.00	84.	406.	48.	1200.	0.1
48.00	48.10		Slickensides, trend 30 deg, plunge 40 deg.	136617	48.00	51.00	3.00	310.	1136.	49.	1400.	0.1
48.10	54.00		Fresh monzonite (biotite/kspar porphyry int.)	136618	51.00	54.00	3.00	35.	241.	36.	380.	0.1
54.00	57.00		Intrusive weathered to rusty biotite rich sand	136619	54.00	57.00	3.00	24.	177.	34.	1100.	0.1
57.00	57.10		10cm band of purple staining.	136620	57.00	60.00	3.00	11.	77.	18.	120.	0.1
58.00	60.00		Weathered unaltered intrusive. Purple stained band 40/40 NE AT 59m.									
60.00	63.00		7 more thin red bands.	136621	60.00	63.00	3.00	44.	272.	79.	2000.	0.2

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90G-6

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
63.00	75.00		Pink/brown silicified porphyritic int. (Calcareous matrix)	136622	63.00	66.00	3.00	430.	869.	39.	2600.	0.2
				136623	66.00	69.00	3.00	133.	651.	41.	4200.	0.2
				136624	69.00	72.00	3.00	27.	287.	44.	6100.	0.1
				136625	72.00	75.00	3.00	800.	1019.	45.	4600.	0.5

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90G-6
Grid System : ORIGINAL
Collar Eastings : 22068.040
Collar Northings : 19576.050
Collar Elevations : 901.180
Collar Bearing : 172.77
Grid Baseline : 66.00

Collar Inclination : 1.29
Grid Bearing : 156.00
Final Depth : 104.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON
Core Size :

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
0.00	7.00	1.5	1			1-3	1																
37.00	75.00	1.5	2			2-3	1	0-1	0-1														

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90G-7
Grid System : ORIGINAL
Collar Eastings : 21480.070
Collar Northings : 20249.740
Collar Elevations : 1118.490
Collar Bearing : 183.42
Grid Baseline : 66.00

Collar Inclination : -18.48
Grid Bearing : 156.00
Final Depth : 174.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	47.00	CHERT	Fractured, weathered, blue/grey chert,	136726	0.00	3.00	3.00	65.	133.	9.	270.	1.7
			chert/shale breccia (angular clasts of	136727	3.00	6.00	3.00	51.	194.	8.	190.	3.2
			green and black shale, chert and	136728	6.00	9.00	3.00	340.	643.	15.	210.	3.1
			argillite. Abundant quartz veining. Spotty	136729	9.00	12.00	3.00	119.	958.	27.	500.	2.7
			interbedded, brown and green clay layers.	136730	12.00	15.00	3.00	81.	501.	11.	380.	1.5
				136731	15.00	18.00	3.00	48.	372.	10.	190.	0.7
				136732	18.00	21.00	3.00	52.	545.	11.	490.	0.4
21.00	30.00		Brown, sandy clay with chert fragments.	136733	21.00	24.00	3.00	43.	702.	10.	650.	1.4
				136734	24.00	27.00	3.00	81.	468.	18.	2300.	0.4
				136735	27.00	30.00	3.00	51.	357.	13.	1200.	0.7
				136736	30.00	33.00	3.00	41.	330.	19.	2200.	0.3
31.00	34.00		Apparent fault, slickensided on larger	136737	33.00	36.00	3.00	84.	532.	17.	18000.	1.2
			chert blocks. Chert is cooked white -									
			abundant powdery kaolinite.									
34.00	47.00		Cooked and weathered chert breccia	136738	36.00	39.00	3.00	86.	383.	10.	6800.	0.6
			continues. Areas of clay banding.	136739	39.00	42.00	3.00	79.	488.	13.	7600.	0.5
				136740	42.00	45.00	3.00	149.	479.	7.	28000.	0.4
				136741	45.00	48.00	3.00	390.	1095.	17.	17000.	1.1
47.00	51.00	ARG	Black graphitic argillite, fissile to	136742	48.00	51.00	3.00	410.	722.	18.	9200.	2.8
			blocky.									
51.00	79.00	CHERT	Bedded green/grey chert with intensely	136743	51.00	54.00	3.00	680.	958.	32.	6500.	2.7
			weathered sections of rusty clay and	136744	54.00	57.00	3.00	92.	403.	14.	1500.	1.0
			fragmented chert.	136745	57.00	60.00	3.00	78.	520.	16.	5800.	1.5
				136746	60.00	63.00	3.00	70.	499.	11.	6400.	1.1
				136747	63.00	66.00	3.00	60.	419.	10.	6000.	0.7
66.00	71.00		Rusty/sandy clay with highly weathered	136748	66.00	69.00	3.00	119.	378.	10.	3200.	0.1
			chert fragments.	136749	69.00	72.00	3.00	90.	307.	8.	2700.	0.1
71.00	79.00		Bedded chert, cont.	136750	72.00	75.00	3.00	71.	337.	8.	6600.	0.3
				136751	75.00	78.00	3.00	109.	470.	7.	7100.	0.3
				136752	78.00	81.00	3.00	7.	253.	2.	5580.	0.3
79.00	104.00	INT										
79.00	79.10		10 cm band of white/green sericite rich	136753	81.00	84.00	3.00	30.	31.	1.	390.	0.2

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90G-7

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			clay. Biotite/kspar porphyry intrusive. weathered to biotite rich sandy clay in places.									
82.00	84.00		Intrusive weathered to limonite/kaolinite sandy clay.									
84.00	89.00		Blocky fresh intrusive.	136754	84.00	87.00	3.00	50.	27.	2.	240.	0.9
				136755	87.00	90.00	3.00	20.	58.	2.	180.	0.3
89.00	99.00		Rusty weathered biotite rich intrusive.	136756	90.00	93.00	3.00	28.	186.	3.	230.	0.2
				136757	93.00	96.00	3.00	10.	185.	3.	1500.	0.1
				136758	96.00	99.00	3.00	21.	93.	2.	160.	0.1
				136759	99.00	102.00	3.00	29.	52.	2.	240.	0.1
				136760	102.00	105.00	3.00	27.	113.	3.	600.	0.6
104.00	126.00	CHERT	Faulted contact, orientation obscured.	136761	105.00	108.00	3.00	65.	160.	14.	1100.	2.0
			Grey/green to buff bedded chert. Abundant	136762	108.00	111.00	3.00	51.	162.	11.	440.	2.4
			qz veining.	136763	111.00	114.00	3.00	4.	251.	13.	940.	2.8
				136764	114.00	117.00	3.00	56.	109.	7.	710.	0.8
				136765	117.00	120.00	3.00	60.	133.	11.	840.	0.5
				136766	120.00	123.00	3.00	36.	91.	5.	480.	0.1
				136767	123.00	126.00	3.00	47.	178.	13.	730.	0.5
126.00	174.00	INT	Biotite kspar rich porphyry intrusive.	136768	126.00	129.00	3.00	34.	128.	8.	1300.	0.2
			Weathered to biotite rich sandy clay	136769	129.00	132.00	3.00	26.	66.	2.	660.	0.1
			in some sections. Grey matrix, feldspar phenos are weathered to white and yellow clay.									
132.00	134.00		Distinct change in matrix colour from grey to light green.	136770	132.00	135.00	3.00	10.	20.	2.	70.	0.1
134.00	138.00		Intrusive appears cooked with a light grey 'ash' on fracture surfaces.	136771	135.00	138.00	3.00	7.	14.	2.	140.	0.1
138.00	174.00		Blocky weathered intrusive as 126m in	136772	138.00	141.00	3.00	6.	24.	2.	380.	0.1
			biotite sandy/clay continues to end of	136773	141.00	144.00	3.00	11.	15.	2.	100.	0.1
			trench.	136774	144.00	147.00	3.00	22.	26.	16.	110.	0.2
				136775	147.00	150.00	3.00	13.	12.	2.	50.	0.1
				136776	150.00	153.00	3.00	10.	18.	2.	90.	0.1
				136777	153.00	156.00	3.00	9.	11.	2.	40.	0.2
				136778	156.00	159.00	3.00	6.	14.	2.	50.	0.1
				136779	159.00	162.00	3.00	9.	12.	2.	20.	0.1
				136780	162.00	165.00	3.00	6.	15.	2.	30.	0.1
				136781	165.00	168.00	3.00	3.	17.	2.	40.	0.1

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90G-7

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				136782	168.00	171.00	3.00	2.	24.	2.	40.	0.1
				136783	171.00	174.00	3.00	4.	27.	2.	90.	0.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCTR90G-8
Grid System : ORIGINAL
Collar Eastings : 22038.390
Collar Northings : 19933.450
Collar Elevations : 970.000
Collar Bearing : 365.54
Grid Baseline : 66.00

Collar Inclination : -5.60
Grid Bearing : 156.00
Final Depth : 170.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	9.00	INT	Weathered k-spar/biotite porphyritic intrusive. Abundant clay altered feldspar phenocrysts and fresh biotite. Block faulted.	136801	0.00	3.00	3.00	33.	123.	7.	730.	0.1
				136802	3.00	6.00	3.00	53.	141.	11.	2500.	0.1
5.00	5.50		.5m band of white clay gouge and biotite rich sand.	136803	6.00	9.00	3.00	450.	733.	107.	2800.	0.2
9.00	15.00	INT	Limonitic porphyritic altered intrusive. Fine qz stockwork and qz veining up to .5cm. High limonite content, no fresh biotite, bleached sections, abundant Mn oxide on fracture surfaces.	136804	9.00	12.00	3.00	1610.	1990.	243.	8200.	17.4
				136805	12.00	15.00	3.00	1260.	1733.	134.	5400.	0.9
15.00	18.00	ARG	Band of black argillite. Highly fractured and graphitic.	136806	15.00	18.00	3.00	4070.	1490.	146.	5300.	1.4
18.00	24.00	INT	Limonitic porphyritic intrusive. Abundant qz stockwork and veining as 9m. Increase in silicification of matrix.	136807	18.00	21.00	3.00	7110.	1691.	3863.	3800.	1.7
19.00	21.00		Major qz and stibnite (42/80 NE) vein. Slickensides on vein surfaces.	136808	21.00	24.00	3.00	750.	589.	124.	2300.	1.1
24.00	60.00	M*INT	Weathered porphyritic intrusive. Pink silicified matrix, white clay altered feldspar phenos. Grades into fresh and weathered biotite rich porphyritic int. (monzonite)	136809	24.00	27.00	3.00	51.	260.	35.	2500.	0.1
				136810	27.00	30.00	3.00	850.	390.	21.	4700.	0.2
				136811	30.00	33.00	3.00	100.	397.	15.	4100.	0.1
				136812	33.00	36.00	3.00	27.	308.	11.	3800.	0.1
				136813	36.00	39.00	3.00	32.	402.	13.	5600.	0.2
				136814	39.00	42.00	3.00	15.	113.	10.	3500.	0.1
				136815	42.00	45.00	3.00	7.	82.	8.	1800.	0.1
				136816	45.00	48.00	3.00	13.	182.	11.	3900.	0.1
				136817	48.00	51.00	3.00	6.	70.	2.	1300.	0.1
51.00	60.00		Increase in block size - up to 2m.	136818	51.00	54.00	3.00	4.	30.	2.	420.	0.1
				136819	54.00	57.00	3.00	15.	48.	2.	540.	0.1
				136820	57.00	60.00	3.00	3.	106.	15.	2000.	0.1
60.00	66.00	OVBR	Overburden filling in a depression.	136821	60.00	63.00	3.00	6.	93.	18.	2600.	0.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCTR90G-8

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				136822	63.00	66.00	3.00	86.	438.	23.	3100.	0.1
66.00	69.00	INT	Porphyritic intrusive, purple brown silicified matrix, abundant bleached biotite	136823	66.00	69.00	3.00	63.	417.	34.	3800.	0.1
69.00	170.00	OVBR	Overburden. Sampled to 81m.	136824	69.00	72.00	3.00	24.	245.	6.	160.	0.5
				136825	72.00	75.00	3.00	67.	161.	4.	650.	0.1
				136826	75.00	78.00	3.00	82.	741.	13.	2300.	0.1
				136827	78.00	81.00	3.00	91.	573.	11.	2500.	0.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY
HOLE No. : BCTR90G-8
Grid System : ORIGINAL
Collar Eastings : 22038.390
Collar Northings : 19933.450
Collar Elevations : 970.000
Collar Bearing : 365.54
Grid Baseline : 66.00

Collar Inclination : -5.60
Grid Bearing : 156.00
Final Depth : 170.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON
Core Size :

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
9.00	15.00	1.5	3				2	10-20	3.5													
18.00	24.00	2	3.5				3	10-20	3.5													
24.00	60.00	1.5	2				1.5	1-3														
66.00	69.00	1.5	2				1.5	1-3														

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90G-9
Grid System : ORIGINAL
Collar Eastings : 21964.810
Collar Northings : 19923.450
Collar Elevations : 982.000
Collar Bearing : 343.79
Grid Baseline : 66.00

Collar Inclination : 13.01
Grid Bearing : 156.00
Final Depth : 66.00
Claim No. :

Logged by : MICHELLE ROBINSON
Date : -
Downhole Survey :
Drilled By : CARON
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	17.00	INT	Biotite kspar porphyry intrusive. Varies from silicified pink matrix to completely weathered biotite rich sand; white clay altered phenos.	137044	0.00	3.00	3.00	400.	665.	182.	N/A	0.8
				137045	3.00	6.00	3.00	107.	511.	22.	N/A	0.4
6.00	7.00		1cm wide vertical red bands.	137046	6.00	9.00	3.00	43.	276.	19.	N/A	0.1
				137047	9.00	12.00	3.00	53.	142.	13.	N/A	0.1
9.50	12.00		Hard silicified blocks with MnO2 staining on fracture surfaces.									
12.00	13.00		Highly phyllically and argillically altered intrusive. Minor qz stwk. No biotite. Abundant sericite and kaolinite. 10 cm wide purple band marks the 13m contact.	137048	12.00	15.00	3.00	7.	33.	9.	N/A	0.1
13.00	13.50		Intense rusty staining in sandy biotite rich altered intrusive.	137049	15.00	18.00	3.00	12.	116.	8.	N/A	0.1
17.00	24.00	INT	Highly altered and silicified porphyritic intrusive. Abundant qz veining & MnO2 staining. No fresh biotite. Matrix varies from green phyllically altered to brown and limonitic.	137050	18.00	21.00	3.00	3.	119.	16.	N/A	0.1
19.00	20.00		Rusty biotite rich sand.	137051	21.00	24.00	3.00	13.	206.	11.	N/A	0.1
24.00	32.00	INT	Biotite kspar porphyry as 0-17m.									
24.00	26.00		Very rusty biotite rich sand/intrusive.	137052	24.00	27.00	3.00	6.	26.	8.	N/A	0.1
				137053	27.00	30.00	3.00	7.	16.	3.	N/A	0.1
				137054	30.00	33.00	3.00	4.	74.	6.	N/A	0.1
32.00	35.00	INT	Altered and silicified intrusive as 17-24m. Very abundant qz veins.	137055	33.00	36.00	3.00	3.	84.	8.	N/A	0.1
35.00	66.00	INT	Biotite k-spar porphyry as 0m. Numerous random red bands.	137056	36.00	39.00	3.00	3.	16.	4.	N/A	0.1
				137057	39.00	42.00	3.00	2.	92.	9.	N/A	0.1
40.00	42.00		Altered silicified intrusive. Abundant MnO2 staining - minor clay band at 42m.	137058	42.00	45.00	3.00	9.	26.	5.	N/A	0.1
				137059	45.00	48.00	3.00	5.	100.	8.	N/A	0.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTB90G-9

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
46.00	51.00		Minor qz stwk.	137060	48.00	51.00	3.00	4.	53.	7.	N/A	0.1
				137061	51.00	54.00	3.00	3.	30.	6.	N/A	0.1
				137062	54.00	57.00	3.00	1.	99.	6.	N/A	0.1
				137063	57.00	60.00	3.00	13.	595.	16.	N/A	0.2
59.00	60.00		Minor MnO2 filled vugs.	137064	60.00	63.00	3.00	113.	1086.	14.	N/A	0.1
				137065	63.00	66.00	3.00	600.	1342.	8.	N/A	0.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90G-9
Grid System : ORIGINAL
Collar Eastings : 21964.810
Collar Northings : 19923.450
Collar Elevations : 982.000
Collar Bearing : 343.79
Grid Baseline : 66.00

Collar Inclination : 13.01
Grid Bearing : 156.00
Final Depth : 66.00
Claim No. :

Logged by : MICHELLE ROBINSON
Date : -
Downhole Survey :
Drilled By : CARON
Core Size :

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
0.00	17.00																					
17.00	24.00	2.5-3	2.5			3	1-3	3														
24.00	32.00																					
32.00	35.00	2	2.5			3	1-3	3														
35.00	40.00																					
40.00	42.00	2	2.5			3	1-3	3														
42.00	66.00																					

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90G-10
Grid System : ORIGINAL
Collar Eastings : 22083.710
Collar Northings : 19928.950
Collar Elevations : 954.400
Collar Bearing : 365.84
Grid Baseline : 66.00

Collar Inclination : -4.41
Grid Bearing : 156.00
Final Depth : 42.00
Claim No. :

Logged by : MICHELLE ROBINSON
Date : -
Downhole Survey :
Drilled By : CARON
Core Size :

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	1.00	ARG	Fissile black shale overrides intrusive. Contact dips SE at approx 25 deg.	137103	0.00	3.00	3.00	72.	771.	80.	1500.	1.0
1.00	9.00	INT	Rusty weathered porphyritic intrusive with k-spar phenos and biotite. Spotty qz stwk. Abundant MnO2 staining on fracture surfaces. Biotite is altered to sericite in some sections.	137104	3.00	6.00	3.00	74.	719.	53.	760.	0.4
				137105	6.00	9.00	3.00	210.	2247.	22.	130.	1.0
9.00	14.00	ARG	Contacts intrusive at approx 100/27 SE. Black argillite with abundant qz stwk. Fissile to blocky. Fissile soft grey shale 1m thick overrides argillite.	137106	9.00	12.00	3.00	8.	157.	25.	200.	0.6
				137107	12.00	15.00	3.00	5.	203.	21.	110.	0.2
14.00	36.00	INT	Contacts argillite at approx 100/27 SE. Highly altered limonitic porphyritic intrusive. No biotite. Abundant qz stwk and veining; MnO2 staining on fracture surfaces.	137108	15.00	18.00	3.00	8.	158.	35.	250.	0.1
				137109	18.00	21.00	3.00	55.	329.	80.	1900.	0.3
19.00	19.05		Small stibnite vein & minor pyrite blebs.									
21.00	21.05		Small stibnite vein; abundant qz stwk.	137110	21.00	24.00	3.00	350.	967.	2607.	3600.	1.9
				137111	24.00	27.00	3.00	550.	465.	156.	2700.	1.0
27.00	36.00		Increase in qz veining and stwk. Abundant stibnite and yellow antimony ochre.	137112	27.00	30.00	3.00	1470.	964.	1387.	2500.	2.0
				137113	30.00	33.00	3.00	4050.	2671.	1184.	15000.	1.3
				137114	33.00	36.00	3.00	5130.	3078.	72.	6500.	1.0
36.00	42.00	ARG	Black graphitic argillite. Contact uncertain due to permafrost - marked by yellow clay gouge mixed with argillite. Samples 137115 & 137116 are suspect.	137115	36.00	39.00	3.00	2900.	702.	528.	2200.	1.0
				137116	39.00	42.00	3.00	1740.	476.	384.	5800.	0.9

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90G-10
Grid System : ORIGINAL
Collar Eastings : 22083.710
Collar Northings : 19928.950
Collar Elevations : 954.400
Collar Bearing : 365.64
Grid Baseline : 66.0

Collar Inclination : -4.41
Grid Bearing : 156.00
Final Depth : 42.00
Claim No. :

Logged by : MICHELLE ROBINSON
Date : -
Downhole Survey :
Drilled By : CARON
Core Size :

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sx %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
0.00	1.00																						
1.00	9.00	1.5	1.5				1.5	10-15	1														
9.00	14.00																						
14.00	27.00	2.5	3-3.5				2	5-15	3														
27.00	36.00	2.5	3-3.5				2	5-15	3.5-4														
36.00	42.00																						

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEL
HOLE No. : BCTR90G-11
Grid System : ORIGINAL
Collar Eastings : 21446.900
Collar Northings : 20506.500
Collar Elevations : 1152.900
Collar Bearing : 367.45
Grid Baseline : 66.00

Collar Inclination : 0.71
Grid Bearing : 156.00
Final Depth : 111.00
Claim No. :

Logged by : MICHELLE ROBINSON
Date : -
Downhole Survey :
Drilled By : CARON
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	13.00	BRECIA	Chert breccia; angular clasts of chert and black argillite. Colour varies from green/blue to grey. Rusty with qz veining.	137066	0.00	3.00	3.00	380.	1180.	20.	33000.	0.4
				137067	3.00	6.00	3.00	210.	204.	12.	4500.	0.1
				137068	6.00	9.00	3.00	230.	251.	8.	9600.	0.1
				137069	9.00	12.00	3.00	49.	94.	13.	5800.	0.1
				137070	12.00	15.00	3.00	73.	559.	38.	13000.	0.3
13.00	76.00	INT	Rusty limonitic porphyritic intrusive. Varies from highly argillically altered (white clay) to limonite rich silicified intrusive.									
14.00	14.10		Intense vuggy qz veins with MnO2 coating.									
15.00	21.00		Limonite/kaolinite rich section.	137071	15.00	18.00	3.00	11.	71.	5.	13000.	0.1
				137072	18.00	21.00	3.00	11.	168.	6.	3400.	0.6
21.00	22.00		White kaolinite clay band.	137073	21.00	24.00	3.00	16.	225.	12.	6200.	0.3
22.00	32.00		Increase in number of clay altered feldspar porphyrys.	137074	24.00	27.00	3.00	9.	267.	16.	3500.	0.1
				137075	27.00	30.00	3.00	24.	403.	20.	4600.	0.1
				137076	30.00	33.00	3.00	13.	436.	25.	4000.	0.1
32.00	33.00		Intensely clay altered section.									
33.00	34.00		Minor qz veining; becomes more silicified; pink weathering surfaces.	137077	33.00	36.00	3.00	8.	288.	16.	3200.	0.1
34.00	37.00		Intrusive is completely altered to sericite rich yellow clay.	137078	36.00	39.00	3.00	53.	174.	10.	10000.	0.4
37.00	38.00		Altered to white sericite rich clay. Remnant porphyry texture apparent in undisturbed sections.									
38.00	47.00		Altered to orange biotite rich sandy clay. Alternating with competent altered biotite rich intrusive; abundant MnO2 staining on fracture surfaces.	137079	39.00	42.00	3.00	8.	83.	8.	820.	0.8
				137080	42.00	45.00	3.00	9.	56.	7.	540.	0.6
				137081	45.00	48.00	3.00	11.	298.	17.	6600.	0.1
47.00	48.00		White kaolinite band. Strikes 110 deg.									
48.00	51.00		Silicified intrusive with clay altered feldspar phenos.	137082	48.00	51.00	3.00	17.	326.	22.	6200.	0.3
51.00	52.00		White kaolinite band. Strikes 110 deg.	137083	51.00	54.00	3.00	13.	24.	3.	820.	1.3
52.00	68.00		Highly weathered and altered biotite rich porphyritic intrusive. Completely	137084	54.00	57.00	3.00	8.	43.	7.	960.	0.7
				137085	57.00	60.00	3.00	10.	71.	10.	2200.	0.5

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90G-11

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			altered to sand in sections. Minor spotty	137086	60.00	63.00	3.00	8.	85.	10.	780.	0.8
			red staining. Sections of more intense	137087	63.00	66.00	3.00	9.	38.	5.	1100.	0.4
			clay alteration.	137088	66.00	69.00	3.00	5.	43.	9.	340.	1.0
68.00	70.00		Intensely argillically altered intrusive.	137089	69.00	72.00	3.00	4.	38.	7.	180.	2.2
			No biotite; 70% white clay & fine									
			grained sericite.									
70.00	76.00		Highly weathered & altered biotite rich	137090	72.00	75.00	3.00	6.	63.	9.	630.	0.8
			porphyritic intrusive. Rusty & very	137091	75.00	78.00	3.00	20.	93.	15.	1700.	0.4
			clay altered in sections									
			74-76m: Rusty veining.									
76.00	111.00	BRECIA	Chert breccia as 0-13m with abundant rusty	137092	78.00	81.00	3.00	18.	104.	19.	1500.	0.8
			and vuggy qz veining. Clay altered	137093	81.00	84.00	3.00	67.	370.	29.	3800.	0.7
			intrusive overrides chert breccia up	137094	84.00	87.00	3.00	45.	118.	15.	1500.	0.2
			to 96m. Contact is undulating and dips	137095	87.00	90.00	3.00	84.	85.	14.	3000.	1.2
			below trench floor at 78m, 80m, 85m	137096	90.00	93.00	3.00	66.	179.	16.	2800.	0.9
			& 91m.	137097	93.00	96.00	3.00	87.	102.	23.	4000.	1.8
				137098	96.00	99.00	3.00	26.	77.	16.	1300.	1.3
				137099	99.00	102.00	3.00	39.	122.	11.	2000.	1.4
102.00	105.00		Increase in qz vein intensity.	137100	102.00	105.00	3.00	56.	330.	19.	3600.	1.1
				137101	105.00	108.00	3.00	22.	391.	18.	4300.	1.1
				137102	108.00	111.00	3.00	26.	897.	36.	3900.	1.2

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90G-11
Grid System : ORIGINAL
Collar Eastings : 21446.900
Collar Northings : 20506.500
Collar Elevations : 1152.900
Collar Bearing : 367.45
Grid Baseline : 66.00

Collar Inclination : 0.71
Grid Bearing : 156.00
Final Depth : 111.00
Claim No. :

Logged by : MICHELLE ROBINSON
Date : -
Downhole Survey :
Drilled By : CARON
Core Size :

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
0.00	13.00																					
13.00	76.00	3-4	1-2				1-2	15-30	0-1													

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90G-12
Grid System : ORIGINAL
Collar Eastings : 22135.700
Collar Northings : 19901.500
Collar Elevations : 938.900
Collar Bearing : 372.25
Grid Baseline : 64.00

Collar Inclination : -4.23
Grid Bearing : 154.00
Final Depth : 60.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	42.00	INT	Biotite, feldspar rich porphyritic intrusive. Varies from fresh with grey matrix to weathered with green matrix. Contains yellow clay altered feldspar phenocrysts. Rock is biotite rich.									
0.00	3.00		Brown silicified matrix, yellow altered feldspar.	137251	0.00	3.00	3.00	27.	139.	153.	1300.	0.2
3.00	18.00		Fresh, blocky biotite rich intrusive.	137252	3.00	6.00	3.00	11.	36.	45.	110.	0.1
				137253	6.00	9.00	3.00	14.	30.	289.	140.	0.1
				137254	9.00	12.00	3.00	9.	29.	212.	180.	0.2
				137255	12.00	15.00	3.00	10.	53.	50.	1300.	0.1
				137256	15.00	18.00	3.00	21.	76.	87.	680.	0.1
18.00	30.00		Weathered porphyritic intrusive, yellow/ white clay altered feldspars. Green brown matrix. Abundant biotite.	137257	18.00	21.00	3.00	16.	98.	91.	960.	0.1
				137258	21.00	24.00	3.00	90.	462.	136.	2600.	0.1
				137259	24.00	27.00	3.00	10.	48.	63.	290.	0.1
				137260	27.00	30.00	3.00	11.	48.	58.	250.	0.1
30.00	36.00		Rusty section, completely weathered to biotite rich sand in sections.	137261	30.00	33.00	3.00	38.	502.	141.	1500.	0.1
				137262	33.00	36.00	3.00	105.	319.	121.	1400.	0.1
36.00	40.00		Fresh intrusive as at 3m. Blocky, biotite rich.	137263	36.00	39.00	3.00	76.	642.	109.	730.	0.1
				137264	39.00	42.00	3.00	196.	451.	172.	1400.	0.1
40.00	42.00		Rusty, biotite rich weathered intrusive as at 30m.									
42.00	60.00	INT	Altered limonitite porphyritic intrusive.	137265	42.00	45.00	3.00	250.	797.	286.	5500.	0.1
			Matrix varies from green, sericite and	137266	45.00	48.00	3.00	77.	812.	163.	5800.	0.2
			quartz (phyllic alteration), to brown	137267	48.00	51.00	3.00	126.	693.	253.	6400.	0.2
			limonite rich. Minor rusty quartz	137268	51.00	54.00	3.00	620.	837.	148.	4500.	0.3
			veining.	137269	54.00	57.00	3.00	46.	338.	107.	1800.	0.1
				137270	57.00	60.00	3.00	41.	480.	173.	2500.	0.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90G-13
Grid System : ORIGINAL
Collar Eastings : 21801.420
Collar Northings : 19444.390
Collar Elevations : 932.410
Collar Bearing : 362.66
Grid Baseline : 66.00

Collar Inclination : 2.70
Grid Bearing : 0.00
Final Depth : 135.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	3.00	INT	Limonitic porphyritic intrusive. Green phyllic altered cores, limonite rich weathering rind. No biotite. Feldspar phenos altered to white clay. Minor quartz stockwork	136451	0.00	3.00	3.00	7.	140.	59.	1600.	0.9
3.00	42.00	OVERB	Overburden, mud with clasts of argillite and minor rusty intrusive.									
42.00	60.00	INT	Limonitic porphyritic intrusive as at 0 - 3 m.	136452	42.00	45.00	3.00	11.	97.	46.	3800.	0.3
				136453	45.00	48.00	3.00	9.	89.	40.	1800.	0.2
			Note: at 59m. Intrusive is cut by 8 cm wide band of blue clay with black argillite chips. (124/26 SW).	136454	48.00	51.00	3.00	7.	89.	55.	7200.	0.1
				136455	51.00	54.00	3.00	8.	72.	27.	2500.	0.1
				136456	54.00	57.00	3.00	5.	52.	28.	1700.	0.4
				136457	57.00	60.00	3.00	3.	38.	20.	1300.	0.4
60.00	64.00	INT	Decrease in alteration intensity. Brown biotite, minor pyrite.	136458	60.00	63.00	3.00	4.	38.	25.	250.	0.3
				136459	63.00	66.00	3.00	1.	46.	59.	120.	0.2
			Note: at 63m, blue clay band with argillite chips, 6 cm wide (120/28 SW).									
64.00	72.00	INT	Intrusive with green phyllically altered cores and limonite rich weathering rinds as at 0 - 3 m. Biotite is brown.	136460	66.00	69.00	3.00	2.	37.	68.	90.	0.1
				136461	69.00	72.00	3.00	8.	37.	23.	520.	0.3
			Note: at 64 m; Blue clay band with argillite chips. 8 cm wide (110/28sw)									
71.00	72.00		1 m wide band of blue clay with argillite chips. Orientation approximately 110/28 sw.									
72.00	76.00	INT	Unaltered black biotite rich, weathered porphyritic intrusive. Dark brown matrix.	136462	72.00	75.00	3.00	6.	24.	16.	410.	0.1
75.00	76.00		20 cm wide band of blue clay with argillite chips (94/28 sw).	136463	75.00	78.00	3.00	44.	262.	31.	2300.	0.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEL
HOLE No. : BCTR90G-11

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClr %	Code
76.00	111.00																						

Hole No: BCTR90G-11

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMNER CREEK
HOLE No. : BCTR90G-13

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sr ppm	Hg ppb	Ag ppm
76.00	85.00	INT	Phyllic and argillic altered intrusive. Matrix varies from green (quartz and sericite) to white (kaolinite rich) to brown (limonite rich). No biotite.	136464	78.00	81.00	3.00	29.	233.	23.	3500.	0.1
				136465	81.00	84.00	3.00	3.	72.	22.	1600.	0.1
				136466	84.00	87.00	3.00	5.	97.	23.	1800.	0.2
85.00	87.00	ARG	Blue clay and soft black graphitic argillite.									
87.00	123.00	INT	Altered intrusive. Amount of quartz veining is increasing. Note: at 90 m; small stibnite vein.	136467	87.00	90.00	3.00	380.	1124.	18165.	3600.	5.6
				136468	90.00	93.00	3.00	250.	733.	404.	1600.	0.1
				136469	93.00	96.00	3.00	50.	464.	327.	1800.	0.1
				136470	96.00	99.00	3.00	179.	716.	112.	1780.	0.2
				136471	99.00	102.00	3.00	58.	298.	106.	1900.	0.1
				136472	102.00	105.00	3.00	111.	602.	108.	1600.	0.1
				136473	105.00	108.00	3.00	80.	828.	39.	18000.	0.2
				136474	108.00	111.00	3.00	84.	214.	33.	2100.	0.2
				136475	111.00	114.00	3.00	162.	503.	30.	3800.	0.3
				136476	114.00	117.00	3.00	52.	162.	40.	780.	0.1
				136477	117.00	120.00	3.00	21.	106.	54.	650.	0.2
				136478	120.00	123.00	3.00	11.	140.	37.	2600.	0.2
123.00	126.00	ARG	Black graphitic argillite.	136479	123.00	126.00	3.00	9.	75.	24.	1800.	0.3
				136480	126.00	129.00	3.00	1370.	724.	36.	4400.	0.5
				136481	129.00	132.00	3.00	920.	735.	41.	3000.	0.1
				136482	132.00	135.00	3.00	390.	581.	55.	5100.	0.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90G-13
Grid System : ORIGINAL
Collar Eastings : 21801.420
Collar Northings : 19444.390
Collar Elevations : 932.410
Collar Bearing : 362.66
Grid Baseline : 66.00

Collar Inclination : 2.70
Grid Bearing : 0.00
Final Depth : 135.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON
Core Size :

GEOCHEMICAL SAMPLES												GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %		FROM	TO	Reco-very %	Lim %	Break-age	Sz %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
0.00	3.00	1.5	2				2-3	3-5	1.5															
42.00	45.00																							
45.00	48.00																							
48.00	51.00																							
51.00	54.00																							
54.00	57.00																							
57.00	60.00																							
60.00	63.00																							
63.00	66.00																							
66.00	69.00																							
69.00	72.00																							
72.00	75.00																							
75.00	78.00																							
78.00	81.00																							
81.00	84.00																							
84.00	87.00																							

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90G-13

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
87.00	90.00																					
90.00	93.00																					
93.00	96.00																					
96.00	99.00																					
99.00	102.00																					
102.00	105.00																					
105.00	108.00																					
108.00	111.00																					
111.00	114.00																					
114.00	117.00																					
117.00	120.00																					
120.00	123.00																					
123.00	126.00																					
126.00	129.00																					
129.00	132.00																					
132.00	135.00																					

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90G-14
Grid System : ORIGINAL
Collar Eastings : 21964.810
Collar Northings : 19923.450
Collar Elevations : 982.000
Collar Bearing : 189.11
Grid Baseline : 66.00

Collar Inclination : -14.33
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	24.00	INT	Limonitic porphyritic intrusive, rusty brown. Larger blocks show green phyllic altered cores. Spotty quartz veining with minor quartz eyes. Abundant manganese oxide staining on fracture surfaces. Low argillic alteration, minor light brown to clear leached biotite. Decrease in phyllic alteration.	140501	0.00	3.00	3.00	310.	874.	271.	4300.	0.1
				140502	3.00	6.00	3.00	1220.	2343.	28.	10400.	0.3
				140503	6.00	9.00	3.00	2710.	3250.	51.	9700.	1.0
8.00	24.00			140504	9.00	12.00	3.00	390.	819.	17.	7700.	0.2
				140505	12.00	15.00	3.00	1680.	3446.	39.	14000.	0.5
				140506	15.00	18.00	3.00	112.	926.	17.	17000.	0.1
				140507	18.00	21.00	3.00	650.	2060.	29.	8200.	0.5
				140508	21.00	24.00	3.00	460.	1116.	21.	7300.	0.5
24.00	30.00	ARG	Blue grey clay with black argillite chips.	140509	24.00	27.00	3.00	131.	700.	41.	5400.	0.5
				140510	27.00	30.00	3.00	550.	912.	24.	5800.	0.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90G-14
Grid System : ORIGINAL
Collar Eastings : 21964.810
Collar Northings : 19923.450
Collar Elevations : 982.000
Collar Bearing : 189.11
Grid Baseline : 66.00

Collar Inclination : -14.33
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON
Core Size :

GEOCHEMICAL SAMPLES												GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %		FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
0.00	3.00	1	2				2.5	3-5	1														
3.00	6.00																						
6.00	9.00	1	2				1.5	3-5	1														
9.00	12.00																						
12.00	15.00																						
15.00	18.00																						
18.00	21.00																						
21.00	24.00																						
24.00	27.00																						
27.00	30.00																						

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90G-4E
Grid System : ORIGINAL
Collar Eastings : 21885.140
Collar Northings : 19519.740
Collar Elevations : 925.080
Collar Bearing : 316.94
Grid Baseline : 66.00

Collar Inclination : 15.96
Grid Bearing : 156.00
Final Depth : 12.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	12.00	INT	Highly altered limonitic porphyritic intrusive. Trench follows a major qz stibnite vein. Abundant qtz stockwork, qz veining and kaolinite gouge. Larger blocks have blue (phyllic) altered cores of qtz, sericite and minor pyrite. Stibnite veins up to 3cm wide.	137037	0.00	3.00	3.00	240.	1427.	99.	3400.	0.2
				137038	3.00	6.00	3.00	490.	1607.	108.	5600.	0.9
				137039	6.00	9.00	3.00	1800.	3477.	541.	3300.	0.7
				137040	9.00	12.00	3.00	1760.	4038.	376.	4100.	0.4

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90G-4E
Grid System : ORIGINAL
Collar Eastings : 21885.140
Collar Northings : 19519.740
Collar Elevations : 925.080
Collar Bearing : 316.94
Grid Baseline : 66.00

Collar Inclination : 15.96
Grid Bearing : 156.00
Final Depth : 12.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON
Core Size :

GEOCHEMICAL SAMPLES

FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
0.00	12.00	2	2-3				3-3.5	5-10	3.5	

GEOTECHNICAL SAMPLES

FROM	TO	Recovery %	Lim %	Breakage	Sr %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90K-3
Grid System : ORIGINAL
Collar Eastings : 20635.000
Collar Northings : 19971.000
Collar Elevations : 974.000
Collar Bearing : 180.21
Grid Baseline : 66.00

Collar Inclination : 2.89
Grid Bearing : 156.00
Final Depth : 180.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	7.00	FLOAT	Unconsolidated mud conglomerate, angular clasts of argillite, barite, and rusty Porphyritic limonitic intrusive. Matrix is grey/black mud/clay.									
7.00	23.00	ARG	Greenish black argillite. Fractured with minor limonitc staining.	8201	21.00	24.00	3.00	930.	583.	138.	2100.	0.9
23.00	38.00	INT	Rusty limonitic, porphyritic intrusive. Blue/grey clay band at contact. Porphyry has abundant altered feldspar (to kaolinite) phenocrysts with minor qtz eyes. Matrix varies from rusty brown to green.	8202	24.00	27.00	3.00	480.	722.	198.	2300.	0.6
				8203	27.00	30.00	3.00	780.	1004.	126.	1500.	0.2
				8204	30.00	33.00	3.00	390.	1260.	50.	1000.	0.1
				8205	33.00	36.00	3.00	260.	913.	45.	1100.	0.1
				8206	36.00	39.00	3.00	280.	1122.	40.	1300.	0.1
38.00	55.00	ARG	Fractured black argillite with pods of blue/grey clay.	8207	39.00	42.00	3.00	156.	1308.	42.	1500.	0.1
				8208	42.00	45.00	3.00	8.	57.	12.	1000.	0.8
				8209	45.00	48.00	3.00	9.	79.	15.	760.	0.9
				8210	48.00	51.00	3.00	1.	148.	26.	500.	0.9
				8211	51.00	54.00	3.00	25.	135.	25.	680.	0.7
				8212	54.00	57.00	3.00	2.	417.	58.	1300.	0.3
55.00	180.00	INT	Limonitic, porphyritic intrusive with pods of argillite in the trench wall. Grades down the trench into fresh porphyritic biotite monzonite. At 99m most blocks are fresh monzonite. Alteration decreases with increasing block size. Abundant k-spar phenos. Fine grained biotite makes up 20% of the grey matrix. Finer grain blocks of the same composition are common (dykes??). Resampled 93-180m on July 1	8213	57.00	60.00	3.00	73.	360.	57.	940.	0.1
				8214	60.00	63.00	3.00	220.	669.	70.	1200.	0.1
				8215	63.00	66.00	3.00	310.	662.	81.	2600.	0.1
				8216	66.00	69.00	3.00	101.	533.	61.	2900.	0.3
				8217	69.00	72.00	3.00	220.	495.	64.	2800.	0.1
				8218	72.00	75.00	3.00	43.	399.	56.	2200.	0.1
				8219	75.00	78.00	3.00	21.	486.	73.	2400.	0.1
				8220	78.00	81.00	3.00	2.	363.	61.	1800.	0.1
				8221	81.00	84.00	3.00	87.	206.	30.	2200.	0.1
				8222	84.00	87.00	3.00	119.	311.	45.	3500.	0.1
				8223	87.00	90.00	3.00	22.	360.	45.	3600.	0.1
				8224	90.00	93.00	3.00	141.	531.	44.	2600.	0.1
				5926	93.00	96.00	3.00	19.	405.	24.	2400.	0.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90K-3

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				5927	96.00	99.00	3.00	8.	420.	21.	2800.	0.1
				5928	99.00	102.00	3.00	5.	49.	8.	200.	0.1
102.00	105.00		A thin 4cm band of dark red gouge zig-zags vertically over 3m section.	5929	102.00	105.00	3.00	1.	65.	16.	170.	0.2
				5930	105.00	108.00	3.00	4.	25.	6.	70.	0.1
				5931	108.00	111.00	3.00	9.	17.	7.	90.	0.1
				5932	111.00	114.00	3.00	1.	16.	3.	60.	0.1
114.00	114.25		Small fine grained latite dyke.	5933	114.00	117.00	3.00	5.	39.	15.	70.	0.1
				5934	117.00	120.00	3.00	2.	19.	9.	80.	0.1
				5935	120.00	123.00	3.00	7.	54.	16.	50.	0.1
123.00	129.00		Rusty limonitic weathered intrusive, 3-5% remnant biotite.	5936	123.00	126.00	3.00	1.	32.	20.	110.	0.1
				5937	126.00	129.00	3.00	470.	1312.	53.	310.	0.1
129.00	144.00		Fresh monzonite.	5938	129.00	132.00	3.00	15.	53.	15.	80.	0.1
				5939	132.00	135.00	3.00	31.	114.	37.	120.	0.1
				5940	135.00	138.00	3.00	18.	50.	24.	80.	0.1
				5941	138.00	141.00	3.00	22.	43.	24.	70.	0.1
				5942	141.00	144.00	3.00	24.	90.	36.	100.	0.1
144.00	146.00		Rusty weathered monzonite.	5943	144.00	147.00	3.00	210.	318.	111.	900.	0.1
146.00	171.00		Fresh monzonite.	5944	147.00	150.00	3.00	470.	454.	148.	420.	0.4
				5945	150.00	153.00	3.00	24.	58.	38.	100.	0.1
				5946	153.00	156.00	3.00	17.	73.	41.	130.	0.1
				5947	156.00	159.00	3.00	24.	32.	34.	60.	0.1
				5948	159.00	162.00	3.00	1.	95.	43.	180.	0.1
				5949	162.00	165.00	3.00	620.	373.	34.	330.	0.3
				5950	165.00	168.00	3.00	41.	138.	32.	240.	0.1
				5951	168.00	171.00	3.00	13.	33.	13.	190.	0.1
171.00	174.00		Apparent fault, fresh monzonite faulted against 3m section of altered biotite rich fractured rock (texture of gravel).	5952	171.00	174.00	3.00	13.	67.	34.	820.	0.1
174.00	180.00		Fresh monzonite.	5953	174.00	177.00	3.00	1670.	685.	1655.	2100.	1.6
				5954	177.00	180.00	3.00	690.	293.	600.	640.	0.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90K-3
Grid System : ORIGINAL
Collar Eastings : 20635.000
Collar Northings : 19971.000
Collar Elevations : 974.000
Collar Bearing : 180.21
Grid Baseline : 66.00

Collar Inclination : 2.89
Grid Bearing : 156.00
Final Depth : 180.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

FROM	TO	Arg	Sil	Serc	GEOCHEMICAL SAMPLES Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Sr %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
0.00	23.00																					
23.00	38.00	1.5	1				2															
38.00	55.00																					
55.00	99.00	1.5	1				2															
99.00	179.00																					

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90R-4
Grid System : ORIGINAL
Collar Eastings : 20733.120
Collar Northings : 20027.990
Collar Elevations : 1051.370
Collar Bearing : 178.64
Grid Baseline : 66.00

Collar Inclination : -15.05
Grid Bearing : 156.00
Final Depth : 280.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	24.00	arg	Black argillite. Fractured larger blocks show extensive qtz stockwork. Graphitic sections have texture of gravel.	6706	15.00	18.00	3.00	5.	100.	28.	5600.	2.9
				6708	18.00	21.00	3.00	44.	121.	30.	2100.	0.5
				6709	21.00	24.00	3.00	35.	153.	50.	540.	0.3
24.00	39.00	int	LPI with quartz eyes and extensive argillic alteration. Colour zoning with green/blue centers and brown limonite rings. Absence of biotite, all feldspar phenos have altered to kaolinite.	6710	24.00	27.00	3.00	91.	403.	55.	1300.	0.5
				6711	27.00	30.00	3.00	330.	575.	66.	1600.	0.4
				6712	30.00	33.00	3.00	300.	431.	50.	2000.	0.7
				6713	33.00	36.00	3.00	1610.	1101.	628.	3600.	1.0
35.00	39.00		Small band of graphite argillite. Slickensides on upper side. Low angle contact -- dips @ 40. At 39m, small band of blue clay with fractured black argillite clasts.	6714	36.00	39.00	3.00	37.	679.	154.	3000.	1.0
39.00	42.00	arg	Black argillite.	6715	39.00	42.00	3.00	410.	998.	199.	3300.	0.7
42.00	280.00	int	LPI.	6716	42.00	45.00	3.00	530.	1367.	182.	3200.	0.3
				6717	48.00	51.00	3.00	320.	592.	116.	2300.	0.2
				6718	51.00	54.00	3.00	880.	795.	210.	2400.	0.2
				6719	54.00	57.00	3.00	1070.	960.	402.	3000.	0.2
				6720	57.00	60.00	3.00	460.	869.	117.	2400.	0.2
				6721	60.00	63.00	3.00	650.	533.	99.	1100.	0.2
				6722	63.00	66.00	3.00	58.	107.	51.	80.	0.1
				6723	66.00	69.00	3.00	82.	83.	28.	140.	0.1
				6724	69.00	72.00	3.00	40.	47.	15.	70.	0.1
				6725	72.00	75.00	3.00	310.	166.	24.	410.	0.2
				6726	75.00	78.00	3.00	1380.	605.	290.	3600.	0.3
				6727	78.00	81.00	3.00	220.	191.	284.	1200.	0.1
81.00	87.00		Low angle fault. Rusty clay fault gouge 20/SE.	6728	81.00	84.00	3.00	162.	176.	283.	820.	0.1
				6729	84.00	87.00	3.00	104.	542.	211.	3000.	0.1
87.00	91.00		Dark intrusive (monzonite-syenite). Biotite still looks fresh, but matrix has decomposed -- possibly due to groundwater flow around fault.	6730	87.00	90.00	3.00	4.	320.	88.	1800.	0.1
				6731	90.00	93.00	3.00	830.	1326.	132.	5000.	0.4

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90X-4

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
91.00	123.00		LPI. Increase in Mn oxide staining.	6732	93.00	96.00	3.00	3990.	2002.	115.	5200.	1.1
				6733	96.00	99.00	3.00	8460.	2989.	119.	4800.	1.7
				6734	99.00	102.00	3.00	5560.	2283.	84.	3200.	1.2
				6735	102.00	105.00	3.00	900.	1224.	73.	4200.	0.3
				6736	105.00	108.00	3.00	210.	726.	73.	2900.	0.1
				6737	108.00	111.00	3.00	1130.	975.	109.	3000.	0.3
				6738	111.00	114.00	3.00	480.	1011.	111.	3400.	0.1
				6739	114.00	117.00	3.00	2890.	1606.	130.	3800.	0.7
				6740	117.00	120.00	3.00	530.	1388.	105.	1800.	0.1
				6741	120.00	123.00	3.00	79.	980.	76.	1700.	0.1
123.00	129.00		Low angle fault dipping 10-20 SE.	6742	123.00	126.00	3.00	260.	1038.	84.	1400.	0.2
			Decomposed, biotite rich rock with the	6743	126.00	129.00	3.00	91.	934.	73.	3300.	0.1
			texture of coarse sand surrounds faulted	6744	129.00	132.00	3.00	113.	480.	34.	3200.	0.1
			area.	6745	132.00	135.00	3.00	280.	599.	33.	3700.	0.1
				6746	135.00	138.00	3.00	174.	494.	45.	4300.	0.2
				6748	141.00	144.00	3.00	540.	437.	41.	2600.	0.1
				6749	144.00	147.00	3.00	1890.	1040.	48.	3800.	0.3
147.00	151.00		Low angle fault with light brown clay	6750	147.00	150.00	3.00	49.	42.	9.	180.	0.1
			fault gouge followed by 1m of biotite	178	150.00	153.00	3.00	290.	174.	17.	130.	0.1
			rich decomposing intrusive.									
151.00	153.00		Fresh biotite monzonite (or syenite??).									
153.00	154.00		Low angle fault. Dip 40-20 east??	179	153.00	156.00	3.00	117.	163.	30.	1200.	0.1
154.00	162.00		LPI	180	156.00	159.00	3.00	590.	509.	57.	2400.	0.1
				181	159.00	162.00	3.00	54.	33.	10.	80.	0.1
162.00	163.00		Fault 190/40 SE. Clay fault gouge &	182	162.00	165.00	3.00	2.	130.	29.	800.	0.1
			biotite rich weathered intrusive.									
164.00	177.00		LPI. Darker purple weathering on fracture	183	165.00	168.00	3.00	44.	120.	21.	780.	0.1
			surfaces.	184	168.00	171.00	3.00	55.	324.	43.	950.	0.6
				185	171.00	174.00	3.00	1630.	737.	99.	2800.	0.7
				186	174.00	177.00	3.00	420.	805.	79.	2600.	0.1
177.00	180.00		Fresh monzonite.	187	177.00	180.00	3.00	530.	452.	38.	1500.	0.1
180.00	181.00		Low angle fault, orientation uncertain.	188	180.00	183.00	3.00	260.	229.	21.	960.	0.1
			(Dip NE).									
181.00	193.00		Altered LPI. Pinking of feldspar and	189	183.00	186.00	3.00	1440.	606.	36.	4300.	0.1
			matrix, no biotite.	190	186.00	189.00	3.00	1780.	843.	42.	2800.	0.2
				191	189.00	192.00	3.00	560.	688.	38.	3200.	0.1
				192	192.00	195.00	3.00	87.	85.	11.	1200.	0.1
193.00	194.00		Fresh monzonite. At 194m a fault runs									
			92/55 NE. Brown clay fault gouge marks									
			the surface.									
194.00	196.00		Altered porphyry. Less argillic, more	193	195.00	198.00	3.00	122.	81.	11.	270.	0.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90K-4

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			potassic alteration.	194	198.00	201.00	3.00	43.	101.	19.	1300.	0.1
				195	201.00	204.00	3.00	240.	432.	43.	2100.	0.1
				196	204.00	207.00	3.00	100.	312.	36.	1600.	0.1
206.00	213.00		Low angle fault (dipping NE???), at 207 m	197	207.00	210.00	3.00	99.	376.	50.	1400.	0.2
			surrounded by fresh biotite monzonite.	198	210.00	213.00	3.00	34.	46.	10.	180.	0.1
213.00	223.00		LPI. Fault at 216m, followed by fresh	199	213.00	216.00	3.00	28.	177.	31.	2800.	0.1
			intrusive then LPI again.	200	216.00	219.00	3.00	950.	1197.	45.	1900.	0.5
223.00	280.00		Fresh biotite monzonite.									

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMERY CREEK
HOLE No. : BCTR90I-4
Grid System : ORIGINAL
Collar Eastings : 20733.120
Collar Northings : 20027.990
Collar Elevations : 1051.370
Collar Bearing : 178.64
Grid Baseline : 66.00

Collar Inclination : -15.05
Grid Bearing : 156.00
Final Depth : 280.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

FROM	TO	Arg	Sil	Serc	GEOCHEMICAL SAMPLES Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
0.00	24.00									
24.00	39.00	3	1.5				1.5	1-5		
39.00	42.00									
42.00	87.00	3	1.5				1.5	1-5		
87.00	91.00									
91.00	123.00	2	1.5				1.5	1-5		

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	CirCode

PROPERTY : BREMERY CREEK
HOLE No. : BCTR90K-4

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
123.00	127.00																					
127.00	147.00	3	1.5				1.5	1-5														
147.00	154.00																					
154.00	162.00	2.5	2				1.5	1-5														
162.00	164.00																					
164.00	177.00	2.5	2				1.5	1-5														
177.00	182.00																					
182.00	193.00	2	2.5				2	1-3														
193.00	200.00																					
200.00	206.00	2	2.5				2	1-3														
206.00	213.00																					

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90K-4

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
213.00	216.00	2	2.5				2	1-3														
216.00	219.00																					
219.00	223.00	2	2.5				2	1-3														

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90I-5
Grid System : ORIGINAL
Collar Eastings : 20933.990
Collar Northings : 20020.020
Collar Elevations : 1070.850
Collar Bearing : 185.18
Grid Baseline : 66.00

Collar Inclination : -19.73
Grid Bearing : 156.00
Final Depth : 147.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	11.00	arg	Block fractured, dense black argillite with extensive fine qtz stockwork.	1378	0.00	3.00	3.00	10.	106.	13.	1300.	0.1
				1379	3.00	6.00	3.00	13.	143.	14.	1400.	0.2
6.00	11.00		Band of dark blue clay (fault??) marks contact with intrusive. 60/20-40 SE.	1380	6.00	9.00	3.00	17.	188.	15.	3500.	0.2
				1381	9.00	12.00	3.00	3260.	880.	132.	4000.	0.6
11.00	147.00	int	Block fractured PLI wit hqtz stockwork and patches of extensive argillic alt'n. Matrix is rusty brown with Mn oxide on fracture surfaces.	1382	12.00	15.00	3.00	2540.	1762.	428.	3600.	0.4
				1383	15.00	18.00	3.00	1420.	1216.	413.	2600.	0.3
18.00	22.00		Colour becomes dark red/brown with less argillic alt'n. Looks cooked.	1384	18.00	21.00	3.00	2240.	2263.	1051.	4100.	0.6
				1385	21.00	24.00	3.00	2570.	1390.	516.	3200.	0.4
22.00	25.00		PLI.	1386	24.00	27.00	3.00	2510.	1325.	327.	2300.	0.4
25.00	31.00		Weathered intrusive -- fresh, abundant biotite, feldspar phenos have weathered to kaolinite. Green/brown crumbly matrix.	1387	27.00	30.00	3.00	1420.	849.	264.	1800.	0.3
				1388	30.00	33.00	3.00	760.	1085.	606.	2400.	0.4
31.00	55.00		LPI.	1389	33.00	36.00	3.00	1250.	844.	228.	2100.	0.3
				1390	36.00	39.00	3.00	1570.	1283.	396.	3400.	0.4
				1391	39.00	42.00	3.00	350.	822.	674.	3100.	0.4
				1392	42.00	45.00	3.00	71.	754.	358.	3800.	1.2
				1393	45.00	48.00	3.00	12.	953.	326.	3700.	0.2
				1394	48.00	51.00	3.00	23.	567.	149.	3500.	0.1
				1395	51.00	54.00	3.00	88.	528.	183.	3000.	0.1
				1396	54.00	57.00	3.00	96.	296.	155.	1100.	0.1
55.00	70.00		Fresh intrusive - biotite/kspar porphyry monzonite (syenite??). Outer rind weathers like rocks at 25m. Low angle (190/30 NE) fault at 63m. Strike questionable.	1397	57.00	60.00	3.00	17.	74.	58.	430.	0.1
				1398	60.00	63.00	3.00	73.	215.	111.	1400.	0.2
				1399	63.00	66.00	3.00	60.	245.	145.	1600.	0.2
				1400	66.00	69.00	3.00	14.	118.	55.	720.	0.1
				1401	69.00	72.00	3.00	42.	160.	65.	820.	0.1
70.00	76.00		LPI.	1402	72.00	75.00	3.00	18.	166.	79.	650.	0.1
				1403	75.00	78.00	3.00	11.	188.	72.	2600.	0.1
76.00	92.00		Weathered intrusive.	1404	78.00	81.00	3.00	6.	77.	43.	160.	0.1
				1405	81.00	84.00	3.00	1.	102.	52.	320.	0.1
				1406	84.00	87.00	3.00	9.	98.	66.	200.	0.1
				1407	87.00	90.00	3.00	6.	54.	44.	180.	0.1
				1408	90.00	93.00	3.00	37.	182.	67.	630.	0.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90I-5

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
92.00	96.00		Rusty clay gouge at 92m, followed by LPI.	1409	93.00	96.00	3.00	2.	50.	24.	150.	0.2
96.00	114.00		Weathered intrusive. 1/2m of gouge at 108m	1410	96.00	99.00	3.00	5.	116.	35.	330.	0.1
				1411	99.00	102.00	3.00	20.	167.	59.	430.	0.2
				1412	102.00	105.00	3.00	11.	82.	24.	250.	0.1
				1413	105.00	108.00	3.00	7.	60.	19.	300.	0.1
				1414	108.00	111.00	3.00	14.	120.	28.	360.	0.1
				1415	111.00	114.00	3.00	11.	148.	26.	430.	0.1
114.00	119.00		10cm of rusty gouge followed by LPI. Low argillic alt'n, high limonite content, silicification.	1416	114.00	117.00	3.00	570.	519.	39.	900.	0.1
				1417	117.00	120.00	3.00	97.	389.	33.	330.	0.2
119.00	132.00		Weathered intrusive.	1418	120.00	123.00	3.00	24.	109.	11.	130.	0.1
				1419	123.00	126.00	3.00	310.	437.	35.	560.	0.1
				1420	126.00	129.00	3.00	2.	36.	10.	60.	0.1
				1421	129.00	132.00	3.00	9.	38.	8.	150.	0.1
132.00	141.00		LPI.	1422	132.00	135.00	3.00	7.	54.	14.	280.	0.1
				1423	135.00	138.00	3.00	270.	455.	45.	3200.	0.1
				1424	138.00	141.00	3.00	240.	544.	60.	3000.	0.2
141.00	147.00		Low angle contact with grey/black argillite.	1425	141.00	144.00	3.00	23.	191.	46.	2400.	0.9
				1426	144.00	147.00	3.00	30.	213.	50.	1500.	0.8

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90K-5
Grid System : ORIGINAL
Collar Eastings : 20933.990
Collar Northings : 20020.020
Collar Elevations : 1070.850
Collar Bearing : 185.18
Grid Baseline : 66.00

Collar Inclination : -19.73
Grid Bearing : 156.00
Final Depth : 147.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

GEOCHEMICAL SAMPLES										GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
0.00	11.00							2														
11.00	18.00	2.5	2.25				1.75	5-10	1.5													
18.00	22.00	2	2.5				1.5	5-10														
22.00	25.00	2	2.25				1.5	5-10	1													
25.00	31.00																					
31.00	55.00	2.5	2.25				1.75	5-10	1.5													
55.00	66.00																					
66.00	68.00	2.5	2.5				2	5-10														
68.00	70.00																					
70.00	76.00	2.5	2				1.75	5-10														
76.00	92.00																					
92.00	96.00	2.5	2				1.75	5-10														
96.00	114.00																					

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90K-5

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
114.00	119.00	1.5	3				2	10-15	1													
119.00	132.00																					
132.00	141.00	2.5	2.25				1.75	5-10	1.5													
141.00	147.00																					

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90X-6
Grid System : ORIGINAL
Collar Eastings : 20868.040
Collar Northings : 20045.260
Collar Elevations : 1074.490
Collar Bearing : 180.52
Grid Baseline : 66.00

Collar Inclination : -16.35
Grid Bearing : 156.00
Final Depth : 96.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled by : CARON DIAMOND DRILL
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	15.00	arg	Fractured black argillite. Minor qtz stockwork. At 12m, argillite becomes very graphitic (fault??)	77	9.00	12.00	3.00	41.	177.	27.	3200.	1.8
				78	12.00	15.00	3.00	70.	125.	30.	6400.	1.9
15.00	96.00	int	PLI. Rusty brown matrix, high silicificatn med. porosity. Green argillic cores in some samples. Mn oxide on fracture surface	79	15.00	18.00	3.00	15100.	4197.	50.	5500.	2.3
				80	18.00	21.00	3.00	17900.	6936.	66.	6200.	4.0
				81	21.00	24.00	3.00	1620.	1582.	83.	4600.	0.6
				82	24.00	27.00	3.00	980.	1339.	41.	6800.	0.5
				83	27.00	30.00	3.00	900.	1945.	52.	6000.	0.5
				84	30.00	33.00	3.00	4630.	3172.	58.	3300.	1.4
				85	33.00	36.00	3.00	930.	1800.	79.	2900.	0.7
				86	36.00	39.00	3.00	400.	1715.	111.	3800.	0.1
				87	39.00	42.00	3.00	310.	1211.	88.	3600.	0.2
				88	43.00	45.00	2.00	650.	1261.	377.	4200.	0.8
				89	45.00	48.00	3.00	690.	1344.	238.	3800.	0.9
				90	48.00	51.00	3.00	1200.	1675.	166.	3700.	0.7
				91	51.00	54.00	3.00	410.	758.	79.	3500.	0.5
				92	54.00	57.00	3.00	2440.	1285.	901.	3800.	1.2
				93	57.00	60.00	3.00	610.	683.	156.	3200.	0.5
				94	60.00	63.00	3.00	220.	625.	234.	2300.	0.4
				95	63.00	66.00	3.00	360.	916.	241.	2700.	0.4
65.00	78.00		Fresh biotite/ kspar int. Low in qtz. Some areas extensively weathered with kspar weathered to kaolinite. Abundant biotite.	96	66.00	69.00	3.00	68.	401.	156.	2200.	0.3
				97	69.00	72.00	3.00	79.	190.	79.	340.	0.4
				98	72.00	75.00	3.00	890.	592.	85.	1400.	0.7
				99	75.00	78.00	3.00	82.	169.	83.	150.	0.4
78.00	84.00		LPI	100	78.00	81.00	3.00	101.	214.	85.	220.	0.3
				101	81.00	84.00	3.00	71.	210.	70.	250.	0.4
84.00	96.00		Fresh intrusive.	102	84.00	87.00	3.00	89.	418.	126.	2200.	0.4
				103	87.00	90.00	3.00	680.	276.	41.	860.	1.0
				104	90.00	93.00	3.00	50.	73.	27.	200.	0.4
				105	93.00	96.00	3.00	48.	65.	24.	260.	0.5

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90X-6
Grid System : ORIGINAL
Collar Eastings : 20868.040
Collar Northings : 20045.260
Collar Elevations : 1074.490
Collar Bearing : 180.52
Grid Baseline : 66.00

Collar Inclination : -16.35
Grid Bearing : 156.00
Final Depth : 96.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
0.00	15.00							1															
15.00	65.00	2.25	2.5				1.75	5-10															
65.00	78.00																						
78.00	84.00	2	2.25				1.75	5-10															

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEL
HOLE No. : BCTR90K-7
Grid System : ORIGINAL
Collar Eastings : 21062.850
Collar Northings : 19888.620
Collar Elevations : 1034.660
Collar Bearing : 176.15
Grid Baseline : 66.00

Collar Inclination : -21.23
Grid Bearing : 156.00
Final Depth : 144.00
Claim No. :

Logged by : GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	26.00	int										
0.00	9.00		Rusty brown weathered intrusive (biotite,	5726	0.00	3.00	3.00	32.	111.	25.	390.	0.3
			k-spar porphyry). Fresh at top of trench;	5727	3.00	6.00	3.00	7.	90.	16.	1500.	0.3
			weathering intensity increases towards 9m.	5728	6.00	9.00	3.00	40.	321.	27.	2000.	0.4
9.00	18.00		Altered limonitic porphyritic intrusive	5729	9.00	12.00	3.00	66.	376.	42.	1500.	0.8
			(LPI). Abundant qtz eyes; green/white	5730	12.00	15.00	3.00	1.	308.	62.	2200.	1.6
			argillic cores; rusty weathered matrix.	5731	15.00	18.00	3.00	260.	268.	10463.	3300.	1.0
			No biotite, feldspar phenos have altered									
			to kaolinite. Some hand samples show									
			circular green/brown alteration									
			(weathering??) rings.									
18.00	24.00		Fresh intrusive (ref. 0-9 m)	5732	18.00	21.00	3.00	48.	373.	156.	1050.	0.9
				5733	21.00	24.00	3.00	72.	266.	104.	1200.	0.5
24.00	26.00		Becomes more phyllicly and argillicly	5734	24.00	27.00	3.00	14.	139.	39.	340.	0.3
			altered near the argillite contact.									
26.00	62.00	arg	Black fractured argillite, green and red	5735	27.00	30.00	3.00	18.	61.	23.	320.	0.3
			staining on fracture surfaces.	5736	30.00	33.00	3.00	1.	111.	19.	240.	0.2
			At 32m, altered porphyry dips into trench	5737	33.00	36.00	3.00	1.	103.	28.	380.	0.3
			for 3m, base is still argillite	5738	36.00	39.00	3.00	42.	102.	25.	500.	0.2
				5739	39.00	42.00	3.00	23.	70.	15.	320.	0.3
				5740	42.00	45.00	3.00	3.	83.	16.	1400.	0.3
				5741	45.00	48.00	3.00	18.	62.	15.	430.	0.2
				5742	48.00	51.00	3.00	6.	36.	12.	620.	0.3
				5743	51.00	54.00	3.00	25.	33.	12.	640.	0.4
				5744	54.00	57.00	3.00	3.	35.	10.	770.	0.3
				5745	57.00	60.00	3.00	1.	21.	7.	1400.	0.2
				5746	60.00	63.00	3.00	7.	179.	19.	2000.	0.4
62.00	81.00	int	Highly argillicly altered LPI. Intense	5747	63.00	66.00	3.00	11.	61.	22.	1100.	0.3
			white/green clay alteration of matrix.	5748	66.00	69.00	3.00	85.	577.	44.	2300.	0.2
			Feldspar phenos have altered to pastel	5749	69.00	72.00	3.00	56.	476.	56.	2300.	0.3
			white/pink clay. Minor apple/green	5750	72.00	75.00	3.00	520.	927.	110.	3400.	0.5
			mineral in pores. Stibnite pods & veins,	5751	75.00	78.00	3.00	19.	395.	106.	3800.	0.4
			qtz eyes. Outer weathered surface is	5752	78.00	81.00	3.00	1760.	617.	24671.	4000.	2.5

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90E-7

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			more red/brown than the rusty brown of the above altered porphyry. No biotite or unaltered feldspar phenos.									
81.00	144.00	arg	Intrusive dips down into trench. Trench walls are banded as follows: Top - 1m of overburden/ 15cm of blue clay/ 8cm of grey clay with rusty brown LPI clasts (Several 4cm clasts of stibnite seen)/ 1m sandy porphyritic clay with clasts of LPI/ black argillite at bottom. Possibly weathering (soil) horizons above the argillite.	5753	81.00	84.00	3.00	2440.	2008.	24325.	2500.	2.1
				5754	84.00	87.00	3.00	340.	1495.	321.	3300.	0.5
				5755	87.00	90.00	3.00	1180.	2233.	7167.	3000.	2.9
				5756	90.00	93.00	3.00	730.	1437.	553.	2000.	0.9
				5757	93.00	96.00	3.00	1060.	2566.	607.	2900.	1.7
				5758	96.00	99.00	3.00	420.	1624.	179.	2000.	0.5
				5759	99.00	102.00	3.00	750.	2082.	196.	2100.	0.6
				5760	102.00	105.00	3.00	340.	1655.	326.	1800.	0.7
				5761	105.00	108.00	3.00	330.	1537.	584.	2800.	0.8
				5762	108.00	111.00	3.00	710.	1559.	379.	2000.	0.8
				5763	111.00	114.00	3.00	260.	686.	352.	1700.	0.7
				5764	114.00	117.00	3.00	55.	214.	722.	1300.	0.4
				5765	117.00	120.00	3.00	220.	1009.	9[illegible].	1700.	0.5
				5766	120.00	123.00	3.00	260.	1213.	122.	2600.	0.4
				5767	123.00	126.00	3.00	750.	1577.	307.	2900.	0.8
				5768	126.00	129.00	3.00	1130.	2373.	545.	2300.	0.7
				5769	129.00	132.00	3.00	370.	1229.	303.	3000.	0.5
				5770	132.00	135.00	3.00	58.	991.	202.	4500.	0.4
				5771	135.00	138.00	3.00	260.	1171.	277.	3500.	0.6
				5772	138.00	141.00	3.00	560.	1659.	1267.	4000.	0.8
				5773	141.00	144.00	3.00	620.	1762.	3202.	3800.	0.9

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90K-7
Grid System : ORIGINAL
Collar Eastings : 21062.850
Collar Northings : 19888.620
Collar Elevations : 1034.660
Collar Bearing : 176.15
Grid Baseline : 66.00

Collar Inclination : -21.23
Grid Bearing : 156.00
Final Depth : 144.00
Claim No. :

Logged by : GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
0.00	9.00																						
9.00	18.00	1.5	1.5			2		5-10	1														
18.00	62.00																						
62.00	81.00	3	2				1.5	1-5	2														

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90K-8
Grid System : ORIGINAL
Collar Eastings : 21174.130
Collar Northings : 20020.060
Collar Elevations : 1066.890
Collar Bearing : 179.63
Grid Baseline : 66.00

Collar Inclination : -8.93
Grid Bearing : 156.00
Final Depth : 359.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	36.00	qtzite	Green\brown quartzite interbedded with black shale. Repeatedly isoclinally folded with the north limb faulted against the next fold. Minor qtz and calcite veining.	5607	0.00	3.00	3.00	50.	205.	25.	210.	2.7
				5608	3.00	6.00	3.00	17.	145.	20.	230.	1.7
				5609	6.00	9.00	3.00	21.	132.	17.	210.	2.1
				5610	9.00	12.00	3.00	31.	76.	17.	420.	3.0
				5611	12.00	15.00	3.00	26.	125.	34.	400.	5.5
				5612	15.00	18.00	3.00	22.	101.	12.	360.	1.9
				5613	18.00	21.00	3.00	20.	95.	17.	550.	1.5
				5614	21.00	24.00	3.00	23.	95.	8.	650.	1.9
				5615	24.00	27.00	3.00	16.	94.	8.	480.	1.4
				5616	27.00	30.00	3.00	28.	230.	18.	450.	1.6
				5617	30.00	33.00	3.00	19.	198.	17.	480.	1.1
				5618	33.00	36.00	3.00	14.	81.	11.	200.	0.6
36.00	48.00	arg	1m of blue clay precedes banded dense black argillite. Red and green staining on fracture surfaces. Shows the same folding pattern as previous unit.	5619	36.00	39.00	3.00	16.	30.	4.	120.	1.0
				5620	39.00	42.00	3.00	10.	119.	12.	180.	1.6
				5621	42.00	45.00	3.00	14.	120.	16.	150.	2.0
				5622	45.00	48.00	3.00					
48.00	54.00	int	Highly altered and weathered porphyritic intrusive. Fist sized blocks in a light green/brown sand-like matrix. Blocks show no white/green argillic cores. Reacts strongly to 10% HCl.	5623	48.00	51.00	3.00					
				5624	51.00	54.00	3.00					
54.00	60.00	arg	Dense, fractured argillite. Fractures are filled with rusty sand-like gouge.	5625	54.00	57.00	3.00					
				5626	57.00	60.00	3.00	26.	320.	12.	1100.	0.8
60.00	184.00	int	Low angle circular contact with intrusive. (Contact curves up to north.) LPI shows Mn oxide on most fracture surfaces, qtz eyes and stockwork. No biotite, all feldspar phenos have altered to kaolinite. High carbonate content (strong matrix rxn to HCl). Calcite filled vugs. No greenish argillic cores.	5627	60.00	63.00	3.00	2160.	3853.	25.	9600.	1.5
				5628	63.00	66.00	3.00	980.	1630.	14.	5200.	1.2

PROPERTY : BREMERY CREEK
HOLE No. : BCTR90K-8

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			Band of blue clay at 66m									
66.00	70.00		Rusty limonitic clay.	5629	66.00	69.00	3.00	480.	313.	18.	2500.	0.5
				5630	69.00	72.00	3.00	49.	279.	24.	1800.	0.3
71.00	90.00		Blocky LPI. Rusty brown with green white argillic cores. No rxn to HCl. Qtz eyes and stockwork in the limonitic matrix.	5631	72.00	75.00	3.00	21.	329.	28.	2700.	0.3
				5632	75.00	78.00	3.00	13.	255.	22.	3900.	0.3
				5633	78.00	81.00	3.00	19.	280.	34.	4800.	0.3
				5634	81.00	84.00	3.00	330.	650.	29.	4600.	0.6
				5635	84.00	87.00	3.00	61.	404.	39.	8700.	0.5
				5636	87.00	90.00	3.00	106.	675.	52.	5600.	0.6
90.00	99.00		Rare hand sample shows blue phyllic core (Blue/white qtz, sericite and minor silvery pyrite - arsenopyrite??)	5637	90.00	93.00	3.00	26.	355.	38.	4400.	0.2
				5638	93.00	96.00	3.00	12.	420.	51.	5200.	0.3
				5639	96.00	99.00	3.00	15.	115.	17.	3000.	0.3
99.00	108.00		Limonite content increases to 20%. Altered phenos are mostly brown rather than white clay. Fault at 108m marked by 4cm band of blue clay with small fractured clasts of black argillite.	5640	99.00	102.00	3.00	8.	152.	18.	3200.	0.4
				5641	102.00	105.00	3.00	13.	128.	25.	2900.	0.4
				5642	105.00	108.00	3.00	36.	261.	36.	3600.	0.6
108.00	120.00		Altered porphyry as at 71m.	5643	108.00	111.00	3.00	2580.	2081.	52.	5200.	1.1
				5644	111.00	114.00	3.00	280.	959.	75.	3700.	0.4
				5645	114.00	117.00	3.00	250.	844.	69.	3800.	0.4
				5646	117.00	120.00	3.00	380.	463.	27.	1900.	0.4
120.00	126.00		Blue phyllic cores are becoming more common in blocks larger than fist sized.	5647	120.00	123.00	3.00	17.	296.	33.	1600.	0.4
				5648	123.00	126.00	3.00	31.	229.	21.	3100.	0.4
126.00	132.00		Band of sandy porphyritic fault gouge Fresh biotite, k-spar intrusive (grey monzonite/syenite). Abundant fresh bio. Weathered surfaces are brown and show yellow weathered feldspar phenos.	5649	126.00	129.00	3.00	8.	66.	10.	130.	0.3
				5650	129.00	132.00	3.00	9.	47.	18.	80.	0.3
132.00	160.00		Monz/syenite intrusive is becoming more weathered.	5651	132.00	135.00	3.00	5.	140.	23.	1100.	0.3
				5652	135.00	138.00	3.00	13.	225.	43.	430.	0.4
				5653	138.00	141.00	3.00	10.	62.	12.	80.	0.3
				5654	141.00	144.00	3.00	9.	39.	14.	90.	0.7
				5655	144.00	147.00	3.00	9.	33.	14.	120.	0.4
				5656	147.00	150.00	3.00	6.	12.	5.	50.	0.4
				5657	150.00	153.00	3.00	13.	19.	6.	40.	0.4
				5658	153.00	156.00	3.00	14.	26.	7.	40.	0.4
				5659	156.00	159.00	3.00	10.	32.	14.	80.	0.4
				5660	159.00	162.00	3.00	8.	70.	24.	830.	0.5
160.00	184.00		Sharp increase in slope of trench coincides with start of LPI (ref. 71m).	5661	162.00	165.00	3.00	5.	55.	22.	230.	0.5
				5662	165.00	168.00	3.00	5.	56.	27.	470.	0.4

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMNER CREEK
HOLE No. : BCTR90E-8

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			Contact obscured.	5663	168.00	171.00	3.00	4.	144.	37.	330.	0.3
				5664	171.00	174.00	3.00	19.	232.	44.	370.	0.6
				5665	174.00	177.00	3.00	10.	145.	35.	280.	0.2
				5666	177.00	180.00	3.00	13.	140.	31.	380.	0.2
				5667	180.00	183.00	3.00	7.	102.	18.	290.	0.1
				5668	183.00	186.00	3.00	17.	93.	16.	250.	0.2
184.00	231.00	arg	Black, fractured argillite. Gravel - like texture. Larger blocks show red and green staining on all fracture surfaces. Deep red hematite coating on some argillite clasts. Extensive qtz stockwork.	5669	186.00	189.00	3.00	10.	86.	10.	660.	0.2
				5670	189.00	192.00	3.00	39.	269.	10.	3200.	0.3
				5671	192.00	195.00	3.00	3.	40.	4.	180.	0.6
				5672	195.00	198.00	3.00	8.	33.	8.	230.	0.5
				5673	198.00	201.00	3.00	3.	45.	8.	650.	0.3
				5674	201.00	204.00	3.00	7.	67.	10.	850.	0.2
				5675	204.00	207.00	3.00	15.	233.	11.	860.	0.1
				5676	207.00	210.00	3.00	6.	90.	14.	1900.	0.4
				5677	210.00	213.00	3.00	3.	104.	8.	170.	0.4
213.00	217.00		LPI. Argillite dips out of trench and reappears at 217m.	5678	213.00	216.00	3.00	2.	70.	7.	2900.	0.3
				5679	216.00	219.00	3.00	4.	216.	17.	1800.	0.5
				5680	219.00	222.00	3.00	84.	138.	15.	1700.	1.3
				5681	222.00	225.00	3.00	27.	39.	7.	1500.	1.5
				5682	225.00	228.00	3.00	26.	26.	5.	2300.	0.8
				5683	228.00	231.00	3.00	37.	88.	14.	2000.	1.3
231.00	280.00	int	Poorly defined contact. Porphyry as above with yellow/green cores. Good porosity.	5684	231.00	234.00	3.00	32.	107.	33.	1800.	1.9
				5685	234.00	237.00	3.00	118.	241.	26.	2500.	1.9
				5686	237.00	240.00	3.00	320.	480.	134.	2400.	1.4
				5687	240.00	243.00	3.00	47.	286.	50.	5400.	0.2
				5688	243.00	246.00	3.00	88.	218.	513.	2500.	0.3
246.00	246.50		Fault?? Marked by rusty sand-like gouge.	5689	246.00	249.00	3.00	95.	186.	38.	1300.	0.3
246.50	255.00		Fresh intrusive. (Ref. 126m)	5690	249.00	252.00	3.00	33.	119.	20.	620.	0.1
				5691	252.00	255.00	3.00	20.	85.	11.	1600.	0.4
255.00	276.00		Altered porphyry below 2cm lense of argillite, white clay layer along base of lense. Differs from typical LPI: Matrix is pink/brown and very silicified. Strong rxn to HCl. Remnant limonitic phenos adjacent to (new??) recrystallized k-spar phenos. Large recrystallized biotite occurs in clusters. Blocks over fist size all show blue cores (qtz, k-spar biotite, calcite). Pink matrix has	5692	255.00	258.00	3.00	44.	262.	48.	4900.	3.0
				5693	258.00	261.00	3.00	84.	469.	49.	2300.	1.0
				5694	261.00	264.00	3.00	36.	143.	26.	1200.	1.0
				5695	264.00	267.00	3.00	29.	246.	22.	2500.	0.4
				5696	267.00	270.00	3.00	21.	228.	27.	2000.	0.4
				5697	270.00	273.00	3.00	1170.	758.	16.	2200.	0.7
				5698	273.00	276.00	3.00	730.	880.	18.	5600.	0.7

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			abundant qtz stockwork, vugs, and qtz eyes Weathered soil around this unit is red rather than rusty brown. May reflect change from limonite to hematite.									
276.00	280.00		Biotite fades out; silicification increases.	5699	276.00	279.00	3.00	1340.	1502.	24.	2500.	1.6
				5700	279.00	282.00	3.00	330.	390.	17.	920.	1.0
280.00	282.00	arg	Black fractured argillite.									
282.00	330.00	int	Hematitic altered porphyry. Very silicified & red.	5701	282.00	285.00	3.00	490.	1565.	37.	2000.	0.6
				5702	285.00	288.00	3.00	280.	1236.	58.	2700.	0.8
				5703	288.00	291.00	3.00	210.	1935.	41.	2600.	0.4
291.00	330.00		Band (up to 1m) of rusty, yellow sandy clay runs midway up the trench. Contains blocks of argillic (green/yellow) altered intrusive. Below it is the red porphyry. Outcrop suspect from this point - most likely weathering horizons. This banding continues to 330m with a band of black argillite sand appearing below the red. (Samples from R5710-R5716 are suspect)	5704	291.00	294.00	3.00	230.	2174.	45.	3200.	0.3
				5705	294.00	297.00	3.00	830.	1602.	326.	4800.	0.7
				5706	297.00	300.00	3.00	770.	1940.	231.	3200.	1.0
				5707	300.00	303.00	3.00	211.	694.	30.	2300.	0.4
				5708	303.00	306.00	3.00	47.	609.	40.	5000.	0.2
				5709	306.00	309.00	3.00	550.	1659.	39.	5200.	0.6
				5710	309.00	312.00	3.00	580.	1593.	57.	3500.	0.8
				5711	312.00	315.00	3.00	420.	1141.	469.	2600.	0.7
				5712	315.00	318.00	3.00	880.	1043.	1977.	2400.	1.1
				5713	318.00	321.00	3.00	690.	1014.	196.	2800.	0.9
				5714	321.00	324.00	3.00	650.	2435.	557.	3500.	0.7
				5715	324.00	327.00	3.00	1130.	2264.	2717.	2200.	1.0
				5716	327.00	330.00	3.00	520.	1137.	117.	2000.	0.5

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90K-8
Grid System : ORIGINAL
Collar Eastings : 21174.130
Collar Northings : 20020.060
Collar Elevations : 1066.890
Collar Bearing : 179.63
Grid Baseline : 66.00

Collar Inclination : -8.93
Grid Bearing : 156.00
Final Depth : 359.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
0.00	36.00				3			2														
36.00	48.00				2																	
48.00	54.00	1.5	1.5		3	2	5-10	3														
54.00	60.00																					
60.00	70.00	1.5	2		3	2	5-10	2														
70.00	126.00	2.5	2				2.75	10-15	2													

PROPERTY : BREMERY CREEK
HOLE No. : BCTR90K-8

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
126.00	160.00																						
160.00	183.00	2.5	2				2.5																
183.00	232.00								3														

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90K-8

FROM	TO	Arg	Sil	Serc	GEOCHEMICAL SAMPLES Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
232.00	248.00	2.5	2				2.25	5-10	2	
248.00	258.00									
258.00	280.00	1.5	3			3	2.5	1-3	3	
280.00	282.00					2				

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90K-8

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
282.00	330.00	1.5	3		3	3	1-3	3														

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90I-9
Grid System : ORIGINAL
Collar Eastings : 20839.940
Collar Northings : 20031.350
Collar Elevations : 1063.820
Collar Bearing : 178.72
Grid Baseline : 66.00

Collar Inclination : -6.81
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	3.00	ARG	Black graphitic argillite, texture of coarse black sand.	137001	0.00	3.00	3.00	38.	172.	10.	20000.	3.3
3.00	30.00	INT										
3.00	4.50		Powdery white (kaolinite rich) fault gouge with clasts of intrusive.	137002	3.00	6.00	3.00	620.	227.	22.	4300.	0.4
4.50	10.00		Altered, limonitic porphyritic intrusive.	137003	6.00	9.00	3.00	5570.	2215.	42.	5800.	1.2
			Intense phyllic alteration. Abundant qz stockwork and veining. Matrix varies from white (clay rich) to qz rich rusty green brown.	137004	9.00	12.00	3.00	6230.	1274.	24.	5600.	1.4
10.00	30.00		Qtz. stockwork continues to end of trench, minor variation in matrix composition (Rusty green/brown limonite rich to silicified pink). All hand samples show remnant porphyry texture with clay altered feldspar phenos.	137005	12.00	15.00	3.00	610.	983.	23.	4100.	0.8
				137006	15.00	18.00	3.00	980.	1382.	18.	3500.	0.8
				137007	18.00	21.00	3.00	101.	383.	12.	4300.	0.1
				137008	21.00	24.00	3.00	61.	287.	13.	3200.	0.1
				137009	24.00	27.00	3.00	400.	983.	368.	3600.	0.1
				137010	27.00	30.00	3.00	103.	851.	93.	3800.	0.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90K-9
Grid System : ORIGINAL
Collar Eastings : 20839.940
Collar Northings : 20031.350
Collar Elevations : 1063.820
Collar Bearing : 178.72
Grid Baseline : 66.00

Collar Inclination : -6.81
Grid Bearing : 156.00
Final Depth : 30.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
5.00	30.00	1.5-2	2-3				2.5-3	5-10	2-3													

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90K-10
Grid System : ORIGINAL
Collar Eastings : 20779.761
Collar Northings : 20038.390
Collar Elevations : 1040.000
Collar Bearing : 180.01
Grid Baseline : 66.00

Collar Inclination : 5.14
Grid Bearing : 156.00
Final Depth : 144.00
Claim No. :

Logged by : GREG GILLSTOM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	9.00	FLOAT	Overburden. Soil supported clasts of barite. Altered rusty intrusive and black argillite.	136501	0.00	3.00	3.00	16.	39.	8.	1800.	0.3
				136502	3.00	6.00	3.00	9.	83.	15.	6600.	1.0
				136503	6.00	9.00	3.00	8.	81.	14.	5700.	1.2
9.00	27.00	ARG	Black, fractured argillite. Very graphitic at contact with intrusive.	136504	9.00	12.00	3.00	1.	168.	25.	11000.	2.1
				136505	12.00	15.00	3.00	15.	66.	11.	7800.	1.5
				136506	15.00	18.00	3.00	15.	70.	28.	5400.	0.8
				136507	18.00	21.00	3.00	1.	30.	8.	13000.	1.6
				136508	21.00	24.00	3.00	38.	68.	9.	9600.	2.2
				136509	24.00	27.00	3.00	103.	213.	22.	5900.	2.4
27.00	66.00	INT										
27.00	30.00		Green/white (kaolinite rich) clay gouge. Rusty limonitic porphyritic intrusive. Mn oxide staining on fracture surfaces. Brown silicified matrix, remnant porphyry texture. Minor qz stockwork near 30m contact.	136510	27.00	30.00	3.00	3720.	518.	151.	4200.	1.2
				136511	30.00	33.00	3.00	2140.	1159.	1397.	4600.	0.9
				136512	33.00	36.00	3.00	2670.	1776.	1083.	4000.	0.5
				136513	36.00	39.00	3.00	1030.	977.	496.	3000.	0.1
				136514	39.00	42.00	3.00	450.	682.	54.	2500.	0.1
				136515	42.00	45.00	3.00	410.	728.	128.	3800.	0.1
				136516	45.00	48.00	3.00	340.	734.	294.	4200.	0.1
				136517	48.00	51.00	3.00	850.	1251.	167.	4600.	0.1
				136518	51.00	54.00	3.00	630.	964.	976.	4800.	0.1
				136519	54.00	57.00	3.00	550.	836.	165.	4300.	0.1
				136520	57.00	60.00	3.00	230.	864.	29.	3700.	0.1
				136521	60.00	63.00	3.00	1240.	1204.	170.	3300.	0.1
				136522	63.00	66.00	3.00	660.	1079.	99.	4800.	0.1
66.00	104.00	INT										
66.00	67.00		Uneven faulted contact. 5cm band of blue clay with chips of black argillite seperates the rusty altered intrusive from th dark weathered intrusive. Weathered biotite/kspar rich porphyritic intrusive (grey matrix). Outcrop varies from blocky weathered intrusive to coarse biotite rich sand.	136523	66.00	69.00	3.00	270.	416.	50.	1600.	0.1
				136524	69.00	72.00	3.00	63.	138.	32.	2000.	0.1
				136525	72.00	75.00	3.00	670.	377.	74.	1600.	0.1

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90E-10

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
73.00	75.00		Slightly altered limonite rich intrusive	136526	75.00	78.00	3.00	81.	91.	32.	500.	0.1
				136527	78.00	81.00	3.00	67.	79.	19.	320.	0.1
				136528	81.00	84.00	3.00	58.	89.	22.	1200.	0.1
83.00	87.00		Slightly altered limonite rich intrusive.	136529	84.00	87.00	3.00	380.	381.	31.	1600.	0.1
				136530	87.00	90.00	3.00	33.	83.	14.	390.	0.1
				136531	90.00	93.00	3.00	2770.	843.	45.	1500.	0.1
				136532	93.00	96.00	3.00	310.	317.	23.	1400.	0.1
				136533	96.00	99.00	3.00	1910.	695.	30.	2000.	0.1
				136534	99.00	102.00	3.00	490.	244.	15.	1050.	0.1
				136535	102.00	105.00	3.00	59.	80.	21.	1800.	0.1
104.00	144.00	INT	Faulted contact, 110/48 NE. Contact curves at top of trench - down slope movement? Altered limonitic porphyritic intrusive. Hard silicified brown matrix, clay altered feldspar phenos. Section of unaltered (intensely weathered) intrusive.	136536	105.00	108.00	3.00	450.	432.	939.	3900.	3.2
				136537	108.00	111.00	3.00	200.	295.	159.	3200.	0.9
				136538	111.00	114.00	3.00	540.	559.	80.	4400.	0.4
				136539	114.00	117.00	3.00	66.	291.	100.	2800.	0.1
				136540	117.00	120.00	3.00	62.	86.	23.	1500.	0.1
				136541	120.00	123.00	3.00	210.	90.	13.	1300.	0.1
				136542	123.00	126.00	3.00	122.	113.	27.	2100.	0.1
126.00	144.00		Suspect overburden. Blocks of altered and unaltered intrusive in coarse biotite sand.	136543	126.00	129.00	3.00	52.	123.	12.	430.	0.1
				136544	129.00	132.00	3.00	450.	451.	24.	2100.	0.1
				136545	132.00	135.00	3.00	105.	159.	26.	2600.	0.1
				136546	135.00	138.00	3.00	200.	231.	31.	2400.	0.1
				136547	138.00	141.00	3.00	300.	242.	35.	1700.	0.1
				136548	141.00	144.00	3.00	7310.	229.	79.	2000.	0.3

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90K-10
Grid System : ORIGINAL
Collar Eastings : 20779.761
Collar Northings : 20038.390
Collar Elevations : 1040.000
Collar Bearing : 180.01
Grid Baseline : 66.00

Collar Inclination : 5.14
Grid Bearing : 156.00
Final Depth : 144.00
Claim No. :

Logged by : GREG GILLSTON
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
28.00	67.00	1.5	2.5				1-2	10-30	0-1													

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90K-10

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
114.00	144.00	1	2				1.5	3-5														

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90K-11
Grid System : ORIGINAL
Collar Eastings : 21072.400
Collar Northings : 20112.630
Collar Elevations : 1098.900
Collar Bearing : 181.06
Grid Baseline : 66.00

Collar Inclination : -13.46
Grid Bearing : 156.00
Final Depth : 155.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	9.00	SEDS	Green/brown and black shale, spotty quartz veining.	136550	0.00	3.00	3.00	12.	153.	15.	360.	1.0
				136551	3.00	6.00	3.00	8.	152.	17.	900.	1.5
				136552	6.00	9.00	3.00	7.	255.	14.	1800.	1.0
7.00	9.00		Intense qtz veining, Mn oxide staining on fracture surfaces.									
9.00	70.00	VOL	Fine grained blue volcanic (cherty tuff). Fractured and weathered rusty brown. Abundant blue quartz veining, and calcite veining along fracture surfaces. Minor amounts of disseminated pyrite.	136553	9.00	12.00	3.00	15.	143.	8.	950.	0.9
				136554	12.00	15.00	3.00	4.	85.	4.	540.	1.5
				136555	15.00	18.00	3.00	10.	227.	14.	920.	1.4
				136556	18.00	21.00	3.00	10.	160.	13.	1100.	2.2
				136557	21.00	24.00	3.00	8.	114.	8.	1200.	1.8
				136558	24.00	27.00	3.00	8.	288.	17.	2600.	1.9
				136559	27.00	30.00	3.00	8.	81.	7.	400.	1.5
				136560	30.00	33.00	3.00	8.	47.	4.	110.	0.6
				136561	33.00	36.00	3.00	4.	128.	4.	680.	1.1
				136562	36.00	39.00	3.00	27.	291.	8.	780.	1.3
				136563	39.00	42.00	3.00	22.	322.	7.	750.	1.6
				136564	42.00	45.00	3.00	9.	169.	4.	200.	1.5
				136565	45.00	48.00	3.00	7.	118.	8.	140.	0.7
				136566	48.00	51.00	3.00	12.	91.	11.	170.	2.0
51.00	56.00		Weathered (biotite/feldspar) porphyry intrusive. Weathered to coarse sand, abundant fresh biotite and clay altered feldspar phenocrysts. May be overburden filling a depression?	136567	51.00	54.00	3.00	8.	167.	22.	330.	1.5
				136568	54.00	57.00	3.00	7.	63.	12.	60.	1.0
				136569	57.00	60.00	3.00	6.	60.	12.	70.	1.9
				136570	60.00	63.00	3.00	6.	72.	11.	160.	2.4
				136571	63.00	66.00	3.00	8.	118.	12.	130.	1.1
				136572	66.00	69.00	3.00	6.	85.	10.	200.	3.6
68.00	70.00		Rusty fractured shale and volcanics, overburden?	136573	69.00	72.00	3.00	10.	134.	7.	230.	1.5
70.00	75.00	SEDS	Black flacky argillite.	136574	72.00	75.00	3.00	3.	168.	11.	160.	1.0

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90X-12
Grid System : ORIGINAL
Collar Eastings : 21066.770
Collar Northings : 19962.350
Collar Elevations : 1059.160
Collar Bearing : 184.13
Grid Baseline : 66.00

Collar Inclination : -16.76
Grid Bearing : 156.00
Final Depth : 60.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	15.00	SHALE	Green/brown flakey shale. 1m thick band of blue clay (with black argillite chips runs over the shale.	136575	0.00	3.00	3.00	2.	58.	10.	920.	0.2
				136576	3.00	6.00	3.00	6.	49.	9.	2200.	0.1
6.00	9.00		Chevron folding of shale.	136577	6.00	9.00	3.00	3.	37.	10.	1700.	0.1
				136578	9.00	12.00	3.00	14.	70.	13.	3200.	0.3
				136579	12.00	15.00	3.00	310.	675.	80.	3500.	0.5
15.00	20.00	INT	Faulted contact with rusty limonitic porphyritic intrusive.									
15.00	17.00		White gouge band. Slickensides on intrusive blocks.	136580	15.00	18.00	3.00	680.	1675.	152.	4400.	0.4
				136581	18.00	21.00	3.00	29.	900.	50.	3300.	0.6
20.00	24.00	ARG	Black argillite - fragmented in blue clay.	136582	21.00	24.00	3.00	6.	283.	28.	1200.	0.2
24.00	60.00	INT	Weathered, biotite rich porphyritic intrusive; clay weathering of feldspars.	136583	24.00	27.00	3.00	17.	226.	21.	2100.	0.1
				136584	27.00	30.00	3.00	7.	214.	17.	1800.	0.2
				136585	30.00	33.00	3.00	92.	741.	27.	1300.	0.1
				136586	33.00	36.00	3.00	11.	123.	27.	1500.	0.1
				136587	36.00	39.00	3.00	25.	142.	15.	2500.	0.1
				136588	39.00	42.00	3.00	3820.	2163.	28.	6400.	0.5
				136589	42.00	45.00	3.00	104.	666.	28.	3200.	0.1
45.00	51.00		Abundant Mn oxide staining on fracture surfaces.	136590	45.00	48.00	3.00	41.	287.	18.	1200.	0.2
				136591	48.00	51.00	3.00	29.	193.	31.	3100.	0.1
51.00	60.00		Weathered intrusive grades into blocky fresh intrusive (monzonite) with spotty weathered sections.	136592	51.00	54.00	3.00	63.	195.	156.	2500.	0.1
				136593	54.00	57.00	3.00	22.	132.	31.	540.	0.1
				136594	57.00	60.00	3.00	19.	99.	32.	730.	0.2

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90L-1
Grid System : ORIGINAL
Collar Eastings : 22840.000
Collar Northings : 19903.000
Collar Elevations : 862.600
Collar Bearing : 201.94
Grid Baseline : 66.00

Collar Inclination : 17.85
Grid Bearing : 156.00
Final Depth : 108.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	9.00	INT	Altered limonitic porphyritic intrusive. Highly fractured with permafrost (ice) in fractures. Rusty brown, silicified in spots, completely weathered to sand in spots.	140511	0.00	3.00	3.00	126.	269.	265.	500.	0.2
				140512	3.00	6.00	3.00	880.	1227.	1206.	6000.	0.6
				140513	6.00	9.00	3.00	720.	439.	19820.	7700.	5.6
9.00	16.00	INT	Intrusive is bleached white, abundant sericite and quartz with quartz veining. Very porous with porphyry texture still visible.	140514	9.00	12.00	3.00	950.	846.	385.	4500.	1.5
				140515	12.00	15.00	3.00	590.	1058.	469.	3600.	0.7
				140516	15.00	18.00	3.00	280.	1372.	81.	13000.	0.5
16.00	24.00	INT	Rusty brown limonitic intrusive. Abundant manganese staining on fracture surfaces with fine quartz stockwork.	140517	18.00	21.00	3.00	850.	2155.	99.	9200.	1.0
				140518	21.00	24.00	3.00	310.	843.	106.	5900.	1.4
24.00	27.00	INT	Bleached zone as at 9 - 16 meters.	140519	24.00	27.00	3.00	480.	523.	336.	3200.	1.3
27.00	42.00	INT	Rusty brown intrusive as at 16 - 24 meters Note: at 27 m; Large stibnite vein (8 cm wide) Note: Sample #140548 is a high grade sample of this vein.	140520	27.00	30.00	3.00	820.	24.	30221.	6500.	19.8
27.10	33.00		Several smalll stibnite veins. Note: at 33 m; 4 meter wide zone of stibnite veining. #140549 is a high grade sample of this vein.	140521	30.00	33.00	3.00	1080.	1709.	843.	6000.	1.3
				140522	33.00	36.00	3.00	1350.	2074.	10081.	9500.	4.5
36.00	36.02		2 cm wide stibnite vein.	140523	36.00	39.00	3.00	1450.	1947.	4459.	6400.	1.7
				140524	39.00	42.00	3.00	280.	1169.	133.	1900.	0.5
42.00	50.00	ARG	Frozen band of black mud with large black argillite chips (fault zone?).	140525	42.00	45.00	3.00	12.	195.	50.	1600.	0.4
				140526	45.00	48.00	3.00	5.	94.	23.	1100.	0.2
				140527	48.00	51.00	3.00	9.	81.	15.	920.	0.4
50.00	53.00	INT	Rusty brown intrusive as at 16-24 meters.	140528	51.00	54.00	3.00	9.	343.	23.	5400.	0.2

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMERY CREEK
HOLE No. : BCTR90L-1

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
53.00	56.00	ARG	Fissile black argillite.	140529	54.00	57.00	3.00	100.	1570.	41.	6300.	0.6
56.00	66.00	INT	Rusty red altered intrusive. Abundant deep red staining; yellow altered feldspar phenocrysts; abundant tarnished disseminated pyrite.	140530	57.00	60.00	3.00	1360.	6175.	52.	5100.	0.5
				140531	60.00	63.00	3.00	1390.	5420.	46.	1900.	0.5
				140532	63.00	66.00	3.00	980.	4918.	37.	1700.	0.6
66.00	76.00	INT	Blue, fine grained porphyry. Green clay altered feldspars, abundant steely pyrite. Fine white quartz stockwork, quartz eyes. Handsamples all show outer limonitic weathering rind.	140533	66.00	69.00	3.00	90.	387.	29.	2100.	0.1
				140534	69.00	72.00	3.00	2.	158.	18.	1300.	0.3
				140535	72.00	75.00	3.00	310.	2111.	27.	4400.	0.2
				140536	75.00	78.00	3.00	11.	181.	15.	1800.	0.2
76.00	78.00	ARG	Fractured black argillite.									
78.00	108.00	INT	Limonitic porphyritic intrusive. Hard brown silicified matrix, abundant bleached biotite. Larger blocks show blue core (matrix) as at 66 - 75 meters.	140537	78.00	81.00	3.00	12.	288.	18.	5300.	0.3
				140538	81.00	84.00	3.00	7.	238.	17.	4800.	0.2
				140539	84.00	87.00	3.00	2.	102.	19.	2800.	0.4
85.00	87.00			140540	87.00	90.00	3.00	7.	200.	15.	2300.	0.2
				140541	90.00	93.00	3.00	30.	354.	15.	4100.	0.6
				140542	93.00	96.00	3.00	590.	1727.	31.	6300.	0.5
				140543	96.00	99.00	3.00	1610.	2577.	32.	3500.	1.0
				140544	99.00	102.00	3.00	400.	1314.	33.	4800.	0.5
				140545	102.00	105.00	3.00	610.	989.	37.	6800.	0.2
				140546	105.00	108.00	3.00	2050.	1332.	41.	3700.	1.2

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90L-1
Grid System : ORIGINAL
Collar Eastings : 22840.000
Collar Northings : 19903.000
Collar Elevations : 862.600
Collar Bearing : 201.94
Grid Baseline : 66.00

Collar Inclination : 17.85
Grid Bearing : 156.00
Final Depth : 108.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON
Core Size :

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
0.00	3.00	2.5	2.5				3	5-10	2	
3.00	6.00									
6.00	9.00									
9.00	12.00	2.5	3				3.5	1-3	3	
12.00	15.00									
15.00	18.00	2.5	2.5				3	5-10	2	
18.00	21.00									
21.00	24.00									
24.00	27.00	2.5	3				3.5	1-3	3	
27.00	30.00	2.5	2.5				3	5-10	2	
30.00	33.00									
33.00	36.00									
36.00	39.00									
39.00	42.00									
42.00	45.00									
45.00	48.00									
48.00	51.00									
51.00	54.00									
54.00	57.00									
57.00	60.00	1	2				1.5	5-10	1	
60.00	63.00									
63.00	66.00									
66.00	69.00	2	2				3		1	
69.00	72.00									

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90L-1

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
72.00	75.00																					
75.00	78.00																					
78.00	81.00	1	2				1	5-10	1													
81.00	84.00																					
84.00	87.00																					
87.00	90.00																					
90.00	93.00																					
93.00	96.00																					
96.00	99.00																					
99.00	102.00																					
102.00	105.00																					
105.00	108.00																					

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90L-2
Grid System : ORIGINAL
Collar Eastings : 22741.500
Collar Northings : 19861.500
Collar Elevations : 886.500
Collar Bearing : 172.52
Grid Baseline : 66.00

Collar Inclination : -12.43
Grid Bearing : 156.00
Final Depth : 18.00
Claim No. :

Logged by : GORDON MacRAY
Date : -
Downhole Survey :
Drilled By : CARON
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	1.50	OVERBU	Overburden.	140551	0.00	3.00	3.00	18.	87.	792.	350.	0.3
1.50	2.00	INT	Fault gouge with intrusive chips.									
2.00	3.00	ARG	Fault gouge with argillite chips.									
3.00	12.00	INT	Altered intrusive which is strongly fractured.	140552	3.00	6.00	3.00	2530.	2724.	1825.	3800.	1.4
				140553	6.00	9.00	3.00	1830.	2273.	6112.	4400.	0.9
7.00	12.00		Note: at 6.5 m; small stibnite vein. More competant rock; blocky.	140554	9.00	12.00	3.00	250.	897.	138.	5400.	0.5
12.00	13.00	ARG	Black clay gouge.	140555	12.00	15.00	3.00	300.	1496.	115.	7100.	0.2
13.00	15.00	INT	Limonitic altered intrusive.									
15.00	18.00	ARG	Black flakey argillite.	140556	15.00	18.00	3.00	28.	181.	47.	2200.	1.5

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90L-2
Grid System : ORIGINAL
Collar Eastings : 22741.500
Collar Northings : 19861.500
Collar Elevations : 886.500
Collar Bearing : 172.52
Grid Baseline : 66.00

Collar Inclination : -12.43
Grid Bearing : 156.00
Final Depth : 18.00
Claim No. :

Logged by : GORDON MacKAY
Date : -
Downhole Survey :
Drilled By : CARON
Core Size :

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
0.00	3.00	4								
3.00	6.00	2					2.5	10		2
6.00	9.00	1.5					2	5		
9.00	12.00									
12.00	15.00	2					2.5	7		2
15.00	18.00									

FROM	TO	GEOTECHNICAL SAMPLES Reco-very %	Lim %	Break-age	Sx %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90M-10
Grid System : ORIGINAL
Collar Eastings : 18171.100
Collar Northings : 20618.200
Collar Elevations : 909.500
Collar Bearing : 181.60
Grid Baseline : 66.00

Collar Inclination : -9.27
Grid Bearing : 156.00
Final Depth : 174.00
Claim No. :

Logged by : M. TEMPLEMAN-KLUIT
Date : -
Downhole Survey :
Drilled By : MIDNIGHT SUN
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	7.00	INT	Rusty limonitic porphyritic intrusive. High argillic alteration. Abundant MnO2 staining on fracture surfaces. White and brown clay feldspar phenos. Abundant clear qz eyes.	137143	0.00	3.00	3.00	360.	529.	175.	2100.	0.4
				137144	3.00	6.00	3.00	93.	613.	209.	1800.	0.7
				137145	6.00	9.00	3.00	52.	159.	76.	14000.	3.3
7.00	20.00	ARG	Black graphitic argillite.	137146	9.00	12.00	3.00	6.	212.	180.	6600.	1.9
10.00	10.06	QTZ	Quartz vein.	137147	12.00	15.00	3.00	57.	188.	85.	12000.	1.4
				137148	15.00	18.00	3.00	32.	62.	70.	4700.	0.9
				137149	18.00	21.00	3.00	55.	420.	170.	6500.	1.5
20.00	55.00	INT	Rusty limonitic porphyritic intrusive as 0m.									
20.00	24.00		White clay rich intrusive.	137150	21.00	24.00	3.00	28.	174.	64.	2300.	0.1
				137151	24.00	27.00	3.00	17.	377.	104.	1600.	0.1
27.00	33.00		Intrusive is weathered completely to rusty sand. No biotite.	137152	27.00	30.00	3.00	23.	352.	75.	1300.	0.1
				137153	30.00	33.00	3.00	11.	243.	78.	1500.	0.1
				137154	33.00	36.00	3.00	11.	275.	86.	2400.	0.1
				137155	36.00	39.00	3.00	34.	550.	64.	2600.	0.3
				137156	39.00	42.00	3.00	190.	708.	33.	2900.	0.2
				137157	42.00	45.00	3.00	30.	547.	35.	1600.	0.1
				137158	45.00	48.00	3.00	132.	1107.	43.	2400.	0.2
47.00	47.03		Quartz vein.									
47.03	48.00		Intensely silicified intrusive.	137159	48.00	51.00	3.00	47.	346.	78.	4300.	0.9
				137160	51.00	54.00	3.00	60.	228.	88.	8300.	1.4
				137161	54.00	57.00	3.00					
55.00	57.00	OVERBR	Overburden. Mud with argillite clasts.									
57.00	58.00	ARG	Black argillite.	137162	57.00	60.00	3.00	57.	419.	104.	3500.	1.3
58.00	122.00	INT	Limonitic porphyritic intrusive as 0m. White and yellow clay altered feldspar phenos - up tp 4cm large.	137163	60.00	63.00	3.00	45.	327.	25.	620.	0.1
				137164	63.00	66.00	3.00	30.	258.	24.	560.	0.1
				137165	66.00	69.00	3.00	14.	110.	20.	520.	0.1
				137166	69.00	72.00	3.00	17.	201.	28.	550.	0.2

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90M-10

INTERVAL(m) FROM	INTERVAL(m) TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	INTERVAL(m) TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				137167	72.00	75.00	3.00	35.	285.	28.	620.	0.2
				137168	75.00	78.00	3.00	310.	1175.	34.	1050.	0.1
				137169	78.00	81.00	3.00	400.	2093.	41.	1300.	0.2
				137170	81.00	84.00	3.00	420.	1266.	53.	780.	0.2
				137171	84.00	87.00	3.00	36.	301.	22.	900.	0.1
				137172	87.00	90.00	3.00	60.	370.	38.	1100.	0.1
				137173	90.00	93.00	3.00	38.	567.	51.	580.	0.1
				137174	93.00	96.00	3.00	270.	1417.	24.	920.	0.1
				137175	96.00	99.00	3.00	38.	216.	16.	830.	0.1
				137176	99.00	102.00	3.00	112.	993.	43.	960.	0.1
				137177	102.00	105.00	3.00	1310.	1833.	39.	1300.	0.2
				137178	105.00	108.00	3.00	123.	812.	42.	1200.	0.1
				137179	108.00	111.00	3.00	200.	1097.	33.	1300.	0.1
				137180	111.00	114.00	3.00	48.	629.	18.	1100.	0.1
				137181	114.00	117.00	3.00	160.	799.	23.	1900.	0.1
				137182	117.00	120.00	3.00	1180.	2280.	542.	1500.	0.3
				137183	120.00	123.00	3.00	2130.	3779.	8005.	3300.	1.0
122.00	125.00	ARG	Black graphitic argillite.	137184	123.00	126.00	3.00	270.	797.	49.	2600.	1.0
125.00	159.00	INT	Rusty limonitic porphyritic intrusive as at 0 m.	137185	126.00	129.00	3.00	200.	1463.	54.	1900.	0.1
				137186	129.00	132.00	3.00	98.	727.	37.	1300.	0.1
				137187	132.00	135.00	3.00	81.	866.	69.	1400.	0.2
				137188	135.00	138.00	3.00	111.	733.	27.	2000.	0.1
				137189	138.00	141.00	3.00	220.	1097.	32.	1500.	0.1
				137190	141.00	144.00	3.00	390.	1343.	33.	1800.	0.2
				137191	144.00	147.00	3.00	92.	754.	17.	1400.	0.1
				137192	147.00	150.00	3.00	66.	539.	14.	1700.	0.1
				137193	150.00	153.00	3.00	85.	584.	13.	2500.	0.1
				137194	153.00	156.00	3.00	45.	227.	18.	3200.	0.1
				137195	156.00	159.00	3.00	46.	414.	30.	4400.	1.2
159.00	162.00	ARG	Black graphitic argillite.	137196	159.00	162.00	3.00	50.	321.	22.	17000.	2.6
162.00	162.10	CLAY	Grey clay band separates argillite from intrusive.	137197	162.00	165.00	3.00	220.	393.	23.	10000.	1.5
162.10	171.00	INT	Rusty limonitic porphyritic intrusive as at 0 m. High argillic alteration. Abundant quartz stockwork.	137198	165.00	168.00	3.00	920.	1273.	53.	8300.	1.6
				137199	168.00	171.00	3.00	110.	972.	50.	4200.	1.1
171.00	173.00	CHERT	Chert pebble conglomerate, slickensides	137200	171.00	174.00	3.00	45.	201.	28.	1200.	0.4

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMNERY CREEK
HOLE No. : BCTR90M-10

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			at contact.									

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90M-1E
Grid System : ORIGINAL
Collar Eastings : 19100.000
Collar Northings : 20985.000
Collar Elevations : 959.000
Collar Bearing : 384.78
Grid Baseline : 66.00

Collar Inclination : -2.00
Grid Bearing : 156.00
Final Depth : 15.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	15.00	CLAY	Soft, grey/black/brown clay. Clay zone colour similar to adjacent brown intrusive and black argillite. Clay has the consistency of wet plaster.	140901	0.00	3.00	3.00					
				140902	3.00	6.00	3.00					
				140903	6.00	9.00	3.00	5.	23.	24.	1200.	0.2
				140904	9.00	12.00	3.00	12.	54.	39.	1800.	0.4
				140905	12.00	15.00	3.00	6.	34.	37.	2000.	0.4

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90M-1E
Grid System : ORIGINAL
Collar Eastings : 19100.000
Collar Northings : 20985.000
Collar Elevations : 959.000
Collar Bearing : 384.78
Grid Baseline : 66.00

Collar Inclination : -2.00
Grid Bearing : 156.00
Final Depth : 15.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Si %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %
0.00	3.00	4																				
3.00	6.00	4																				
6.00	9.00	4																				
9.00	12.00	4																				
12.00	15.00	4																				

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90P-1
Grid System : ORIGINAL
Collar Eastings : 17020.900
Collar Northings : 20566.600
Collar Elevations : 830.910
Collar Bearing : 181.98
Grid Baseline : 64.00

Collar Inclination : -0.19
Grid Bearing : 154.00
Final Depth : 78.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	3.00	FLOAT	Overburden. Trench was deepened at 3m to a depth of 4m.									
3.00	33.00	SHALE	Grey, black and green/grey shale; fissile and bedded with large sections of dense grey clay and black argillite.	13711	3.00	6.00	3.00	990.	797.	8941.	820.	16.3
				13712	6.00	9.00	3.00	1240.	1118.	10629.	1580.	29.2
7.00	7.50		Rusty qz veining.									
9.00	9.25		Rusty qz veining.	13713	9.00	12.00	3.00	2020.	2238.	14883.	2500.	114.8
				13714	12.00	15.00	3.00	57.	171.	215.	230.	1.5
				13715	15.00	18.00	3.00	28.	315.	297.	200.	0.7
				13716	18.00	21.00	3.00	12.	244.	212.	150.	0.1
19.00	19.25		Seep.	13717	21.00	24.00	3.00	27.	223.	153.	90.	0.3
				13718	24.00	27.00	3.00	144.	287.	522.	120.	2.2
				13719	27.00	30.00	3.00	26.	393.	847.	80.	0.3
				13720	30.00	33.00	3.00	123.	324.	8903.	90.	1.2
33.00	66.00	INT	Contact between intrusive and shale is marked by a grey clay band followed by a 5cm vein of stibnite. Contains minor cinnabar (red kermesite?) and powdery yellow antimony ochre. Intrusive is limonitic, porphyritic & biotite rich. Variable in alteration and weathering. Mn oxide staining on most fracture surfaces. Fresh samples are biotite rich with light green to grey green matrix. K-spar phenos vary from unaltered to moderately clay altered	13721	33.00	36.00	3.00	148.	25.	20912.	230.	10.4
				13722	36.00	39.00	3.00	69.	497.	161.	90.	1.1
37.00	45.00		Rusty limonite rich section.	13723	39.00	42.00	3.00	67.	486.	299.	80.	0.1
				13724	42.00	45.00	3.00	10.	478.	90.	110.	0.1
45.00	51.00		Weathered syenite; large unaltered k-spar phenos, abundant biotite, green/brown weathered matrix. Mn oxide staining on fracture surfaces.	13725	45.00	48.00	3.00	24.	336.	102.	60.	0.1
				13726	48.00	51.00	3.00	16.	430.	60.	40.	0.1
51.00	53.00		Highly altered limonitic intrusive.	13727	51.00	54.00	3.00	22.	672.	51.	60.	0.1

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90P-1

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
			Porphyritic texture destroyed. Matrix is mostly green sericite and altered feldspar High limonite content.	13728	54.00	57.00	3.00	10.	173.	25.	20.	0.1
				13729	57.00	60.00	3.00	31.	386.	42.	30.	0.1
				13730	60.00	63.00	3.00	121.	1004.	63.	50.	0.5
61.00	62.00		Qtz veining, high phyllic alt'n in surrounding rock.	13731	63.00	66.00	3.00	1.	148.	14.	50.	0.1
66.00	78.00	SHALE	Green/grey shale, black argillite, and brown mudstone. Minor pods of grey clay.	13732	66.00	69.00	3.00	1.	430.	23.	160.	0.4
				13733	69.00	72.00	3.00	1.	202.	4.	250.	0.2
				13734	72.00	75.00	3.00	12.	587.	17.	270.	0.2
				13735	75.00	78.00	3.00	10.	13.	9.	130.	0.2

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90P-1
Grid System : ORIGINAL
Collar Eastings : 17020.900
Collar Northings : 20566.600
Collar Elevations : 830.910
Collar Bearing : 181.98
Grid Baseline : 64.00

Collar Inclination : -0.19
Grid Bearing : 154.00
Final Depth : 78.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
36.00	42.00	1-2	1-2				1-2	10-15		
42.00	51.00	1.5	2				2-3	10-30		
51.00	66.00	1.5	1				3-3.5	15		

FROM	TO	GEOTECHNICAL SAMPLES Reco-very %	Lim %	Break-age	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMERY CREEK
HOLE No. : BCTR90P-3
Grid System : ORIGINAL
Collar Eastings : 17020.900
Collar Northings : 20572.600
Collar Elevations : 830.910
Collar Bearing : 363.34
Grid Baseline : 64.00

Collar Inclination : -3.99
Grid Bearing : 154.00
Final Depth : 48.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON DIAMOND DRILL
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	48.00	MUDST	Fractured, fissile mudstone; grey to rusty orange.	137119	0.00	3.00	3.00	200.	2034.	1346.	280.	0.8
3.00	3.10		10 cm band of grey clay. Strike approx 94, dip uncertain - probably SW.	137120	3.00	6.00	3.00	450.	3255.	11991.	460.	6.4
4.00	4.50		Stibnite/qz vein - .5m wide, vertical.	137121	6.00	9.00	3.00	190.	2041.	885.	150.	0.6
			At 8m, mudstone becomes more competent,	137122	9.00	12.00	3.00	102.	1669.	1417.	260.	1.1
			colour change to rusty red/green.	137123	12.00	15.00	3.00	520.	1466.	3631.	240.	4.3
13.00	14.00		Rusty section.	137124	15.00	18.00	3.00	1330.	1086.	24735.	1400.	35.1
16.00	28.00		Large stibnite qz vein. Runs parallel	137125	18.00	21.00	3.00	5610.	1141.	30923.	7300.	170.9
			to trench wall (both sides). Vein is	137126	21.00	24.00	3.00	3850.	2091.	26906.	2600.	47.2
			.5-.75m wide - approx attitude is	137127	24.00	27.00	3.00	2600.	4082.	16132.	820.	32.0
			96/8 SW.	137128	27.00	30.00	3.00	2090.	2470.	17047.	650.	18.8
			NOTE: Sample #137135 is a high grade sample of the qz from this vein. Sample #137136 is a high grade sample of the stibnite from this vein.									
28.00	33.00		Abundant small rusty veins.	137129	30.00	33.00	3.00	870.	2094.	7342.	760.	11.5
33.00	33.05		5cm wide qz vein.	137130	33.00	36.00	3.00	2070.	7115.	5605.	1300.	13.8
35.00	38.00		Large qz vein - approx. orientation	137131	36.00	39.00	3.00	1370.	5331.	2310.	1400.	10.8
			126/40 SW. Runs on both sides of the	137132	39.00	42.00	3.00	580.	1598.	1606.	480.	3.0
			trench - 12cm wide.									
			NOTE: Sample 137137 is a high grade sample of this vein from 35-37m.									
			Sample 137138 is from the 37-38m part of the vein.									
41.00	41.02		Small qz stibnite vein (1-2cm wide).	137133	42.00	45.00	3.00	200.	781.	1359.	240.	0.6
			NOTE: Sample 137139 is a high grade sample of this vein.	137134	45.00	48.00	3.00	230.	415.	613.	250.	0.5
46.00	48.00		End of trench, flooded. Sample 137134 may be contaminated with float (chert boulder).									

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90P-4
Grid System : ORIGINAL
Collar Eastings : 17089.710
Collar Northings : 20343.400
Collar Elevations : 835.300
Collar Bearing : 359.98
Grid Baseline : 66.00

Collar Inclination : 0.42
Grid Bearing : 156.00
Final Depth : 195.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	6.00	MUDST	Soft grey mudstone, interbedded with blue grey clay.	140576	0.00	3.00	3.00	12.	31.	73.	1300.	0.1
2.00	3.00		Numerous milky white quartz veins (=1 cm wide).	140577	3.00	6.00	3.00	12.	20.	20.	110.	0.1
6.00	31.00	SHALE	Bedded grey/black shale. Trench flooded from 6 to 27 meters due to seep at bedrock/overburden interface.	140578	27.00	30.00	3.00	8.	15.	22.	90.	0.2
				140579	30.00	33.00	3.00	44.	13.	6.	50.	0.1
			Note: at 27m the shale folds up out of the trench.									
31.00	36.00	CLAY	Rusty/white frozen clay.	140580	33.00	36.00	3.00	3.	26.	9.	70.	0.2
36.00	45.00	INT	Limonitic porphyritic intrusive with high phyllic alteration. Porous green sericite matrix. Abundant rusty fine quartz veining. High limonite content. Manganese oxide staining on fracture surfaces. Rusty orange weathering rind.	140581	36.00	39.00	3.00	2.	52.	13.	100.	0.3
				140582	39.00	42.00	3.00	2.	22.	16.	70.	0.1
				140583	42.00	45.00	3.00	5.	62.	18.	80.	0.1
43.00	45.00		Bleached white/green.									
45.00	51.00	CLAY	Grey/white frozen clay with minor soft grey mudstone.	140584	45.00	48.00	3.00	5.	416.	33.	180.	0.8
				140585	48.00	51.00	3.00	56.	113.	28.	100.	1.4
51.00	57.00	SANDST	Fractured black sandstone. Abundant small milky white quartz veins.	140586	51.00	54.00	3.00	28.	111.	33.	50.	0.4
				140587	54.00	57.00	3.00	14.	60.	26.	60.	0.2
57.00	111.00	MUDST	Frozen white clay and grey mudstone with bands of black sandstone. Trench flooded in sections.									
108.00	111.00		Rusty cooked section.	140588	108.00	111.00	3.00	68.	41.	13.	50.	0.1
111.00	135.00	SHALE	Well bedded black/brown shale.									
135.00	138.00	CLAY	Grey/white frozen clay.	140589	135.00	138.00	3.00	126.	46.	10.	40.	0.2

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90P-4

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
138.00	182.00	INT	Altered rusty intrusive. Intense clay alteration, green sericite rich matrix, abundant black biotite. Manganeses oxide staining on fracture surfaces, minor rusty quartz veining, vuggy in spots.	140590	138.00	141.00	3.00	16.	65.	30.	60.	0.1
				140591	141.00	144.00	3.00	17.	64.	51.	70.	0.1
				140592	144.00	147.00	3.00	28.	156.	101.	50.	0.3
				140593	147.00	150.00	3.00	86.	188.	59.	40.	0.5
				140594	150.00	153.00	3.00	19.	156.	62.	60.	0.7
				140595	153.00	156.00	3.00	17.	118.	66.	80.	0.4
				140596	156.00	159.00	3.00	34.	190.	90.	60.	0.4
156.00	181.00		Loss of biotite, increase in phyllic alteration. Increase in rusty quartz veining.	140597	159.00	162.00	3.00	64.	270.	76.	50.	0.2
				140598	162.00	165.00	3.00	70.	1175.	1050.	90.	5.8
				140599	165.00	168.00	3.00	92.	721.	465.	80.	1.6
				140600	168.00	171.00	3.00	107.	675.	518.	110.	1.4
				140601	171.00	174.00	3.00	310.	1120.	1468.	150.	5.3
				140602	174.00	177.00	3.00	260.	1750.	2581.	330.	47.2
				140603	177.00	180.00	3.00	250.	1211.	2494.	570.	13.6
				140604	180.00	183.00	3.00	1530.	5643.	17230.	3800.	139.2
181.00	182.00		Two quartz and stibnite veins (~10cm wide) run in the clay at the intrusive clay contact. Note: Sample #R140609 is a bulk sample of the upper vein. Sample #R140610 is a bulk sample of the lower vein. Both veins ~120 degrees/28 SW.									
182.00	183.00	CLAY	Hard grey clay.									
183.00	194.00	SHALE	Rusty shale over white mudstone.Both units look cooked in spots with manganese oxide staining.	140605	183.00	186.00	3.00	2230.	8853.	14773.	3300.	155.0
				140606	186.00	189.00	3.00	380.	1396.	2503.	130.	1.9
				140607	189.00	192.00	3.00	520.	3588.	10140.	120.	1.5
				140608	192.00	195.00	3.00	350.	2002.	3324.	180.	8.9
194.00	195.00	SHALE	Bedded brown shale.									

MORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90P-4
Grid System : ORIGINAL
Collar Eastings : 17089.710
Collar Northings : 20343.400
Collar Elevations : 835.300
Collar Bearing : 359.98
Grid Baseline : 66.00

Collar Inclination : 0.42
Grid Bearing : 156.00
Final Depth : 195.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON
Core Size :

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES										
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
36.00	39.00	1.5	2				3.5	5-10	2.5														
39.00	42.00	1.5	2				3.5	5-10	2.5														
42.00	45.00	1.5	2				3.5	5-10	2.5														

NORANDA EXPLORATION CO. LTD.

DIAMOND DRILL LOG

PAGE : 1

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90P-5
Grid System : ORIGINAL
Collar Eastings : 16913.110
Collar Northings : 20505.900
Collar Elevations : 825.000
Collar Bearing : 359.81
Grid Baseline : 66.00

Collar Inclination : 1.91
Grid Bearing : 156.00
Final Depth : 309.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON
Core Size :

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
0.00	3.00	MUDST	Soft black mudstone.	140611	0.00	3.00	3.00	16.	82.	18.	70.	0.4
3.00	33.00	INT	Limonitic porphyritic intrusive. High limonite content, rusty weathering rind. Larger blocks show green phyllic alteration of core matrix. Rusty quartz veining; manganese oxide staining on fracture surfaces.	140612	3.00	6.00	3.00	4.	112.	32.	50.	0.3
				140613	6.00	9.00	3.00	9.	61.	28.	60.	0.3
				140614	9.00	12.00	3.00	2.	115.	32.	30.	0.3
				140615	12.00	15.00	3.00	11.	328.	42.	70.	0.4
				140616	15.00	18.00	3.00	520.	1034.	46.	130.	3.4
17.00	18.00		Band of grey/blue clay cuts the trench at 124 degrees.	140617	18.00	21.00	3.00	230.	906.	45.	110.	4.0
				140618	21.00	24.00	3.00	260.	795.	40.	180.	0.3
				140619	24.00	27.00	3.00	280.	1895.	71.	70.	1.0
				140620	27.00	30.00	3.00	270.	2075.	883.	130.	2.3
29.00	30.00		Band of grey/blue clay cuts the trench at 124 degrees.									
30.00	32.50		Fractured brown shale.	140621	30.00	33.00	3.00	47.	506.	54.	90.	0.5
32.50	33.00		Blue clay with small chips of black argillite.									
33.00	79.00	INT	Limonitic intrusive as at 3m.	140622	33.00	36.00	3.00	30.	60.	47.	110.	0.6
34.00	34.50		Blue clay with small chips of black argillite.									
34.50	37.00		Soft, grey/black mudstone.	140623	36.00	39.00	3.00	12.	65.	46.	130.	0.1
				140624	39.00	42.00	3.00	10.	50.	46.	120.	0.1
				140625	42.00	45.00	3.00	39.	194.	34.	80.	0.1
				140626	45.00	48.00	3.00	2.	42.	52.	60.	0.2
48.00	79.00		Decrease in phyllic alteration. Black biotite in the matrix. Decrease in limonite content. Note: at 55-57m; Blue/grey clay band, 124/31 NE Note: at 57m; Intrusive contains no biotite. Alteration is the same as at 3m.	140627	48.00	51.00	3.00	3.	161.	53.	100.	0.9
				140628	51.00	54.00	3.00	5.	28.	55.	40.	0.3
				140629	54.00	57.00	3.00	12.	194.	67.	60.	0.6
				140630	57.00	60.00	3.00	15.	198.	118.	130.	3.3
				140631	60.00	63.00	3.00	10.	69.	147.	150.	0.1
				140632	63.00	66.00	3.00	6.	74.	149.	140.	0.1
				140633	66.00	69.00	3.00	3.	54.	113.	80.	0.1
				140634	69.00	72.00	3.00	2.	85.	83.	100.	0.3
				140635	72.00	75.00	3.00	14.	152.	173.	210.	0.3
				140636	75.00	78.00	3.00	16.	192.	165.	220.	0.3

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90P-5

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				140637	78.00	81.00	3.00	39.	259.	255.	310.	1.9
79.00	88.00	ARG	Fractured black argillite.	140638	81.00	84.00	3.00	8.	147.	118.	200.	2.2
				140639	84.00	87.00	3.00	180.	84.	178.	250.	2.1
				140640	87.00	90.00	3.00	49.	270.	178.	120.	0.7
88.00	89.50	INT	Limonitic porphyritic intrusive. High limonite content (20%); fine quartz stockwork.									
89.50	112.00	MUDST	Red/brown, hard siltstone interbedded with soft grey fissile mudstone.	140641	90.00	93.00	3.00	21.	125.	133.	50.	0.1
				140642	93.00	96.00	3.00	2.	70.	259.	140.	0.1
				140643	96.00	99.00	3.00	7.	31.	189.	80.	0.2
				140644	99.00	102.00	3.00	3.	21.	204.	70.	0.2
				140645	102.00	105.00	3.00	2.	29.	445.	80.	0.2
				140646	105.00	108.00	3.00	520.	226.	125.	60.	0.4
108.00	112.00		Grey/blue clay. Two quartz and stibnite veins run in clay contact (orientation approximately 126/34 SW - note: opposite dip of band at 55m). Note: R140714 is a composite of the material from these veins.	140647	108.00	111.00	3.00	5630.	3853.	29090.	950.	10.1
				140648	111.00	114.00	3.00	180.	1576.	4405.	150.	0.6
112.00	156.00	INT	Altered limonitic intrusive as at 3m.	140649	114.00	117.00	3.00	80.	982.	710.	130.	0.8
				140650	117.00	120.00	3.00	200.	1705.	714.	140.	0.9
				140651	120.00	123.00	3.00	500.	3547.	1126.	240.	10.3
121.00	122.00		Blue/grey clay band 126 degrees/25 SW.	140652	123.00	126.00	3.00	210.	1619.	983.	100.	2.5
				140653	126.00	129.00	3.00	270.	1629.	726.	460.	10.2
				140654	129.00	132.00	3.00	108.	1082.	1132.	140.	1.3
				140655	132.00	135.00	3.00	580.	1400.	31964.	260.	4.3
133.00	134.00		Large quartz and stibnite vein (1 m in width). Massive stibnite with red kermesite and abundant antimony ocher. Note: R140715 is a composite sample from this vein.									
134.00	137.50		Band of grey clay.	140656	135.00	138.00	3.00	470.	1254.	2552.	140.	1.8
137.50	151.00		Phyllic alteration increases.	140657	138.00	141.00	3.00	360.	2315.	1870.	180.	4.3
				140658	141.00	144.00	3.00	510.	1725.	1854.	120.	6.4
				140659	144.00	147.00	3.00	430.	2959.	2398.	230.	2.8
				140660	147.00	150.00	3.00	620.	1657.	1947.	1200.	17.6
				140661	150.00	153.00	3.00	69.	499.	882.	80.	1.6

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90P-5

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
151.00	152.00		Grey clay band.									
152.00	155.00		Rusty siltstone, abundant milky quartz veining.	140662	153.00	156.00	3.00	53.	491.	515.	90.	0.6
155.00	156.00		Blue/grey clay.									
156.00	179.00	ARG	Black graphitic argillite.	140663	156.00	159.00	3.00	35.	160.	532.	140.	2.8
				140664	159.00	162.00	3.00	116.	155.	320.	200.	1.8
				140665	162.00	165.00	3.00	83.	274.	376.	190.	1.7
				140666	165.00	168.00	3.00	136.	601.	802.	250.	1.7
				140667	168.00	171.00	3.00	180.	359.	637.	180.	2.3
				140668	171.00	174.00	3.00	180.	158.	297.	130.	1.9
				140669	174.00	177.00	3.00	45.	193.	318.	100.	1.0
				140670	177.00	180.00	3.00	112.	745.	733.	200.	2.0
179.00	226.00	MUDST	Interbedded grey mudstone, rusty shale and black graphitic argillite. Spotty quartz veining and abundant vuggy, fine quartz stockwork.	140671	180.00	183.00	3.00	108.	1748.	1841.	280.	1.7
				140672	183.00	186.00	3.00	260.	1973.	2447.	640.	2.8
				140673	186.00	189.00	3.00	170.	510.	5931.	280.	4.4
188.00	188.02		Small stibnite and quartz vein (2cm).	140674	189.00	192.00	3.00	114.	739.	1695.	260.	2.9
				140675	192.00	195.00	3.00	990.	1094.	5969.	420.	6.8
193.00	193.03		Quartz vein (3cm).	140676	195.00	198.00	3.00	190.	683.	2759.	320.	1.6
196.00	196.01		Small rusty quartz vein (1cm).	140677	198.00	201.00	3.00	49.	990.	1069.	100.	1.2
				140678	201.00	204.00	3.00	14.	832.	538.	110.	0.2
				140679	204.00	207.00	3.00	33.	425.	540.	170.	0.3
				140680	207.00	210.00	3.00	56.	651.	878.	240.	0.6
				140681	210.00	213.00	3.00	15.	814.	625.	230.	0.4
				140682	213.00	216.00	3.00	15.	344.	175.	220.	0.3
216.00	216.05		Quartz vein.	140683	216.00	219.00	3.00	53.	505.	327.	300.	0.5
				140684	219.00	222.00	3.00	135.	707.	245.	190.	0.9
221.00	222.50		Grey clay band.	140685	222.00	225.00	3.00	61.	1359.	360.	80.	0.6
222.50	225.50		Hard, blocky chert pebble conglomerate, very cooked and rusty, numerous cross cutting white quartz veins.	140686	225.00	228.00	3.00	123.	2257.	591.	330.	5.0
225.50	226.00		Rusty cooked mudstone.									
226.00	240.00	ARG	Black graphitic argillite interbedded with rusty shale. Pods of grey mudstone and grey clay.	140687	228.00	231.00	3.00	270.	3099.	1016.	600.	14.6
				140688	231.00	234.00	3.00	56.	1881.	600.	380.	1.3
				140689	234.00	237.00	3.00	69.	671.	392.	400.	2.3
236.00	236.01		Small rusty quartz vein.	140690	237.00	240.00	3.00	36.	1887.	1604.	260.	1.4
240.00	248.00	MUDST	Rusty soft mudstone.	140691	240.00	243.00	3.00	54.	1849.	563.	270.	0.7

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREMNER CREEK
HOLE No. : BCTR90P-5

INTERVAL(m) FROM	TO	MAJOR/MINOR UNITS	DESCRIPTION	SAMPLE NUMBER	INTERVAL(m) FROM	TO	SAMPLE WIDTH	ASSAYS Au ppb	As ppm	Sb ppm	Hg ppb	Ag ppm
				140692	243.00	246.00	3.00	16.	415.	190.	900.	0.7
				140693	246.00	249.00	3.00	13.	390.	173.	920.	1.0
248.00	271.00	ARG	Black graphitic argillite, minor brown mudstone breccia. Argillite is very cooked in sections. Contains vuggs and fine quartz veining.	140694	249.00	252.00	3.00	11.	356.	80.	500.	1.1
				140695	252.00	255.00	3.00	13.	592.	212.	900.	1.2
				140696	255.00	258.00	3.00	11.	224.	110.	2100.	1.1
				140697	258.00	261.00	3.00	8.	248.	92.	680.	1.4
				140698	261.00	264.00	3.00	15.	189.	109.	1300.	1.4
264.00	264.04		4 cm wide rusty quartz vein.	140699	264.00	267.00	3.00	11.	101.	75.	300.	0.6
267.00	270.00		Pod of chert exposed in east trench wall.	140700	267.00	270.00	3.00	12.	190.	173.	190.	0.9
				140701	270.00	273.00	3.00	9.	134.	71.	280.	0.8
271.00	309.00	MUDST	Soft brown/black mudstone with minor pods of limonite.	140702	273.00	276.00	3.00	15.	399.	229.	320.	0.7
				140703	276.00	279.00	3.00	15.	493.	362.	480.	0.8
				140704	279.00	282.00	3.00	11.	112.	79.	170.	0.4
280.00	283.00		Black graphitic argillite ("cooked").	140705	282.00	285.00	3.00	15.	215.	90.	160.	0.5
283.00	297.00		Mudstone is interbedded with hard black siltstone.	140706	285.00	288.00	3.00	5.	134.	59.	90.	0.7
				140707	288.00	291.00	3.00	12.	166.	87.	80.	0.3
				140708	291.00	294.00	3.00	9.	315.	89.	60.	0.1
				140709	294.00	297.00	3.00	9.	219.	86.	110.	0.3
297.00	300.00		Blocky chert, fine fractured graphitic argillite, numerous quartz veins.	140710	297.00	300.00	3.00	4.	149.	76.	70.	0.3
300.00	309.00		Soft black/grey mudstone. Green and yellow staining on bedding faces; interbedded with black graphitic argillite.	140711	300.00	303.00	3.00	5.	77.	43.	80.	0.3
				140712	303.00	306.00	3.00	3.	59.	37.	150.	0.6
				140713	306.00	309.00	3.00	5.	137.	54.	90.	0.5

NORANDA EXPLORATION CO. LTD.
DIAMOND DRILL LOG

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90P-5
Grid System : ORIGINAL
Collar Eastings : 16913.110
Collar Northings : 20505.900
Collar Elevations : 825.000
Collar Bearing : 359.81
Grid Baseline : 66.00

Collar Inclination : 1.91
Grid Bearing : 156.00
Final Depth : 309.00
Claim No. :

Logged by : GREG GILLSTROM
Date : -
Downhole Survey :
Drilled By : CARON
Core Size :

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %
0.00	3.00									
3.00	6.00	1.5	1.5				2.5-3	5-10	1.5-2	
6.00	9.00									
9.00	12.00									
12.00	15.00									
15.00	18.00									
18.00	21.00									
21.00	24.00									
24.00	27.00									
27.00	30.00									
30.00	33.00									
33.00	36.00	1.5	1.5				2.5-3	5-10	1.5-2	
36.00	39.00	1.5	1.5				2.5-3	5-10	1.5-2	
39.00	42.00									
42.00	45.00									
45.00	48.00	1	1.5		1			1-3	1	
48.00	51.00									
51.00	54.00									
54.00	57.00									
57.00	60.00	1.5	1.50				2.5-3	5-10	1.5-2	
60.00	63.00									
63.00	66.00									
66.00	69.00									
69.00	72.00									
72.00	75.00									
75.00	78.00									
78.00	81.00									
81.00	84.00									
84.00	87.00									

FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	QuartzClrCode %

PROPERTY : BREWERY CREEK
HOLE No. : BCTB90P-5

FROM	TO	GEOCHEMICAL SAMPLES Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	GEOTECHNICAL SAMPLES Recovery %	Lim %	Breakage	Sz %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
87.00	90.00	1.5	2				1.5	15-25	3														
90.00	93.00																						
93.00	96.00																						
96.00	99.00																						
99.00	102.00																						
102.00	105.00																						
105.00	108.00																						
108.00	111.00																						
111.00	114.00	1.5	1.5				2.5-3	5-10	1.5-2														
114.00	117.00																						
117.00	120.00																						
120.00	123.00																						
123.00	126.00																						
126.00	129.00																						
129.00	132.00																						
132.00	135.00																						
135.00	138.00																						
138.00	141.00																						
141.00	144.00																						
144.00	147.00																						
147.00	150.00																						
150.00	153.00																						
153.00	156.00																						
156.00	159.00																						
159.00	162.00																						
162.00	165.00																						

PROPERTY : BREMERY CREEK
HOLE No. : BCTR90P-5

GEOCHEMICAL SAMPLES												GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %		FROM	TO	Recovery %	Lim %	Breakage	Sx %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
165.00	168.00																							
168.00	171.00																							
171.00	174.00																							
174.00	177.00																							
177.00	180.00																							
180.00	183.00																							
183.00	186.00																							
186.00	189.00																							
189.00	192.00																							
192.00	195.00																							
195.00	198.00																							
198.00	201.00																							
201.00	204.00																							
204.00	207.00																							
207.00	210.00																							
210.00	213.00																							
213.00	216.00																							
216.00	219.00																							
219.00	222.00																							
222.00	225.00																							
225.00	228.00																							
228.00	231.00																							
231.00	234.00																							
234.00	237.00																							
237.00	240.00																							
240.00	243.00																							
243.00	246.00																							
246.00	249.00																							
249.00	252.00																							
252.00	255.00																							
255.00	258.00																							
258.00	261.00																							
261.00	264.00																							
264.00	267.00																							
267.00	270.00																							
270.00	273.00																							
273.00	276.00																							

PROPERTY : BREWERY CREEK
HOLE No. : BCTR90P-5

GEOCHEMICAL SAMPLES											GEOTECHNICAL SAMPLES											
FROM	TO	Arg	Sil	Serc	Pot	Carb	Phyll	Lim %	Qtz Stock	Sulfide %	FROM	TO	Reco-very %	Lim %	Break-age	Si %	Veins %	Bdg	Struc	Color	Sulph %	Quartz %	ClrCode
276.00	279.00																						
279.00	282.00																						
282.00	285.00																						
285.00	288.00																						
288.00	291.00																						
291.00	294.00																						
294.00	297.00																						
297.00	300.00																						
300.00	303.00																						
303.00	306.00																						
306.00	309.00																						