ARCHER, CATHRO
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093718

ASSESSMENT REPORT

describing

GEOLOGICAL MAPPING, PROSPECTING, SOIL GEOCHEMISTRY, GEOPHYSICAL SURVEYS AND DIAMOND DRILLING

on the

ICE PROPERTY

Latitude 61°53' N; Longitude 131°21' W

NTS 105G/13 and 14

in the

WATSON LAKE MINING DISTRICT

YUKON TERRITORY

RECEIVED
JUN 23 1997
MINING RECORDER
WATSON LAKE, Y.T.
I.N.A.C.

Prepared by

Archer, Cathro & Associates (1981) Limited

for

EXPATRIATE RESOURCES LTD.

W.D. Eaton, B.A., B.Sc.

L.C. Pigage, Ph.D., P.Geo.

May, 1997

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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 $ 248,167.07 .

M. Burke

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

093718

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INTRODUCTION

The Ice property consists of 1081 mineral claims owned 100% by Expatriate Resources Ltd. The first 16 claims were staked in early 1996 to cover a previously unstaked copper soil geochemical anomaly selected from a data base documenting 1973 exploration by a joint venture managed by Archer, Cathro & Associates Limited. The exploration target for the 1996 work was volcanogenic massive sulphide (VMS) mineralization.

A company geologist discovered secondary copper mineralization in late May close to the reported location of the 1973 soil sample. Immediately following the discovery the property was increased to 48 claims. The remainder of the claims were staked later in the summer after favourable drill results were obtained.

Field work described in this report was conducted at various times during summer and fall 1996 and in spring 1997. Initially crews worked from a base camp on Finlayson Lake with daily helicopter support. In September a 20 person tent-frame camp was built adjacent to the drill area and all operations were transferred to that camp. Exploration in 1996 included geological mapping, prospecting, linecutting, soil geochemistry, ground geophysical surveys, airborne geophysical surveys and 2,703.88 m of diamond drilling in 34 holes. The camp was closed for the winter on October 30 and two drills were left on site. With the exception of the airborne geophysical surveys all of the 1996 work was done in a 5 km area approximately centred on the discovery showing.

In early March 1997 a Caterpillar D6 bulldozer was mobilized to the property. It will be used to move the drills, build drill sites and construct roads on the property.

All work was managed by Archer, Cathro & Associates (1981) Limited. D. Eaton supervised the project. L. Pigage supervised the geological mapping and the early phase of the drilling. Appendix I contains the Authors' Statements of Qualifications.

The ground geophysical surveys were conducted by Amerok Geosciences Ltd. The surveys consisted of total magnetic field and HLEM (Maxmin) and are described in a report by C.C. Lee and M.A. Power, the appropriate portion of which appears in Appendix II. The airborne geophysics were contracted to Dighem which used a helicopter to fly an electromagnetic/resistivity/magnetic/VLF survey. This work is the subject of a separate report titled "Dighem^{V} Survey for Expatriate Resources Ltd., Finlayson Lake Area, Yukon" Results of the geophysical surveys are briefly described in the Property Geophysics section of this report.

PROPERTY, LOCATION AND ACCESS

The Ice property is located in southeastern Yukon at latitude 61°53'N and longitude 131°21'W on NTS map sheets 105G/13 and 14 (Figures 1 and 2). It consists of 1081 contiguous mineral claims covering approximately 22,500 hectares (Figures 3 and 4). The claims are registered with the Watson Lake Mining Recorder in the name of Archer, Cathro & Associates (1981) Limited which holds them in trust for Expatriate Resources Ltd. Claim registration data is listed below.

Claims Name	Grant Number	Expiry Date
Ice 1-16	YB78632-YB78647	March 6, 2002*
17-48	YB84405-YB84436	March 6, 2002*
49-165	YB84880-YB84996	July 3, 1997
166FR	YB84997	July 3, 1997
167	YB84998	July 3, 1997
168FR	YB84999	July 3, 1997
169	YB85000	July 3, 1997
170FR	YB85001	July 3, 1997
171	YB85002	July 3, 1997
172FR	YB85003	July 3, 1997
173	YB85004	July 3, 1997
174FR	YB85005	July 3, 1997
175	YB85006	July 3, 1997
176FR	YB85007	July 3, 1997
177	YB85008	July 3, 1997
178FR	YB85009	July 3, 1997
179	YB85010	July 3, 1997
180FR	YB85011	July 3, 1997
181-212	YB85012-YB85043	July 3, 1997
213FR	YB85044	July 3, 1997
214-334	YB85045-YB85165	July 3, 1997
335-362	YB86186-YB86213	August 2, 1997
363-374	YB86878-YB86889	August 15, 1997
375-606	YB86214-YB86445	August 2, 1997
607-656	YB86890-YB86939	August 15, 1997

*These expiry dates include work filed for assessment credit but not yet accepted. Work performed on all other claims has not yet been filed.

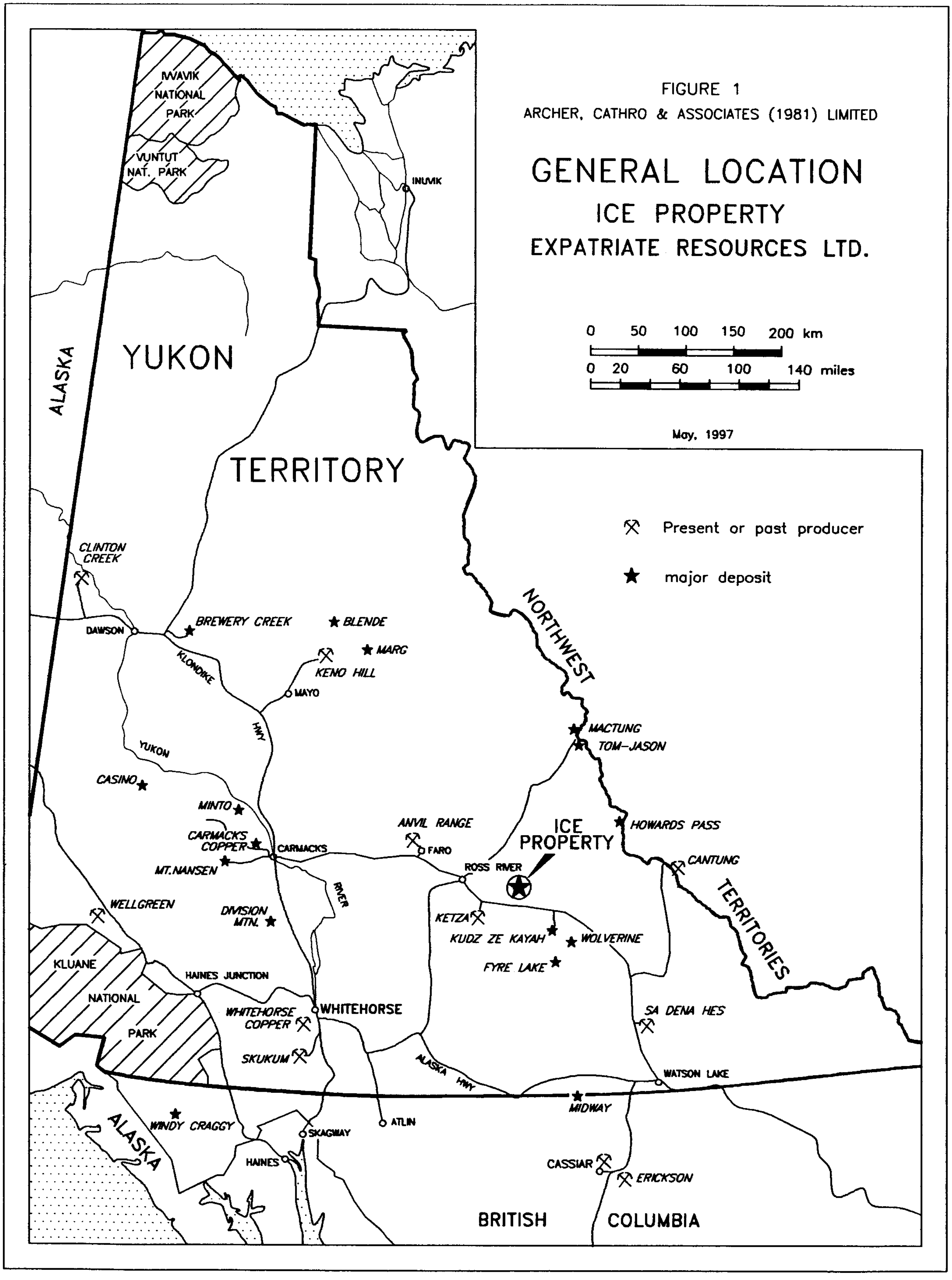


FIGURE 1
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
GENERAL LOCATION
ICE PROPERTY
EXPATRIATE RESOURCES LTD.
0 50 100 150 200 km
0 20 60 100 140 miles
May, 1997
Present or past producer
major deposit
YUKON
TERRITORY
ALASKA
NORTHWEST
TERRITORIES
BRITISH
COLUMBIA
IVVAVIK NATIONAL PARK
VUNTUT NAT. PARK
INUVIK
CLINTON CREEK
DAWSON
BREWERY CREEK
BLENDE
MARG
KENO HILL
MAYO
KLONDIKE
HWY
YUKON
CASINO
MINTO
CARMACKS COPPER
CARMACKS
MT. NANSEN
WELLGREEN
DIVISION MTN.
RIVER
ANVIL RANGE
FARO
ROSS RIVER
ICE PROPERTY
MACTUNG
TOM-JASON
HOWARDS PASS
CANTUNG
KETZA
KUDZ ZE KAYAH
WOLVERINE
FYRE LAKE
KLUANE NATIONAL PARK
HAINES JUNCTION
WHITEHORSE
WHITEHORSE COPPER
SKUKUM
ALASKA HWY
SA DENA HES
WATSON LAKE
MIDWAY
WINDY CRAGGY
SKAGWAY
ATLIN
HAINES
CASSIAR
ERICKSON

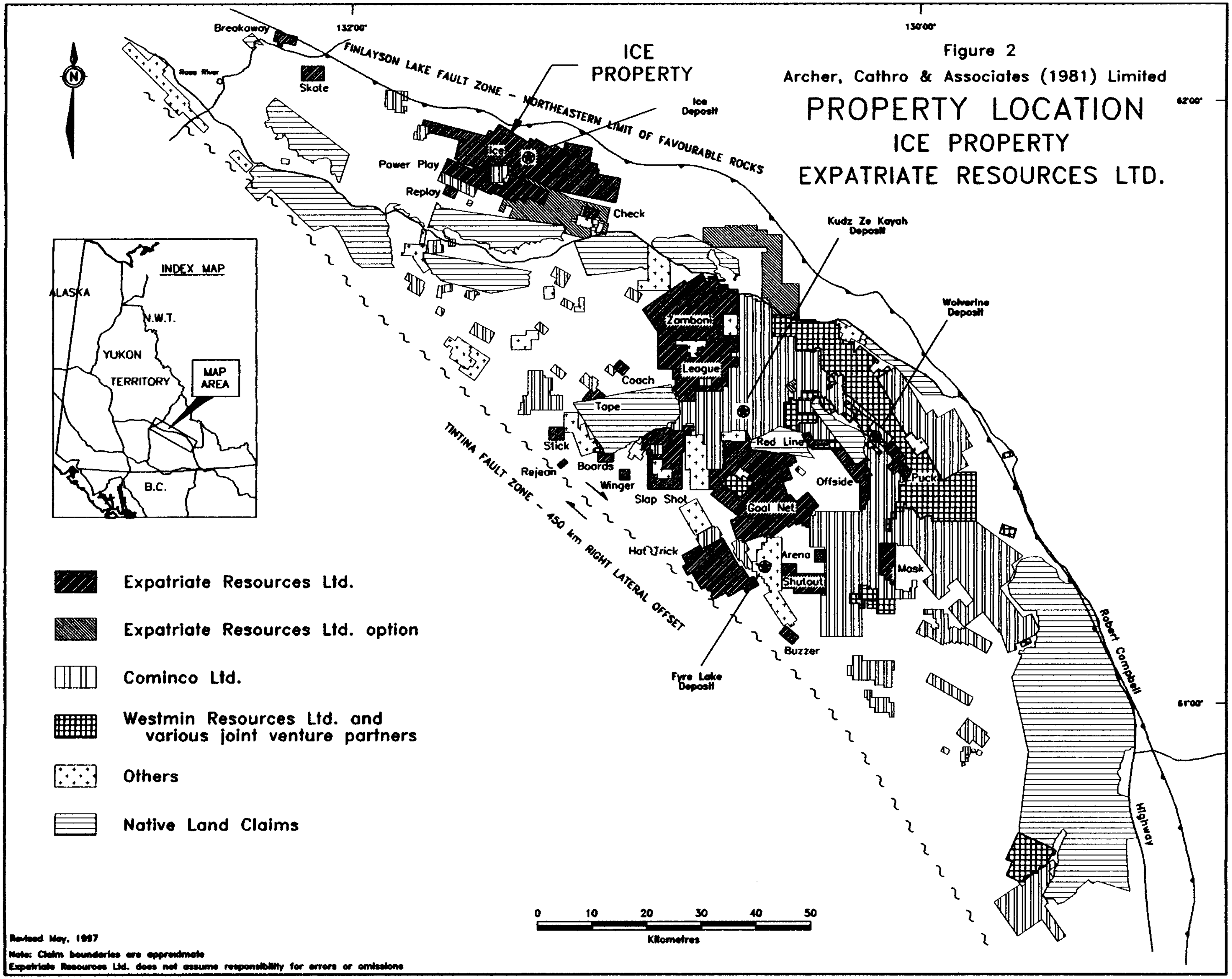
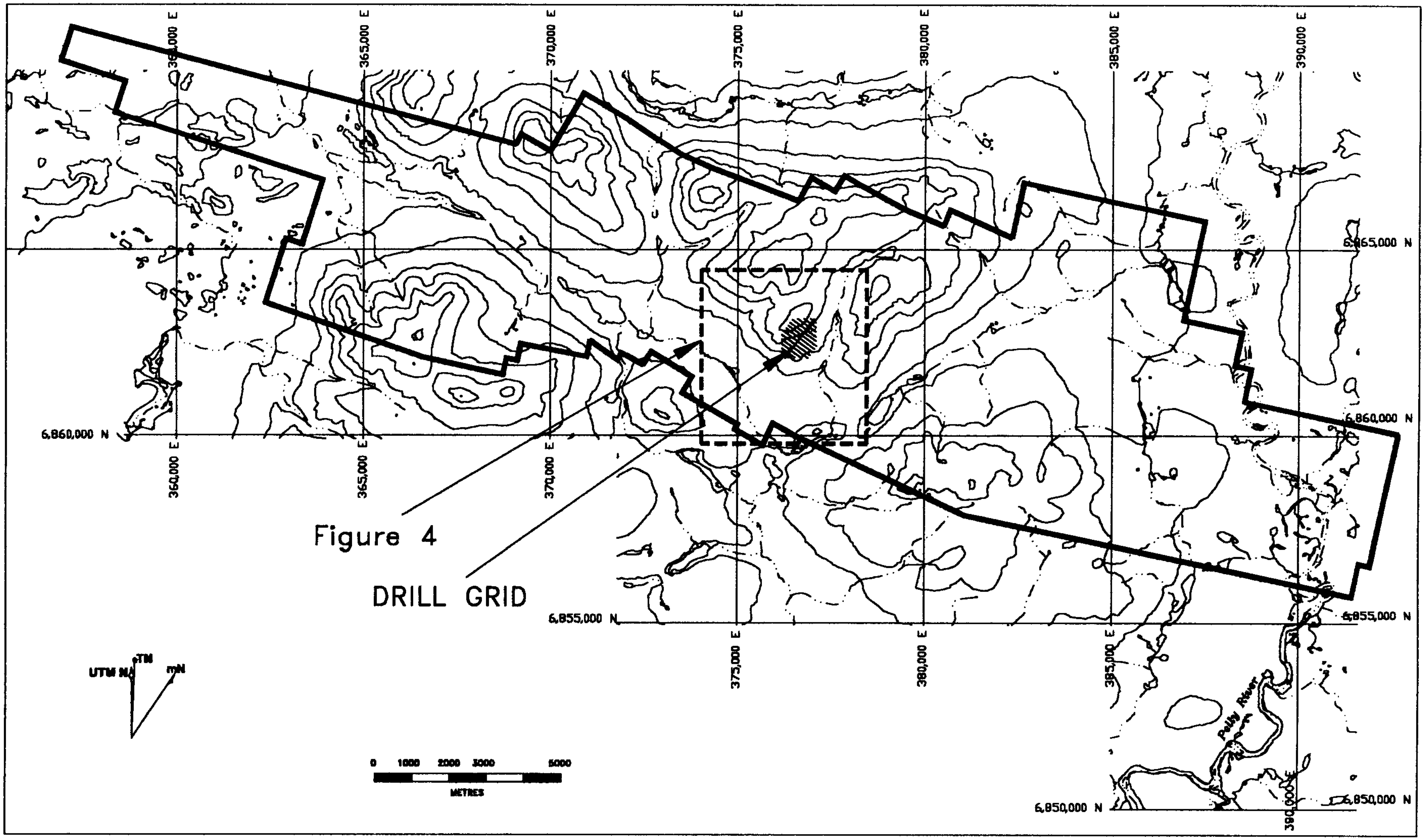


Figure 2
Archer, Cathro & Associates (1981) Limited
PROPERTY LOCATION
ICE PROPERTY
EXPATRIATE RESOURCES LTD.
ICE PROPERTY
Ice Deposit
FINLAYSON LAKE FAULT ZONE - NORTHEASTERN LIMIT OF FAVOURABLE ROCKS
TINTINA FAULT ZONE - 450 km RIGHT LATERAL OFFSET
Kudz Ze Kayah Deposit
Wolverine Deposit
Fyre Lake Deposit
Robert Campbell Highway
132°00'
130°00'
62°00'
61°00'
Breakaway
Ross River
Skate
Ice
Power Play
Replay
Check
Zamboni
League
Coach
Tape
Stick
Boards
Rejean
Winger
Slap Shot
Red Line
Offside
Puck
Goal Net
Hat Trick
Arena
Shutout
Mask
Buzzer
INDEX MAP
ALASKA
N.W.T.
YUKON
TERRITORY
MAP AREA
B.C.
Expatriate Resources Ltd.
Expatriate Resources Ltd. option
Cominco Ltd.
Westmin Resources Ltd. and various joint venture partners
Others
Native Land Claims
0 10 20 30 40 50
Kilometres
Revised May, 1997
Note: Claim boundaries are approximate
Expatriate Resources Ltd. does not assume responsibility for errors or omissions



Claim margin

Figure 3

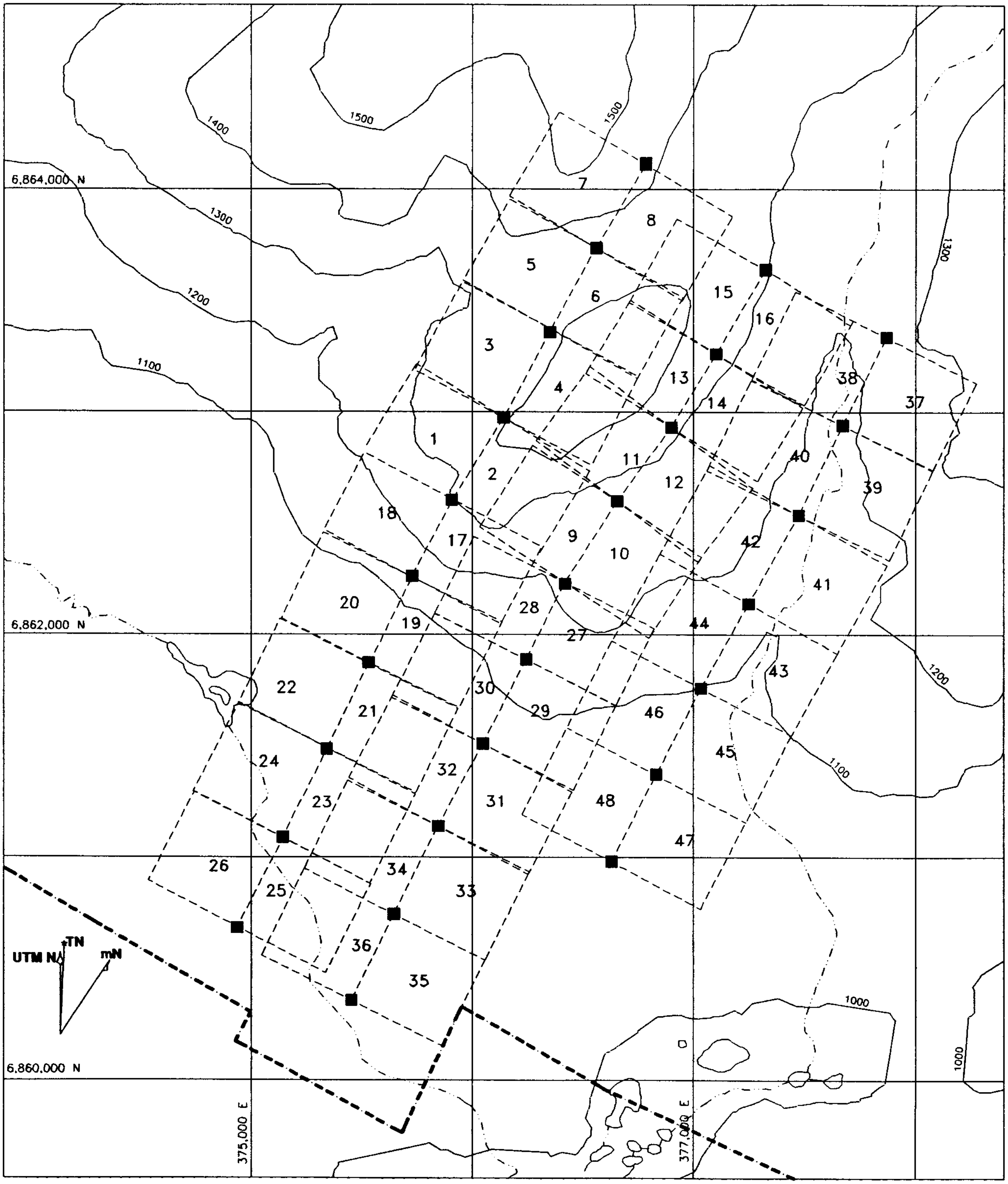
Archer, Cathro & Associates (1981) Limited

CLAIM LOCATION

ICE PROPERTY

EXPATRIATE RESOURCES LTD.

FILE: ICCLAIM.DWG		
DRAWN: LCP	PROJ: FP	DATE: 21/05/1997



■ Claim post

---- Claim line

-·-·- Claim line margin

0 125 250 500 750 1000 m

FIGURE 4

Archer, Cathro & Associates (1981) Limited

LOCATION ICE 1-48 CLAIMS

ICE PROPERTY

EXPATRIATE RESOURCES LTD.

FILE: IC-CLI.DWG

DRAWN: TCB | PROJ: FP | DATE: May 17/97

Claims Name	Grant Number	Expiry Date*
Ice 657-714	YB86446-YB86503	August 2, 1997
715-758	YB86940-YB86983	August 15, 1997
759-766	YB86504-YB86511	August 2, 1997
767-776	YB86984-YB86993	August 15, 1997
777-790	YB86512-YB86525	August 2, 1997
791-802	YB86994-YB87005	August 15, 1997
803-909	YB86526-YB86632	August 2, 1997
910FR	YB86633	August 2, 1997
911	YB86634	August 2, 1997
912FR	YB86635	August 2, 1997
913	YB86636	August 2, 1997
914FR	YB86637	August 2, 1997
915-924	YB87006-YB87015	August 15, 1997
925FR	YB87016	August 15, 1997
926	YB87017	August 15, 1997
927FR	YB87018	August 15, 1997
928-954	YB87019-YB87045	August 15, 1997
955FR	YB87046	August 15, 1997
956	YB87047	August 15, 1997
957FR	YB87048	August 15, 1997
958-1041	YB87049-YB87132	August 15, 1997
1042-1071FR	YB87133-YB87162	August 15, 1997
1072-1079 FR	YB86638-YB86645	August 2, 1997
1080-1081FR	YB87693-YB87694	October 23, 1997

From June to September 1996 access was from Expatriate's base camp at Finlayson Lake some 50 km southeast of the property. After the Ice camp was built, logistics were done from a staging area at the abandoned Mink Creek Airstrip, located 18 km south of the camp at Km 279 on the Robert Campbell Highway. Helicopter support was provided by an Aerospatiale 350B and Bell 206B which were on contract from Kluane Helicopters.

In spring 1997 Expatriate arranged for the Mink Creek Airstrip to be cleaned and graded (Land Use Permit YA7X311). It is now available for use by short take-off and landing aircraft.

Executive-type aircraft can use the government maintained IFR airstrip at Ross River, 60 km to the west, while float-equipped planes can operate out of Gonzo Lake, 4 km west of the Ice camp, with some weight restrictions.

In March 1997 a Caterpillar D6 bulldozer owned by E. Caron Diamond Drilling Ltd. was mobilized to the property (Land Use Permit YA6F268). The access route extended 25 km from the Robert Campbell Highway to the camp. It followed pre-existing bulldozer trails for the first 19 km.

The Ice camp lies 238 km northeast of Whitehorse, the regional transportation hub and main source of exploration supplies. Assuming a road was constructed along the bulldozer access trail, the camp would be 564 km by road from the year-round deepsea port at Skagway, Alaska. Anvil Range Mining Corporation is currently using 65 tonne trucks to transport its concentrate to Skagway. The concentrate storage and loading facility at Skagway is independently owned and is currently under-utilized.

GEOMORPHOLOGY, VEGETATION AND CLIMATE

The Ice property is situated in the Yukon Plateau some 30 km northeast of the Tintina Trench. The central part of the property straddles a series of low ridges while the eastern and western extremities cover broad swampy lowlands. Creeks in the western part of the property flow northerly into the Ross River but those in the remainder of the claim block are tributaries of the Pelly River which crosses the eastern end of the claims before turning to the west and paralleling the southern property boundary. Local elevations range from 820 m on the banks of the Pelly River to 1585 m.

The entire property was covered by a continental ice sheet during Pleistocene time. The general direction of ice movement was from east to west but pre-existing topographic relief locally controlled flow directions. Till cover is patchy to absent at higher elevations but almost completely blankets the broad flat valleys.

Treeline is at approximately 1400 m. Vegetation in the main valley consists of mature stands of spruce and poplar/aspen where drainage is good or grassy meadows with broad fringes of dense buckbrush and stunted black spruce in swampy areas. Southerly-facing slopes are well treed with spruce and poplar to about 1350 m giving way to buckbrush, slide alder and scattered trees then grass and lichen above 1400 m. Vegetation transitions occur about 150 m lower on northerly-facing slopes.

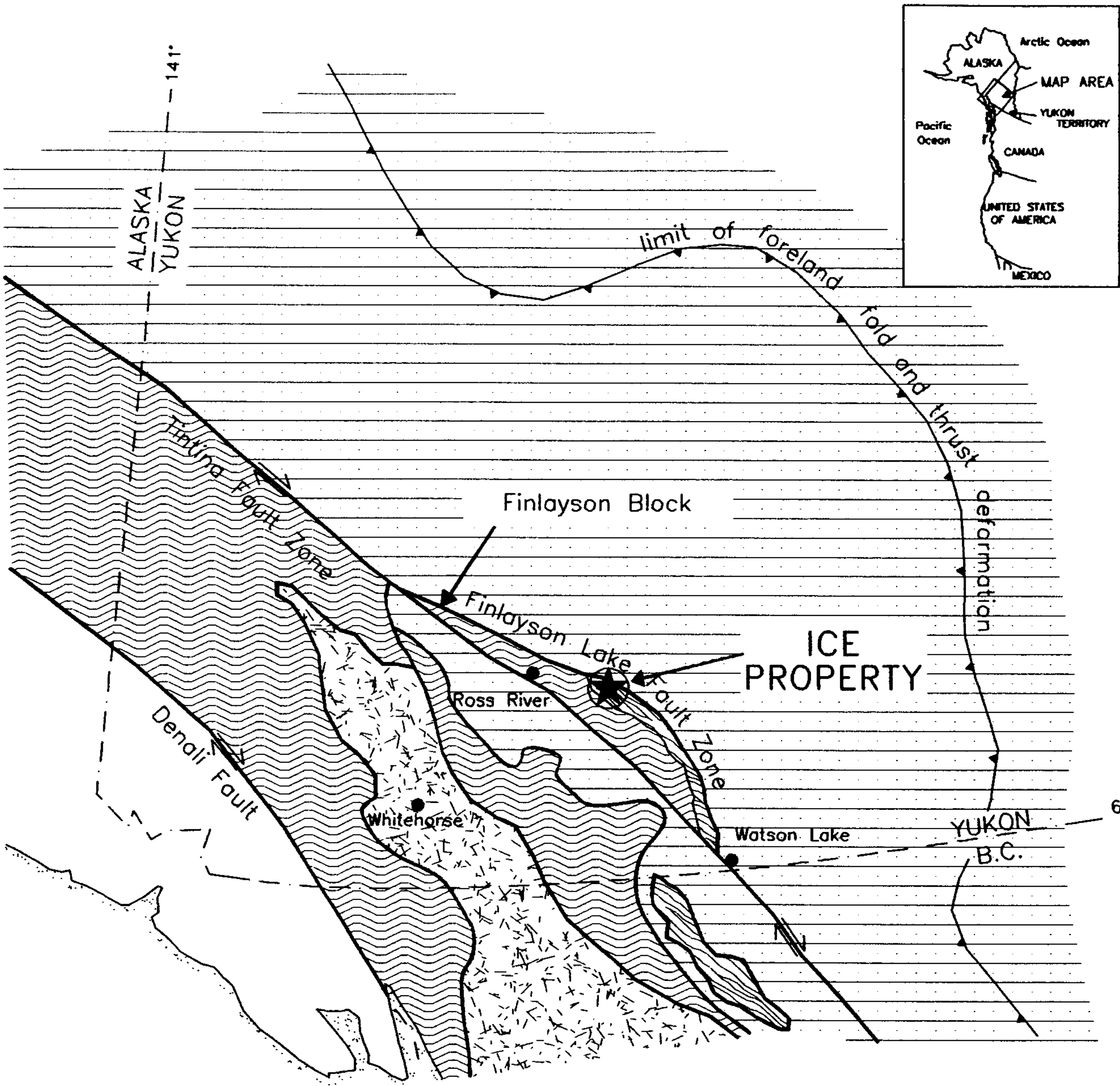
Climate in the Ice area is categorized as continental and is characterized by relatively long cold winters with warm dry summers. Annual precipitation averages about 450 mm and occurs mostly as rain in summer. Snow cover rarely exceeds 60 cm. Permafrost is common in the area but is not pervasive. The local streams usually breakup in late May and freeze over in early November.

REGIONAL GEOLOGY

The Ice property is located within the Finlayson Block, a 380 by 60 km area comprised of Yukon-Tanana and Slide Mountain Terranes (Figure 5). These terranes represent the innermost of the accreted or "suspect" terranes in the Canadian Cordillera (Mortensen and Jilson, 1985). The northeastern margin of the block is the Finlayson Fault Zone, a zone of steep and shallow faults related to transpressive suturing between the accreted terranes and ancestral North America probably during Jurassic time (Plint and Gordon, 1997). The southwestern boundary of the block is the Tintina Fault Zone, a major strike-slip fault with at least 450 km of dextral displacement during Late Cretaceous and/or Early Tertiary time (Tempelman-Kluit et al, 1976).

Regional mapping of the Finlayson Block was completed by the Geological Survey of Canada (GSC) in the mid to late 1970's (Tempelman-Kluit, 1977, 1979). More recent regional studies have been published by Mortensen and Jilson (1985), Mortensen (1992) and Plint and Gordon (1997). Generalized regional geology is illustrated on Figure 6.

The Slide Mountain Terrane, which hosts the Ice Deposit, is comprised of disrupted oceanic crust and deep water sedimentary rocks. It includes variably strained, sub-greenschist to greenschist facies basaltic greenstone, ultramafic and mafic plutonic rocks, ribbon chert, argillite and minor marble. Mapping in various parts of the Canadian Cordillera has subdivided the Slide Mountain Terrane into a structurally lower metasedimentary package and an overlying igneous suite composed of metavolcanic and plutonic rocks. In the Finlayson Block units belonging to the igneous suite are thrust northeasterly over the metasedimentary package and southwesterly over rocks of the Yukon-Tanana Terrane. A radiolarian from an argillaceous metachert belonging to the metsedimentary package was determined to have a Mississippian-Permian age (Plint and Gordon, 1997).



Fault

Yukon–Tanana Terrane

Slide Mountain Terrane

Stikinia and other Terranes

North American Miogeoclinal Strata

Figure 5

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TECTONIC SETTING

ICE PROPERTY

EXPATRIATE RESOURCES LTD.

0 100 200 300 400

KILOMETRES

Modified after Mortensen and Jilson (1985), Mortensen (1992) and Johnston and Mortensen (1994).

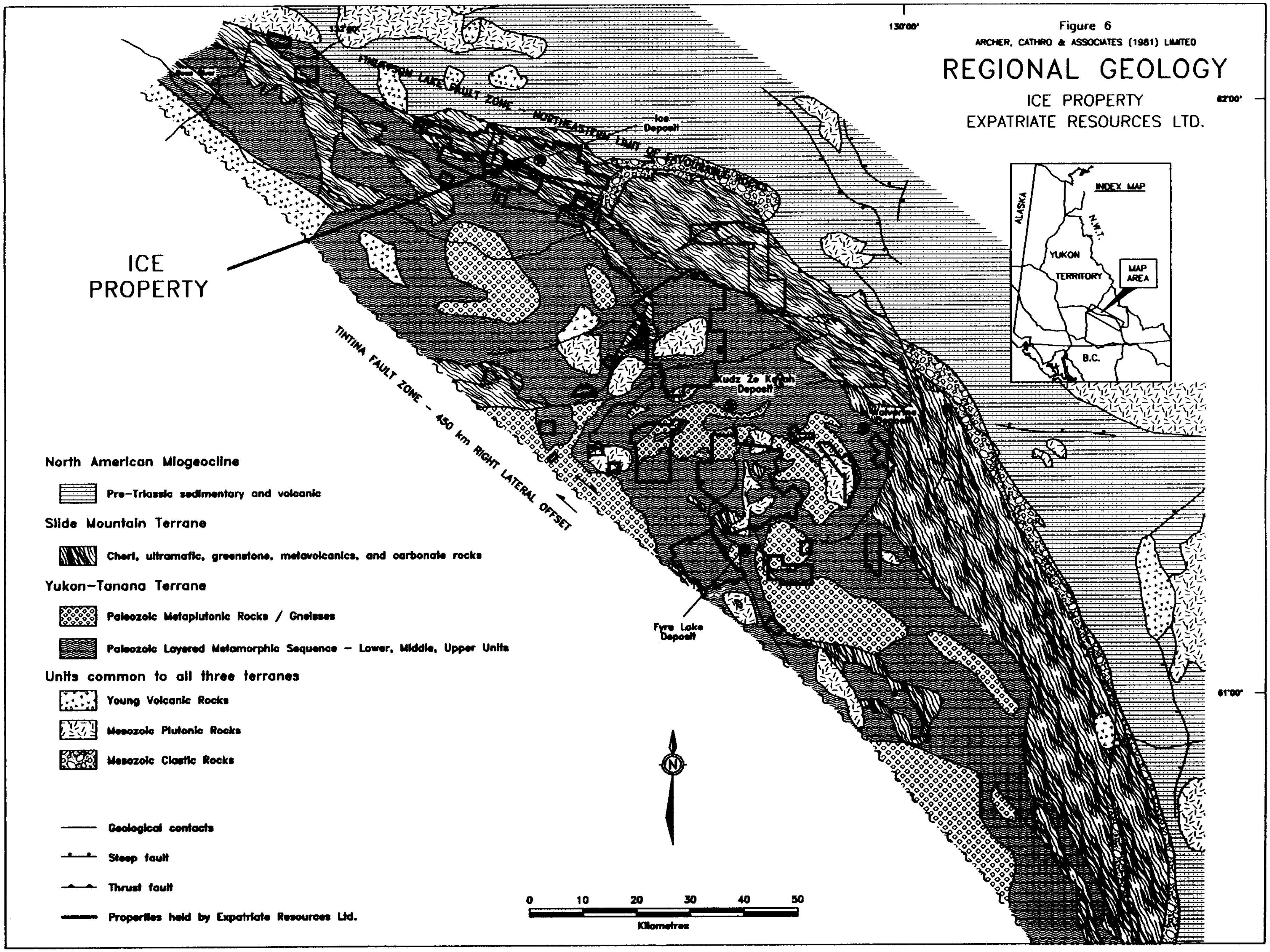


Figure 6
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
REGIONAL GEOLOGY
ICE PROPERTY
EXPATRIATE RESOURCES LTD.
INDEX MAP
ALASKA
N.W.T.
YUKON
TERRITORY
MAP AREA
B.C.
130°00'
62°00'
61°00'
ICE PROPERTY
Ice Deposit
FINLAYSON LAKE FAULT ZONE - NORTHEASTERN LIMIT OF FAVOURABLE ROCKS
TINTINA FAULT ZONE - 450 km RIGHT LATERAL OFFSET
Kudz Ze Kayah Deposit
Wolverine Deposit
Fyre Lake Deposit
North American Miogeocline
Pre-Triassic sedimentary and volcanic
Slide Mountain Terrane
Chert, ultramafic, greenstone, metavolcanics, and carbonate rocks
Yukon-Tanana Terrane
Paleozoic Metaplutonic Rocks / Gneisses
Paleozoic Layered Metamorphic Sequence - Lower, Middle, Upper Units
Units common to all three terranes
Young Volcanic Rocks
Mesozoic Plutonic Rocks
Mesozoic Clastic Rocks
Geological contacts
Steep fault
Thrust fault
Properties held by Expatriate Resources Ltd.
N
0 10 20 30 40 50
Kilometres

The Yukon-Tanana Terrane is comprised largely of Paleozoic continental margin and/or arc stratigraphy deposited on a continental basement of uncertain origin (Mortensen, 1992). The Yukon-Tanana Terrane in the Finlayson Block contains three major units, collectively referred to as the Layered Metamorphic Sequence. The lower unit consists of garnet-mica schist with interbanded marble, calc-silicate and calcareous schist near the top. The middle unit is comprised of carbonaceous quartzite, schist or phyllite with rare conglomerate and locally extensive felsic and mafic volcanic interbands. The upper unit contains marble and quartzite. Radiometric dating of felsic metavolcanics in the middle unit has consistently resulted in Late Devonian to Mississippian crystallization ages (Mortensen, 1992). The upper unit is dated with fossils as Early Pennsylvanian to Early Permian (Tempelman-Kluit, 1979).

Although the two terranes were not accreted to North America until Jurassic time, cobbles from both units are present in Late Triassic immature sediments unconformably overlying Slide Mountain and North American stratigraphy.

Intrusive activity within the Finlayson Block includes: relatively undeformed Devonian to Permian mafic dykes and plugs within the Slide Mountain Terrane; and, sheet-like Devonian to Mississippian intermediate to felsic gneiss and foliated granitic rocks, relatively unfoliated Early Jurassic mafic to intermediate plutons, and unfoliated Late Cretaceous two-mica granite stocks and dykes, all of which are found within the Yukon-Tanana Terrane. Isolated patches of Late Cretaceous to Tertiary felsic volcanic flows and pyroclastic rocks cap both the Slide Mountain and Yukon-Tanana Terranes.

REGIONAL MINERALIZATION

The recent discovery of the Kudz Ze Kayah and Wolverine Deposits within the Finlayson Block has attracted VMS exploration activity to the area. Both are Kuroko-type deposits associated with felsic metavolcanic rocks occurring within the middle unit of the Yukon-Tanana Terrane. The Yukon Minfile (DIAND, 1995) describes twenty-one known or suspected VMS occurrences in Yukon-Tanana rocks within the Finlayson Block. Although most of the occurrences are thought to be of the Kuroko-type, the Fyre Lake Deposit and a few others are most likely Besshi-type (Morin, 1981; Johnston and Mortensen, 1994). Until Cyprus-type mineralization was discovered at the Ice Deposit, only one minor VMS occurrence had been reported in the Slide Mountain Terrane. Kudz Ze Kayah, Wolverine and Fyre Lake Deposits are briefly described in the following paragraphs so that their geological settings can be compared to the Ice Deposit.

The Kudz Ze Kayah (ABM) Deposit lies near the centre of the Finlayson Block (Cominco Exploration, 1995; Whiteway, 1995). It is hosted by an overturned assemblage of felsic pyroclastic, aphanitic massive rhyolite and metasiliciclastic rocks belonging to the middle unit of the Layered Metamorphic Sequence. Although both the sulphides and wallrocks are highly strained and exhibit pervasive schistosity, compositional layering in the immediate vicinity of the deposit is relatively undeformed with a consistent, shallow northerly dip. Sphalerite, chalcopyrite and galena are the main economic minerals while the gangue includes various mixtures of magnetite, barite, pyrrhotite, pyrite and carbonate. The deposit averages about 18 m thick and has been traced 700 m along strike and up to 400 m downdip. Open pit mineable ore reserves are reported to be 11 million tonnes grading 5.9% zinc, 0.9% copper, 1.5% lead, 130 g/t silver and 1.3 g/t gold (Schultze, 1996). Preliminary studies suggest that satisfactory lead, zinc and copper concentrates can be produced using conventional flotation processes (Cominco Exploration, 1995). The mineralization responds well to magnetic and electromagnetic surveys but geochemical response is erratic because the entire deposit is covered by 2 to 10 m of glacial till.

The Wolverine Deposit is located 25 km east of the Kudz Ze Kayah property near a contact between Yukon-Tanana and overlying Slide Mountain rocks. It consists of the Wolverine and Lynx Zones which are hosted by rhyolitic metavolcanics and argillite lying within the middle unit of the Layered Metamorphic Sequence. The mineralization consists primarily of semi-massive to massive pyrite and sphalerite with varying amounts of galena, chalcopyrite, tetrahedrite and native gold. The surface expression of the Wolverine Zone is marked by a vegetation kill zone containing weakly malachite-stained argillite while the Lynx Zone is blanketed by glacial till. The deposit has been traced 700 m along strike and up to 450 m downdip, and it is still open. The mineralization averages 6.1 m thick and dips shallowly to the north. Both zones contain significantly more zinc and precious metals than Kudz Ze Kayah. The current geological inventory is reported to be 5,311,000 tonnes grading 12.96% zinc, 1.41% copper, 1.53% lead, 359.1 g/t silver and 1.81 g/t gold (Westmin/Atna News Release, November 30, 1996). Soil geochemistry outlined weakly to moderately anomalous values along the projected surface trace of the deposit while magnetic surveys easily traced a laterally extensive, banded iron formation which occurs about 80 m up-section from the massive sulphide horizon. Interpretation of electromagnetic results is complicated by the presence of graphite within the argillite.

The Fyre Lake Deposit is located near the Tintina Fault Zone in the southwestern part of the Finlayson Block. It is a Besshi-type VMS deposit hosted by chlorite±actinolite±quartz schist assigned to the middle unit of the Layered Metamorphic Sequence. The host stratigraphy is structurally overlain by phyllitic metasediments with a basal unit of quartz-chlorite-mica schist (Roberts, 1997). Drilling in 1996 traced a 70 to 80 m thick section containing three horizons comprised of massive to semi-massive pyrite, chalcopyrite and magnetite over a length of 1000 m and width of 100 m. Intersections on the Lower Horizon averaged 1.2% copper, 0.12% cobalt and 0.77 g/t gold across 7 m while those on the Upper Horizon averaged 1.9% copper, 0.12% cobalt and 0.53 g/t gold across 13 m (Columbia Gold News Release, December 2, 1996). The Middle Horizon is discontinuous and no averages have been reported for it.

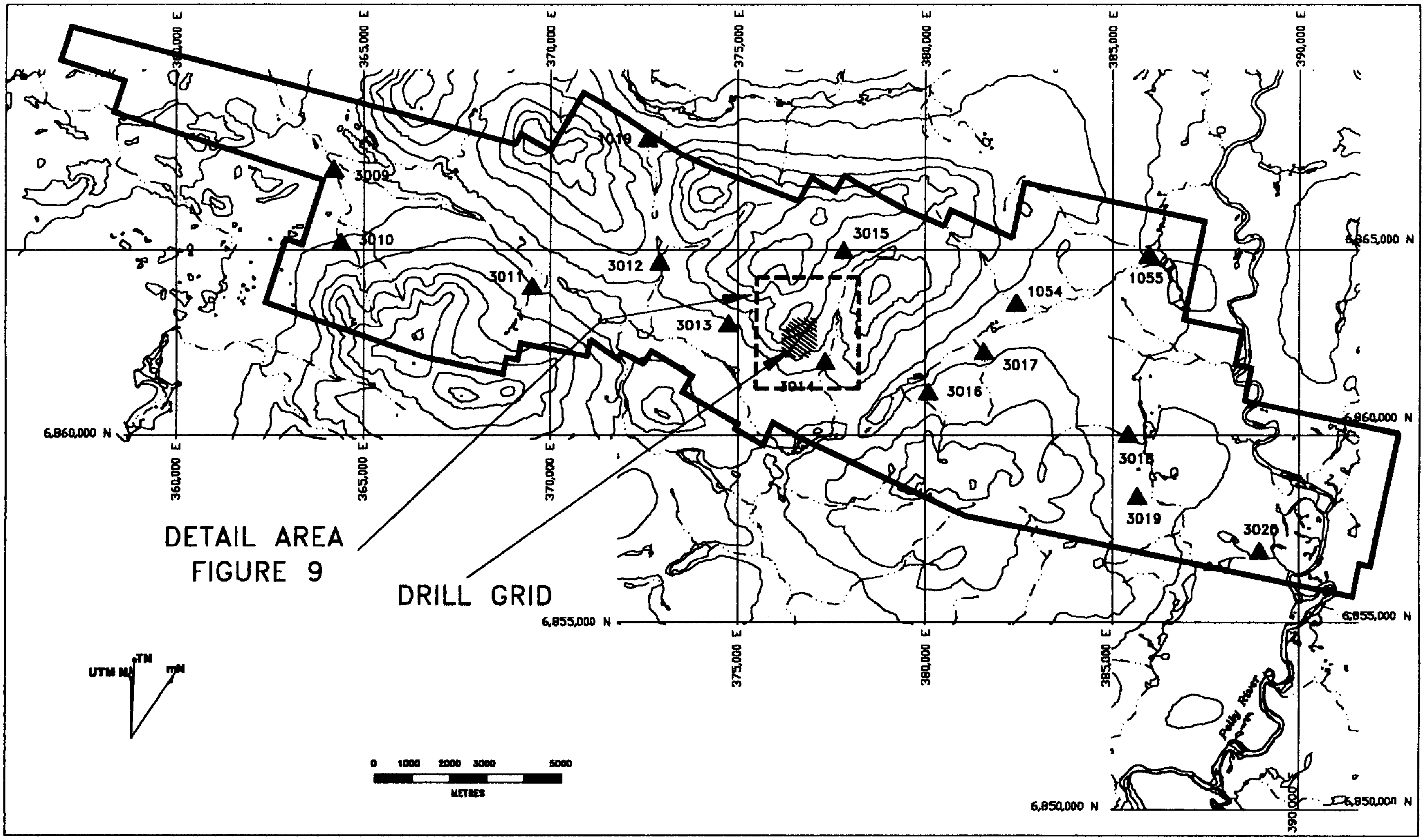
REGIONAL GEOCHEMISTRY AND GEOPHYSICS

Expatriate's interest in the Slide Mountain Terrane rocks hosting the Ice Deposit resulted from a re-evaluation of soil geochemical and stream sediment data produced by a 1973 regional exploration program managed by Archer Cathro (Cathro, 1973). The program collected about 5000 samples from the Finlayson Block at a density of approximately one sample per square kilometre. All samples were analyzed for lead, zinc, copper and molybdenum.

The Ice property lies along the extreme northern edge of the survey area and only a small part of it was covered by a single sample line. Most samples returned background values but one yielded the second highest copper value (2000 ppm) obtained during the entire survey (the highest was from the vegetation kill zone at the Wolverine Deposit). The sample was also weakly anomalous for molybdenum (2 ppm) and zinc (248 ppm). The anomaly was never followed up because the sampler had mapped basalt in the area and this rock type often contains minor amounts of copper.

Published regional geochemical data for the Finlayson Lake map sheet (105G) are limited to reconnaissance scale stream sediment sampling conducted by the GSC (Hornbrook and Friske, 1988). The sampling was completed at an approximate density of one sample per 10 sq km. Each sample was analyzed for twenty elements including all of the common VMS pathfinder elements. Fifteen samples from the data base were collected in the vicinity of the Ice property (Figure 7).

The sample taken from the creek closest to the Ice Deposit (3014) returned background values for all metals. This is probably because the surface expression of the deposit drains into a



Claim margin

Sample location

Figure 7

Archer, Cathro & Associates (1981) Limited

REGIONAL GEOCHEMICAL STREAM SAMPLES

ICE PROPERTY

EXPATRIATE RESOURCES LTD.

FILE: ICRGS.DWG		
DRAWN: LCP	PROJ: FP	DATE: 21/05/1997

small southwesterly-trending gully that is dry for most of the summer and was not sampled by the GSC. The exact location of the copper-rich 1973 Archer Cathro sample is unknown but its plotted location approximately coincides with the gully.

Five of the GSC samples taken elsewhere on the property returned anomalous values. The elements that would most likely be associated with Cyprus-type mineralization (such as the Ice Deposit) are copper, cobalt, zinc and silver. Samples 1019 and 3013 are both anomalous for copper (95 and 90 percentile, respectively). The former is also strongly anomalous for silver (98 percentile). Samples 3009, 3010 and 3018 all returned 95 percentile cobalt values but this may be due to high backgrounds in ultramafic rocks known to occur in the area.

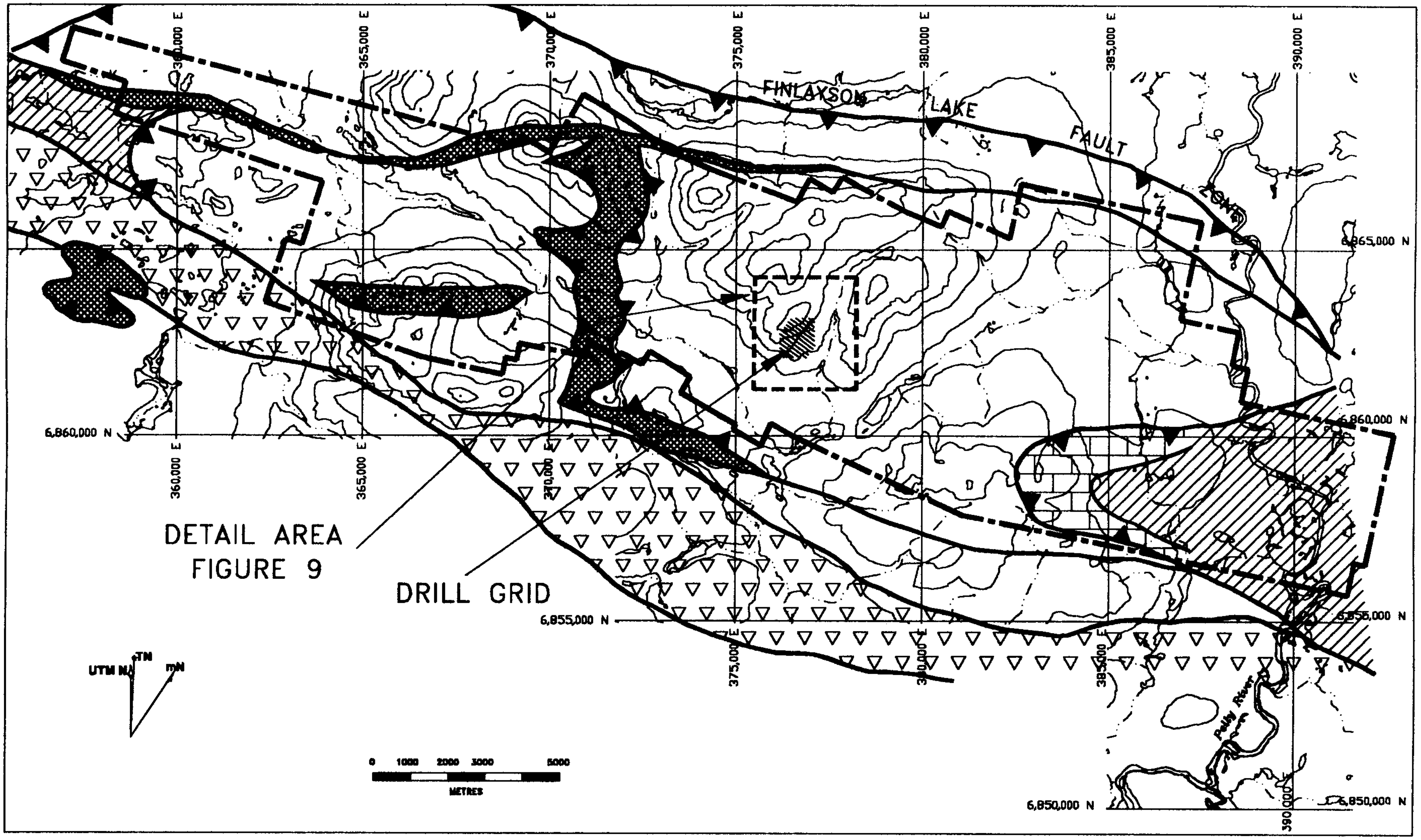
Published regional airborne magnetic surveys for the Finlayson Lake map sheet show a broad magnetic high, trending westerly for the length of the Ice property (DMTS, 1961). This magnetic signature corresponds closely to the areal distribution of the basaltic greenstones and ultramafic rocks belonging to the Slide Mountain Terrane.

PROPERTY GEOLOGY AND SURFACE MINERALIZATION

Aside from a few reconnaissance traverses all of Expatriate's 1996 mapping and prospecting was done in the immediate vicinity of the Ice Deposit. General property geology (Figure 8) was primarily compiled from unpublished 1:50,000 scale data (Mortensen 1996, personal communication).

The property lies 1 to 3 km south of the Finlayson Lake Fault and is almost completely underlain by igneous and sedimentary rocks belonging to the Slide Mountain Terrane. The most common unit consists of basalt with varying amounts of ribbon chert, some of which is argillaceous. Autobrecciation and pillows are occasionally found within the basalt but most are relatively massive. Examination of pillow textures and whole rock geochemical studies of similar basalt in the Wolverine Lake area indicates it was formed in a deep water environment (Plint and Gordon, 1997). A number of thrust faults have disrupted the sequence and they are often marked by elongate bodies of serpentinized ultramafic. At the eastern end of the property a massive carbonate unit is thrust over the basalt-chert sequence. The carbonate is also believed to be part of the Slide Mountain Terrane. Except for the serpentinized ultramafics, all units are relatively unstrained.

Argillaceous phyllite of the Yukon-Tanana Terrane cuts obliquely across the southwestern corner of the claim block then parallels the southern boundary for the length of the property. The Yukon-Tanana rocks dip shallowly toward the north and the Slide Mountain rocks appear to be thrust southwesterly over them.



Claim margin

Thrust fault

Normal fault

YUKON–TANANA TERRANE

Interlayered metavolcanics and metasediments

SLIDE MOUNTAIN TERRANE

Basalt with interlayered chert

Chert with minor basalt

Serpentinized ultramafics

Massive carbonate

Figure 8

Archer, Cathro & Associates (1981) Limited

PROPERTY GEOLOGY

ICE PROPERTY

EXPATRIATE RESOURCES LTD.

FILE: ICPRGEOL.DWG

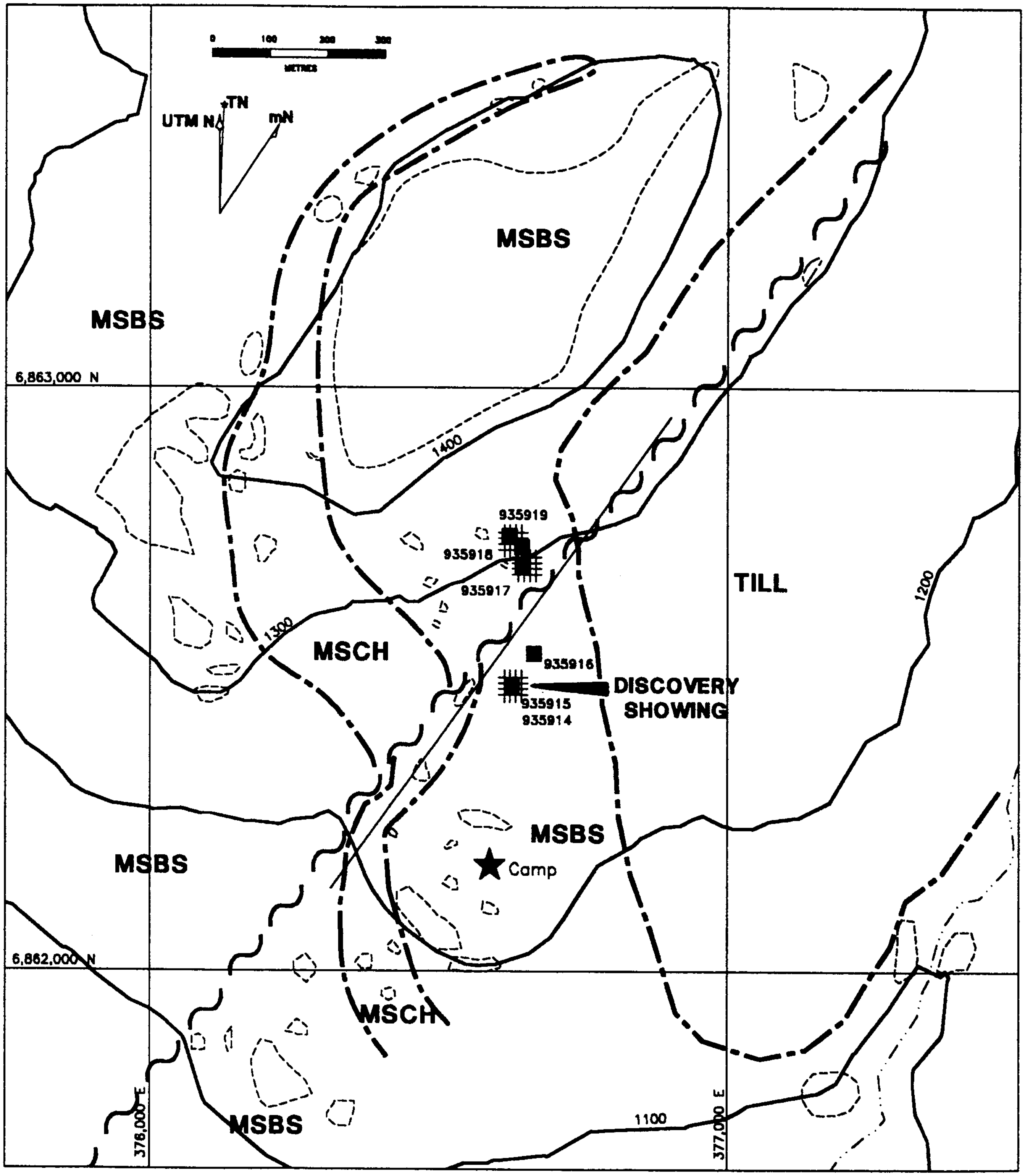
DRAWN: LCP	PROJ: FP	DATE:21/05/1997

Results of detailed mapping and prospecting by Expatriate geologists in a 5 sq km area surrounding the Ice Deposit are shown on Figure 9. The work was done at 1:2500 scale using the geophysical/geochemical grid for control.

Outcrop comprises about 5% of the area and is concentrated on a ridge crest about 400 m west of the discovery showing and along a creek 1000 m to the east. Glacial till blankets the entire northeastern part of the map area and is scattered throughout the remainder of the area. It is usually less than 3 m thick. Scour marks suggest that local ice direction was toward the south-southwest.

The geological section consists of two packages of massive and locally autobrecciated basalt separated by an approximately 60 m thick horizon comprised primarily of ribbon chert. No bedding was observed in basalt outcrops but attitudes in the chert indicate the entire section strikes northeasterly and dips moderately toward the southeast. A recessive topographic linear strikes northeasterly across the map area and corresponds with a steeply northwesterly-dipping fault. Displacement on the structure appears to be minimal. Available data is ambiguous but fault movement is best interpreted as sinistral strike slip or normal dip slip with the north side dropped down. The fault has not been observed at surface and was difficult to pinpoint in drill core. It appears to be a broad fracture zone with numerous breccia and gouge intervals. Other topographic linears may also mark faults but this has not been confirmed by drill holes.

The main rock types are described in the following paragraphs. These descriptions are based largely upon observations made during logging of drill core.



TILL	Glacial till cover
MSBS	Massive and autobrecciated basalt
MSCH	Dark grey to black, ribbon bedded chert
— - —	Geologic contact
∼ ∼ ∼	Fault
------	Outcrop
■	Rock sample location and number
#	Vegetation kill zone

Figure 9

Archer, Cathro & Associates (1981) Limited

DETAILED GEOLOGY

ICE PROPERTY

EXPATRIATE RESOURCES LTD.

FILE: ICGEOL.DWG

DRAWN: LCP | PROJ: FP | DATE: 21/05/1997

Basalt (MSBS, PHBS, BRBS)

The dominant unit near the Ice Deposit is brownish tan weathering, massive, fine-grained to aphanitic basalt. Typically it forms homogeneous, slightly rounded outcrops. Although internal textures are difficult to discern on weathered surfaces, a few pillows and autobreccias were noted. Patchy epidote alteration occurs locally while calcite, quartz or chlorite amygdules are rare. Foliation is very poorly developed or absent. Most outcrops exhibit irregular hairline fractures, some of which contain calcite or quartz veinlets and epidote altered selvages.

Petrography indicates that the primary mineralogy in the basalt is only partly altered (Payne 1996a). Fresh basalts consist of plagioclase microlites in a matrix of clinopyroxene (augite). During metamorphism and alteration the plagioclase was partially to completely replaced by epidote, clinozoisite or chlorite-actinolite. Pyroxenes were typically replaced by chlorite-epidote while ilmenite was replaced by leucoxene. The metamorphic mineral assemblage chlorite-epidote-actinolite-clinozoisite is representative of the uppermost greenschist facies of regional metamorphism (Turner, 1981; Winkler, 1974).

In drill core the basalt can be divided into subunits based on primary textures. MSBS is massive, aphanitic, dark green basalt. Locally it is slightly magnetic. The dominant characteristic of this unit is that it is homogeneous. If the basalt develops microphenocrysts, it is logged as porphyritic or phenocrystic basalt (PHBS). Two varieties of porphyritic basalt have been logged. PHBSp contains pale green to white plagioclase phenocrysts which rarely exceed 1 cm in length and constitute up to 20 percent of the unit. PHBSm contains equant, dark green mafic phenocrysts which typically have been totally altered to chlorite. BRBS is a brecciated unit which consists of rounded to angular basalt clasts in a fine-grained chloritic matrix. Clasts are up to 10 cm across. Commonly they have an alteration rind up to 2 mm thick on the outside margin. BRBS is considered to be a depositional, autobrecciated unit.

Interbanding of the different primary textural units is on the order of metres to tens of metres. Inspection of the drill cross sections indicates units are consistent within a section but do not necessarily extend to adjacent sections suggesting rapid facies changes. Table 1 contains XRF whole rock analyses for the basalt units.

Chert (MSCH, CBMS, MSAR, BRCH)

This unit forms a distinctive bed within the basalt. It is a dark grey to black, ribbon bedded to massive, fine-grained, noncalcareous chert (MSCH). Locally the chert contains minor finely disseminated pyrite. Traces of chalcopyrite are also reported in some core samples (Payne, 1996b).

Minor intervals of siltstone to fine-grained sandstone (SLST) are found within the chert. Most grains within the siltstone are subrounded quartz or chert (Payne, 1996b) but minor amounts of sericite are also present. The groundmass is sparse to moderate and consists of cherty quartz, sericite and limonite-stained ankerite. Typically the siltstone horizons are less than 2 m thick.

Table 1. XRF Whole Rock Analyses for Mafic Volcanics - Ice Property

XRF Whole Rock Analyses

Drill Hole	IC96-03	IC96-02	IC96-07	IC96-06	IC96-05	IC96-34	IC96-34
Depth (m)	90.75-92.81	80.77-82.60	44.72-45.72	88.13-90.25	22.98-24.08	43.90	97.00
Interval (m)	2.06	1.83	1.00	2.12	1.10		
Sample No.	N111050	N111108	N110292	N110293	N110294	N110040	N110041
Unit	BRBS	BRBS	MSBS	MSBS	MSBS	MSBS	BRBS
SiO2 %	44.12	46.78	48.39	47.69	46.01	49.24	50.53
TiO2 %	1.23	1.18	1.43	1.58	2.26	1.59	0.91
Al2O3 %	13.47	13.89	13.28	13.08	13.15	11.03	14.92
*Fe2O3 %	11.58	11.68	12.89	12.74	15.22	17.47	9.10
MnO %	0.18	0.20	0.22	0.20	0.23	0.22	0.14
Cr2O3 %	0.01	0.01	0.00	0.00	0.00	0.00	0.01
MgO %	13.69	8.73	7.18	6.67	6.42	6.75	5.68
CaO %	6.52	7.78	9.07	9.97	7.78	6.16	7.66
Na2O %	1.39	2.47	3.31	3.07	3.52	2.11	4.77
K2O %	0.83	0.39	0.91	0.33	0.24	0.10	0.46
P2O5 %	0.11	0.09	0.11	0.14	0.20	0.13	0.09
LOI %	6.52	5.81	2.31	2.98	3.42	4.82	4.60
Total %	99.65	99.01	99.10	98.45	98.45	99.62	98.87
Ba ppm	155	155	200	405	1495	90	160
Rb ppm	8	8	18	2	2	0	6
Sr ppm	286	52	136	214	228	52	96
Nb ppm	2	0	2	2	4	2	0
Zr ppm	33	69	63	81	114	99	51
Y ppm	14	28	30	30	46	28	16

*Fe2O3 - total iron as Fe2O3

CIPW Norms**

Sample	N111050	N111108	N110292	N110293	N110294	N110040	N110041
Mineral	Wt %	Wt %	Wt %	Wt %	Wt %	Wt %	Wt %
Quartz	0.00	0.00	0.00	0.00	0.00	5.94	0.00
Zircon	0.01	0.02	0.01	0.02	0.02	0.02	0.01
Orthoclase	5.33	2.51	5.63	2.07	1.52	0.63	2.91
Albite	12.77	22.68	29.29	27.54	31.80	19.15	43.19
Anorthite	30.51	27.86	19.56	22.22	20.75	21.82	19.21
Diopside	3.23	11.00	22.15	24.33	16.28	8.44	17.19
Hypersthene	23.52	23.82	0.90	7.98	5.78	37.74	0.32
Olivine	20.05	7.65	17.45	10.45	16.62	0.00	13.71
Magnetite	1.83	1.84	1.96	1.96	2.36	2.72	1.41
Ilmenite	2.54	2.43	2.84	3.18	4.58	3.24	1.85
Apatite	0.28	0.23	0.27	0.35	0.51	0.33	0.23
Total	100.07	100.04	100.06	100.09	100.23	100.04	100.04

** CIPW norms calculated from whole rock analyses (anhydrous basis) using computer program NEWPET (Clarke, 1991).
Iron distributed between Fe2O3 and FeO following Irvine and Baragar (1971).

Dark grey to black, carbonaceous, very fine-grained, noncalcareous shale (CBMS) and argillite (MSAR) form short intervals within the chert unit. These intervals are differentiated from the chert because they are softer, indicating a much lower silica content. Petrographic descriptions indicate these rocks are compositionally banded on a scale of a few mm with quartz-rich bands separating sericite-rich bands (Payne, 1996b). Locally the chert unit is brecciated and logged as BRCH. In most cases it was not determined if the brecciation was a primary depositional or tectonic feature.

Table 2 contains XRF whole rock analyses of the chert unit. Silica content indicates that this unit should be considered a procellanite or argillaceous chert rather than a chert.

Prospecting located numerous copper bearing outcrops and float occurrences within a 350 by 150 m area (Figure 9). Six samples were sent to Chemex Labs in North Vancouver where they were geochemically analyzed for 32 elements by the Induced Coupled Plasma (ICP) technique. Some were later assayed for copper and gold. Certificates of Analysis are in Appendix III.

The discovery showing is marked by a 30 m in diameter vegetation kill zone and consists of malachite cemented glacial till. A typical specimen from the kill zone assayed 0.68% copper (935915) while a malachite-rich specimen returned 11.3% copper (935914). Both samples yielded near background values for other metals. About 20 m north of the kill zone a float boulder was found which consists of magnetite in a limonite boxwork exhibiting pyrite and chalcopyrite casts. A specimen of this material assayed 0.42% copper (935916).

Table 2. XRF Whole Rock Analyses for Cherts - Ice Property

XRF Whole Rock Analyses

Drill Hole	IC96-24	IC96-24	IC96-24
Depth (m)	62.98	54.04	77.70
Interval (m)			
Sample No.	N110037	N110038	N110039
Unit	BRCH	SLST	MSCH
SiO2 %	82.74	74.07	77.62
TiO2 %	0.38	0.66	0.36
Al2O3 %	7.69	9.66	7.74
*Fe2O3 %	3.41	3.37	3.03
MnO %	0.05	0.17	0.08
Cr2O3 %	0.00	0.00	0.00
MgO %	0.60	0.89	1.47
CaO %	0.10	2.30	1.30
Na2O %	0.01	0.00	0.00
K2O %	1.84	2.62	1.91
P2O5 %	0.05	0.24	0.14
LOI %			
Total %	99.23	99.31	99.20
Ba ppm	6045	4995	4080
Rb ppm	72	96	78
Sr ppm	10	18	30
Nb ppm	6	14	8
Zr ppm	96	168	84
Y ppm	10	20	12

*Fe2O3 - total iron as Fe2O3

CIPW Norms**

Sample	N110037	N110038	N110039
Mineral	Wt %	Wt %	Wt %
Quartz	74.75	59.98	68.12
Corundum	5.35	3.03	3.57
Zircon	0.02	0.04	0.02
Orthoclase	11.29	16.57	12.12
Albite	0.09	0.00	0.00
Anorthite	1.81	11.92	7.09
Hypersthene	5.95	6.59	8.00
Magnetite	0.51	0.52	0.47
Ilmenite	0.75	1.34	0.73
Apatite	0.21	0.65	0.39
Total	100.72	100.65	100.52

** CIPW norms calculated from whole rock analyses (anhydrous basis) using computer program NEWPET (Clarke, 1991).
Iron distributed between Fe2O3 and FeO following Irvine and Baragar (1971).

Subsequent prospecting located mineralized basalt outcrops and float north and west of the kill zone. These rocks contain abundant malachite and rare azurite on internal fractures but little or no copper mineralization on external surfaces. Except for the fracture mineralization, the rocks are barren. A 3 m long chip sample across this type of mineralization returned 0.30% copper but low values for all other metals (935919).

A more subtle but larger kill zone was identified about 250 m north of the discovery showing. Soil in this area is quite rusty and prospecting has outlined a number of small outcrops consisting of intensely leached limonite boxwork. This material is lighter in colour than the previously described boxwork and does not contain magnetite. A chip sample and specimen of the limonite assayed 0.37 and 0.32% copper, respectively (935916 and 935917). These samples were distinguished from all other samples by higher precious metal contents, up to 7.6 g/t silver and 1.28 g/t gold.

No sulphide mineralization has been discovered at surface in the vicinity of the Ice Deposit.

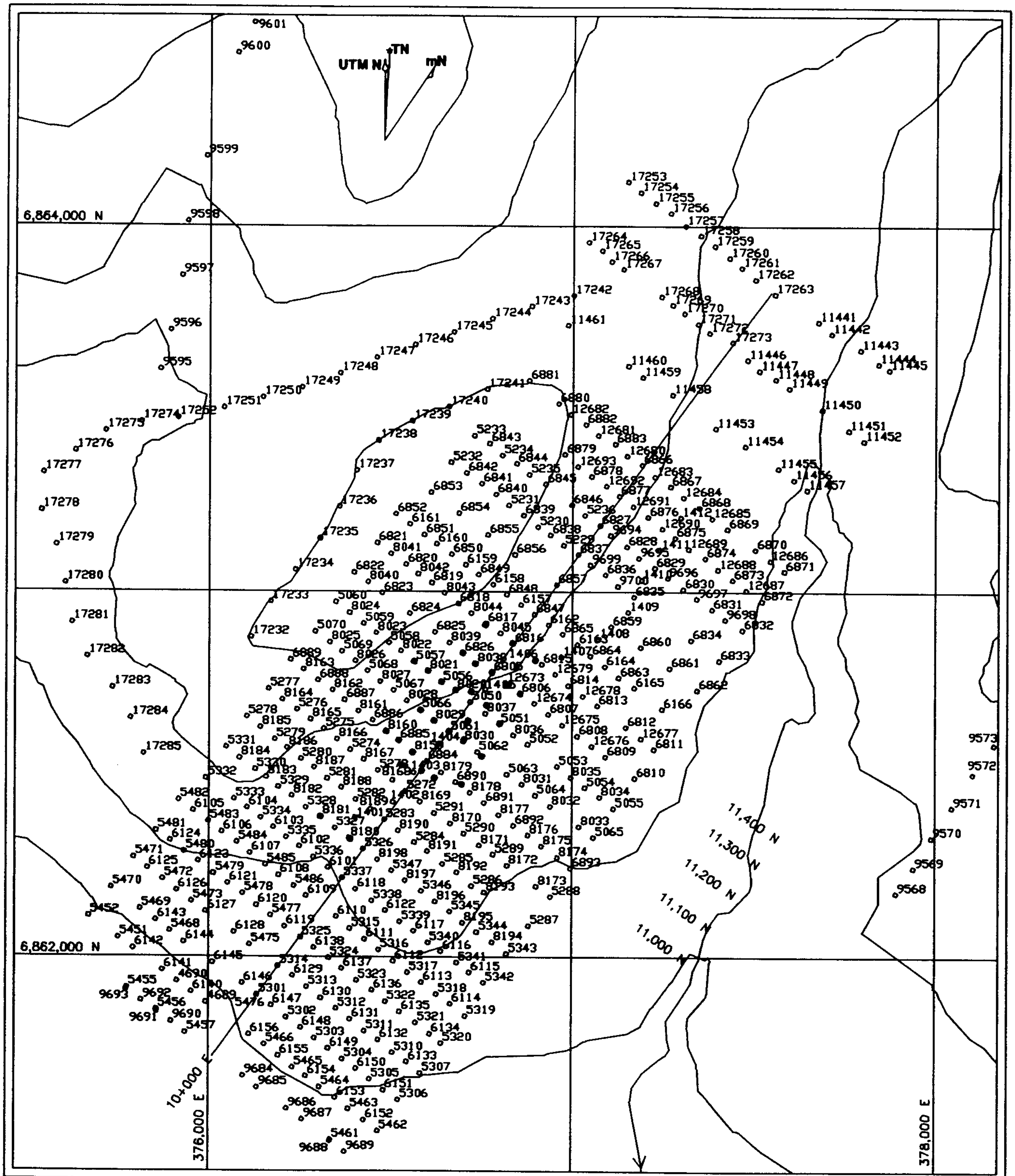
PROPERTY GEOCHEMISTRY

Immediately following the discovery, preliminary grid soil sampling was done over a 1100 by 400 m area using a claim line for baseline control. This work produced extremely encouraging results and in July a slope corrected grid was cut so that the area could be systematically explored. The grid consists of a 2000 m long baseline with 1000 m long crosslines every 100 m. A few shorter lines were cut later at 50 m intervals along the baseline near the centre of the grid to assist in drill hole location.

Soil samples were collected from B or B+C Horizon material at 50 m intervals along the crosslines and 100 m intervals on reconnaissance lines peripheral to the grid. Sample locations are marked with 0.5 m wooden lath bearing aluminum tags inscribed with the grid coordinates and sample number. Sample locations are shown on Figure 10.

The samples were placed in pre-numbered kraft bags and sent to Chemex Labs where they were sieved to -80 mesh, digested in nitric-aqua regia and geochemically analyzed for 32 elements using the ICP technique. About half the samples were also analyzed for gold with a fire assay preparation and atomic absorption finish.

Figures 11 to 13 illustrate copper, zinc and cobalt geochemical values, respectively. Results from the cut grid closely resemble those from the preliminary grid. The main target is an area of moderately to extremely anomalous copper response that covers a 1400 m long, up to 500 m wide area extending from the zone of surface mineralization 1000 m down a gully to the southwest and 200 m up a moderately steep slope to the northwest. The southwesterly extension



$_{o}^{9875}$ Sample location with sample number
All sample numbers prefixed by BB

0 100 200 400 600 800 1000 m

FIGURE 10

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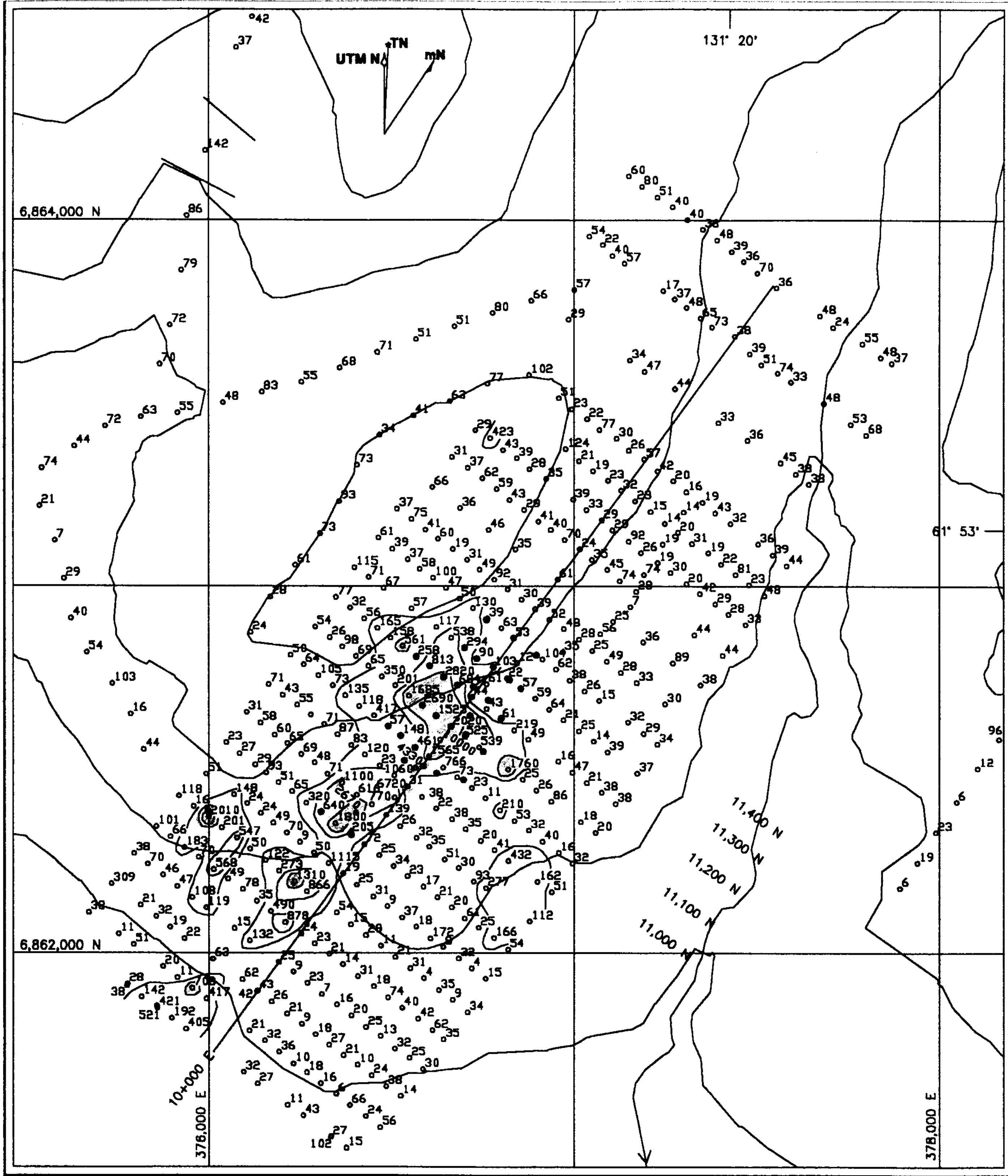
SAMPLE LOCATION

ICE PROPERTY

EXPATRIATE RESOURCES LTD.

FILE: IC-LOC1.DWG		
DRAWN: TCB	PROJ: FP	DATE: May 12/97



$_o$88 Sample location with copper value in ppm

≥ 1000 ppm Cu

≥ 500 < 1000 ppm Cu

≥ 100 < 500 ppm Cu

● Diamond drill hole location

0 75 150 300 450 600 750 m

FIGURE 11

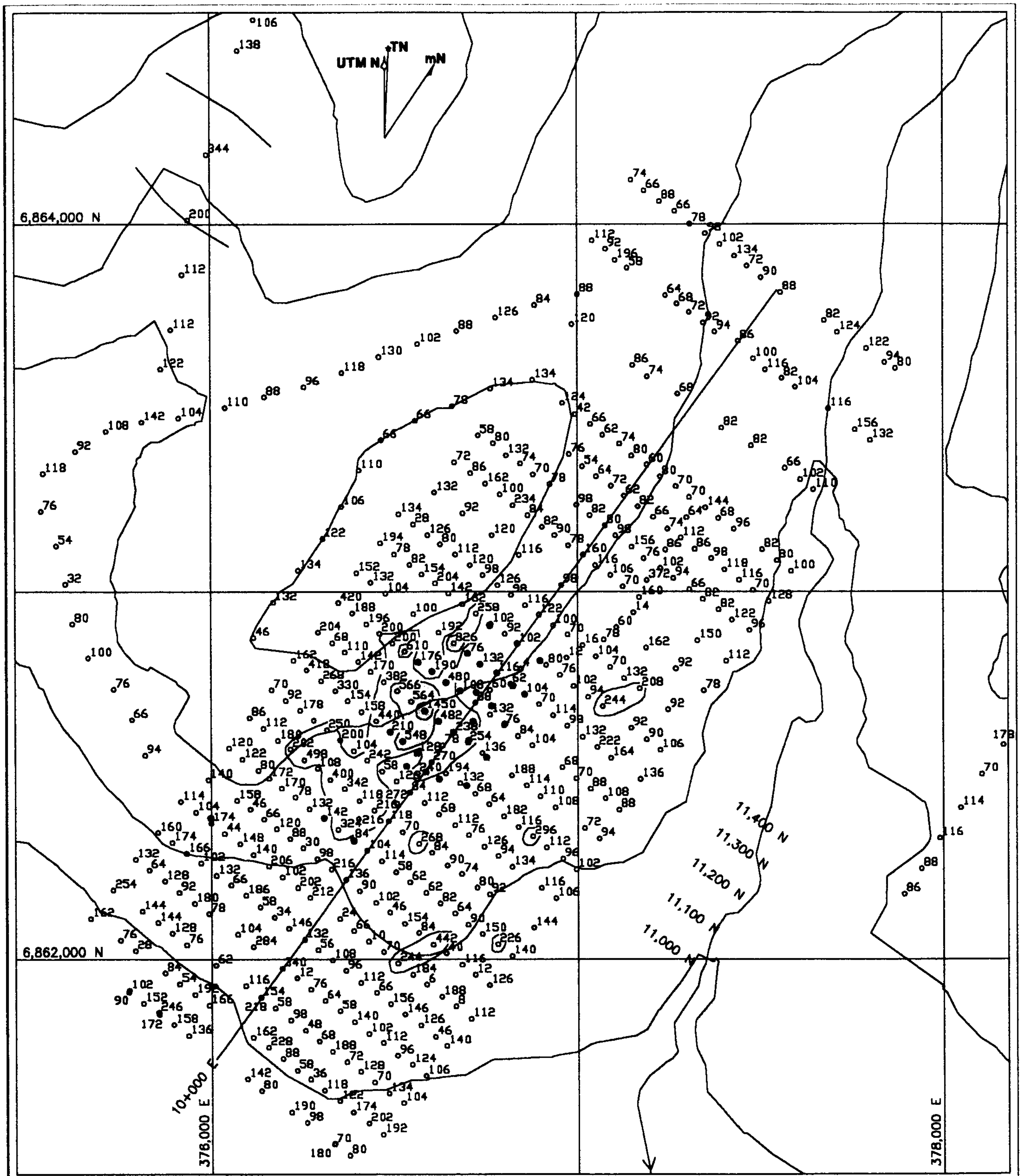
Archer, Cathro & Associates (1981) Limited

COPPER GEOCHEMISTRY

ICE PROPERTY

EXPATRIATE RESOURCES LTD.

FILE: IC-CU.DWG		
DRAWN: TCB	PROJ: FP	DATE: May 12/97



$_o$98 Sample location with zinc value in ppm

≥ 1000 ppm Zn

≥ 500 < 1000 ppm Zn

≥ 200 < 500 ppm Zn

• Diamond drill hole location

0 75 150 300 450 600 750 m

FIGURE 12

Archer, Cathro & Associates (1981) Limited

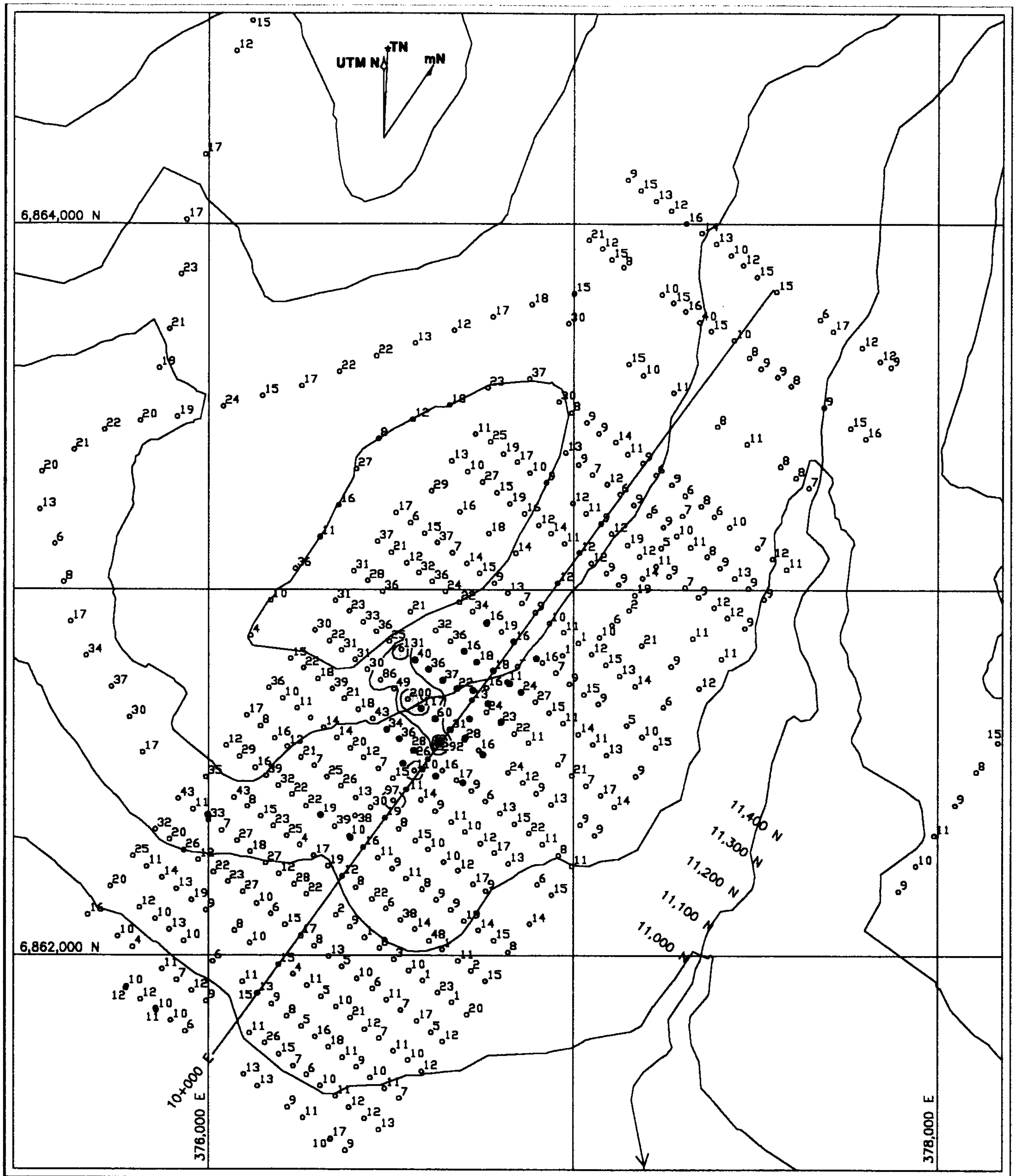
ZINC GEOCHEMISTRY

ICE PROPERTY

EXPATRIATE RESOURCES LTD.

FILE: IC-ZN.DWG

DRAWN: TCB	PROJ: FP	DATE: May 12/97



98 Sample location with cobalt value in ppm

≥ 200 ppm Co

≥ 100 < 200 ppm Co

≥ 50 < 100 ppm Co

● Diamond drill hole location

0 75 150 300 450 600 750 m

FIGURE 13

Archer, Cathro & Associates (1981) Limited

COBALT GEOCHEMISTRY

ICE PROPERTY

EXPATRIATE RESOURCES LTD.

FILE: IC-CO.DWG		
DRAWN: TCB	PROJ: FP	DATE: May 12/97

can be explained by hydromorphic transport in groundwater but the northwesterly extension is unexplained. The anomaly is truncated by glacial till cover to the northeast. Anomalous zinc and cobalt response coincide with copper in the vicinity of the mineralization and uphill to the northwest but does not extend down the gully to the southwest. Peak values are >10,000 ppm copper, 1450 ppm zinc and 200 ppm cobalt.

Three secondary copper anomalies were also outlined on the edges of the grid. The first lies about 500 m west of the mineralized zone and consists of a 350 by 300 m area of moderately to extremely anomalous copper values with little cobalt or zinc support. The second is situated along the ridge crest 600 m north of the mineralized zone. It is limited to a few samples that exhibit moderate to strong copper response. The final anomaly is located 300 m south of the mineralized zone. It is about 400 m long and exhibits moderate to strong copper values with scattered zinc support.

Geochemical response for other metals is generally subdued and shows little direct correlation with the main indicator metals or areas of surface mineralization.

DIAMOND DRILLING

General

Drilling was contracted to E. Caron Diamond Drilling Ltd. and was done with a variety of equipment. All drill sites were built by hand and the moves were made by helicopter. The first four holes were completed with a Craelius drill using BTW equipment. Unfortunately core recovery was inadequate and this drill was replaced with a BBS-15 which routinely used HQ equipment reducing to NQ where necessary. A larger Val D'Or drill was added in September. Both the BBS-15 and Val D'Or were stored on site for the winter.

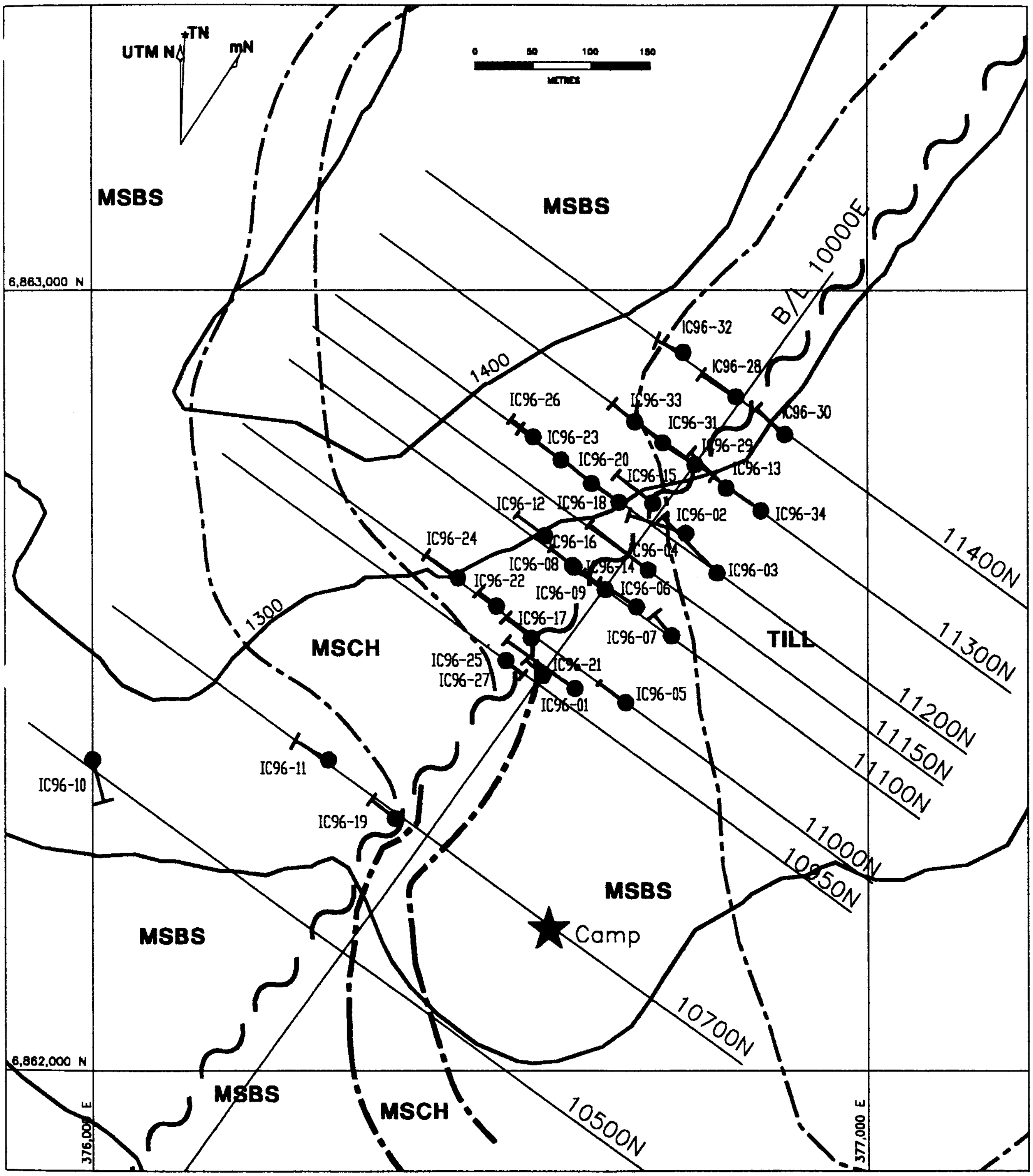
Water was supplied from a large creek east of the drill area. To insure an adequate supply to the drills and camp a pump station was built immediately below a bedrock canyon about a kilometre southeast of camp. A metal waterline was installed in September to lift the water 130 m vertically from the creek to a relay station near camp where it was pumped in rubber hoses to the drill sites. The farthest drill site was 1750 m from the pump on the creek.

Core recovery and bit wear were serious problems in the highly fractured and deeply weathered rocks found in the vicinity of the surface showings. Although HQ core yielded better recovery than BTW or NQ, it was still unsatisfactory in many mineralized sections. The best recoveries were obtained using split tube HQ equipment. Unoxidized, relatively massive rock produced good recovery (greater than 95%) with all core diameters. Sulphide-rich intervals generally cored better than the wallrocks. Permafrost was not encountered in any of the holes.

A total of 2703.88 m was completed in thirty-four diamond drill holes, the locations of which are shown on Figure 14. Survey details concerning individual holes are summarized on Table 3. The drill program was designed to test for stratiform massive sulphide mineralization beneath mineral showings, soil geochemical anomalies and HLEM conductors. Holes were collared on the cut grid lines and are generally inclined to the northwest approximately perpendicular to bedding and the trace of the main fault in the area. The holes cut bedding at high angles but were subparallel to the dip of the fault. Collar locations have been marked with wooden posts labelled with inscribed metal tags.

Drill core from most of the holes was logged on site and is stored at the camp on the property. Core from some of the earlier holes had been flown to Expatriate's base camp on Finlayson Lake for logging and is temporarily stored at the Mink Creek Airstrip on its way back to the property. Drill hole data was entered into spreadsheets in the field and later transferred to a PC-XPLOR database for plotting vertical sections and plans. Drill logs are contained in Appendix IV while drill sections are illustrated on Figures 15 to 23.

Mineralized intervals and adjacent wallrocks were split and one-half was sent to Chemex Labs where it was crushed, pulverized to -150 mesh using a chrome steel ring mill, digested in nitric-aqua regia and then geochemically analyzed for 32 elements using the ICP technique. Mineralized intervals were later assayed for copper and gold. Selected specimens were also assayed for cobalt and geochemically analyzed for selenium, indium, tin, rhenium and platinum group elements. The elements Al, Ba, Be, Ca, Cr, Ga, La, Mg, K, Sc, Na, Sr, Tl, Ti and W



TILL	Glacial till cover
MSBS	Massive and autobrecciated basalt
MSCH	Dark grey to black, ribbon bedded chert
– · –	Geologic contact
~ ~ ~	Fault
├──●	Diamond drill hole
──	Drill grid cross section line

Figure 14

Archer, Cathro & Associates (1981) Limited

DRILL PLAN

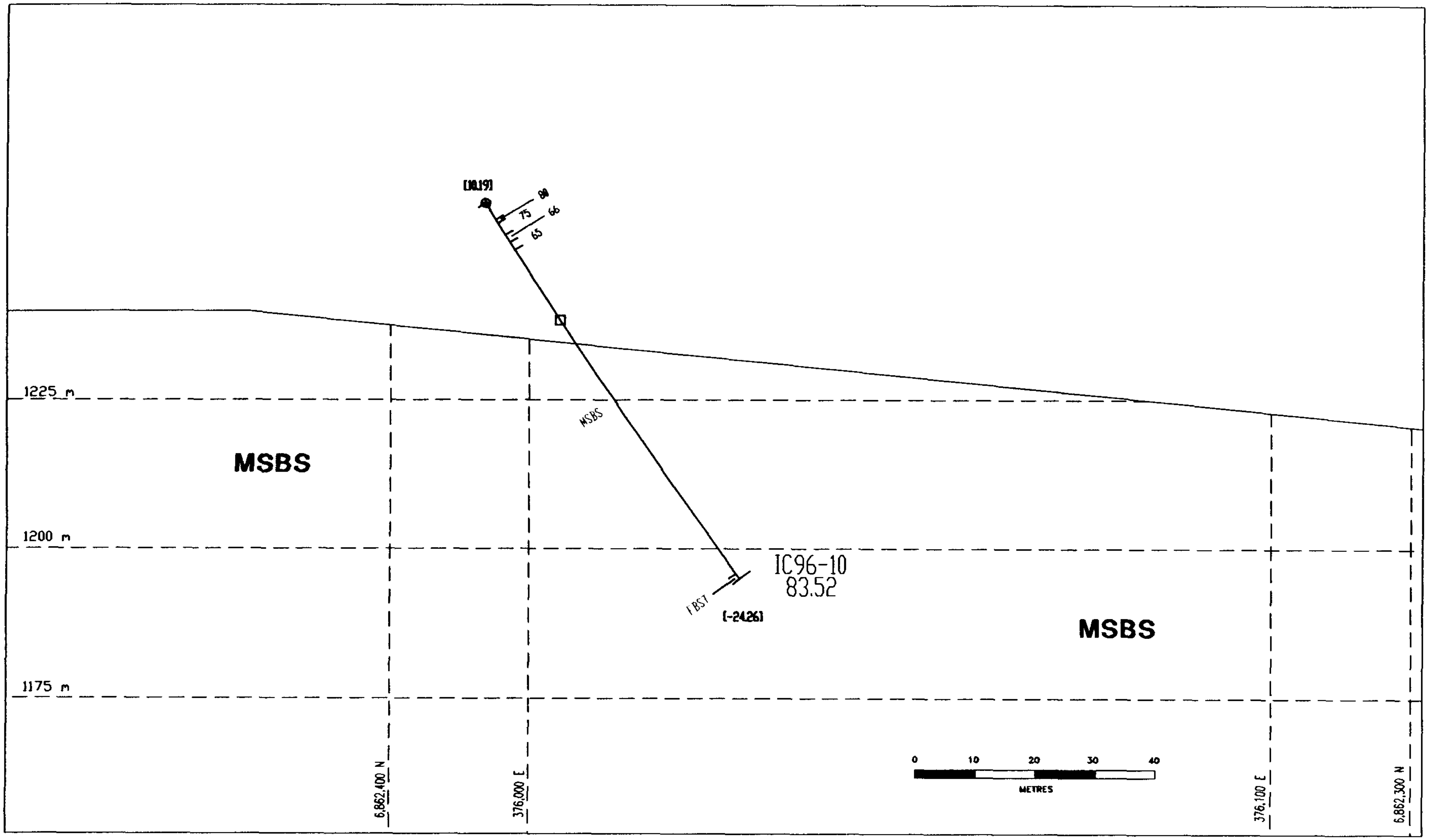
ICE PROPERTY

EXPATRIATE RESOURCES LTD.

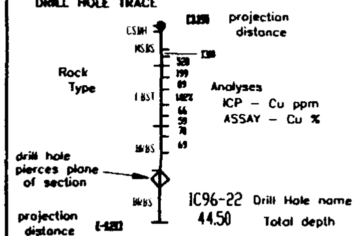
FILE: ICDRILL.DWG		
DRAWN: LCP	PROJ: FP	DATE: 21/05/1997

Table 3. 1996 Drill Survey Data - Ice Property

Hole No.	Grid Location		UTM Location			Azm	Dip	Depth	Depth	Claim	Start	Finish	Logger
	E	N	E	N	Z			(m)	(ft)				
IC96-01	10,042.5	10,971.0	376,623	6,862,490	1,259	305	-50	181.66	596	Ice 10	06-Jul-96	11-Jul-96	G. Bell
IC96-02	10,035.0	11,216.7	376,765	6,862,689	1,295	288	-50	116.13	381	Ice 12	12-Jul-96	14-Jul-96	Bell/McDougall
IC96-03	10,097.7	11,198.7	376,805	6,862,638	1,281	316	-50	152.40	500	Ice 12	27-Jul-96	01-Aug-96	G. McDougall
IC96-04	10,028.0	11,150.0	376,717	6,862,642	1,285	308	-50	148.13	486	Ice 12	01-Aug-96	06-Aug-96	G. Bell
IC96-05	10,100.0	11,000.0	376,688	6,862,472	1,247	306	-50	66.45	218	Ice 10	10-Aug-96	14-Aug-96	G. Bell
IC96-06	10,043.5	11,105.5	376,702	6,862,595	1,279	304	-50	92.66	304	Ice 12	15-Aug-96	17-Aug-96	G. Bell
IC96-07	10,101.5	11,099.0	376,747	6,862,558	1,272	320	-50	53.34	175	Ice 12	19-Aug-96	21-Aug-96	G. Bell
IC96-08	9,952.0	11,100.0	376,622	6,862,646	1,285		-90	74.37	244	Ice 11	22-Aug-96	25-Aug-96	G. Bell
IC96-09	9,952.0	11,100.0	376,623	6,862,645	1,285	128	-50	74.37	244	Ice 11	26-Aug-96	30-Aug-96	G. Bell
IC96-10	9,590.0	10,510.0	376,000	6,862,399	1,258	165	-51	83.52	274	Ice 17	31-Aug-96	06-Sep-96	G. Bell
IC96-11	9,848.5	10,700.0	376,305	6,862,399	1,247	300	-51	77.72	255	Ice 9	07-Sep-96	10-Sep-96	G. Bell
IC96-12	9,903.2	11,099.0	376,585	6,862,686	1,304	306	-50	70.41	231	Ice 11	11-Sep-96	13-Sep-96	G. Bell
IC96-13	10,050.0	11,299.5	376,817	6,862,747	1,295	315	-48	98.76	324	Ice 12	12-Sep-96	16-Sep-96	G. Bell
IC96-14	9,998.0	11,100.5	376,662	6,862,617	1,278	308	-50	57.00	187	Ice 11	14-Sep-96	17-Sep-96	A. Burgert
IC96-15	9,981.0	11,215.5	376,723	6,862,728	1,315	308	-50	89.61	294	Ice 11	17-Sep-96	21-Sep-96	A. Burgert
IC96-16	9,949.0	11,100.0	376,620	6,862,648	1,285	308	-50	53.64	176	Ice 11	18-Sep-96	20-Sep-96	A. Burgert
IC96-17	9,956.0	11,001.5	376,567	6,862,555	1,268	308	-50	64.62	212	Ice 9	21-Sep-96	23-Sep-96	A. Burgert
IC96-18	9,948.7	11,199.5	376,680	6,862,729	1,302	305	-50	77.42	254	Ice 11	22-Sep-96	25-Sep-96	A. Burgert
IC96-19	9,947.7	10,700.0	376,390	6,862,324	1,199	308	-50	58.83	193	Ice 9	24-Sep-96	26-Sep-96	A. Burgert
IC96-20	9,907.2	11,198.7	376,645	6,862,753	1,317	310	-50	63.70	209	Ice 11	26-Sep-96	30-Sep-96	A. Burgert
IC96-21	10,001.5	10,963.0	376,582	6,862,507	1,257	312	-50	46.02	151	Ice 9	27-Sep-96	28-Sep-96	A. Burgert
IC96-22	9,900.0	11,001.0	376,522	6,862,596	1,278	308	-50	44.50	146	Ice 9	29-Sep-96	01-Oct-96	A. Burgert
IC96-23	9,857.7	11,200.0	376,606	6,862,783	1,335	307	-50	104.85	344	Ice 11	01-Oct-96	06-Oct-96	A. Burgert
IC96-24	9,838.5	11,002.5	376,472	6,862,632	1,290	305	-50	78.03	256	Ice 9	02-Oct-96	06-Oct-96	A. Burgert
IC96-25	9,939.5	10,951.0	376,533	6,862,527	1,259		-90	51.82	170	Ice 9	06-Oct-96	08-Oct-96	A. Burgert
IC96-26	9,812.0	11,202.0	376,570	6,862,813	1,358	308	-50	56.39	185	Ice 11	08-Oct-96	10-Oct-96	A. Burgert
IC96-27	9,949.2	10,951.0	376,534	6,862,526	1,259	130	-50	46.33	152	Ice 9	09-Oct-96	10-Oct-96	A. Burgert
IC96-28	9,994.5	11,404.0	376,831	6,862,862	1,318	303	-50	85.04	279	Ice 11	11-Oct-96	15-Oct-96	A. Burgert
IC96-29	9,999.7	11,299.5	376,777	6,862,777	1,307	303	-50	65.84	216	Ice 11	12-Oct-96	15-Oct-96	A. Burgert
IC96-30	10,075	11,400	376,894	6,862,812	1,291	315	-49	82.30	270	Ice 12	16-Oct-96	18-Oct-96	A. Burgert
IC96-31	9,950	11,299	376,736	6,862,805	1,317	308	-49	61.57	202	Ice 11	17-Oct-96	20-Oct-96	A. Burgert
IC96-32	9,910	11,400	376,762	6,862,920	1,355	296	-50	55.47	182	Ice 11	19-Oct-96	22-Oct-96	A. Burgert
IC96-33	9,905	11,300	376,700	6,862,832	1,335	310	-50	56.08	184	Ice 11	21-Oct-96	24-Oct-96	A. Burgert
IC96-34	10,100	11,300	376,862	6,862,718	1,285	305	-50	114.91	377	Ice 12	23-Oct-96	26-Oct-96	A. Burgert
								2,703.88	8,871				



DRILL HOLE TRACE



ROCK UNITS

CSDH	Casing
BCDH	Broken core
LCDH	Lost core
OBDH	Overburden
MSBS	Massive basalt
PHBS	Porphyritic basalt
PHBSp	Basalt with feldspar microphenocrysts
PHBSm	Basalt with mafic microphenocrysts
BRBS	Autobrecciated basalt, green or red
FFBS	Basaltic tuff
CBMS	Carbonaceous mudstone
MSCH	Dark grey to black chert
BRCH	Brecciated chert, grey to black
MSAR	Mudstone or argillite
SLST	Siltstone
PYSM	Semi-massive pyritic sulphides (10–40%)
PYMS	Pyritic massive sulphides (>40%)
HEMS	Pyritic specular hematite
MGMS	Massive magnetite, pyrite, hematite
GGST	Fault gouge
FBST	Fault breccia
QTVN	Quartz vein
EPVN	Epidote vein
CAVN	Calcite vein

Figure 15

Archor, Cathro & Associates (1981) Limited

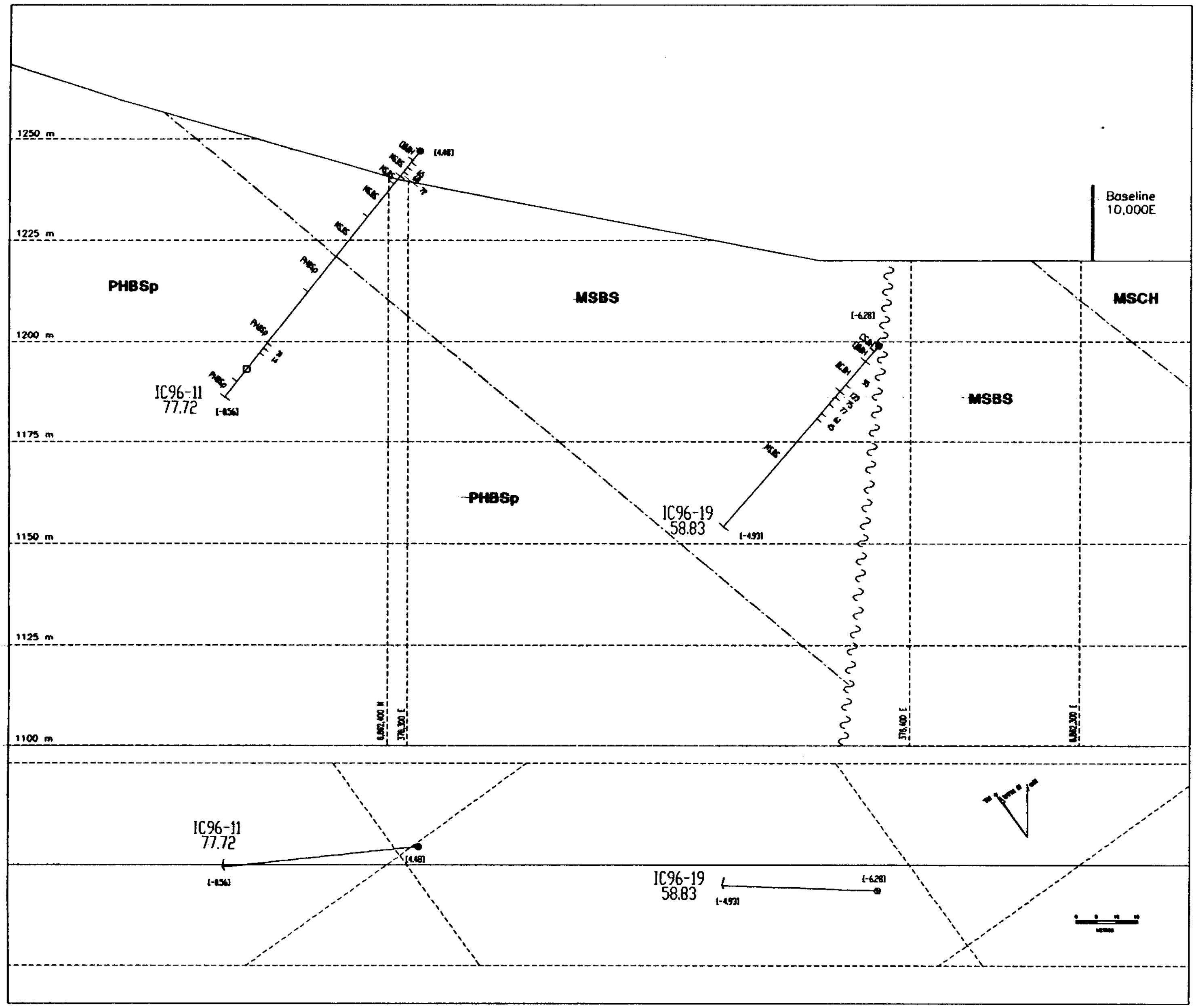
SECTION 10500 N

ICE PROPERTY

EXPATRIATE RESOURCES LTD.

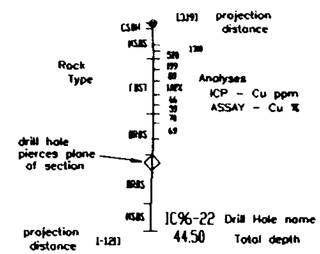
FILE: IC10500N.DWG

DRAWN: LCP | PROJ: FP | DATE: 28/03/1997



LEGEND

DRILL HOLE TRACE



------- Geologic contact

∿∿∿∿ Fault

ROCK UNITS

CSDH	Casing
BCDH	Broken core
LCDH	Lost core
OBDH	Overburden
MSBS	Massive basalt
PHBS	Porphyritic basalt
PHBSp	Basalt with feldspar microphenocrysts
PHBSm	Basalt with mafic microphenocrysts
BRBS	Autobrecciated basalt, green or red
FFBS	Basaltic tuff
CBMS	Carbonaceous mudstone
MSCH	Dark grey to black chert
BRCH	Brecciated chert, grey to black
MSAR	Mudstone or argillite
SLST	Siltstone
PYSM	Semi-massive pyritic sulphides (10-40%)
PYMS	Pyritic massive sulphides (>40%)
HEMS	Pyritic specular hematite
MGMS	Massive magnetite, pyrite, hematite
GGST	Fault gouge
FBST	Fault breccia
QTVN	Quartz vein
EPVN	Epidote vein
CAVN	Calcite vein

Figure 16

Archer, Cathro & Associates (1981) Limited

SECTION 10700 N

ICE PROPERTY

EXPATRIATE RESOURCES LTD.

FILE: FRAME1H.DWG

DRAWN: LCP | PROJ: FP | DATE: 13/04/1997

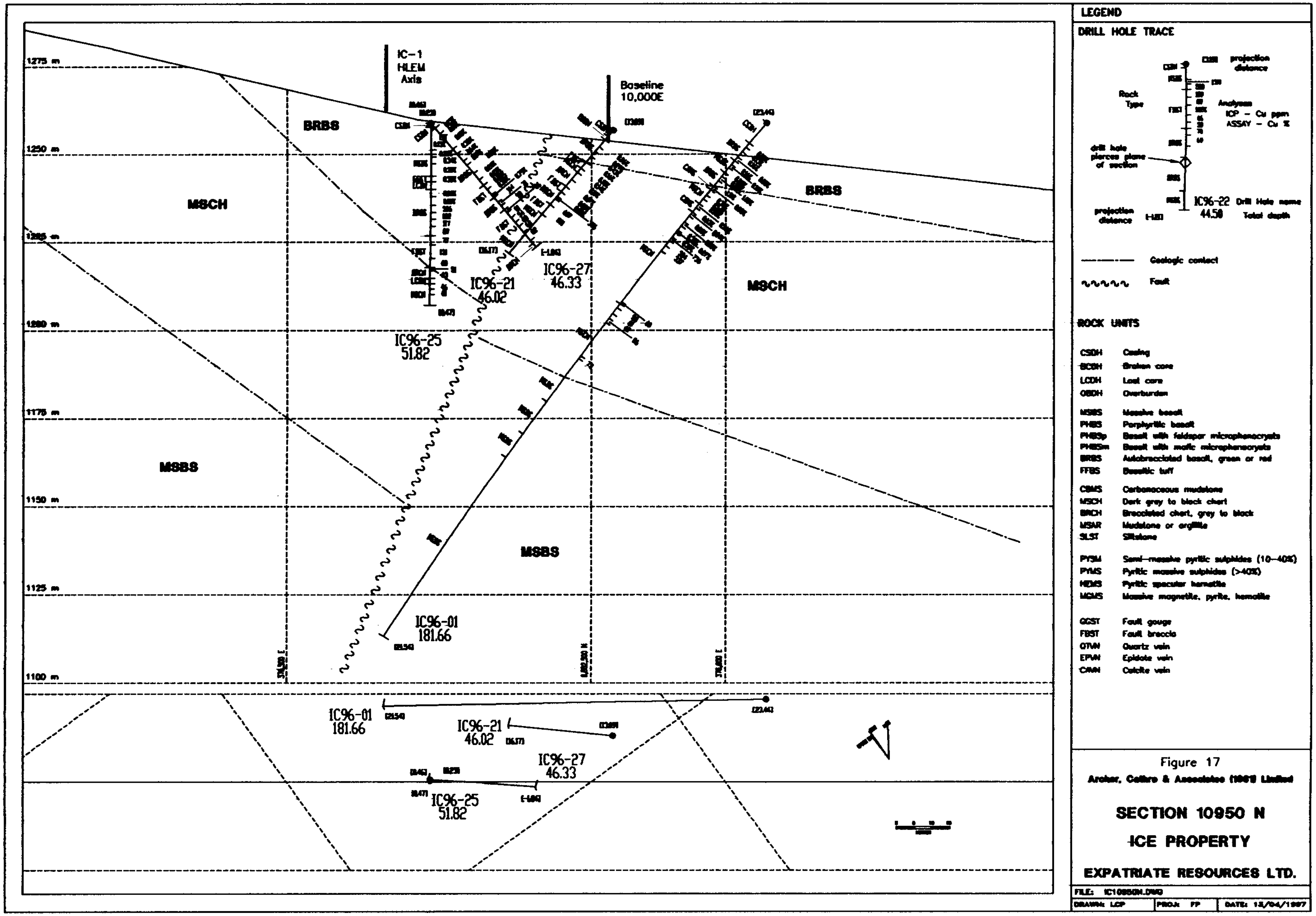


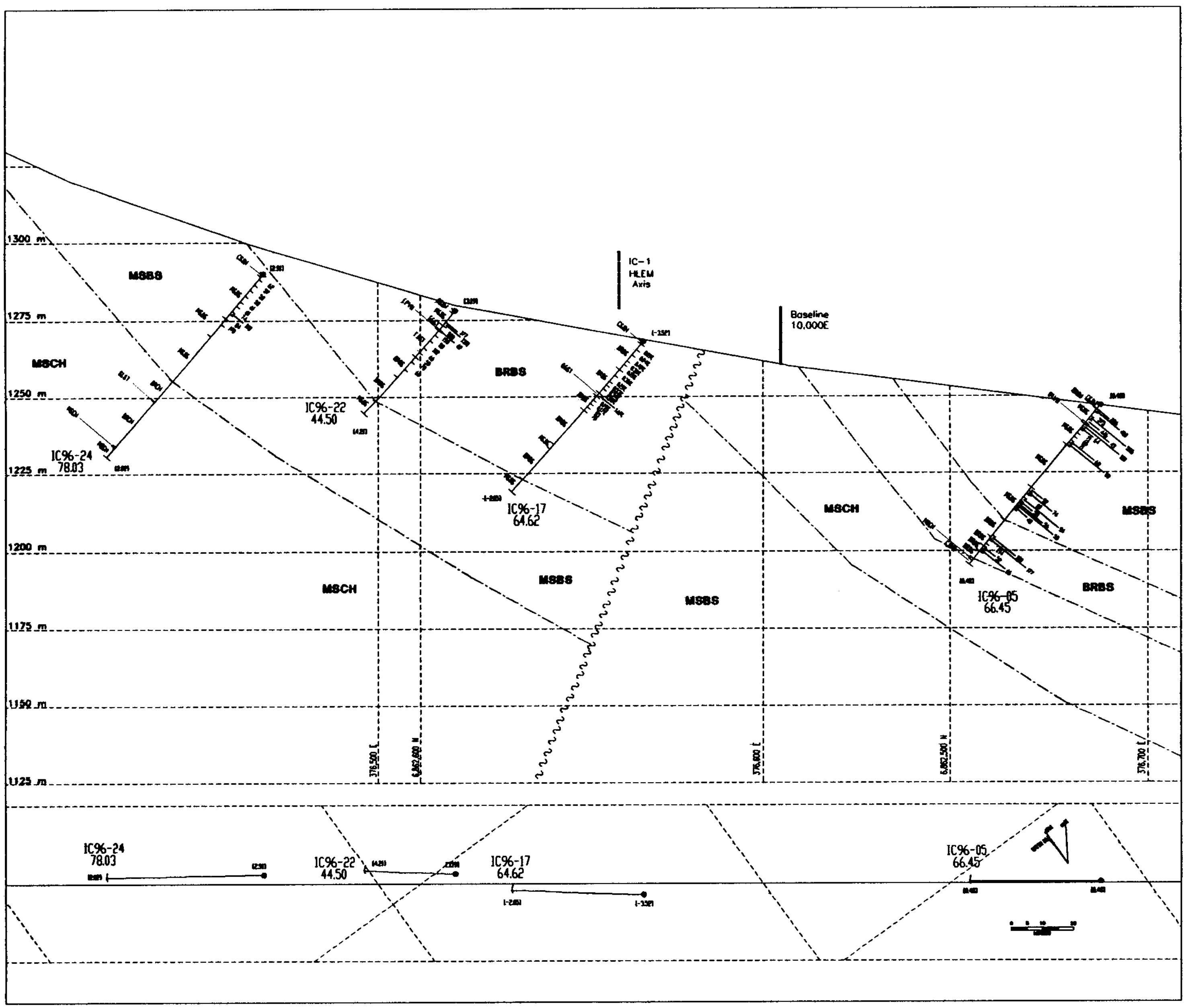
Figure 17

Archer, Cathro & Associates (1981) Limited

SECTION 10950 N

ICE PROPERTY

EXPATRIATE RESOURCES LTD.



LEGEND

DRILL HOLE TRACE

Geologic contact

Fault

ROCK UNITS

CSDH	Casing
BCBH	Broken core
LCDH	Lost core
OBDH	Overburden
MSBS	Massive basalt
PHBS	Porphyritic basalt
PHBSp	Basalt with feldspar microphenocrysts
PHBSm	Basalt with mafic microphenocrysts
BRBS	Autobrecciated basalt, green or red
FFBS	Basaltic tuff
CBMS	Carbonaceous mudstone
MSCH	Dark grey to black chert
BRCH	Brecciated chert, grey to black
MSAR	Mudstone or argillite
SLST	Siltstone
PYSM	Semi-massive pyritic sulphides (10-40%)
PYMS	Pyritic massive sulphides (>40%)
HEMS	Pyritic specular hematite
MGMS	Massive magnetite, pyrite, hematite
GGST	Fault gouge
FBST	Fault breccia
QTVN	Quartz vein
EPVN	Epidote vein
CAVN	Calcite vein

Figure 18

Archer, Cathro & Associates (1981) Limited

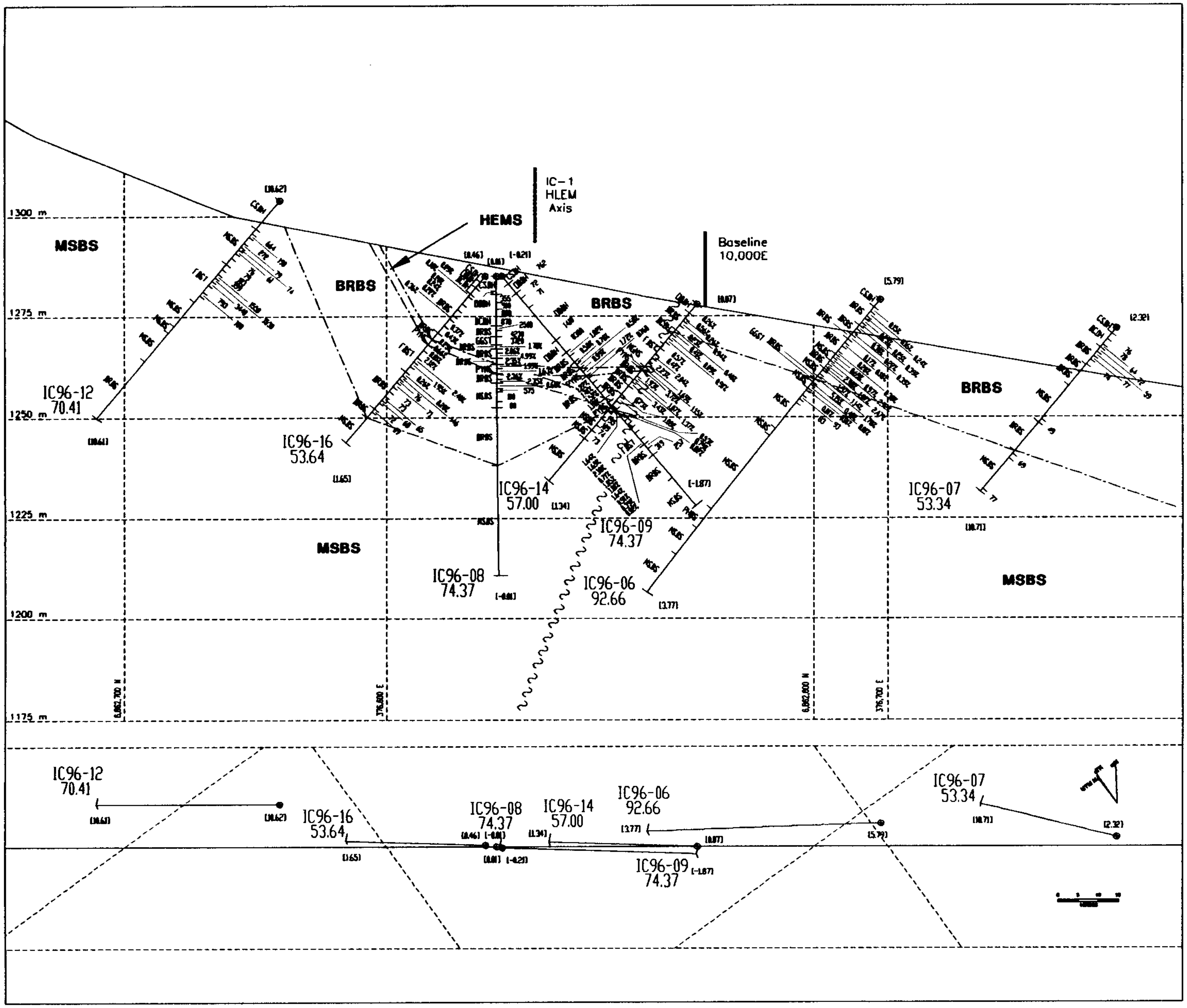
SECTION 11000 N

ICE PROPERTY

EXPATRIATE RESOURCES LTD.

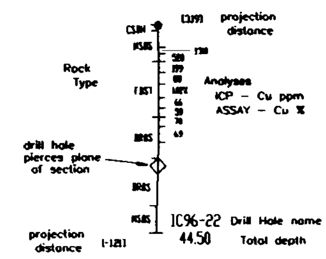
FILE: IC11000N.DWG

DRAWN: LCP | PROJ: FP | DATE: 13/04/1997



LEGEND

DRILL HOLE TRACE



Geologic contact

Fault

ROCK UNITS

CSDH	Casing
BCDH	Broken core
LCDH	Lost core
OBDH	Overburden
MSBS	Massive basalt
PHBS	Porphyritic basalt
PHBSp	Basalt with feldspar microphenocrysts
PHBSm	Basalt with mafic microphenocrysts
BRBS	Autobrecciated basalt, green or red
FFBS	Basaltic tuff
CBMS	Carbonaceous mudstone
MSCH	Dark grey to black chert
BRCH	Brecciated chert, grey to black
MSAR	Mudstone or argillite
SLST	Siltstone
PYSM	Semi-massive pyritic sulphides (10-40%)
PYMS	Pyritic massive sulphides (>40%)
HEMS	Pyritic specular hematite
MGMS	Massive magnetite, pyrite, hematite
GGST	Fault gouge
FBST	Fault breccia
QTVN	Quartz vein
EPVN	Epidote vein
CAVN	Calcite vein

Figure 19

Archer, Cathro & Associates (1981) Limited

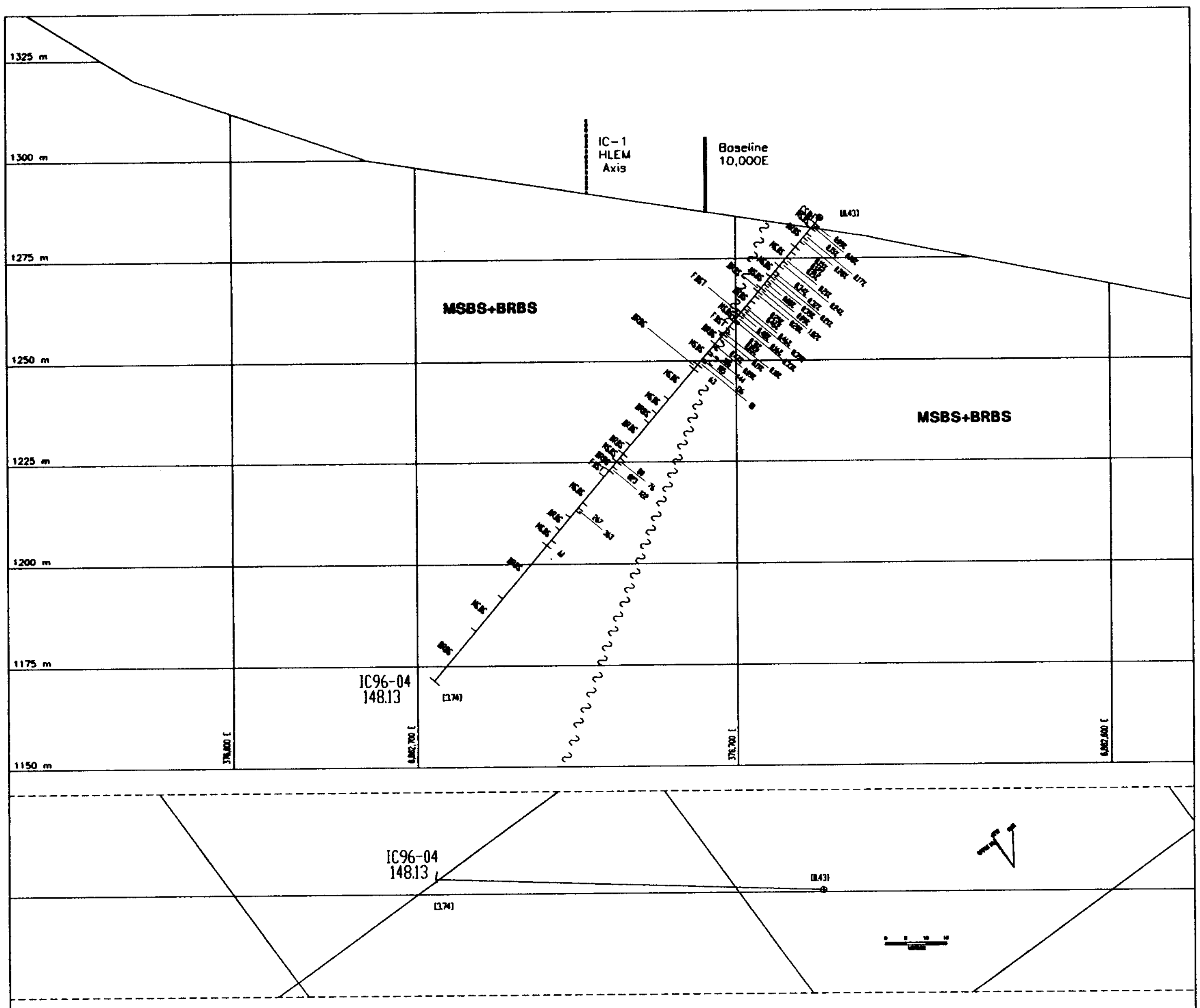
SECTION 11100 N

ICE PROPERTY

EXPATRIATE RESOURCES LTD.

FILE: IC11100N.DWG

DRAWN: LCP | PROJ: FP | DATE: 14/04/1997



LEGEND

DRILL HOLE TRACE

Rock Type — Analyses: ICP – Cu ppm; ASSAY – Cu %

projection distance — drill hole pierces plane of section

IC96-22 Drill Hole name
44.50 Total depth

Geologic contact

Fault

ROCK UNITS

CSDH	Casing
BCDH	Broken core
LCDH	Lost core
OBDH	Overburden
MSBS	Massive basalt
PHBS	Porphyritic basalt
PHBSp	Basalt with feldspar microphenocrysts
PHBSm	Basalt with mafic microphenocrysts
BRBS	Autobrecciated basalt, green or red
FFBS	Basaltic tuff
CBMS	Carbonaceous mudstone
MSCH	Dark grey to black chert
BRCH	Brecciated chert, grey to black
MSAR	Mudstone or argillite
SLST	Siltstone
PYSM	Semi-massive pyritic sulphides (10–40%)
PYMS	Pyritic massive sulphides (>40%)
HEMS	Pyritic specular hematite
MGMS	Massive magnetite, pyrite, hematite
GGST	Fault gouge
FBST	Fault breccia
QTVN	Quartz vein
EPVN	Epidote vein
CAVN	Calcite vein

Figure 20

Archer, Cathro & Associates (1981) Limited

SECTION 11150 N

ICE PROPERTY

EXPATRIATE RESOURCES LTD.

FILE: IC11150N.DWG

DRAWN: LCP | PROJ: FP | DATE: 14/04/1997

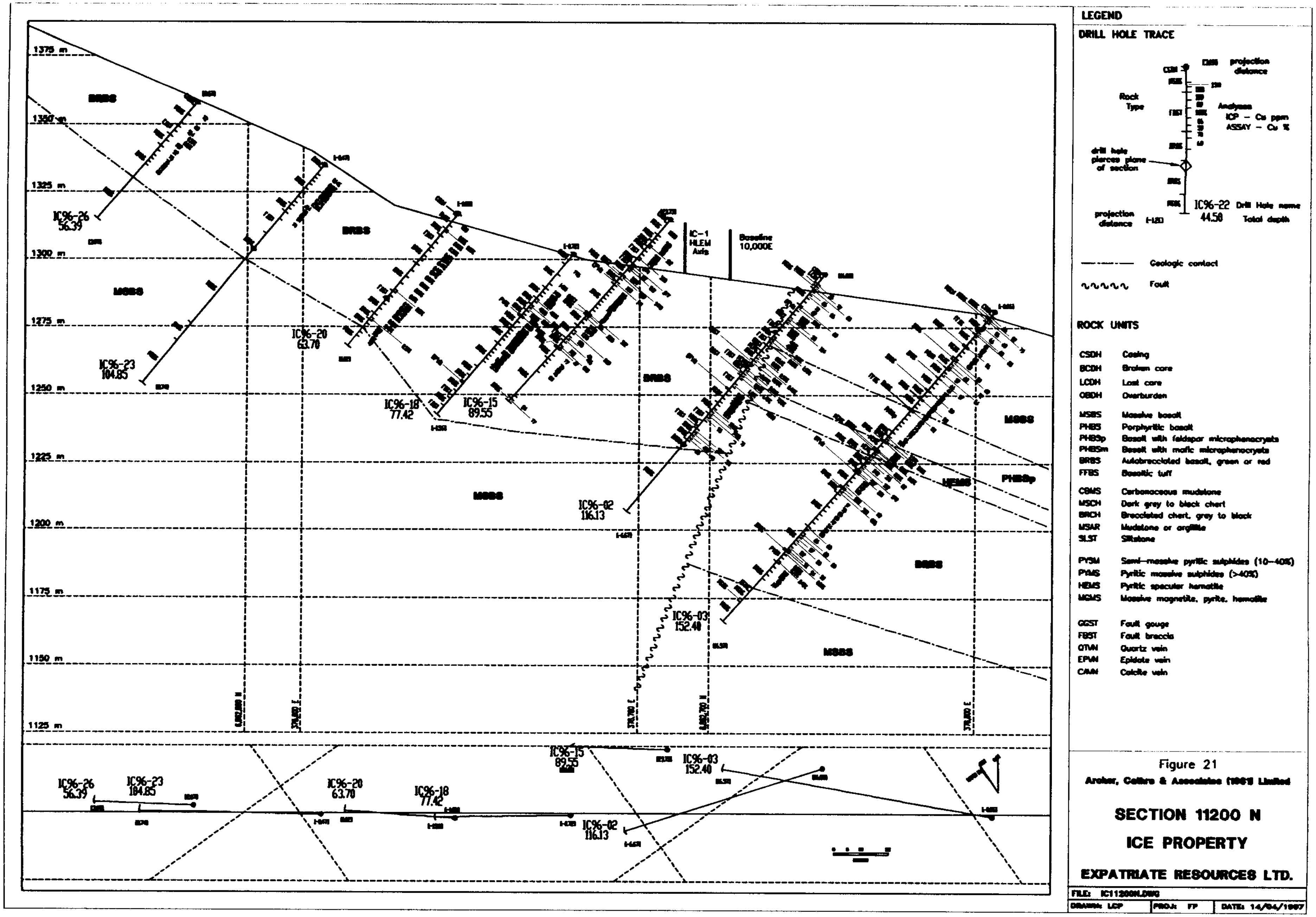


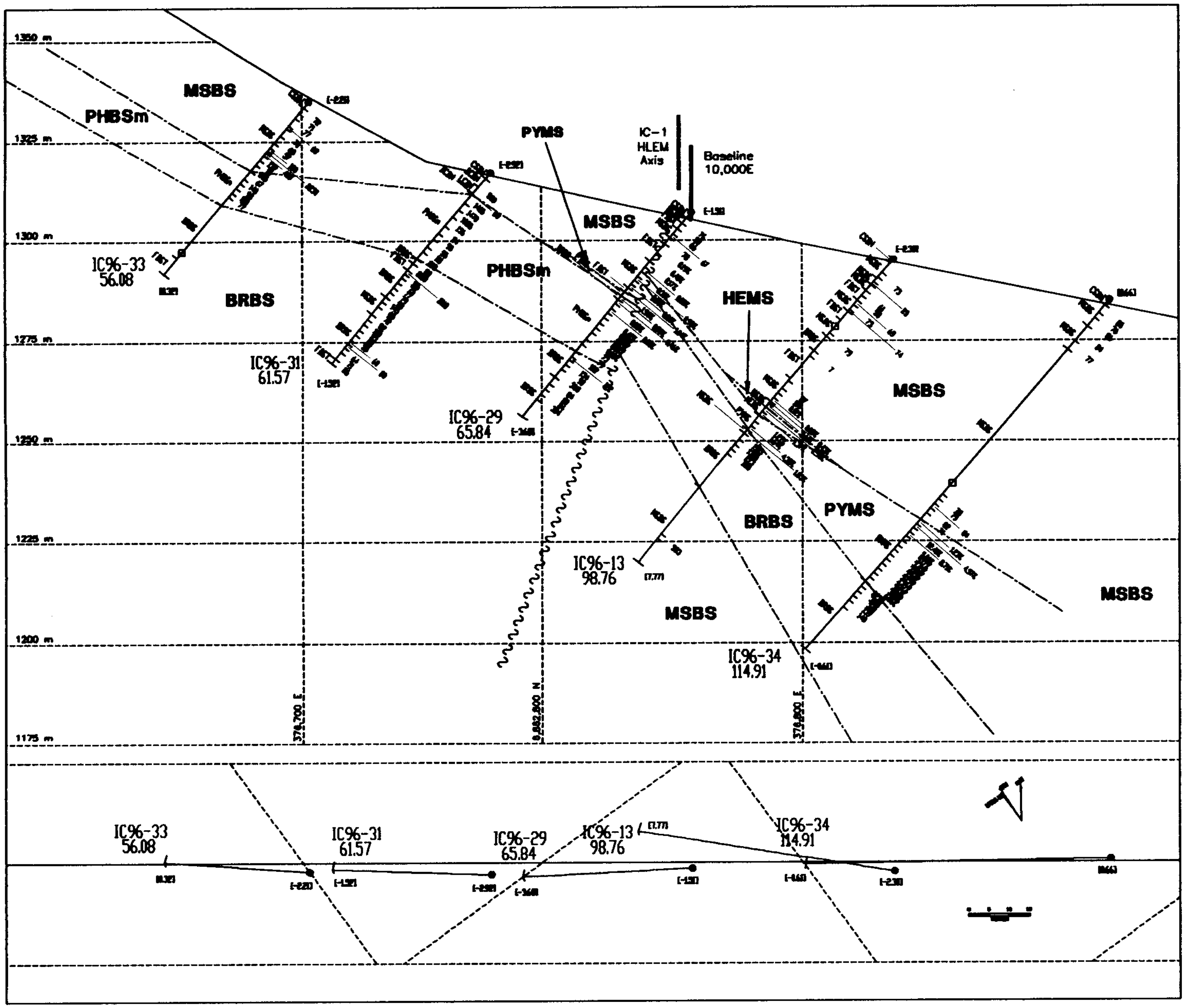
Figure 21

Archer, Cathro & Associates (1981) Limited

SECTION 11200 N

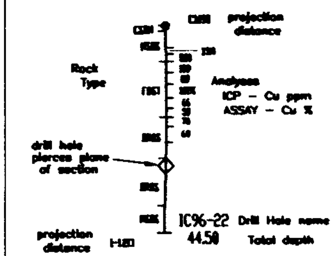
ICE PROPERTY

EXPATRIATE RESOURCES LTD.



LEGEND

DRILL HOLE TRACE



Geologic contact

Fault

ROCK UNITS

CSDH	Casing
BCDH	Broken core
LCDH	Lost core
OBDH	Overburden
MSBS	Massive basalt
PHBS	Porphyritic basalt
PHBSp	Basalt with feldspar microphenocrysts
PHBSm	Basalt with mafic microphenocrysts
BRBS	Autobrecciated basalt, green or red
FFBS	Basaltic tuff
CBMS	Carbonaceous mudstone
MSCH	Dark grey to black chert
BRCH	Brecciated chert, grey to black
MSAR	Mudstone or argillite
SLST	Siltstone
PYSM	Semi-massive pyritic sulphides (10–40%)
PYMS	Pyritic massive sulphides (>40%)
HEMS	Pyritic specular hematite
MGMS	Massive magnetite, pyrite, hematite
GGST	Fault gouge
FBST	Fault breccia
QTVN	Quartz vein
EPVN	Epidote vein
CAVN	Calcite vein

Figure 22

Archer, Cathro & Associates (1981) Limited

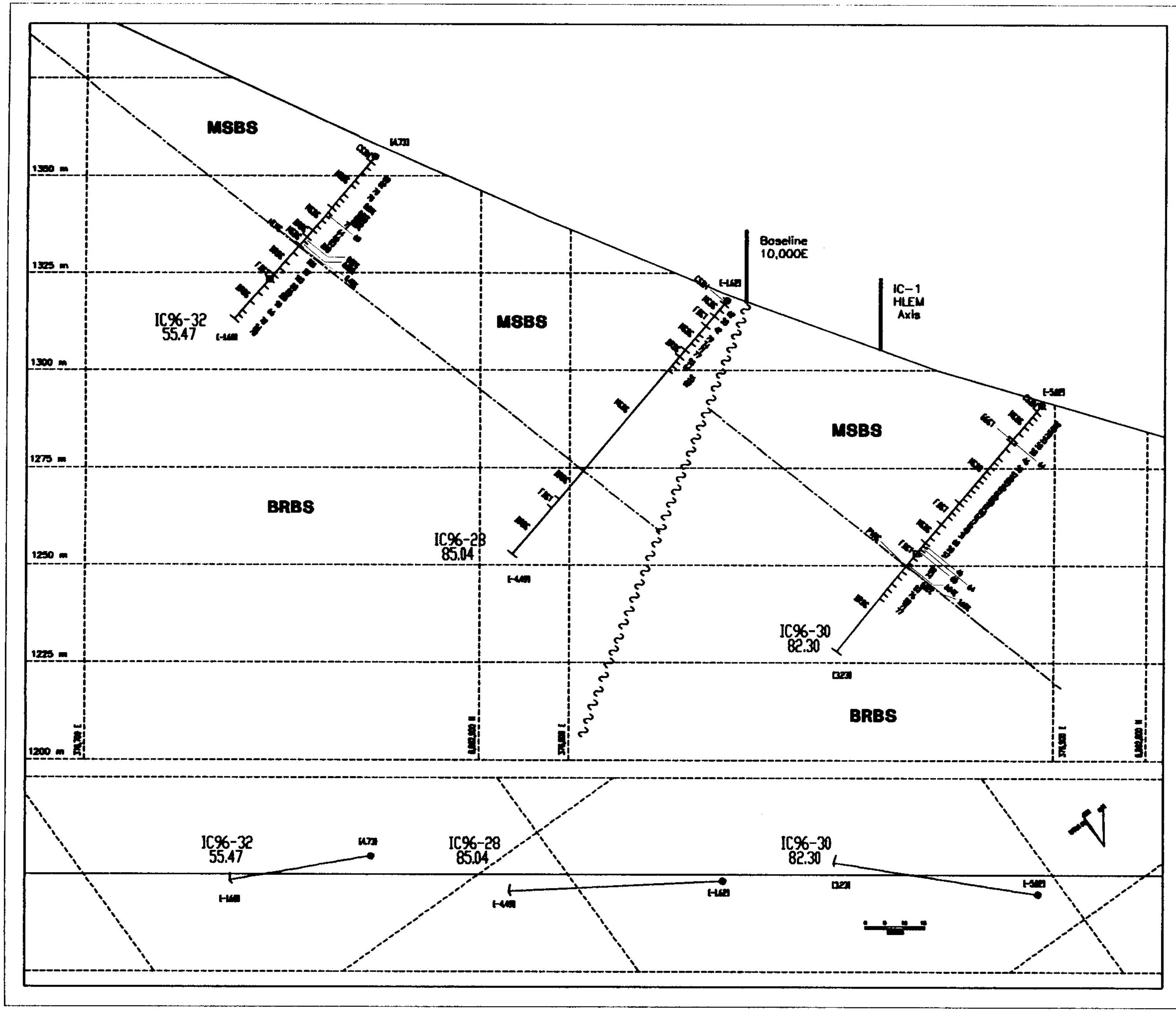
SECTION 11300 N

ICE PROPERTY

EXPATRIATE RESOURCES LTD.

FILE: IC11300N.DWG

DRAWN: LCP | PROJ: FP | DATE: 14/04/1997



LEGEND

DRILL HOLE TRACE

projection distance

Rock Type

Analyses
ICP - Cu ppm
ASSAY - Cu %

drill hole pierces plane of section

IC96-22 Drill Hole name
44.50 Total depth

projection distance

Geologic contact

Fault

ROCK UNITS

CSDH	Casing
BCDH	Broken core
LCDH	Lost core
OBDH	Overburden
MSBS	Massive basalt
PHBS	Porphyritic basalt
PHBSp	Basalt with feldspar microphenocrysts
PHBSm	Basalt with mafic microphenocrysts
BRBS	Autobrecciated basalt, green or red
FFBS	Basaltic tuff
CBMS	Carbonaceous mudstone
MSCH	Dark grey to black chert
BRCH	Brecciated chert, grey to black
MSAR	Mudstone or argillite
SLST	Siltstone
PYSM	Semi-massive pyritic sulphides (10-40%)
PYMS	Pyritic massive sulphides (>40%)
HEMS	Pyritic specular hematite
MGMS	Massive magnetite, pyrite, hematite
GGST	Fault gouge
FBST	Fault breccia
QTVN	Quartz vein
EPVN	Epidote vein
CAVN	Calcite vein

Figure 23

Archer, Cathro & Associates (1981) Limited

SECTION 11400 N

ICE PROPERTY

EXPATRIATE RESOURCES LTD.

FILE: IC11400N.DWG

DRAWN: LCP | PROJ: FP | DATE: 14/04/1997

are often only partially leached by the digestion used for ICP analysis. These elements do not include any of the metals that were the exploration targets for the program. Certificates of Analysis for drill core are in Appendix V.

Several core samples of representative rock types were forwarded to Vancouver Petrographics Ltd. for verification of mineral modes and textures. The reports (Payne, 1996a, b, and c) are included as Appendix VI. Selected core samples were also sent to Chemex Labs for XRF whole rock analysis. Certificates of Analysis for these samples are included in Appendix VII.

Results

Two main types of mineralization have been intersected in drill holes on the Ice property. The first type is primary mineralization deposited from hydrothermal solutions as horizons on the seafloor during volcanism or in open spaces sometime after the rocks were formed. The other type is secondary mineralization, all or most of which is relatively young (probably post-glacial) and is the result of oxygenated groundwater interaction with primary mineralization and wallrocks. Table 4 lists all significant intersections from the 1996 drilling with assays and descriptions of the type of mineralization present.

Primary mineralization consists mainly of pyrite and quartz but also includes specular and earthy hematite, magnetite, chalcopyrite, bornite, digenite, sphalerite and calcite. It occurs in narrow discordant veins and veinlets, in the matrix of basalt autobreccias and most importantly in at least two intervolcanic horizons. Although veins and veinlets are widespread, most contain little or no sulphide mineralization and are not of direct economic interest. Autobrecciated basalts

Table 4. Significant 1996 Drill Intersections - Ice Property

Section	Drill Hole	From (m)	To (m)	Interval (m)	Unit	Mineralization Type	Cu (%)
10950N	IC96-27	1.83	27.85	26.02	BRBS	Secondary	0.23
		**26.82	27.85	1.03			0.79
	IC96-25	1.22	23.47	22.25	MSBS/BRBS	Secondary	0.35
		**18.90	21.03	2.13			0.80
	IC96-21	3.66	24.69	21.03	BRBS/MSCH	Secondary	0.19
	IC96-01	7.62	42.06	34.44	BRBS/MSCH	Secondary	0.41
		**19.90	33.00	13.10			0.71
11000N	IC96-22	4.70	6.10	1.40	MSBS	Secondary	0.13
	IC96-17	1.22	26.52	25.30	BRBS	Secondary	0.36
		**17.07	18.59	1.52			0.53
		**22.00	23.32	1.32			1.61
	IC96-14	2.90	20.12	17.22	BRBS	Secondary	0.83
		20.12	21.34	1.22	HEMS	HEMS/Secondary	1.76
		21.34	34.44	13.10	BRBS	PYSM/Secondary	1.24
11100N	IC96-08	12.30	18.00	5.70	BRBS	Secondary	0.62
		18.00	24.08	6.08	BRBS	HEMS/Secondary	2.65
		24.08	26.50	2.42	BRBS	Secondary	3.00
	IC96-12	23.77	27.43	3.66	FBST	Secondary	0.22
	IC96-16	3.66	20.42	16.76	BRBS	Secondary	0.21
		20.42	22.10	1.68	PYMS	HEMS/Secondary	0.66
		22.10	32.00	9.90	BRBS/FBST	Secondary	1.34
	IC96-09	24.69	29.87	5.18	BRBS	Secondary	0.88
		29.87	43.50	13.63	PYMS/BRBS	HEMS/Secondary	1.46
		43.50	53.04	9.54	PYMS/FBST	Secondary/HEMS	0.88
	IC96-06	2.44	27.13	24.69	BRBS	Secondary	0.91
		**17.48	27.13	9.65			1.92
11150N	IC96-04	2.43	34.75	32.32	BRBS/MSBS	Secondary	0.20

Composites calculated using length weighting of sample intervals
** High grade interval contained within the larger composite

Table 4. cont'd Significant 1996 Drill Intersections - Ice Property

Section	Drill Hole	From (m)	To (m)	Interval (m)	Unit	Mineralization Type	Cu (%)
11200N	IC96-26	11.28	15.54	4.26	FBST	Secondary	0.26
	IC96-23	4.27	14.94	10.67	BRBS	Secondary	0.23
	IC96-20	5.49	48.20	42.71	BRBS/PHBS	Secondary	0.30
		48.20	51.10	2.90	BRBS	Primary	0.40
	IC96-18	16.16	27.03	10.87	BRBS/MSBS	Secondary	0.33
		27.03	29.70	2.67	BRBS	PYSM/Secondary	1.13
		29.70	30.24	0.54	PYMS	PYMS/Secondary	2.03
		30.24	45.42	15.18	BRBS/MSBS	Secondary	0.27
	IC96-15	1.82	7.32	5.5	MSBS	Secondary	2.03
		24.40	27.25	2.85	MSBS/GGST	Secondary	0.40
		48.46	52.05	3.59	BRBS	PYSM	0.26
	IC96-02	15.60	31.70	16.1	BRBS/GGST	Secondary	1.26
		31.70	60.20	28.5	FBST/GGST	HEMS/Secondary	1.72
		**43.59	54.55	10.96			3.36
	IC96-03	60.35	62.71	2.36	BRBS	PYSM	1.25
		117.71	122.85	5.14	BRBS	PYSM	0.35
11300N	IC96-29	10.21	25.7	15.49	MSBS	Secondary	0.36
		25.70	26.97	1.27	PYMS	PYMS/Secondary	1.99
		26.97	33.83	6.86	BRBS/PHBS	Secondary	0.39
	IC96-13	46.72	48.58	1.86	MSBS	Secondary	2.45
		48.58	51.28	2.70	HEMS	HEMS/Secondary	2.17
		51.28	55.83	4.55	PYMS	PYMS	2.25
		55.83	57.03	1.20	MSBS	Secondary	1.83
	IC96-34	72.10	92.66	20.56	PYMS	PYMS	5.20
		92.66	95.71	3.05	BRBS	Primary	0.30
11400N	IC96-30	53.77	54.00	0.23	PYMS	PYMS	1.69
	IC96-32	30.10	30.50	0.40	HEMS	HEMS	0.45

Composites calculated using length weighting of sample intervals
** High grade interval contained within the larger composite

are often enriched in iron and depleted in titanium when compared to massive basalts. The iron minerals are disseminated throughout the matrix of the breccias and appear as disseminated hematite, magnetite or pyrite. Chalcopyrite is rare and occurs as small discrete grains or intergrown with the iron minerals. Intervolcanic mineralization consists of finely disseminated pyrite and rare chalcopyrite in the 60 m thick ribbon chert horizon and various types of mineralization (including massive sulphide) in one or more horizons further up-section. The massive sulphide mineralization is the main exploration target at the Ice property and is described in detail in the following paragraphs.

The most impressive intersection came from Hole IC 96-34, the last hole of the 1996 program. It cut massive sulphide mineralization (PYMS) which averages 5.20% copper, 0.21% zinc, 0.06% cobalt, 25.1 g/t silver and 0.6 g/t gold over 20.56 m. Copper content is highest in the top half of the interval while zinc increases toward the base. Individual copper assays range up to 12.40% over 1.4 m but most are in the range of 3 to 5% as shown on Table 5. Trace element analysis indicates that the mineralization contains uncommonly low amounts of detrimental metals such as arsenic, antimony, mercury and selenium. Lead content is also low, averaging 48 ppm. Contact angles and bedding attitudes in the area suggest that the intersected interval is nearly true width. The sulphide body appears to be dipping at about 40° toward the southeast which is only 25° steeper than the slope of the overlying hillside.

Table 5: IC 96-34 Individual assay intervals - Ice property

'From (m)	To (m)	Intvl (m)	Cu (%)	Co (%)	Zn (ppm)	Ag (ppm)	Au (ppb)	SG
72.10	73.50	1.40	1.23	0.08	388	1.5	240	3.61
73.50	74.70	1.20	4.97	0.07	514	4.2	190	3.61
74.70	76.10	1.40	12.40	0.15	470	62.0	480	4.37
76.10	77.42	1.32	8.71	0.13	538	52.4	650	4.01
77.42	78.94	1.52	5.06	0.07	2350	31.0	520	3.97
78.94	80.47	1.53	9.17	0.02	756	49.6	400	3.97
80.47	81.99	1.52	3.45	0.03	430	21.0	540	3.96
81.99	83.52	1.53	3.84	0.07	392	38.0	1000	4.07
83.52	85.04	1.52	3.52	0.05	418	27.1	670	3.51
85.04	86.56	1.52	3.67	0.03	1450	21.0	660	4.06
86.56	88.09	1.53	4.47	0.03	6250	20.1	650	4.10
88.09	89.61	1.52	3.03	0.02	9870	19.4	670	4.04
89.61	91.14	1.53	3.88	0.03	3890	23.1	710	4.03
91.14	92.66	1.52	6.06	0.06	914	35.6	880	4.07
*72.10	92.66	20.56	5.20	0.06	2104	25.1	599	3.96

*composite calculated using length weighting of sample intervals

SG - specific gravity

The mineralized interval in Hole IC 96-34 consists of continuous massive sulphides except for a 50 cm thick pyritic basalt flow, dyke or slump block near the middle of the interval. The sulphides are dominated by relatively coarse-grained subhedral to euhedral pyrite intergrown with chalcopyrite, bornite, digenite and sphalerite. No cobalt minerals have been identified and it is likely that the cobalt is in solid solution within the pyrite (Payne, 1996c). There is no mineral banding or replacement textures. The only noteworthy features are clasts and veins which can be used to distinguish three generations of mineralization. The oldest sulphides are in subrounded to subangular, 1 mm to 10 cm in diameter clasts comprised of fine- to coarse-grained pyrite with minor dark grey cherty quartz. The clasts comprise up to 90% of the rock in some sections. A few red hematitic chert clasts up to 1 cm in diameter were also noted. The second phase is copper-rich consisting of pyrite, bornite, chalcopyrite and digenite in a clear quartz and calcite gangue. This phase forms a coarse-grained matrix around the clasts. The youngest sulphides are found in up to 4 mm wide veinlets containing coarse chalcopyrite and bornite often with quartz and calcite. The total quartz content in petrographic samples locally ranges up to 55% and averages about 15%.

The contacts between the sulphides and adjacent wallrocks are sharp and are marked by 5 to 10 cm thick hematitic chert bands which resemble the clasts observed within the massive sulphides. Rocks in the hanging wall are typically homogeneous basalt with occasional narrow veinlets of calcite and quartz. Footwall rocks are similar but contain abundant fractures filled with dark green chlorite and minor earthy hematite. There are no sulphide bearing quartz veins or breccias that could be interpreted as a feeder zone to the massive sulphide horizon.

Thinner intersections of massive sulphide (PYMS) and semi-massive sulphide (PYSM) mineralization was intersected up-dip on Section 11300N and on adjacent sections. The lack of information concerning the direction and magnitude of fault offsets makes correlation between horizons uncertain. The massive sulphides in Hole IC 96-13 closely resemble those in IC 96-34 except that they are partially oxidized and do not contain bornite or digenite. This intersection is only 45 m away and has already thinned to 4.5 m. More distal PYMS and PYSM intersections are even thinner, typically 0.3 to 1.5 m. Most contain coarse subhedral to euhedral pyrite with trace to minor chalcopyrite in a quartz-rich gangue. Cobalt and zinc contents are similar to those in Hole IC 96-34 but precious metal contents are low. Many of the intersections were obtained near surface and are overprinted with secondary mineralization, including chalcocite rimming primary sulphides.

Several drill holes intersected dark reddish grey, fine-grained, noncalcareous, bedded specular hematite containing disseminated euhedral to subhedral pyrite grains with minor chalcopyrite (HEMS). This unit locally ranges up to 2 m in thickness. Pyrite content is variable and the unit is likely a gradational facies equivalent of the sulphide-rich horizons. Petrography on one HEMS sample described specular hematite plates disseminated in a matrix of fine-grained quartz (Payne, 1996a). Locally HEMS contains autobrecciated basalt clasts in a fine-grained, reddish brown hematitic matrix.

Hole IC 96-3 cut a thick section of reddish basalt containing pervasive finely disseminated earthy hematite. This intersection is located beneath the zone of near surface oxidation and is probably a primary feature. It occurs at approximately the same stratigraphic level as the massive sulphides in Hole IC 96-34 and may be a wallrock diluted facies equivalent.

Secondary mineralization includes minerals precipitated in open fractures and others which have wholly or partially replaced primary sulphide minerals. The most common secondary minerals are limonite, hematite, cuprite, malachite, azurite, black copper oxides, native copper and chalcocite. In some areas primary sulphide mineralization has been oxidized to form secondary minerals in situ. Elsewhere the copper has been leached away in acidic groundwater during oxidation producing copper-depleted limonite boxwork. When the acidic copper bearing groundwater moved away from the source it was gradually neutralized by reaction with calcite in the basalt wallrocks, resulting in precipitation of cuprite, malachite, azurite, black oxides or native copper depending upon chemical conditions at the site of precipitation. Occasionally the copper bearing groundwater encountered primary sulphide horizons and chalcocite was formed on the rims of the sulphide grains. Secondary mineralization is confined to the zone of near surface weathering which typically ranges between 5 and 50 m below surface.

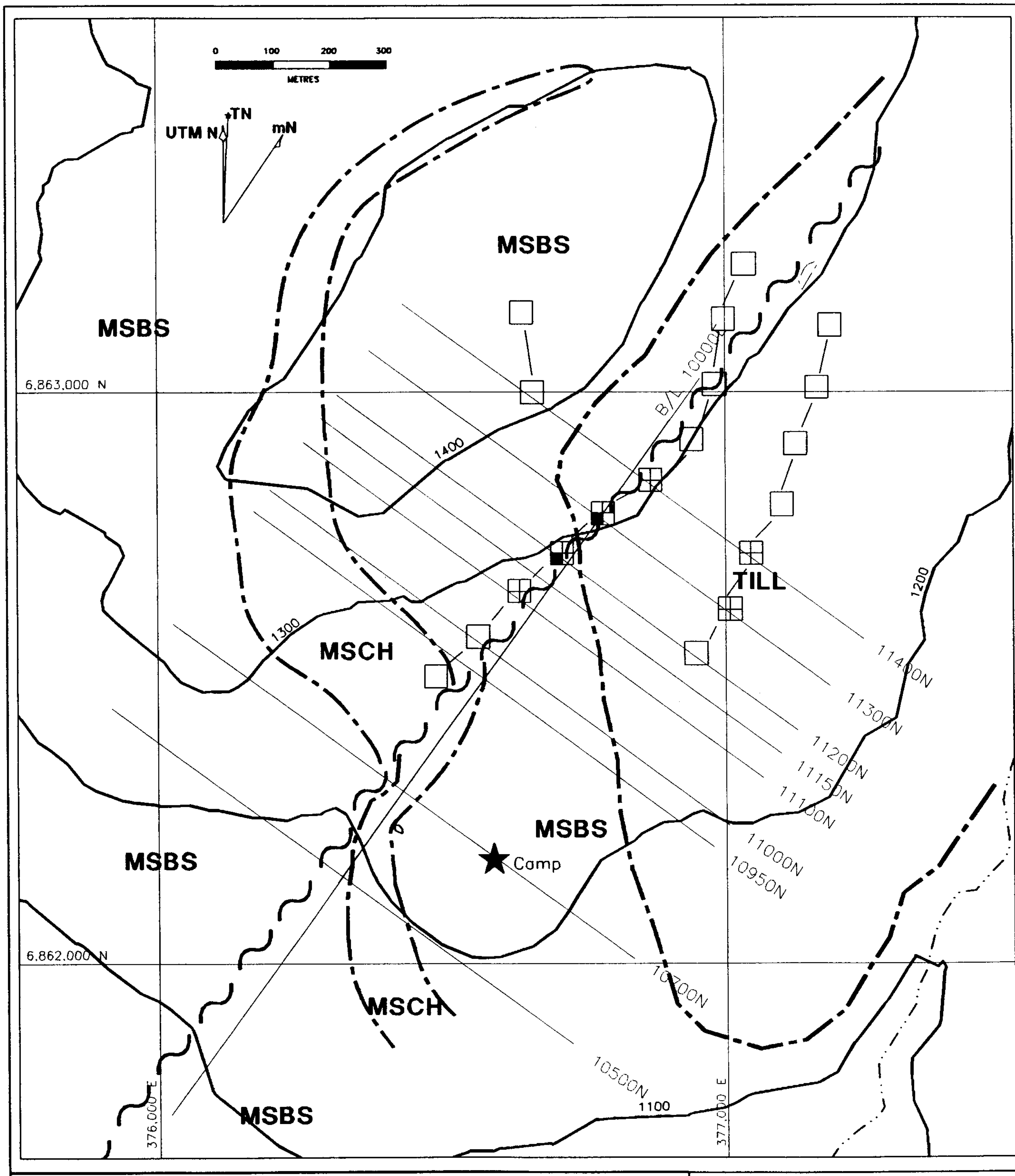
Fracture controlled secondary mineralization occurs in all basalt and chert units. It is often horizontally and vertically zoned with malachite and azurite on the margins and near surface giving way to cuprite and native copper toward the centre and deeper in the system. The secondary copper minerals normally co-exist with orange-brown earthy limonite but toward the base of the zone native copper is found with dark red hematite. Native copper is the most difficult secondary mineral to log because it usually occurs as fine grains which form a black oxide coating within a day of being cored.

Significant secondary mineralization has been intersected in a zone that is 350 m long and up to 150 m wide. Grades for predominantly fracture filling mineralization range between 0.3 and 1.5% copper with relatively low values for all other metals. In areas where the secondary mineralization overprints primary mineralization, grades are slightly higher at 1.5 and 2.5% copper with local enrichments up to 8.2%. Copper appears to be the only metal whose distribution is strongly affected by secondary remobilization.

PROPERTY GEOPHYSICS

Ground geophysical surveys were conducted over the entire cut grid. The HLEM survey was done on three frequencies with 100 m coil separation which theoretically can detect conductors up to 50 m below surface. The lower frequencies outlined two weak to moderate conductors, the strongest of which starts at Line 10950N, cuts through the area of surface mineralization and continues north to Line 11800N (Figure 24). The core of this conductor is on Lines 11200N and 11300N directly above the massive sulphide mineralization in Holes IC 96-02 and -13. The other conductor parallels the first about 250 m to the east and has not yet been drill tested. Although both conductors approximately coincide with recessive topographic linears and may be related to faults, they are more likely caused by sulphides because the faults extend well beyond the conductors. The relatively weak electromagnetic response can be explained by three factors. First, most sulphide horizons intersected near surface are narrow and partially oxidized. Second, the thick section of unoxidized massive sulphides in Hole IC 96-34 is capped by about 70 m of barren basalt which is beneath the depth limitation of the survey. Finally, the massive sulphide horizons contain at least 15% silica which encapsulates sulphide grains, greatly reducing conductivity.

The total magnetic field ground survey produced considerable relief. Areas underlain by basalt are characterized by high magnetic field response while areas underlain by chert and shale are much less responsive. Magnetite and pyrrhotite have not been observed in mineralized horizons intersected to date. However, a float boulder of limonite boxwork found near the discovery showing contained abundant magnetite along with copper. Thus, it is possible that



TILL	Glacial till cover
MSBS	Massive and autobrecciated basalt
MSCH	Dark grey to black, ribbon bedded chert
— — —	Geologic contact
∼ ∼ ∼	Fault
———	Drill grid cross section line
□—□	HLEM Conductor axis

Figure 24

Archer, Cathro & Associates (1981) Limited

HLEM RESULTS

ICE PROPERTY

EXPATRIATE RESOURCES LTD.

FILE: ICGEOPH.DWG

DRAWN: LCP | PROJ: FP | DATE: 21/05/1997

some magnetic highs without corresponding HLEM conductors could be caused by deeply oxidized, massive sulphide horizons of this type.

The Dighem^{V} airborne survey showed that "there are many anomalies in the survey block which are typical of massive sulphide responses" (Dighem, 1997). In general serpentinized ultramafics yielded the strongest magnetic response while large areas of chert and shale were least magnetic. Both exhibited relatively low resistivity and numerous strong conductors. Areas underlain by basalt produced a moderate magnetic signature with relatively high resistivity and weak conductors.

The conductor outlined by the HLEM survey directly over the Ice Deposit was also detected by the airborne survey. It coincides with a moderate resistivity low which is part of a zone that extends from the drill area about 4 km along strike to the north. A number of other similar resistivity anomalies are associated with basalt elsewhere on the property. None of these targets has been prospected or tested by geochemistry.

DISCUSSION AND CONCLUSION

The Ice Deposit appears to have significant economic potential both as a stand-alone operation and because of its regional implications. Based on the metal signature and its relationship to the enclosing basaltic wallrocks, the deposit is categorized as Cyprus-type volcanogenic massive sulphide (Franklin, 1996). This type of mineralization forms along fissure zones in active spreading centres and is found where ocean floor has been obducted. The classic type deposits are in the eastern Mediterranean while some of the best Canadian examples are located in Newfoundland. Most are lower grade than the mineralization discovered in Hole IC 96-34 but the Tilt Cove Deposit in Newfoundland produced 8,165,000 tonnes grading about 6.0% copper (Strong and Saunders, 1988; Franklin, 1996).

Mineralization in Cyprus-type deposits can be confined to a single lens but often occurs as a string of lenses along an elongate fissure zone. Volcanism within spreading centres is usually intermittent and fissures are often reactivated, producing mineralized horizons at more than one stratigraphic level. Tectonic activity coupled with volcanism typically results in rapid facies changes. Fortunately rocks in the vicinity of the Ice Deposit are not highly deformed so it should be possible to identify significant depositional features and alteration zones associated with the feeder system. The horizon which hosts the massive sulphide mineralization intersected in Hole IC 96-34 is open along strike and downdip and there are indications of other intervolcanic horizons (notably the ribbon chert horizon) with potential to host additional sulphide lenses. The absence of an underlying feeder zone in Hole IC 96-34 is encouraging because the thickest concentration of sulphides and the highest grade mineralization are usually found directly above the vent.

The grade and nature of sulphide mineralization intersected in Hole IC 96-34 are exceptionally favourable when compared to other VMS deposits. The coarse grain size, presence of high grade copper minerals and absence of detrimental metals should mean that a clean, high value concentrate can be produced. The potential value of by-products such as gold, silver, zinc and cobalt cannot be determined until zoning within the deposit is defined and metallurgical tests are done. The dip of the mineralization relative to the overlying hillside indicates that at least part of the zone is suitable for open pit mining while the thickness of the zone coupled with competent wallrock suggests that relatively low cost underground mining could be conducted if required.

The zone of secondary copper mineralization almost certainly was formed by oxidation of one or more massive sulphide lenses. No area of leached mineralization has been discovered that could have provided the amount of copper contained in the secondary zone. The source probably lies uphill to the northwest or up-ice under glacial till to the northeast. Additional drilling is required to test these hypotheses and to accurately define the size and grade of the secondary zone.

Information available to date suggests that the zone of secondary mineralization is well suited for open pit mining coupled with solvent extraction/electrowinning metallurgy. Although the zone is likely too small and low grade for a stand-alone operation it would certainly be of interest if infrastructure were built to develop a sulphide deposit.

Respectfully submitted,

Archer, Cathro & Associates (1981) Limited

W.D. Eaton, B.A., B.Sc.

L.C. Pigage, Ph.D., P.Geo.

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APPENDIX I

AUTHORS' STATEMENTS OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, W. Douglas Eaton, geologist, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia and residential address in North Vancouver, British Columbia, do hereby declare that:

1. I graduated from the University of British Columbia in 1980 with a B.Sc. majoring in Geological Sciences.
2. From 1971 to present, I have been actively engaged in mineral exploration in British Columbia and Yukon Territory and on June 1, 1981, I became a partner in Archer, Cathro & Associates (1981) Limited.
3. I have personally participated in or supervised the field work reported herein and have interpreted all data resulting from this work.
4. I own 407,500 shares of Expatriate Resources Ltd. and have options to purchase 76,500 shares at $4.14/share until March 26, 2001 and 25,000 shares at $4.06/share until January 31, 2002.

W. Douglas Eaton, B.A., B.Sc.

STATEMENT OF QUALIFICATIONS

I, Lee C. Pigage, am a resident of the Yukon Territory, living at 2 Rosewood Place, Whitehorse, Yukon Y1A 4X3.

I graduated from the University of Wyoming in 1970 with a B.Sc. in Geological Sciences.

I graduated from the University of British Columbia in 1973 with a M.Sc. in Geological Sciences.

I graduated from the University of British Columbia in 1979 with a Ph.D. in Geological Sciences.

I have worked in economic geology and the mining industry continuously since 1979.

I am a Fellow in the Geological Association of Canada.

I am a Professional Geoscientist (#21130) registered with the Association of Professional Engineers and Geoscientists of the Province of British Columbia (APEGBC).

I personally participated in and supervised the geologic mapping and drilling for the project described in this report.

I do not have any investment interest in any of the quartz claims covered in this report.

Lee C Pigage

Lee C. Pigage, Ph.D., P.Geo.
May 27, 1997

APPENDIX II

GROUND TOTAL MAGNETIC FIELD AND HLEM SURVEY OF PROPERTIES IN THE FINLAYSON ALLOCHTHON, YUKON TERRITORY BY C.C. LEE AND M.A. POWER, DECEMBER 6, 1996

EXPATRIATE RESOURCES LTD.

GROUND TOTAL MAGNETIC FIELD AND HLEM SURVEY OF PROPERTIES IN THE FINLAYSON ALLOCHTHON, YUKON TERRITORY

Part I of 3 - Text

M.A. Power M.Sc. P. Geo.

and

C. C. Lee B.Sc.

PROPERTIES

LEAGUE
ICE
BREAKAWAY
REF1
REF2
REF3
BUZZER
SLAPSHOT
HAT TRICK

Centred at: 61° 30' N 130° 30' W
NTS: 105 G / 115 J
Mining District: Watson Lake, YT
Date: December 6, 1996

SUMMARY

During the period May 31 to August 28, 1996, Amerok Geosciences Ltd. conducted ground horizontal loop electromagnetic (HLEM) and total magnetic field surveys on the following properties held by Expatriate Resources Ltd. in the Finlayson Allochthon:

Property	Surveys performed
League	HLEM / magnetic field
Ice	HLEM / magnetic field
Breakaway	HLEM / magnetic field
Ref 2	HLEM / magnetic field
Hat Trick	HLEM / magnetic field
Slapshot	HLEM / magnetic field
Ref 1	magnetic field
Ref 3	magnetic field
Buzzer	magnetic field

On the League Property, the surveys located a wide, high conductance target which is discordant with respect to the strike of local rocks units and follows a magnetic field low for a portion of its length. This conductor appears to be a graphite-bearing fault.

On the Ice Property, the surveys identified two main conductors which appear to be faults. The magnetic field survey was useful in delineating several different rock units. One conductor appears to define the location of oxide mineralization and two anomalous responses along this conductor may arise from current channelling at depth.

On the Breakaway Property, the surveys identified 4 conductors, three of which appear to be faults. Conductor BR-2 is concordant with respect to the local geology, has a high conductance and an associated positive magnetic response. It appears to be a target of merit.

On the Ref 2 Property, the surveys identified a narrow concordant conductor with an associated positive magnetic response. It also appears to be a target of merit.

On the Hat Trick Property, surveys located a conductor coincident with the recessive trend hosting the anomalous geochemical response and the mineralized bedrock. A second conductor occurs to the west in 3 faulted(?) segments and contains an intersection of interest with an associated positive magnetic anomaly.

On the Slapshot Property, no significant anomalies of interest were located.

On the Ref 1 Property, a weak northwest striking positive magnetic anomaly was defined by the magnetic field survey.

On the Buzzer Property, a strong positive magnetic anomaly was located on the extreme northeast corner of the grid.

On the Ref 3 Property, a magnetic field high was located in the west-central portion of the grid.

Detailed discussions of anomalies of interest are included in descriptions of the results from each property.

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1.0 INTRODUCTION

Amerok Geosciences Ltd. was retained by Expatriate Resources Ltd. to conduct ground total magnetic field and horizontal loop electromagnetic field (HLEM) surveys on properties held by the company in the Finlayson Allochthon in the south central Yukon Territory. The surveys were conducted in June through August, 1996 in support of an exploration program for volcanogenic massive sulphide deposits. This report is intended as a summary technical report from which extracts may be taken to incorporate into formal assessment reports for each property described.

The geophysical surveys were performed on the following properties:

Property	Surveys performed
League	HLEM / magnetic field
Ice	HLEM / magnetic field
Breakaway	HLEM / magnetic field
Ref 2	HLEM / magnetic field
Hat Trick	HLEM / magnetic field
Slapshot	HLEM / magnetic field
Ref 1	magnetic field
Ref 3	magnetic field
Buzzer	magnetic field

This report consists of two parts. Sections 2.0 through 6.0 descriptions of the grids and grid registration procedures, HLEM and magnetic field theory, common survey procedures, and a description of the common data formats and presentation layouts. Sections 7.0 through 16.0 are descriptions of the data and results for each property. Appended to the end of this report in pockets are plots of the results for each property, grouped by property.

2.0 GRIDS AND GRID REGISTRATION

The geophysical surveys were conducted over grids centred on favourable geology or promising geochemical or airborne geophysical responses. The grids normally consisted of a cut slope corrected base line and cut, slope chained (not slope corrected) survey lines. Maxmin surveys were performed on slope chained survey grids while some magnetometer surveys were conducted over slope corrected soil geochemical grids. Most of the grid stations were picketed with tagged and flagged survey lathe and should be recoverable for several years hence.

All geophysical survey data in this report has been registered in Universal Transverse Mercator coordinates to the 1927 North American Datum (NAD27). This geodetic datum was used in the construction of available NTS topographic maps and while it has been superseded by NAD83, it remains the most useful datum for field work in this area of the Yukon. Points on most of the grids were surveyed with Trimble Geo-Explorer differential global positioning system (DGPS) receivers. These receivers record the detailed orbital records of the GPS satellites used in a location determination and correct these records for dithering and propagation delay errors using records from a stationary base station GPS receiver. The manufacturer asserts that horizontal locations can be determined to within ± 3 m using these instruments. On other grids, best estimates of the location of key points were made using non-differential GPS receivers or using topographic maps.

Three different registration procedures were used depending upon the available survey data. In some cases, only one DGPS location was available and in this case the surveyed location coupled with the measured base line azimuth was used in the registration. In cases where two widely separated points on a base line were DGPS surveyed, these were used to position the base line and to determine it's true azimuth. Lastly, on one grid, a detailed grid map had been prepared showing the relative location of the survey lines and several points were surveyed-in with DGSP. In this situation, the grid was first digitized and then translated and rotated to a position which best-fit the available DGSP data.

The calculation of UTM coordinates was performed using one of two methods. If the available survey data consisted of one DGPS point and a base line azimuth or of two widely separated DGPS points, the following procedure was used. This procedure consists of three steps:

1. Assign the location of the known survey point on the grid as the local origin and express the location of all points on the grid relative to this new local origin:

$$x' = x - x_o$$

$$y' = y - y_o$$

2. Using the known azimuth of the base line in UTM coordinates (ϕ), rotate the

grid so that the coordinates are correctly oriented with respect to the local origin. The new location of the grid points, rotated relative to the local origin, is (x", y"):

$$x''=x'\cos\phi-y'\sin\phi$$

$$y''=y'\cos\phi+x'\sin\phi$$

3. Finally, translate the grid to the UTM coordinates of the registration point (UTME, UTMN) to determine the UTM coordinates of any point on the grid (x_{UTM} , y_{UTM}):

$$x_{UTM}=x''+UTME$$

$$y_{UTM}=y''+UTMN$$

In the situation where the grid had been digitized and then best-fit to several DGPS points, the following procedure was used:

1. Determine the location of the end points of each line and the point of intersection between the survey line and the base line by reading off the coordinates from the digitized grid map. These are fixed registration points.

2. Interpolate the location of the stations between the registration points using the UTM coordinates of each of the two registration points at either end of the line segment.

All grid registration was performed using a spread sheet computer program.

3.0 HLEM THEORY AND INTERPRETATION PROCEDURES

The horizontal loop EM method is well described in standard texts such as Telford *et. al.* (1990) and Ketola and Puranen (1967). This section summarizes the key features of the HLEM method and describes the interpretation algorithms used in this survey program.

The HLEM method involves the use of a pair of separated horizontal coils (Figure 1). Most commonly, the surveys are conducted in the frequency domain. In this method, a sine wave of variable frequency is sent through one of the coils to create a time-varying vertical magnetic dipole source. The second coil is a receiver which detects both the primary signal from the transmitting coil and a secondary signal created by magnetic induction in a conductive target in the earth. There are two variants of the method in the frequency domain are the Slingram or conventional HLEM method and the Genie method.

The Slingram method (normally referred to as HLEM) requires that a sample of the transmitted signal be sent along a wire to the receiver where it is used to synchronize the phase of the receiver with the transmitter. This permits the receiver to remove the effect of the transmitter signal (primary field) and to split the remaining secondary field into two components. One component represents the portion of the secondary field which is synchronized or in-phase with the primary field (in-phase component). The second component is the portion of the secondary field which lags the primary field by one quarter cycle (90°) (quadrature component). The ratio of the in-phase to quadrature components is used to determine the electrical conductance of a target.

HLEM instruments remove the primary field from the signal to leave only the secondary field. By convention, a secondary field in the same direction as the primary field is recorded as positive while a secondary field in the opposite direction to the primary field is recorded as negative. HLEM data is commonly plotted as profiles with the reading plotted at the midpoint between the transmitter and receiver. The reason for this is that the response from a steeply dipping conductor, the most common target of this method, is strongest when the two coils straddle the conductor. Normally, the in-phase response is plotted as a solid line and the quadrature response as a dashed line.

The HLEM response of a flat lying body is shown in Figure 2(a). Magnetic field lines (flux) are directed primarily into the region beneath the transmitter loop. Lenz's Law dictates that the induced secondary field will oppose the primary field. Consequently, at the receiver, both the primary and secondary field will be in the same direction. As a result, the response from a flat lying conductor consists of a positive response over the target. At the edge of the conductor, there is a negative response which occurs when both coils are straddling the edge of the conductor. When either the transmitter or receiver coil is over the edge of the conductor, there is no secondary field and the response is zero. As the depth to the flat lying conductor increases, the strength of the response is attenuated. The effective depth of investigation of the HLEM method for flat lying conductors is approximately 1.5 times the coil spacing.

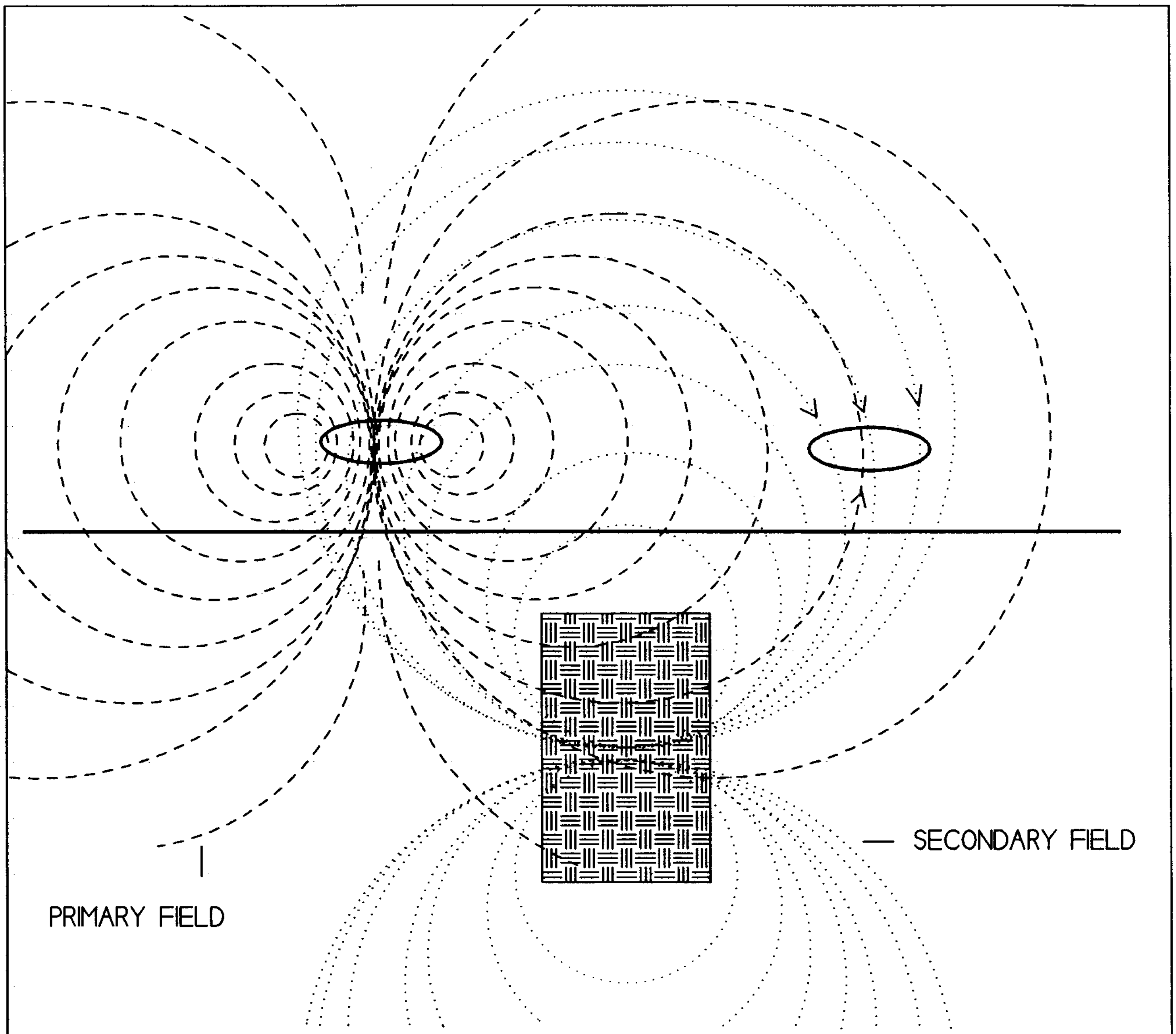


Figure 1. HLEM source field. The field from the transmitter loop produces an oscillating vertical magnetic dipole. This induces a secondary field in a conductive body in the earth. At the receiver coil, both the primary field and secondary field are received.

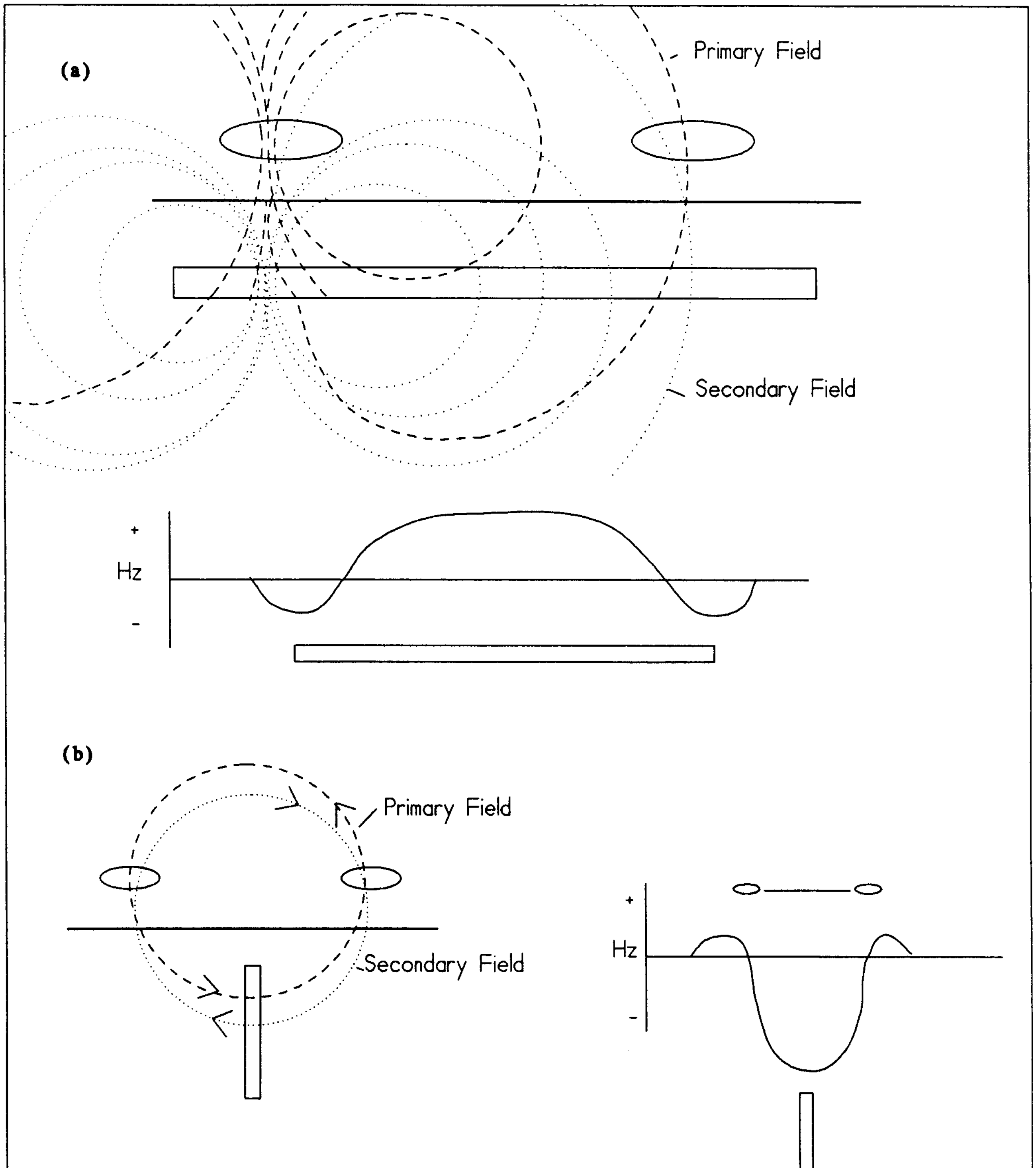


Figure 2. HLEM responses. (a) Response over a flat lying conductor consists of a positive response. (b) Response over a dipping conductor consists of a negative response.

The HLEM response of a steeply dipping conductor is shown in Figure 2(b). Field lines from the transmitter are horizontal at a point midway between the two coils and in this orientation, cut the conductor at right angles creating the best coupling. Lenz's Law dictates that the secondary field will oppose the primary field and at the receiver coil, the secondary field is in the opposite direction to the primary field. As a result, the response when profiling over a steeply dipping conductor consists of a trough with peak negative value occurring when the coils straddle the conductor. The flanking positive peaks result from induction effects as the pair of coils are close to but not straddling the conductor. When either of the coils is directly over the target, the response is zero because the primary field is not well coupled with the target (ie it is perpendicular to the edge of the conductor) and little secondary field is created.

A dipping tabular conductor can be specified by the dip and dip direction, depth to top, target width and electrical conductance (conductivity thickness product or σt). The effect of varying these parameters is shown in Figure 3 for the case of a response from a single isolated HLEM conductor. Asymmetry in the positive shoulders indicates the dip direction and the ratio of the positive shoulder responses can be used to estimate the dip (Figure 3(a)). The strength of the response is largely determined by the depth to the top of the conductor. Increasing the depth to the top of the conductor decreases the amplitude of the response but does not otherwise change the shape of the response (Figure 3(b)). The effective depth of investigation of the HLEM method for steeply dipping targets is approximately one half the coil spacing. If the conductor is wide, the location of the zero crossovers, normally equal to the coil spacing, will increase. If the width reaches approximately one half the coil spacing, the trough of the response for shallow targets will start to deflect slightly to the positive. If the width of the target approaches that of the coil spacing, the positive return in the trough will be apparent at any depth to target (Figure 3(c)). As noted above, the electrical conductance controls the ratio of the in-phase to quadrature response. Weak targets show only a quadrature response. As the target conductance increases the strength of the in-phase component will increase. Very high conductance targets are characterized by strong in-phase responses and weak to very weak quadrature responses (Figure 3(d)).

Interpretation procedures for HLEM data are dependent upon the model to which the data is to be fitted. In most cases, the characteristic shape of the response will dictate the likely overall geometry of the source and thus the model to which the response should be fitted. Flat lying targets can be directly modelled with computerized calculations of target responses. Dipping tabular body responses on the other hand cannot be numerically modelled and must either be approximated through finite-element models or interpreted using characteristic curves. Characteristic curves for tabular dipping conductors incorporate several key features of the responses described in Figure 3 into simple charts. These responses are derived from model experiments. The ratio of positive shoulders responses and the ratio of in-phase to

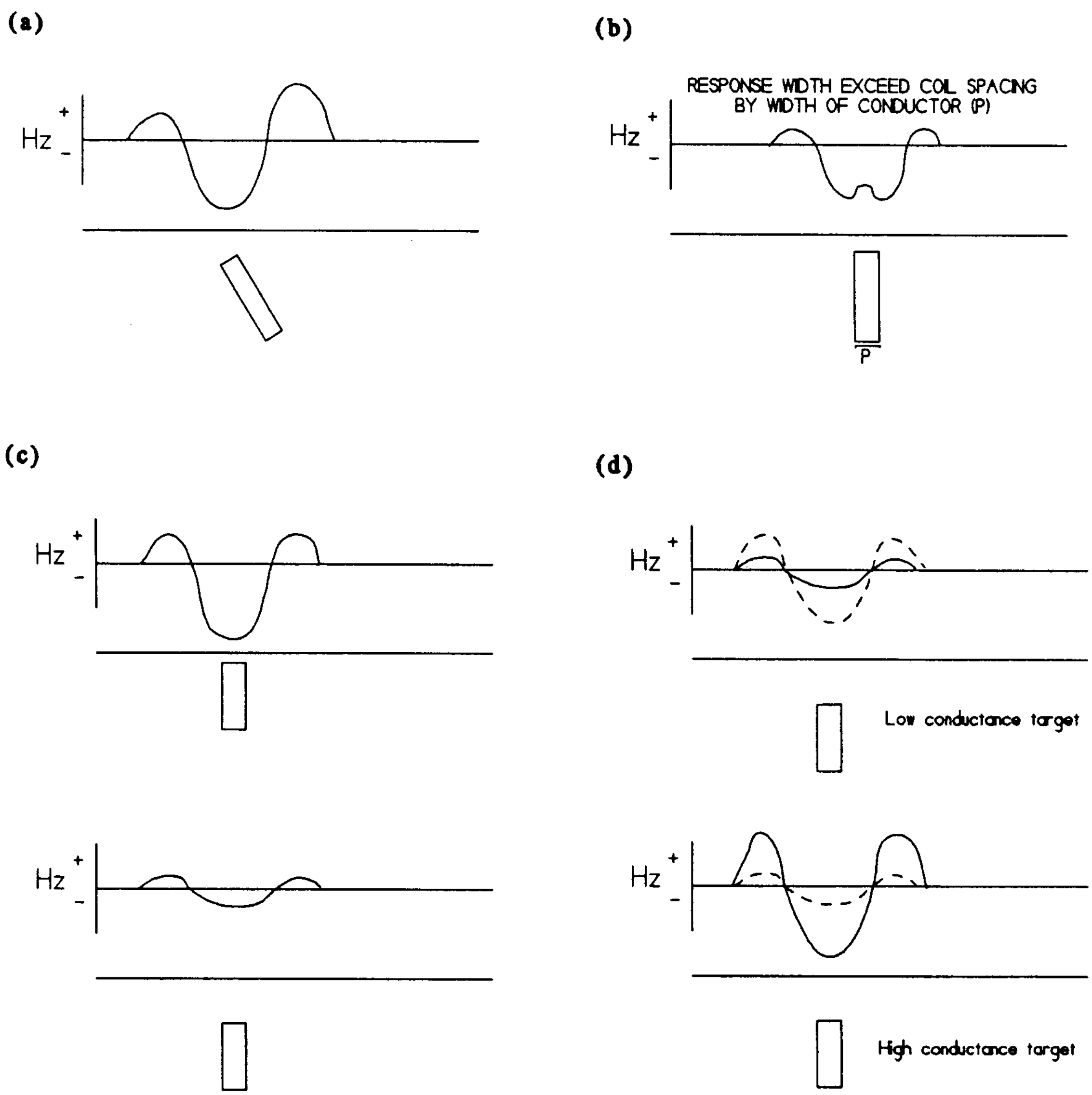


Figure 3. HLEM response of dipping tabular conductors. (a) Effect of dip on HLEM response. (b) Effect of depth. (c) Effect of conductor width. (d) Effect of conductance.

quadrature peak negative values are the commonly used features of the response. An example of these charts is shown in Figure 4.

The data contained in this report was interpreted using characteristic curves developed by Ketola and Puranen (1967). The procedure, normally done by hand, has been automated in proprietary software (MMPLOT) developed by Amerok Geosciences Ltd. The characteristics of each response are entered into a computer program which creates a batch plotting file. The data is plotted directly on a CADD diagram with each of the characteristic curves on a different layer. The operator is able to quickly match the data to the curve which best fits the data by selecting different characteristic curves (ie. by changing layers). Where the data falls between two curves, the conductance and depth to top parameters can be interpolated but the dip cannot be reliably interpolated.

4.0 MAGNETIC FIELD INTERPRETATION PROCEDURES

Magnetic field anomaly interpretation was performed with SAKI, a program to forward model the 2.5D response of magnetic bodies of arbitrary prismatic cross section developed by the United States Geological Survey. The program uses semi-automated Marquardt inversion to calculate the anomalies associated with bodies of finite strike length. The program was tested by the one of the authors (M.Power) against analytical solutions to simple anomalies and produced accurate results.

5.0 SURVEY PROCEDURES

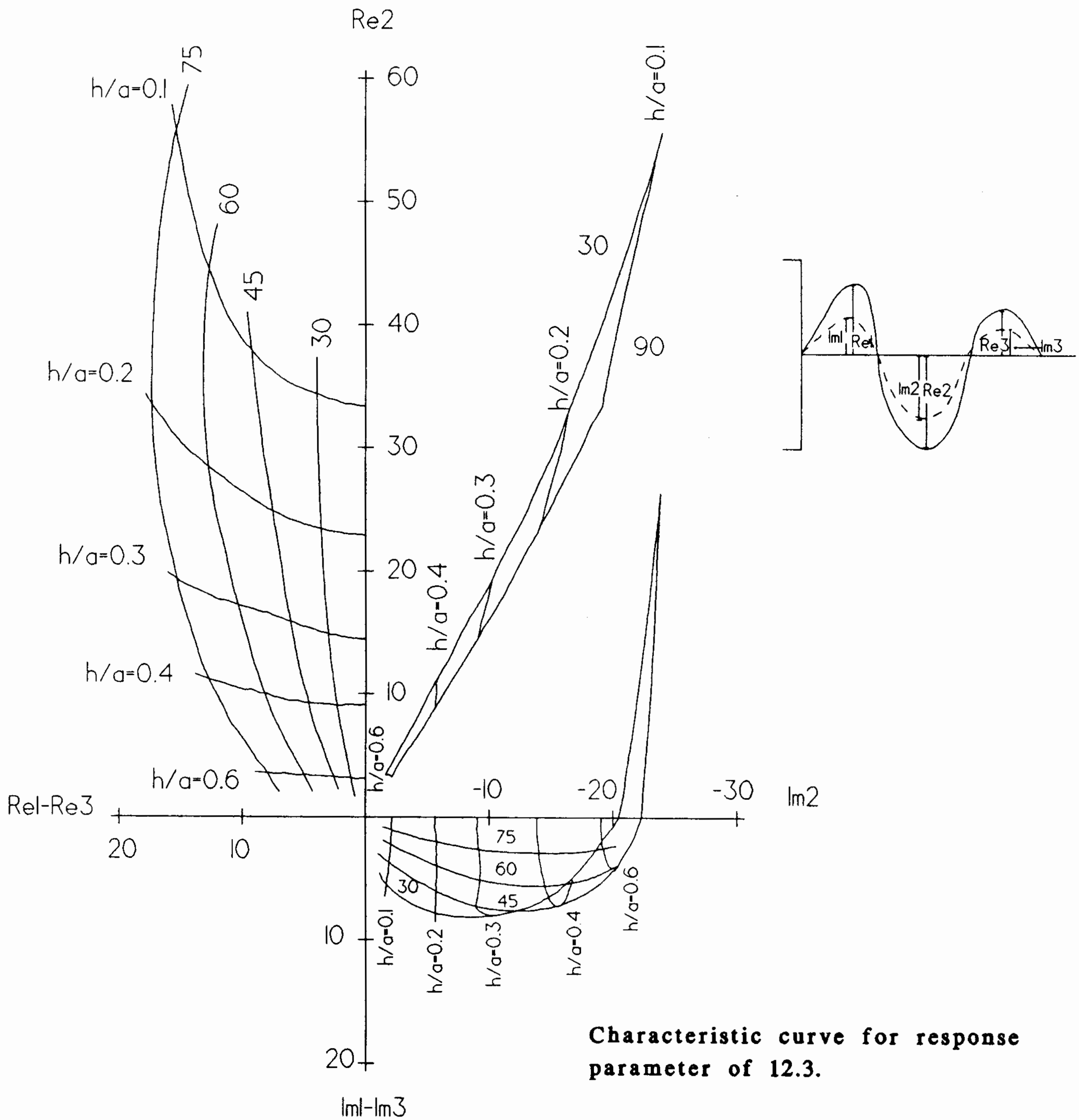
The geophysical surveys were performed with the following instruments:

HLEM instruments

Apex Parametrics Maxmin I-9 with attached MMC (datalogger/computer). This instrument operates at 110, 220, 440, 880, 1760, 3520, 7040, 14,080 and 28,160 Hz. Cables at lengths of 50, 100 and 150 m were used in the surveys.

Magnetic field instruments

2 Omni Plus proton precession magnetometers, 1 Omni IV proton precession magnetometer.



Characteristic curve for response parameter of 12.3.

Figure 4. Characteristic curves for a dipping tabular conductor from Ketola and Puranen (1967). Critical measurements of the response shown in the upper right are extracted and plotted to determine the geometry and conductance of the target.

Other

P-75 laptop computer, Fujitsu colour printer, Trimble Scout non-differential GPS. All data was processed and plotted in GEOPAK.

The HLEM surveys were performed using the 100 m cable and frequencies of 220, 880 and 3520 Hz on the first pass. Detailed surveys were performed over anomalies of interest using 50 and 150 m coils and the same frequencies. Readings were taken at 25 m stations except on detail surveys with 50 m coils where readings were taken every 12.5 m. The HLEM method requires that the coils be held a constant distance apart and be coplanar. In steep irregular terrain, the coils will frequently be less than the nominal coil spacing (short coiling) and may not be coplanar. These variations in coil geometry produce strong in-phase errors and must be removed from the data before plotting and interpretation. The method used to mitigate these effects requires a slope chained grid and requires the operator to measure the station to station terrain slope in percent with a clinometer. This is normally done by the receiver operator who was in the lead position on most surveys. The correct slope required to maintain the coils coplanar is the arithmetic average of the station to station slopes in the interval between the two coils. The operators hold the coils coplanar during the surveys by holding their coils at this orientation which is calculated and displayed for each reading station by the Maxmin MMC. The effect of short coiling created by irregular topography was removed with Apex Parametrics data processing software (MMCFIX1). The numerical method is described in Varre (1990)(pp AII-3-4).

The magnetic field surveys were conducted using a 12.5 m station spacing. The base station magnetometer was synchronized with the field units daily, prior to the surveys and cycled at 15 to 20 s during the surveys. Corrections to the field data for temporal geomagnetic variation during the surveys were performed either by on-board software or, after dumping, by computer software. When a grid was surveyed with the base station in more than 1 location, the data sets were levelled by surveying a common interval, calculating the mean difference between the two data sets and applying the appropriate correction to one data set to level it to the other.

6.0 DATA PRESENTATION AND FORMATS

Digital data is appended to this report in ASCII XYZ format. Each file has a header on the first line showing the data contained in the columns beneath. For the magnetic field data, the common format is:

Line Station UTM_Easting UTM_Northing Corr_mag

For the HLEM data, the common format is:

Line Station UTM_Easting UTM_Northing 220IP 220Q 880IP 880Q 3520IP 3520Q

Corr_mag denote total magnetic field data corrected for diurnal variation. xxxIP and xxxQ denotes in-phase and quadrature components at the prefixing frequency in percent of the vertical primary magnetic field (H_z).

HLEM data is displayed in stacked profile plots showing the survey grid and the in-phase and quadrature readings as solid and dashed line profiles. The zero level on each profile is coincident with the survey line and the direction of the positive response is shown by an arrow near the grid and diagrammatically in the legend. Where possible, a scale of 10% H_z per cm was used in the plotting. The locations of the grid lines have been registered to UTM coordinates with the best data available at the time of writing and UTM registration marks are shown on both HLEM and magnetic field plots . Along the grid lines, the small tick marks show the station locations and every 100 m is indicated by a larger tick. On some plots, alternate station ticks were suppressed by the plotting software. The north arrow in each plot indicates grid north. Conductors of interest are indicated with symbols at each intersection. All anomalies were interpreted as thin tabular conductors unless otherwise indicated. The squares indicating an anomaly are filled where required to indicate the calculated target conductance. Calculated depth to the top of the conductor and any excess width in the response which might indicate a wide target are shown numerically on opposite sides of the anomaly symbols. Conductor axes formed by linking similar line-to-line responses are indicated by thick dashed lines.

Total magnetic field data is displayed in colour contoured maps. These show the locations of the grid lines, marked in the same fashion as in the HLEM plots and contoured values of the total magnetic field. Superimposed on this is a full colour contour plot and any HLEM conductor axes.

8.0 ICE PROPERTY

Ground total magnetic field surveys and horizontal loop electromagnetic field surveys were conducted on the Ice Property. The surveys were conducted by C.Lee / B. Spaurel (June 14, 1996), I. Jackisch/ P.Chidgzey (Jul 23,24, 1996), C.Lee / R. Kamnitzer / R.Austin (Aug 5-9, 1996) and M.Power / W. Cuthbertson (Aug 20, 21, 27, 1996).

8.1 Survey specifications

A cut grid consisting of 21.6 line-km with a base line azimuth of 36° was centred over a strong copper geochemical anomaly associated with the Ice Deposit. Survey lines were straight chained (not slope corrected) and picketed with survey lathe. The base line was slope corrected. The magnetic field and HLEM surveys covered 21.5 line-km of this grid. The surveys were conducted using the standard specifications described in section 5.0. No detail surveys were conducted.

8.2 Data

The survey grid location was registered to UTM NAD27 coordinates using the differential GPS location of two widely separated points on the base line.

Copies of the digital data are appended to this report in the standard format. Plots of the data collected are contained in the back pockets of this report in the ICE section. The following figures display the data collected on this property:

Figure	Location	Description
IC-1	Pocket	Total magnetic field colour contour map.
IC-2	Pocket	Maxmin I-9 / 220 Hz -100 m coils stacked profiles
IC-3	Pocket	Maxmin I-9 / 880 Hz - 100 m coils stacked profiles
IC-4	Pocket	Maxmin I-9 / 3520 Hz - 100 m coils stacked profiles
IC-5	Report	Magnetic field source model - Line 11100N

On each of these figures, the location of holes drilled as of the date of this report are shown together with the outline of the area containing oxide copper mineralization. Hole 34 intersected significant massive sulphide mineralization; it is located on line 11300N at 10300E.

The HLEM data shows some frequency invariant responses along lines 10700N and 10600N which may be caused by poor coil control or by nearby magnetic sources. The rest of the HLEM data is relatively quiet with some quadrature noise attributed to conductive overburden. The magnetic field data contains a number of isolated high amplitude, short wavelength "bull's eyes" attributed to magnetic surficial magnetic material, possibly within overburden. In addition, the contouring algorithm has generated several spurious bull's eyes between the survey lines; these are an unavoidable artifact of the splining process used to interpolate the grid values and should be ignored.

8.3 Results and Interpretation

The HLEM survey located three anomalies labelled **IC-1** to **IC-3**. These anomalies are in the north half of the grid and, with the exception of **IC-3,** are orthogonal to the survey lines. Anomaly **IC-1** extends from line 10900N to 11800N and defines the axis of the zone of oxide copper mineralization. Anomaly **IC-2** is parallel to and 200 m grid east of **IC-1**. Anomaly **IC-3** is a short two line anomaly which would ordinarily not be of interest but for its location near the zone of oxide copper mineralization. These anomalies are discussed in turn.

Anomaly **IC-1** is a 900 m long, north trending HLEM anomaly. The responses changes character moving north along strike from a strong in-phase and quadrature response to a weak quadrature response and appears to terminate at line 11800N. Interpreted conductor parameters for the section between lines 11100N and 11400N are summarized below:

Apex location	**Depth to top (m)**	**Dip / dip direction**	**Excess width (m)**	**Conductance (S)**
L11100N 9950E	not interpreted	not interpreted	50	0.36
L11200N 9950E	20	not interpreted	50	1.9
L11300N 10000E	20	75-90° grid east	20	1.9
L11400N 10000E	18	vertical	0	<0.36

Conductances were calculated using the 3520 Hz responses. The error in conductance is in the order of 5 S. The thin dipping dike model may be inapplicable to responses on lines 11100N through 11300N because of the apparent excess width in the responses. The determination of dip and dip direction is complicated by the nearby response on **IC-2**. Along much of their length, the adjacent positive shoulders of the responses interfere with one another, preventing an accurate determination of conductor parameters. The response on line 11200N is anomalously strong and falls of the characteristic curves in two quadrants. This suggests that current gathering and signal enhancement may be occurring in this conductor. If this is the case, the calculated conductance may be two low because of phase shifting associated with current gathering.

Anomaly **IC-2** extends from line 11200N to 11800N, roughly parallelling **IC-1**. The response consists of a weak quadrature response with an associated in-phase response on lines 11300, 11400 and 11800N. Interpreted conductor parameters for intersections on lines 11300N and 11400N are summarized below:

Apex location	**Depth to top (m)**	**Dip / dip direction**	**Excess width (m)**	**Conductance (S)**
L11300N 10300E	30	30-45° west	45-75	<0.36
L11200N 10300E	20	not interpreted	10-40	<0.36

Conductances were calculated using the 3520 Hz responses. The error in conductance is in the order of 5 S but the very weak in-phase responses suggest that the target has a low conductance (<1 S). The dip estimate on line 11300N is probably invalid because of interfering responses from **IC-1**. Along much of their length, the adjacent positive shoulders of the responses on **IC-1** and **IC-2** appear to interfere with one another, preventing an accurate determination of conductor parameters.

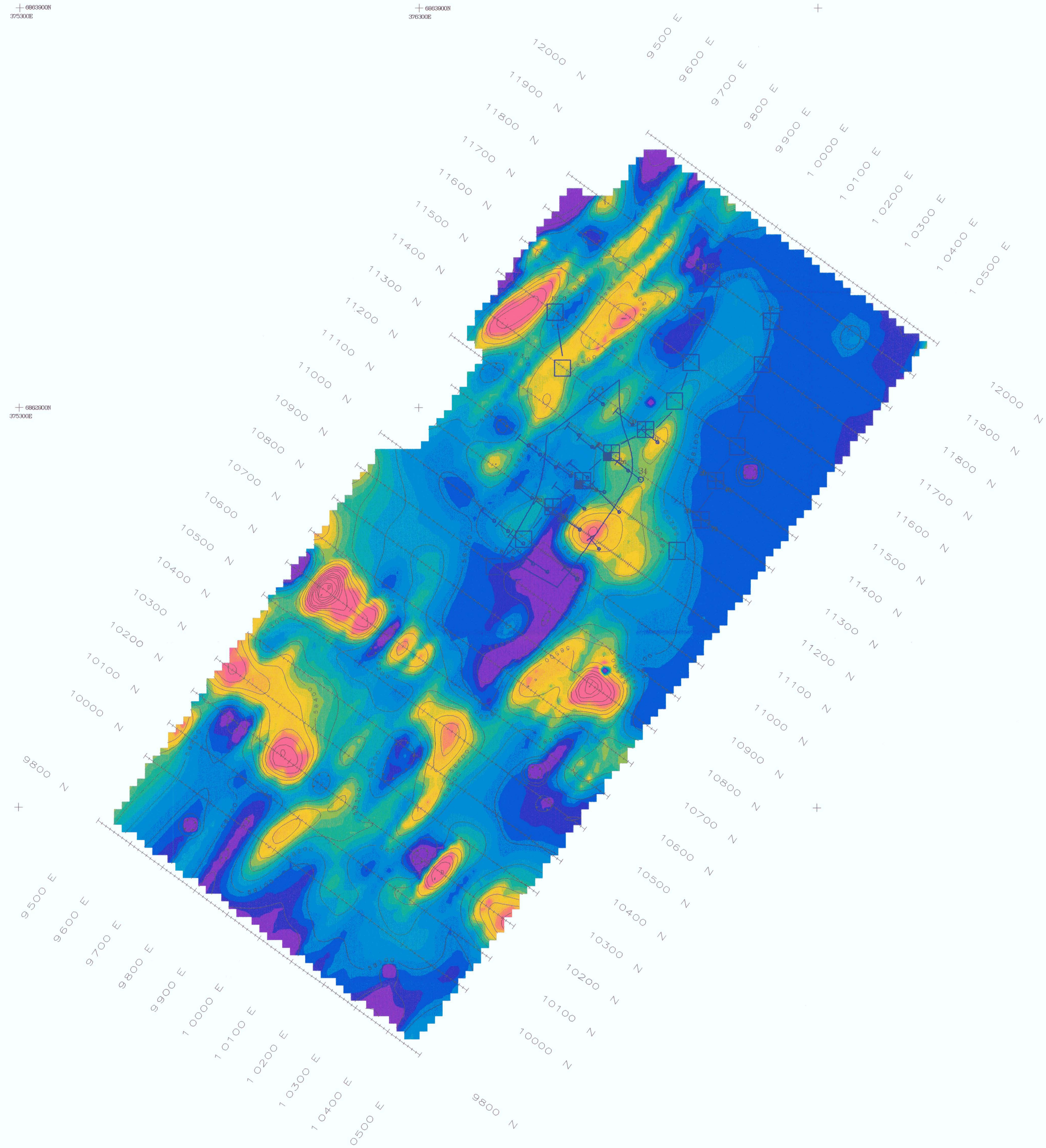
Anomaly **IC-3** consists of a two-line weak quadrature anomaly (3520 Hz) which would ordinarily not be of interest but for the fact that it occurs on the northwest flank of the zone of oxide copper mineralization. This zone is open on this flank and appears to trend towards this anomaly. Since oxide copper mineralization is associated with a similar but stronger anomaly to the southeast (**IC-1**), this anomaly is of interest despite its weak response. The source conductor appears to be steeply dipping with an electrical conductance of less than 1 S.

The magnetic field data shows considerable relief. Regions underlain by ultramafic rocks and basalt are characterized by high magnetic field responses and regions underlain by a chert unit are characterized by a low magnetic field response. The magnetic field data has been interpreted to define, in part, a pair of faults coincident with HLEM conductors **IC-1** and **IC-2**. The magnetic response on line 11100E was modelled with SAKI and the best-fit forward model is shown in Figure IC-5. While this response is not an especially close match to the field data, it does indicate the source of several features of the response. The model consists of a 100 m wide (perpendicular to section) magnetic slab dipping at a shallow angle with edges at 10000E and 10300E. The magnetic trough on the west end of the slab is caused by induction effects at the edge of the larger body to the west of the magnetic slab. The modelling appears to indicate that a block faulted slab of ultramafic rock with edges coincident with **IC-1** and **IC-2** could be the source of the magnetic anomaly. This suggests that the source conductors for **IC-1** and **IC-2** are possible faults.

Geological data available to the authors indicate that the zone of oxide copper mineralization occurs in a fault-controlled series of fractures centred on **IC-1**. The zone of oxide copper mineralization is described as steeply dipping and flaring out near surface. Twenty metres of primary massive sulphide mineralization dipping at approximately 45° to grid east was encountered at a depth of approximately 40 m in hole 34. The massive sulphide intersection is approximately 60 m grid east of the axis of **IC-1** and 50 m grid east of the indicated edge of the conductor. Responses on line 11200 and 11300E do not completely match those expected of a thin steeply dipping dike model. On line 11200E in particular, the response is anomalously strong. It is possible that **IC-1** indicates the location of the leading edge of a deeper, shallow dipping conductor, at least along 11200E where the response differs significantly from that expected of a thin dipping dike target (eg. a fault).

8.4 Conclusions

Conductor **IC-1** is coincident with the zone of oxide copper mineralization outlined to date by drilling. This conductor appears to be a wide, weakly conductive fault zone. The anomalous response on line 11200E may be caused by more than one conductor and does not completely fit the dipping dike model. The increased strength of this response may be due to current channelling. The drill hole data and magnetic models of the source of the anomaly between **IC-1** and **IC-2** suggest that conductor **IC-1** may be a useful marker in locating massive sulphide mineralization at depth. **IC-1** may indicate the upper edge of a fault-bounded block of mafic to ultramafic rock containing the massive sulphide mineralization intersected in hole 34. The zone of oxide copper mineralization is open along strike to the northwest and conductor **IC-3** may indicate a possible extension of this zone.



LEGEND
Conductance (3520 Hz)

〉 50 S
20 – 50 S
5 – 20 S
1 – 5 S
〈 1 S
CONDUCTANCE UNKNOWN
CONDUCTOR AXIS

Depth (m) 20
50 Excess width (m)

Area of oxide mineralization and drill holes outlined in purple

N

58780.00
58730.00
58680.00
58630.00
58580.00
58530.00
58480.00
58430.00
58380.00
58330.00
58280.00
58230.00
58180.00
58130.00
58080.00
58030.00
57980.00

CONTOUR INTERVAL: 100 nT

0 metres 200

SCALE: 1:5000

EXPATRIATE RESOURCES LTD.

ICE PROPERTY

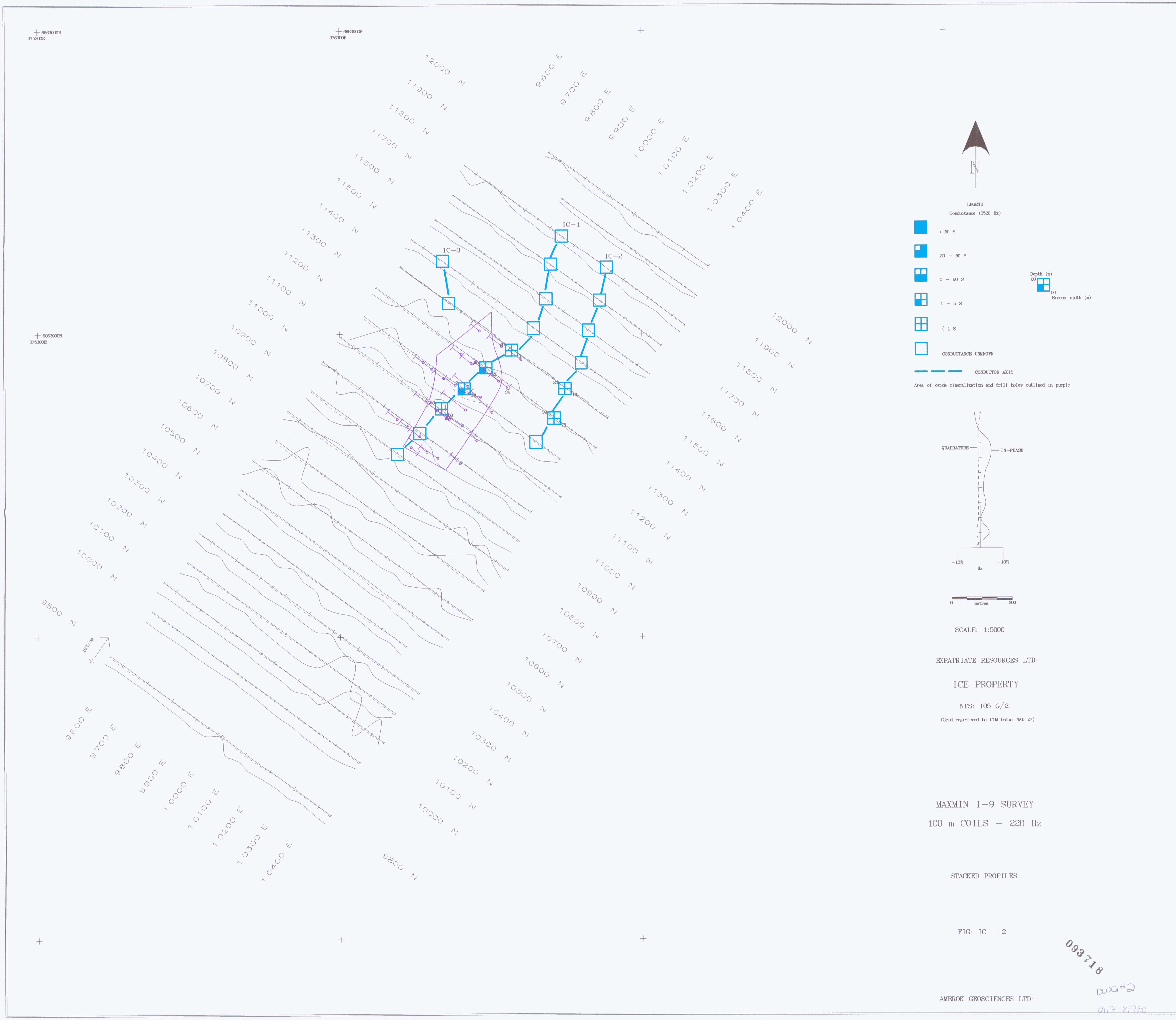
NTS: 105 G/14
(Grid registered to UTM Datum NAD 27)

TOTAL MAGNETIC FIELD SURVEY

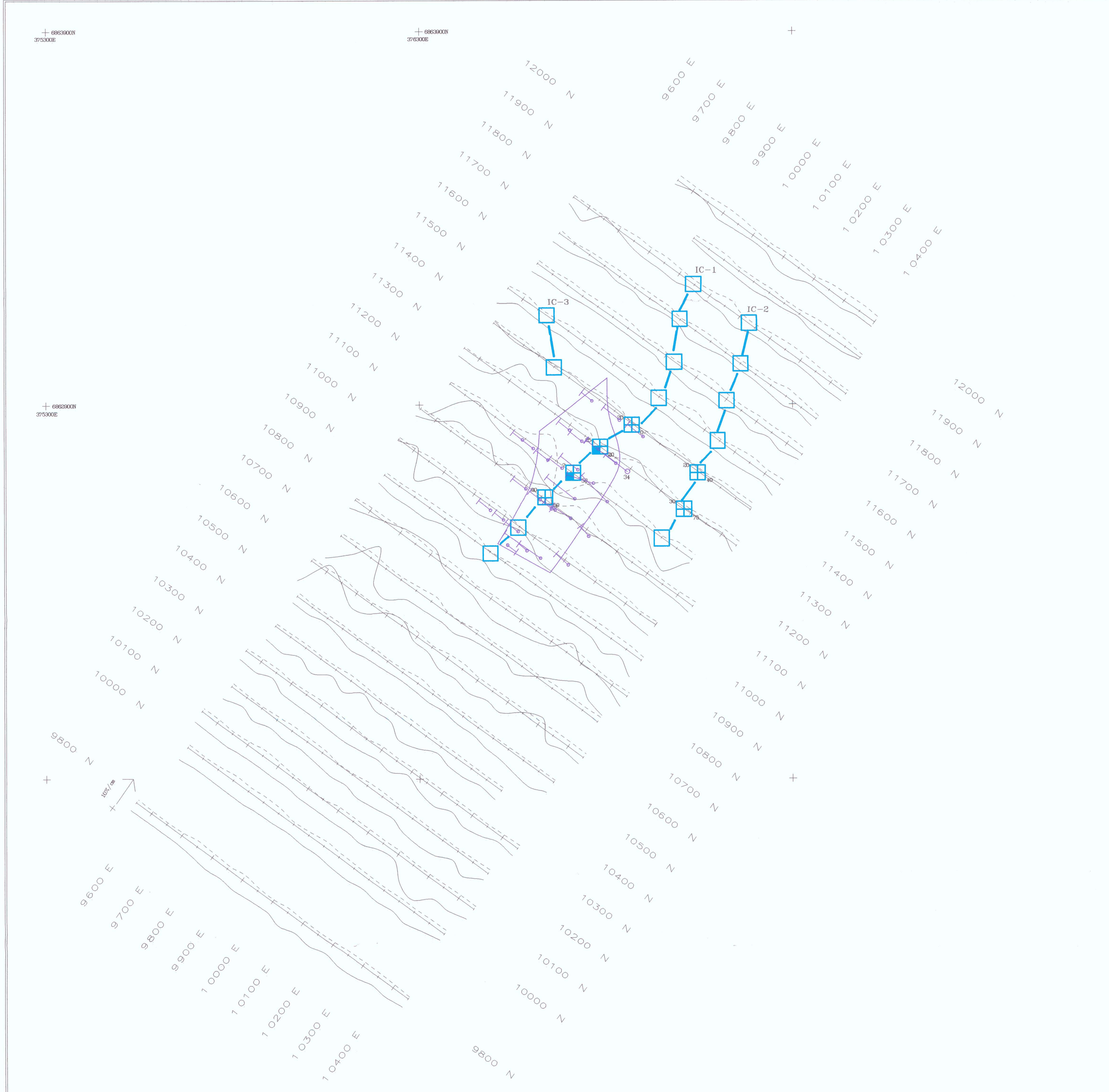
CONTOUR MAP

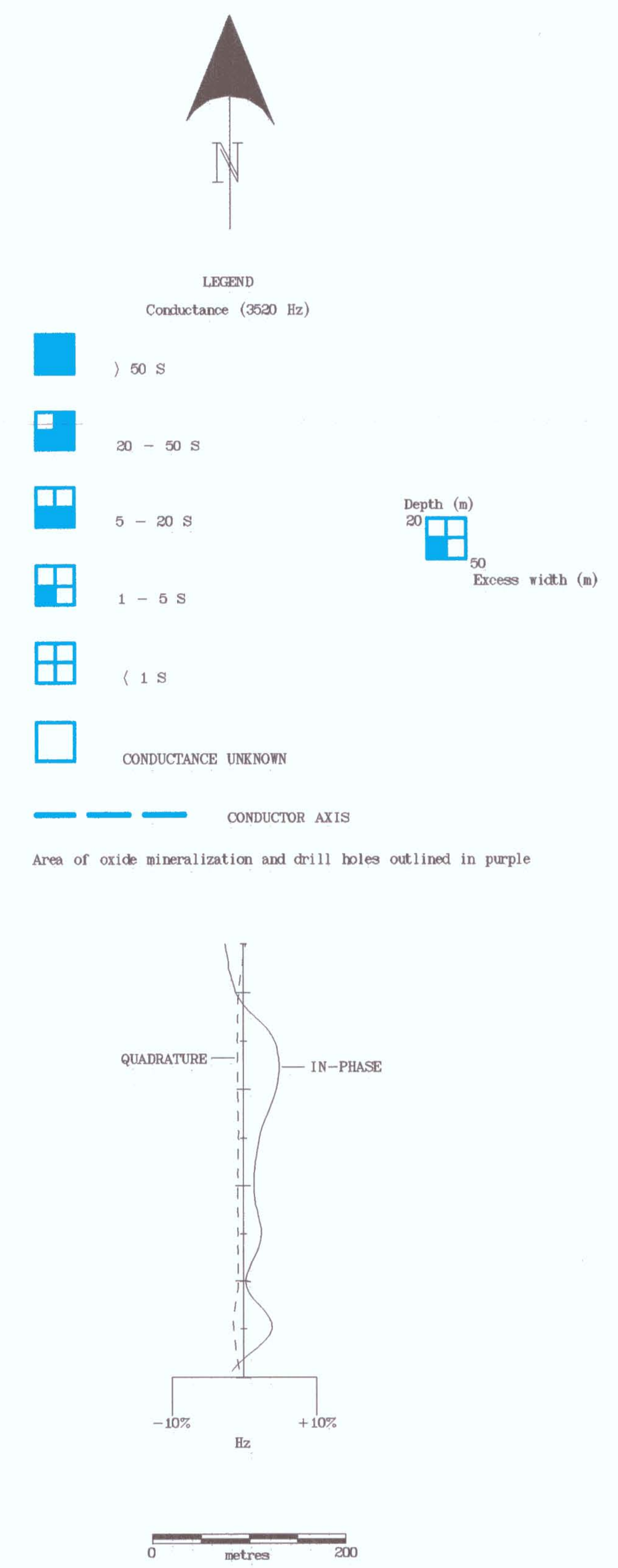
FIG. IC – 1

AMEROK GEOSCIENCES LTD.



IC-1
IC-2
IC-3
N
LEGEND
Conductance (3520 Hz)
〉 50 S
20 - 50 S
5 - 20 S
1 - 5 S
〈 1 S
CONDUCTANCE UNKNOWN
CONDUCTOR AXIS
Area of oxide mineralization and drill holes outlined in purple
Depth (m)
20
50
Excess width (m)
QUADRATURE
IN-PHASE
-10%
+10%
Hz
0
metres
200
SCALE: 1:5000
EXPATRIATE RESOURCES LTD.
ICE PROPERTY
NTS: 105 G/2
(Grid registered to UTM Datum NAD 27)
MAXMIN I-9 SURVEY
100 m COILS - 220 Hz
STACKED PROFILES
FIG. IC - 2
AMEROK GEOSCIENCES LTD.
093718
DWG#2





SCALE: 1:5000

EXPATRIATE RESOURCES LTD.

ICE PROPERTY

NTS: 105 G/2

(Grid registered to UTM Datum NAD 27)

MAXMIN I-9 SURVEY

100 m COILS - 880 Hz

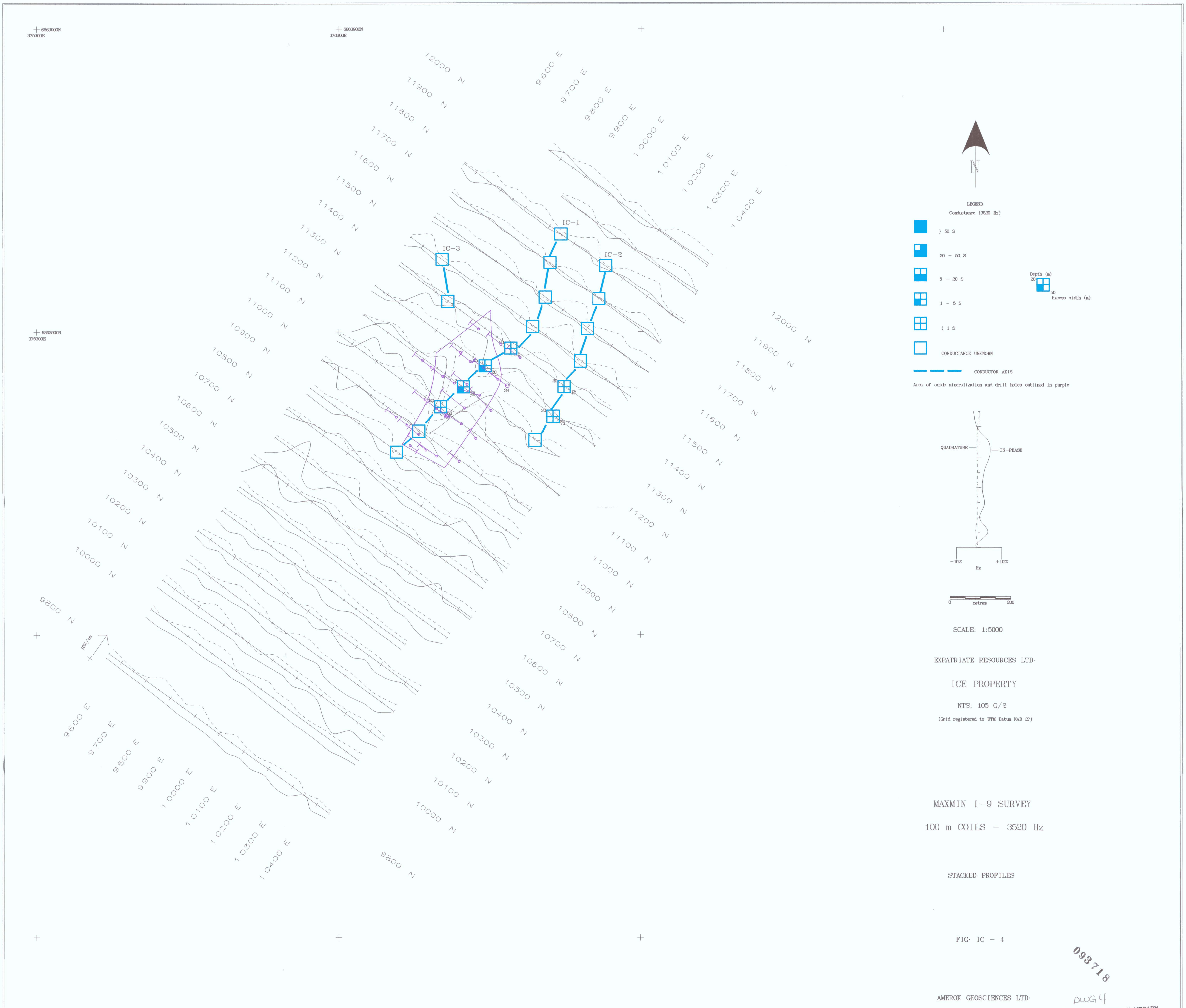
STACKED PROFILES

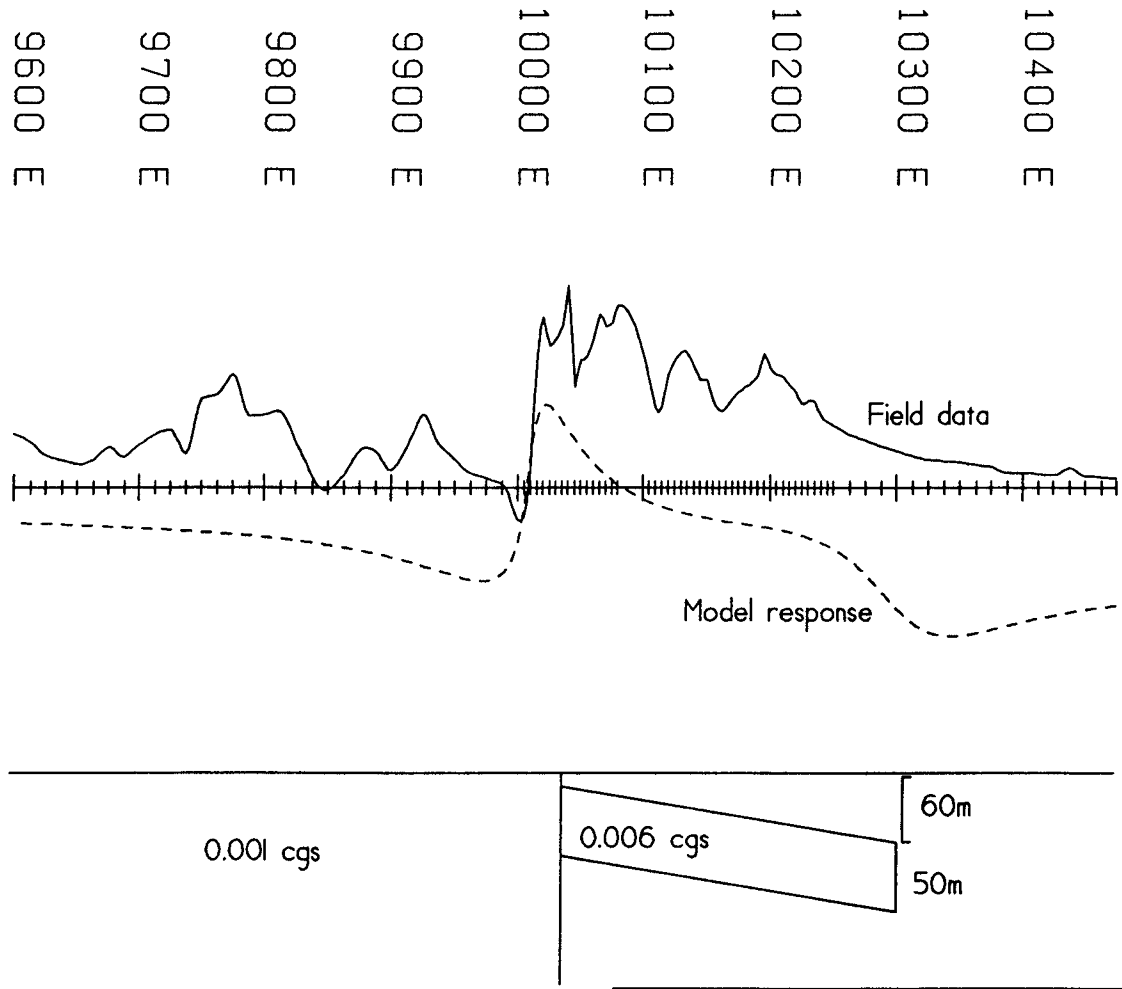
FIG. IC - 3

AMEROK GEOSCIENCES LTD.

093718

DWG 3


IC-1
IC-2
IC-3
LEGEND
Conductance (3520 Hz)
> 50 S
20 - 50 S
5 - 20 S
1 - 5 S
< 1 S
CONDUCTANCE UNKNOWN
CONDUCTOR AXIS
Depth (m)
Excess width (m)
Area of oxide mineralization and drill holes outlined in purple
QUADRATURE
IN-PHASE
-10%
+10%
Hz
metres
SCALE: 1:5000
EXPATRIATE RESOURCES LTD.
ICE PROPERTY
NTS: 105 G/2
(Grid registered to UTM Datum NAD 27)
MAXMIN I-9 SURVEY
100 m COILS - 3520 Hz
STACKED PROFILES
FIG. IC - 4
AMEROK GEOSCIENCES LTD.
093718
DWG 4



PROFESSIONAL GEOSCIENTIST
PROVINCE OF BRITISH COLUMBIA
M.A. POWER

EXPATRIATE RESOURCES LTD.	ICE PROPERTY	
TOTAL MAGNETIC FIELD L10100E - FORWARD MODEL	MINING DISTRICT: WATSON LAKE	
	NTS: 105G2	SCALE: 1:6000
	INVERSION: M.P.	
AMEROK GEOSCIENCES LTD.	DATE: 15 NOV 96	FIGURE: IC-5

16.0 CONCLUSION

The results of the field work lead to the following general operational conclusions:

a. Ground HLEM and total magnetic field surveys are particularly necessary to screen weak airborne EM anomalies for additional follow-up. The effective depth of investigation of an airborne system is putatively 75 m but this is only under the most ideal of circumstances (ie. flat country with extremely conductive targets in very resistive host bedrock). Conductances derived from weak airborne responses are subject to large errors. Resurveying with a ground HLEM system is the only way of definitively investigating these anomalies.

b. If the ground program is based on helicopter-borne electromagnetic data and it can be demonstrated that the probable targets are not extremely conductive (ie. <40 S), the Genie SE-88 system could be used in place of the Maxmin system. The Genie system does not require a reference cable and can be conducted on lines which are not cut. A major problem with the system is that it produces no response over extremely conductive targets (eg. pyrrhotite- or chalcopyrite-rich targets).

Respectfully submitted
AMEROK GEOSCIENCES LTD.

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REFERENCES CITED

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APPENDIX III

CERTIFICATES OF ANALYSIS
SOILS AND SURFACE ROCK SPECIMENS

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : ICE
Comments:

Page Number : 1-A
Total Pages : 1
Certificate Date: 08-NOV-96
Invoice No. : I9638662
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9638662

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
BB 11441	201	202	0.2	1.29	< 2	640	< 0.5	< 2	1.51	0.5	6	27	48	1.82	< 10	< 1	0.06	< 10	0.52	520	< 1
BB 11442	201	202	< 0.2	1.80	6	310	< 0.5	< 2	0.56	1.5	17	44	24	4.08	< 10	< 1	0.08	< 10	0.97	2090	1
BB 11443	201	202	0.2	1.81	< 2	560	< 0.5	< 2	1.26	0.5	12	41	55	2.81	< 10	< 1	0.14	10	0.95	590	< 1
BB 11444	201	202	< 0.2	1.77	< 2	460	< 0.5	< 2	0.91	< 0.5	12	42	48	3.10	< 10	< 1	0.10	10	0.99	545	1
BB 11445	201	202	< 0.2	1.50	4	420	< 0.5	< 2	0.53	< 0.5	9	38	37	2.77	< 10	< 1	0.10	10	0.72	430	1
BB 11446	201	202	< 0.2	1.37	2	430	< 0.5	< 2	1.17	< 0.5	8	29	39	2.26	< 10	< 1	0.07	10	0.65	345	< 1
BB 11447	201	202	0.2	1.68	< 2	560	< 0.5	< 2	1.36	0.5	9	32	51	2.41	< 10	< 1	0.11	10	0.68	470	< 1
BB 11448	201	202	0.2	1.67	2	950	0.5	< 2	1.36	0.5	9	40	74	2.44	< 10	< 1	0.11	10	0.70	755	< 1
BB 11449	201	202	0.2	1.39	4	550	< 0.5	< 2	1.33	0.5	8	31	33	2.30	< 10	< 1	0.08	10	0.68	435	1
BB 11450	201	202	0.2	1.67	2	490	< 0.5	< 2	1.30	0.5	9	34	48	2.73	< 10	< 1	0.13	10	0.84	370	< 1
BB 11451	201	202	< 0.2	1.88	6	450	< 0.5	< 2	0.95	< 0.5	15	41	53	3.81	< 10	< 1	0.12	10	1.10	760	1
BB 11452	201	202	0.2	1.99	6	530	< 0.5	< 2	1.93	0.5	16	41	68	3.74	< 10	< 1	0.17	10	1.31	775	1
BB 11453	201	202	< 0.2	0.92	< 2	260	< 0.5	< 2	1.07	< 0.5	8	20	33	2.14	< 10	< 1	0.06	< 10	0.38	485	< 1
BB 11454	201	202	< 0.2	1.55	< 2	350	< 0.5	< 2	1.01	< 0.5	11	34	36	2.82	< 10	< 1	0.08	10	0.76	515	< 1
BB 11455	201	202	0.2	1.57	< 2	490	< 0.5	< 2	1.21	< 0.5	8	34	45	2.20	< 10	< 1	0.07	10	0.56	425	< 1
BB 11456	201	202	0.2	1.31	2	660	< 0.5	< 2	1.29	< 0.5	8	25	38	2.19	< 10	< 1	0.08	10	0.54	590	1
BB 11457	201	202	0.2	1.37	2	610	< 0.5	< 2	1.02	0.5	7	25	38	2.16	< 10	< 1	0.10	10	0.53	455	1
BB 11458	201	202	< 0.2	1.77	< 2	520	< 0.5	< 2	1.06	< 0.5	11	39	44	2.99	< 10	< 1	0.09	10	0.87	555	1
BB 11459	201	202	< 0.2	1.85	< 2	590	< 0.5	< 2	0.67	< 0.5	10	41	47	3.16	< 10	< 1	0.08	10	0.82	495	< 1
BB 11460	201	202	< 0.2	2.30	2	470	< 0.5	< 2	0.53	< 0.5	15	45	34	4.00	< 10	< 1	0.06	10	0.95	825	< 1
BB 11461	201	202	< 0.2	2.49	2	410	< 0.5	< 2	0.95	0.5	30	120	29	5.52	10	< 1	0.06	< 10	1.97	1495	< 1

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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To: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
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Project : ICE
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CERTIFICATE OF ANALYSIS A9638662

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB 11441	201	202	0.01	24	830	6	< 2	5	58	0.04	< 10	< 10	43	< 10	82
BB 11442	201	202	< 0.01	29	1430	14	< 2	5	24	0.12	< 10	< 10	105	< 10	124
BB 11443	201	202	< 0.01	32	800	8	< 2	8	48	0.08	< 10	< 10	72	< 10	122
BB 11444	201	202	< 0.01	31	510	8	< 2	7	32	0.10	< 10	< 10	75	< 10	94
BB 11445	201	202	< 0.01	23	450	8	< 2	5	23	0.06	< 10	< 10	68	< 10	80
BB 11446	201	202	< 0.01	24	780	6	< 2	6	31	0.06	< 10	< 10	58	< 10	100
BB 11447	201	202	< 0.01	29	890	10	< 2	7	39	0.05	< 10	< 10	64	< 10	116
BB 11448	201	202	< 0.01	39	730	12	< 2	8	44	0.04	< 10	< 10	65	< 10	82
BB 11449	201	202	< 0.01	25	810	8	< 2	5	42	0.06	< 10	< 10	64	< 10	104
BB 11450	201	202	< 0.01	30	870	8	< 2	7	40	0.06	< 10	< 10	66	< 10	116
BB 11451	201	202	< 0.01	34	780	12	< 2	8	38	0.11	< 10	< 10	90	< 10	156
BB 11452	201	202	< 0.01	42	900	12	2	8	58	0.09	< 10	< 10	84	< 10	132
BB 11453	201	202	< 0.01	24	590	8	< 2	5	25	0.03	< 10	< 10	37	< 10	82
BB 11454	201	202	< 0.01	26	760	10	< 2	7	28	0.09	< 10	< 10	72	< 10	82
BB 11455	201	202	0.01	21	700	6	< 2	8	25	0.03	< 10	< 10	64	< 10	66
BB 11456	201	202	< 0.01	25	1110	12	< 2	5	44	0.03	< 10	< 10	57	< 10	102
BB 11457	201	202	< 0.01	30	970	10	< 2	4	39	0.03	< 10	< 10	53	< 10	110
BB 11458	201	202	< 0.01	27	530	8	< 2	7	28	0.06	< 10	< 10	68	< 10	68
BB 11459	201	202	< 0.01	29	290	8	< 2	9	17	0.06	< 10	< 10	73	< 10	74
BB 11460	201	202	< 0.01	28	180	10	< 2	6	14	0.10	< 10	< 10	104	< 10	86
BB 11461	201	202	< 0.01	50	320	12	< 2	8	25	0.29	< 10	< 10	178	< 10	120

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Project : FP - ICE
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CERTIFICATE OF ANALYSIS A9637314

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
BB17232	201	202	< 0.2	0.88	2	260	< 0.5	< 2	0.10	< 0.5	4	10	24	1.49	< 10	< 1	0.05	< 10	0.13	335	1
BB17233	201	202	< 0.2	1.02	6	200	< 0.5	< 2	0.16	< 0.5	10	22	28	3.18	< 10	< 1	0.05	10	0.31	535	1
BB17234	201	202	0.2	3.65	10	480	< 0.5	< 2	0.82	< 0.5	36	55	61	7.44	10	1	0.09	< 10	1.85	1720	1
BB17235	201	202	1.0	1.50	10	560	< 0.5	< 2	0.68	< 0.5	11	30	73	2.76	< 10	< 1	0.07	10	0.50	480	3
BB17236	201	202	< 0.2	1.83	6	340	< 0.5	< 2	0.22	0.5	16	35	93	5.23	< 10	< 1	0.06	< 10	0.44	745	1
BB17237	201	202	< 0.2	2.78	18	650	< 0.5	< 2	0.56	< 0.5	27	60	73	5.33	< 10	< 1	0.07	< 10	1.17	1505	1
BB17238	201	202	< 0.2	0.56	4	130	< 0.5	< 2	0.09	< 0.5	8	12	34	1.99	< 10	< 1	0.06	< 10	0.07	290	1
BB17239	201	202	0.2	1.35	2	290	< 0.5	< 2	1.39	< 0.5	12	29	41	2.26	< 10	< 1	0.06	< 10	0.56	565	< 1
BB17240	201	202	0.2	2.02	16	470	< 0.5	< 2	1.00	< 0.5	18	50	63	3.52	< 10	< 1	0.07	10	0.93	900	< 1
BB17241	201	202	0.6	2.47	34	730	< 0.5	< 2	1.04	< 0.5	23	55	77	5.12	< 10	< 1	0.06	< 10	0.84	2060	1
BB17242	201	202	< 0.2	1.92	10	570	< 0.5	< 2	0.83	< 0.5	15	58	57	3.27	< 10	< 1	0.06	10	1.11	685	1
BB17243	201	202	0.2	2.32	8	740	< 0.5	< 2	0.94	< 0.5	18	65	66	3.58	< 10	< 1	0.07	10	1.25	615	< 1
BB17244	201	202	< 0.2	2.51	8	830	< 0.5	< 2	1.11	< 0.5	17	68	80	3.98	< 10	< 1	0.13	20	1.24	810	1
BB17245	201	202	0.2	1.56	8	590	< 0.5	< 2	0.79	< 0.5	12	39	51	2.83	< 10	< 1	0.06	10	0.76	480	1
BB17246	201	202	0.2	1.67	12	620	< 0.5	< 2	0.76	< 0.5	13	42	51	3.26	< 10	< 1	0.08	10	0.83	545	1
BB17247	201	202	< 0.2	2.58	8	670	< 0.5	< 2	1.29	< 0.5	22	52	71	5.25	< 10	< 1	0.10	< 10	1.37	920	1
BB17248	201	202	< 0.2	2.47	10	680	< 0.5	< 2	0.90	< 0.5	22	55	68	4.82	< 10	< 1	0.09	10	1.27	1050	1
BB17249	201	202	< 0.2	2.26	10	550	< 0.5	< 2	0.72	< 0.5	17	50	55	3.84	< 10	< 1	0.08	10	1.05	735	1
BB17250	201	202	< 0.2	1.74	6	430	< 0.5	< 2	1.03	< 0.5	15	35	83	3.00	< 10	< 1	0.07	10	0.79	630	1
BB17251	201	202	< 0.2	2.40	10	560	< 0.5	< 2	1.33	< 0.5	24	52	48	4.67	< 10	< 1	0.07	< 10	1.38	1130	< 1
BB17252	201	202	< 0.2	2.10	6	610	< 0.5	< 2	1.10	< 0.5	19	45	55	4.14	< 10	< 1	0.07	< 10	1.15	840	1
BB17253	201	202	0.2	1.46	8	1000	< 0.5	< 2	0.61	< 0.5	9	37	60	2.31	< 10	< 1	0.07	10	0.62	370	1
BB17254	201	202	0.4	1.83	8	1080	0.5	< 2	0.87	< 0.5	15	49	80	2.94	< 10	< 1	0.06	10	0.81	700	1
BB17255	201	202	0.2	1.66	8	720	< 0.5	< 2	0.67	< 0.5	13	42	51	2.91	< 10	< 1	0.06	10	0.76	610	1
BB17256	201	202	0.2	1.56	8	680	< 0.5	< 2	0.81	< 0.5	12	36	40	2.72	< 10	< 1	0.06	10	0.77	960	< 1
BB17257	201	202	< 0.2	1.73	16	720	< 0.5	< 2	0.77	< 0.5	16	49	40	3.51	< 10	< 1	0.07	10	1.05	740	< 1
BB17258	201	202	< 0.2	1.96	12	650	< 0.5	< 2	0.93	< 0.5	14	54	36	3.53	< 10	< 1	0.08	10	1.05	715	< 1
BB17259	201	202	0.2	1.77	< 2	840	< 0.5	< 2	1.38	0.5	13	46	48	2.69	< 10	< 1	0.07	10	0.75	485	< 1
BB17260	201	202	0.2	1.37	6	490	< 0.5	< 2	0.73	0.5	10	35	39	2.42	< 10	< 1	0.10	10	0.54	665	1
BB17261	201	202	< 0.2	1.42	10	530	< 0.5	< 2	0.65	< 0.5	12	38	36	2.67	< 10	< 1	0.07	10	0.73	950	1
BB17262	201	202	0.2	2.20	6	1040	< 0.5	< 2	1.07	< 0.5	15	58	70	3.60	< 10	< 1	0.11	10	1.19	515	1
BB17263	201	202	< 0.2	1.93	16	560	< 0.5	< 2	0.83	< 0.5	15	56	36	3.67	< 10	< 1	0.09	10	1.19	725	< 1
BB17264	201	202	0.2	2.49	14	1410	< 0.5	< 2	1.61	< 0.5	21	84	54	3.94	< 10	< 1	0.09	10	1.31	830	< 1
BB17265	201	202	< 0.2	1.76	10	330	< 0.5	< 2	0.15	< 0.5	12	52	22	4.67	< 10	< 1	0.06	10	0.48	565	1
BB17266	201	202	< 0.2	1.48	8	630	< 0.5	< 2	0.54	0.5	15	38	40	2.77	< 10	< 1	0.08	10	0.62	1680	1
BB17267	201	202	0.2	1.11	4	750	< 0.5	< 2	1.45	0.5	8	20	57	1.64	< 10	< 1	0.05	< 10	0.42	615	1
BB17268	201	202	< 0.2	1.56	10	230	< 0.5	< 2	0.20	< 0.5	10	36	17	3.21	< 10	< 1	0.05	10	0.56	390	1
BB17269	201	202	< 0.2	2.06	8	360	< 0.5	< 2	0.79	< 0.5	15	56	37	3.51	< 10	< 1	0.05	< 10	1.09	795	< 1
BB17270	201	202	< 0.2	2.15	2	690	< 0.5	< 2	0.69	< 0.5	16	55	48	3.40	< 10	< 1	0.05	10	1.05	750	< 1
BB17271	201	202	< 0.2	2.75	104	580	0.5	< 2	0.32	< 0.5	40	79	65	8.46	< 10	< 1	0.06	< 10	0.97	2150	< 1

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To: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
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Project : FP-ICE
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CERTIFICATE OF ANALYSIS A9637314

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB17232	201	202	0.03	9	300	12	< 2	1	9	0.01	< 10	< 10	34	< 10	46
BB17233	201	202	< 0.01	12	590	10	< 2	3	10	0.08	< 10	< 10	79	< 10	132
BB17234	201	202	< 0.01	30	320	6	< 2	11	16	0.36	< 10	< 10	188	< 10	134
BB17235	201	202	< 0.01	33	780	14	< 2	4	25	0.01	< 10	< 10	59	< 10	122
BB17236	201	202	< 0.01	16	410	10	2	6	10	0.07	< 10	< 10	156	< 10	106
BB17237	201	202	< 0.01	35	640	10	4	13	13	0.11	< 10	< 10	140	< 10	110
BB17238	201	202	0.01	22	520	10	2	< 1	7	< 0.01	< 10	< 10	39	< 10	66
BB17239	201	202	0.01	18	710	14	2	6	32	0.03	< 10	< 10	53	< 10	66
BB17240	201	202	< 0.01	33	1060	12	< 2	11	33	0.06	< 10	< 10	82	< 10	78
BB17241	201	202	< 0.01	53	970	10	6	10	40	0.07	< 10	< 10	120	< 10	134
BB17242	201	202	< 0.01	33	720	10	< 2	9	24	0.11	< 10	< 10	81	< 10	88
BB17243	201	202	< 0.01	38	730	12	2	12	31	0.11	< 10	< 10	96	< 10	84
BB17244	201	202	< 0.01	43	830	8	< 2	13	31	0.09	< 10	< 10	98	< 10	126
BB17245	201	202	0.01	26	700	4	< 2	10	27	0.06	< 10	< 10	72	< 10	88
BB17246	201	202	< 0.01	31	780	6	2	10	28	0.06	< 10	< 10	78	< 10	102
BB17247	201	202	< 0.01	38	640	8	2	17	34	0.17	< 10	< 10	137	< 10	130
BB17248	201	202	< 0.01	39	580	8	< 2	16	24	0.12	< 10	< 10	121	< 10	118
BB17249	201	202	< 0.01	32	630	10	2	9	28	0.12	< 10	< 10	103	< 10	96
BB17250	201	202	0.01	24	790	6	< 2	18	36	0.07	< 10	< 10	82	< 10	88
BB17251	201	202	< 0.01	33	590	8	< 2	12	29	0.20	< 10	< 10	134	< 10	110
BB17252	201	202	< 0.01	35	430	8	< 2	12	29	0.13	< 10	< 10	105	< 10	104
BB17253	201	202	< 0.01	32	600	10	2	6	21	0.03	< 10	< 10	51	< 10	74
BB17254	201	202	< 0.01	45	840	16	< 2	9	31	0.04	< 10	< 10	63	< 10	66
BB17255	201	202	< 0.01	35	820	12	2	8	26	0.05	< 10	< 10	60	< 10	88
BB17256	201	202	< 0.01	27	520	8	< 2	6	26	0.07	< 10	< 10	62	< 10	66
BB17257	201	202	< 0.01	34	560	10	< 2	8	26	0.08	< 10	< 10	77	< 10	78
BB17258	201	202	< 0.01	32	580	10	< 2	8	34	0.10	< 10	< 10	91	< 10	98
BB17259	201	202	< 0.01	31	1060	8	< 2	9	56	0.05	< 10	< 10	65	< 10	102
BB17260	201	202	< 0.01	28	650	8	2	7	31	0.05	< 10	< 10	65	< 10	134
BB17261	201	202	< 0.01	29	540	8	< 2	8	26	0.07	< 10	< 10	60	< 10	72
BB17262	201	202	< 0.01	42	670	10	< 2	13	40	0.08	< 10	< 10	84	< 10	90
BB17263	201	202	< 0.01	35	270	10	6	7	22	0.16	< 10	< 10	98	< 10	88
BB17264	201	202	< 0.01	51	680	8	< 2	13	34	0.15	< 10	< 10	101	< 10	112
BB17265	201	202	< 0.01	22	440	10	< 2	6	11	0.12	< 10	< 10	154	< 10	92
BB17266	201	202	< 0.01	26	680	12	< 2	7	20	0.05	< 10	< 10	59	< 10	196
BB17267	201	202	0.02	23	870	6	< 2	4	38	0.03	< 10	< 10	33	< 10	58
BB17268	201	202	< 0.01	19	280	12	< 2	3	10	0.05	< 10	< 10	67	< 10	64
BB17269	201	202	< 0.01	34	360	10	2	5	19	0.12	< 10	< 10	88	< 10	68
BB17270	201	202	< 0.01	36	240	10	4	7	23	0.10	< 10	< 10	82	< 10	72
BB17271	201	202	< 0.01	45	480	6	2	20	15	< 0.01	< 10	< 10	162	< 10	92

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CERTIFICATE OF ANALYSIS A9637314

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
BB17272	201	202	< 0.2	1.91	12	560	< 0.5	< 2	0.87	< 0.5	15	47	73	3.33	< 10	< 1	0.11	10	1.11	610	< 1
BB17273	201	202	< 0.2	1.22	8	510	< 0.5	< 2	1.18	< 0.5	10	26	38	2.16	< 10	< 1	0.07	< 10	0.55	665	< 1
BB17274	201	202	0.2	2.39	12	550	< 0.5	< 2	1.20	0.5	20	50	63	4.37	< 10	< 1	0.14	10	1.33	940	< 1
BB17275	201	202	< 0.2	2.51	8	690	< 0.5	< 2	1.05	< 0.5	22	60	72	4.72	< 10	< 1	0.10	< 10	1.33	905	< 1
BB17276	201	202	< 0.2	2.59	8	410	< 0.5	< 2	0.61	< 0.5	21	53	44	4.76	< 10	< 1	0.08	< 10	1.13	890	1
BB17277	201	202	0.2	2.03	6	570	< 0.5	< 2	1.35	< 0.5	20	49	74	4.10	< 10	< 1	0.07	< 10	1.07	960	1
BB17278	201	202	< 0.2	1.37	6	270	< 0.5	< 2	0.19	< 0.5	13	28	21	2.42	< 10	< 1	0.04	< 10	0.42	805	< 1
BB17279	201	202	< 0.2	0.85	2	120	< 0.5	< 2	0.14	< 0.5	6	16	7	1.80	< 10	< 1	0.06	10	0.22	545	< 1
BB17280	201	202	< 0.2	1.05	< 2	120	< 0.5	< 2	0.18	< 0.5	8	19	29	1.92	< 10	< 1	0.03	< 10	0.37	440	< 1
BB17281	201	202	< 0.2	2.22	8	230	< 0.5	< 2	0.43	< 0.5	17	36	40	5.23	< 10	< 1	0.06	< 10	0.95	645	1
BB17282	201	202	< 0.2	3.40	8	280	< 0.5	< 2	0.90	< 0.5	34	47	54	7.12	10	< 1	0.14	< 10	1.40	985	< 1
BB17283	201	202	< 0.2	3.28	4	340	< 0.5	< 2	1.19	< 0.5	37	51	103	7.54	10	< 1	0.06	< 10	1.69	1580	< 1
BB17284	201	202	< 0.2	1.06	2	110	< 0.5	< 2	0.13	< 0.5	30	10	16	2.90	< 10	< 1	0.04	< 10	0.17	2360	< 1
BB17285	201	202	< 0.2	2.66	6	200	< 0.5	< 2	0.38	< 0.5	17	37	44	4.34	< 10	< 1	0.04	10	0.72	490	1

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221 FAX: 604-984-0218

To: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
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Project : FP -ICE
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Invoice No. : I9637314
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9637314

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB17272	201	202	< 0.01	40	790	10	< 2	10	30	0.12	< 10	< 10	80	< 10	94
BB17273	201	202	0.01	30	880	10	< 2	5	39	0.04	< 10	< 10	53	< 10	86
BB17274	201	202	< 0.01	47	960	10	< 2	12	40	0.13	< 10	< 10	114	< 10	142
BB17275	201	202	< 0.01	42	550	10	2	14	30	0.12	< 10	< 10	118	< 10	108
BB17276	201	202	< 0.01	34	300	6	< 2	8	16	0.12	< 10	< 10	124	< 10	92
BB17277	201	202	< 0.01	36	750	8	< 2	12	33	0.12	< 10	< 10	102	< 10	118
BB17278	201	202	< 0.01	14	380	8	< 2	3	9	0.04	< 10	< 10	66	< 10	76
BB17279	201	202	< 0.01	7	360	10	< 2	1	7	0.05	< 10	< 10	47	< 10	54
BB17280	201	202	0.04	12	360	2	< 2	3	6	0.08	< 10	< 10	56	< 10	32
BB17281	201	202	< 0.01	24	510	6	< 2	8	11	0.09	< 10	< 10	137	< 10	80
BB17282	201	202	< 0.01	32	480	4	< 2	15	17	0.17	< 10	< 10	192	< 10	100
BB17283	201	202	< 0.01	39	290	2	2	24	17	0.15	< 10	< 10	211	< 10	76
BB17284	201	202	0.03	6	320	2	< 2	2	8	0.07	< 10	< 10	69	< 10	66
BB17285	201	202	< 0.01	23	260	8	< 2	6	12	0.10	< 10	< 10	117	< 10	94

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Certificate Date: 06-OCT-96
Invoice No. : I9634037
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Account : MPO

CERTIFICATE OF ANALYSIS A9634037

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
BB09684	201	202	0.6	1.93	4	300	< 0.5	< 2	0.83	< 0.5	13	29	32	2.87	< 10	< 1	0.15	10	0.95	435	1
BB09685	201	202	< 0.2	1.70	8	420	< 0.5	< 2	0.44	< 0.5	13	32	27	2.65	< 10	1	0.09	10	0.60	295	1
BB09686	201	202	< 0.2	1.27	12	240	< 0.5	< 2	0.82	0.5	9	26	11	1.85	< 10	< 1	0.08	10	0.45	260	1
BB09687	201	202	0.2	1.62	12	370	< 0.5	< 2	0.62	< 0.5	11	33	43	2.80	< 10	< 1	0.16	10	0.61	450	1
BB09688	201	202	< 0.2	1.54	2	340	< 0.5	< 2	0.75	< 0.5	10	30	27	2.35	< 10	< 1	0.11	10	0.62	270	< 1
BB09689	201	202	< 0.2	1.45	6	530	< 0.5	< 2	0.39	< 0.5	9	28	15	2.36	< 10	< 1	0.07	10	0.41	315	2
BB09690	201	202	0.2	1.27	4	410	< 0.5	< 2	1.16	< 0.5	10	25	192	2.28	< 10	< 1	0.09	10	0.62	500	< 1
BB09691	201	202	< 0.2	1.19	2	370	< 0.5	< 2	1.17	1.0	10	24	421	2.15	< 10	< 1	0.08	< 10	0.61	365	< 1
BB09692	201	202	0.2	1.33	8	410	< 0.5	< 2	1.58	0.5	12	26	142	2.59	< 10	< 1	0.07	10	0.64	1065	1
BB09693	201	202	0.2	1.47	< 2	420	< 0.5	< 2	0.85	< 0.5	12	30	38	2.68	< 10	< 1	0.09	10	0.71	430	< 1

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EXPATRIATE RESOURCES LTD.
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Project : ICE
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CERTIFICATE OF ANALYSIS A9634037

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB09684	201	202	< 0.01	25	860	2	< 2	5	34	0.07	< 10	< 10	64	< 10	142
BB09685	201	202	< 0.01	24	590	8	< 2	3	22	0.06	< 10	< 10	68	< 10	80
BB09686	201	202	0.01	12	410	6	< 2	2	26	0.04	< 10	< 10	54	< 10	190
BB09687	201	202	< 0.01	27	500	10	< 2	4	27	0.04	< 10	< 10	66	< 10	98
BB09688	201	202	0.01	22	390	6	< 2	4	35	0.04	< 10	< 10	56	< 10	70
BB09689	201	202	< 0.01	20	220	10	< 2	3	20	0.03	< 10	< 10	54	< 10	80
BB09690	201	202	< 0.01	24	1010	10	< 2	4	45	0.03	< 10	< 10	51	< 10	158
BB09691	201	202	< 0.01	25	910	8	< 2	4	42	0.04	< 10	< 10	47	< 10	172
BB09692	201	202	< 0.01	30	510	10	< 2	4	52	0.03	< 10	< 10	49	< 10	152
BB09693	201	202	< 0.01	29	650	8	< 2	5	39	0.05	< 10	< 10	56	< 10	90

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To: EXPATRIATE RESOURCES LTD.
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VANCOUVER, BC
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Project : ICE
Comments:

Certificate Date: 23-SEP-96
Invoice No. : I9631709
P.O. Number :
Account : MPO

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9631709

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
BB09630	201 202	< 0.2	2.02	< 2	520	< 0.5	< 2	0.45	0.5	28	155	27	4.03	10	< 1	0.05	10	1.77	730	1
BB09631	201 202	< 0.2	3.31	< 2	800	1.0	2	0.52	< 0.5	37	125	77	7.50	10	< 1	0.04	< 10	1.40	1040	< 1
BB09632	201 202	< 0.2	1.71	< 2	870	0.5	< 2	2.27	< 0.5	35	97	64	7.23	< 10	< 1	0.05	< 10	1.44	2070	< 1
BB09633	201 202	< 0.2	2.32	< 2	1780	< 0.5	< 2	0.67	0.5	21	68	32	4.10	< 10	< 1	0.07	10	1.11	935	1
BB09634	201 202	< 0.2	2.28	< 2	1050	< 0.5	< 2	0.72	0.5	21	91	52	5.40	< 10	4	0.10	< 10	1.32	695	1
BB09635	201 202	< 0.2	2.02	6	1260	0.5	< 2	2.38	< 0.5	34	76	85	5.11	< 10	2	0.14	< 10	0.84	1665	< 1
BB09636	201 202	< 0.2	2.90	< 2	1440	0.5	< 2	1.07	< 0.5	32	106	62	4.98	10	< 1	0.09	< 10	1.78	1600	< 1
BB09637	201 202	< 0.2	2.40	< 2	970	0.5	< 2	0.68	< 0.5	30	168	56	4.36	< 10	< 1	0.09	10	1.77	1615	< 1
BB09638	201 202	< 0.2	3.11	< 2	1280	< 0.5	< 2	1.55	0.5	34	139	51	4.75	10	1	0.06	< 10	2.10	1470	< 1
BB09639	201 202	< 0.2	1.74	< 2	630	< 0.5	< 2	0.80	0.5	46	403	41	4.36	< 10	< 1	0.05	< 10	4.52	1155	< 1
BB09640	201 202	< 0.2	2.75	< 2	560	< 0.5	< 2	0.48	< 0.5	56	467	46	5.97	< 10	< 1	0.07	< 10	6.01	1480	< 1
BB09641	201 202	< 0.2	1.91	< 2	430	< 0.5	< 2	0.68	< 0.5	45	427	22	4.65	< 10	< 1	0.03	< 10	6.51	900	< 1
BB09642	201 202	< 0.2	1.83	< 2	590	< 0.5	< 2	0.78	< 0.5	33	369	28	4.09	< 10	< 1	0.04	< 10	5.58	670	< 1
BB09643	201 202	< 0.2	1.64	< 2	600	< 0.5	< 2	0.51	< 0.5	27	212	24	3.37	< 10	< 1	0.08	10	3.06	520	1
BB09644	201 202	< 0.2	2.62	< 2	160	< 0.5	< 2	0.76	< 0.5	47	179	69	5.24	< 10	< 1	0.06	< 10	2.69	1465	< 1
BB09645	201 202	< 0.2	0.60	< 2	40	< 0.5	Intf*	0.16	< 0.5	82	664	21	3.91	< 10	< 1	< 0.01	< 10	>15.00	880	< 1
BB09646	201 202	< 0.2	1.57	< 2	360	< 0.5	< 2	0.46	< 0.5	60	554	28	4.19	< 10	< 1	0.02	< 10	8.69	880	< 1
BB09647	201 202	< 0.2	1.57	< 2	410	< 0.5	< 2	0.42	< 0.5	54	318	40	3.40	< 10	< 1	0.03	< 10	6.58	1030	1
BB09648	201 202	< 0.2	4.64	< 2	2650	< 0.5	< 2	0.73	< 0.5	42	275	61	6.00	10	< 1	0.04	< 10	5.16	1430	< 1
BB09649	201 202	< 0.2	3.16	< 2	1580	< 0.5	< 2	1.43	< 0.5	50	378	87	4.98	10	1	0.03	< 10	5.10	2500	< 1
BB09650	201 202	< 0.2	2.52	4	1010	0.5	< 2	0.56	< 0.5	29	120	43	4.09	< 10	1	0.09	10	1.77	1085	1
BB09651	201 202	< 0.2	2.56	4	740	0.5	< 2	0.41	< 0.5	25	93	54	4.44	10	< 1	0.09	10	1.53	1140	< 1
BB09652	201 202	< 0.2	2.13	2	670	< 0.5	< 2	0.40	< 0.5	35	266	66	4.82	10	< 1	0.08	10	2.09	1045	< 1
BB09653	201 202	< 0.2	1.80	< 2	80	< 0.5	Intf*	0.13	< 0.5	104	750	17	4.73	< 10	< 1	< 0.01	< 10	>15.00	1200	< 1
BB09654	201 202	< 0.2	1.72	< 2	280	< 0.5	< 2	0.37	< 0.5	84	601	20	4.69	< 10	< 1	0.05	< 10	8.70	855	< 1
BB09655	201 202	< 0.2	3.04	< 2	250	< 0.5	< 2	1.20	< 0.5	35	240	52	4.87	10	1	0.05	< 10	3.66	745	< 1
BB09656	201 202	0.6	1.39	< 2	480	< 0.5	< 2	1.30	< 0.5	8	26	62	1.76	< 10	< 1	0.10	10	0.45	265	< 1
BB09657	201 202	< 0.2	1.39	2	450	< 0.5	< 2	0.78	< 0.5	11	29	45	2.50	< 10	< 1	0.13	10	0.62	365	2
BB09658	201 202	< 0.2	1.48	< 2	570	0.5	< 2	1.01	0.5	9	30	49	2.49	< 10	< 1	0.15	10	0.64	290	2
BB09659	201 202	0.4	1.62	6	560	0.5	< 2	1.07	0.5	10	27	60	2.48	< 10	< 1	0.10	20	0.61	380	1
BB09660	201 202	0.2	1.57	< 2	800	0.5	< 2	1.02	< 0.5	12	35	57	2.53	< 10	< 1	0.11	10	0.67	450	1
BB09661	201 202	< 0.2	1.90	6	650	< 0.5	< 2	1.14	< 0.5	15	41	30	2.55	< 10	< 1	0.13	10	0.79	925	1
BB09662	201 202	< 0.2	1.67	< 2	560	0.5	2	1.32	1.0	13	36	49	2.60	< 10	< 1	0.14	10	0.71	680	2
BB09663	201 202	< 0.2	3.21	< 2	510	0.5	< 2	0.35	< 0.5	15	53	28	4.42	10	< 1	0.07	10	0.73	450	1
BB09664	201 202	< 0.2	2.46	< 2	600	< 0.5	< 2	0.84	< 0.5	12	46	17	4.83	10	< 1	0.08	10	0.85	570	< 1
BB09665	201 202	< 0.2	2.16	< 2	420	< 0.5	< 2	0.25	0.5	14	44	62	3.74	< 10	< 1	0.08	10	0.64	455	1
BB09675	201 202	< 0.2	1.24	< 2	220	< 0.5	< 2	0.15	< 0.5	60	667	15	4.36	< 10	< 1	0.05	10	8.32	570	< 1
BB09676	201 202	< 0.2	2.58	< 2	780	0.5	< 2	0.44	< 0.5	40	364	29	5.39	10	< 1	0.08	10	2.37	1320	< 1
BB09677	201 202	< 0.2	2.42	< 2	530	< 0.5	2	0.30	< 0.5	23	294	42	4.07	< 10	< 1	0.05	10	2.69	630	< 1
BB09678	201 202	< 0.2	2.09	< 2	920	< 0.5	< 2	0.28	< 0.5	23	304	17	4.42	< 10	1	0.07	10	1.51	735	< 1

CERTIFICATION: Hart Bichler

*INTERFERENCE: Mg on Bi and P

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CERTIFICATE OF ANALYSIS A9631709

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB09630	201	202	< 0.01	124	380	14	< 2	7	16	0.08	< 10	< 10	86	< 10	62
BB09631	201	202	< 0.01	54	380	< 2	2	52	9	< 0.01	< 10	< 10	221	< 10	76
BB09632	201	202	< 0.01	76	730	8	< 2	36	52	0.01	< 10	< 10	194	< 10	88
BB09633	201	202	< 0.01	39	450	12	< 2	9	21	0.10	< 10	< 10	103	< 10	76
BB09634	201	202	< 0.01	64	440	2	< 2	20	22	0.04	< 10	< 10	145	< 10	68
BB09635	201	202	0.01	54	680	2	2	39	35	0.01	< 10	< 10	152	< 10	68
BB09636	201	202	< 0.01	72	440	6	< 2	16	30	0.21	< 10	< 10	134	< 10	74
BB09637	201	202	< 0.01	118	500	10	< 2	12	25	0.12	< 10	< 10	103	< 10	76
BB09638	201	202	< 0.01	92	360	6	< 2	15	32	0.26	< 10	< 10	131	< 10	70
BB09639	201	202	< 0.01	338	940	10	< 2	9	21	0.08	< 10	< 10	82	< 10	92
BB09640	201	202	< 0.01	386	260	< 2	< 2	23	9	0.06	< 10	< 10	141	< 10	66
BB09641	201	202	< 0.01	350	310	2	< 2	8	13	0.19	< 10	< 10	98	< 10	62
BB09642	201	202	0.01	279	200	6	8	7	19	0.19	< 10	< 10	95	< 10	50
BB09643	201	202	< 0.01	232	620	12	< 2	8	20	0.10	< 10	< 10	69	< 10	76
BB09644	201	202	< 0.01	131	600	6	< 2	19	21	0.18	< 10	< 10	145	< 10	92
BB09645	201	202	< 0.01	1410	Intf*	2	< 2	8	3	0.03	< 10	10	31	< 10	26
BB09646	201	202	< 0.01	671	500	2	< 2	8	11	0.07	< 10	< 10	59	< 10	60
BB09647	201	202	< 0.01	534	640	6	< 2	12	15	0.06	< 10	< 10	72	< 10	50
BB09648	201	202	< 0.01	177	490	< 2	< 2	21	14	0.13	< 10	10	137	< 10	54
BB09649	201	202	< 0.01	326	180	6	< 2	21	16	0.20	< 10	10	113	< 10	52
BB09650	201	202	< 0.01	101	380	10	< 2	7	24	0.11	< 10	< 10	99	< 10	72
BB09651	201	202	< 0.01	70	170	12	2	9	21	0.12	< 10	< 10	136	< 10	76
BB09652	201	202	< 0.01	164	340	12	2	8	22	0.13	< 10	< 10	118	< 10	80
BB09653	201	202	< 0.01	1310	Intf*	< 2	< 2	13	1	0.05	< 10	10	42	< 10	32
BB09654	201	202	< 0.01	627	240	4	< 2	10	7	0.09	< 10	10	84	< 10	54
BB09655	201	202	< 0.01	201	170	< 2	< 2	12	15	0.28	< 10	< 10	135	< 10	62
BB09656	201	202	0.02	28	820	6	< 2	7	35	0.03	< 10	< 10	42	< 10	92
BB09657	201	202	0.01	30	1110	12	< 2	6	35	0.06	< 10	< 10	61	< 10	116
BB09658	201	202	< 0.01	31	1120	10	< 2	6	41	0.06	< 10	< 10	64	< 10	132
BB09659	201	202	< 0.01	30	760	12	< 2	5	27	0.04	< 10	< 10	60	< 10	94
BB09660	201	202	< 0.01	34	690	10	< 2	8	35	0.07	< 10	< 10	66	< 10	94
BB09661	201	202	< 0.01	27	370	12	< 2	7	35	0.10	< 10	< 10	73	< 10	104
BB09662	201	202	0.01	33	710	12	< 2	7	36	0.07	< 10	< 10	63	< 10	132
BB09663	201	202	< 0.01	25	220	10	< 2	6	13	0.14	< 10	< 10	141	< 10	124
BB09664	201	202	< 0.01	21	520	10	< 2	7	16	0.15	< 10	< 10	119	< 10	66
BB09665	201	202	0.01	26	390	6	< 2	5	11	0.09	< 10	< 10	107	< 10	160
BB09675	201	202	< 0.01	746	280	8	< 2	11	7	0.04	< 10	< 10	45	< 10	56
BB09676	201	202	< 0.01	185	460	4	< 2	12	17	0.08	< 10	< 10	120	< 10	124
BB09677	201	202	< 0.01	197	280	12	2	7	13	0.06	< 10	< 10	91	< 10	84
BB09678	201	202	< 0.01	105	160	6	< 2	5	11	0.06	< 10	< 10	108	< 10	86

CERTIFICATION: Hart Bichler

* INTERFERENCE: Mg on Bi and P

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : ICE
Comments:

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Certificate Date: 23-SEP-96
Invoice No. : I9631709
P.O. Number :
Account : MPO

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9631709

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
BB09679	201	202	< 0.2	2.17	8	1240	< 0.5	< 2	0.30	0.5	31	289	42	4.59	< 10	< 1	0.07	< 10	3.95	1040	< 1
BB09680	201	202	< 0.2	1.82	4	360	< 0.5	< 2	0.23	< 0.5	23	158	29	3.14	< 10	< 1	0.04	< 10	1.42	430	< 1
BB09681	201	202	< 0.2	1.54	2	720	< 0.5	< 2	0.15	< 0.5	20	243	18	3.17	< 10	1	0.03	10	1.75	725	< 1
BB09682	201	202	< 0.2	1.90	6	560	< 0.5	< 2	0.29	< 0.5	18	90	30	3.70	< 10	< 1	0.05	10	0.93	695	< 1
BB09683	201	202	< 0.2	2.30	8	590	< 0.5	< 2	0.42	< 0.5	25	199	38	4.49	< 10	1	0.05	10	1.72	745	< 1
BB09694	201	202	< 0.2	1.41	8	360	< 0.5	< 2	0.28	< 0.5	12	32	29	2.69	< 10	< 1	0.10	10	0.59	520	1
BB09695	201	202	0.2	1.96	4	660	< 0.5	< 2	0.30	0.5	12	39	26	3.33	< 10	< 1	0.08	10	0.52	410	1
BB09696	201	202	< 0.2	1.72	6	610	< 0.5	< 2	0.40	< 0.5	9	40	30	2.67	< 10	< 1	0.11	10	0.66	435	1
BB09697	201	202	0.2	1.60	< 2	730	< 0.5	< 2	0.76	< 0.5	9	36	42	2.23	< 10	< 1	0.09	10	0.68	415	< 1
BB09698	201	202	< 0.2	1.54	12	380	< 0.5	< 2	0.49	0.5	12	38	28	3.22	< 10	< 1	0.10	10	0.67	735	1
BB09699	201	202	0.2	1.71	8	410	< 0.5	< 2	0.81	0.5	12	33	35	2.71	< 10	< 1	0.11	10	0.63	745	1
BB09700	201	202	0.2	0.88	8	260	< 0.5	< 2	0.80	< 0.5	9	20	74	2.90	< 10	< 1	0.06	< 10	0.28	205	1
BB09701	201	202	< 0.2	2.24	< 2	190	0.5	< 2	0.54	< 0.5	12	33	26	2.93	< 10	< 1	0.31	20	1.38	315	< 1
BB09702	201	202	< 0.2	1.80	8	210	0.5	< 2	0.27	< 0.5	7	37	19	2.34	< 10	1	0.23	30	1.04	330	1
BB09703	201	202	< 0.2	1.89	8	440	0.5	< 2	0.12	< 0.5	5	64	20	2.70	< 10	< 1	0.47	10	1.04	375	2
BB09704	201	202	< 0.2	4.07	< 2	470	2.0	< 2	0.86	< 0.5	27	388	114	4.10	10	< 1	0.80	210	3.90	510	< 1
BB09705	201	202	< 0.2	1.75	8	190	0.5	< 2	0.20	< 0.5	7	34	17	2.48	< 10	< 1	0.20	20	0.94	305	1
BB09706	201	202	1.0	0.56	16	350	< 0.5	< 2	0.13	< 0.5	3	6	48	2.29	< 10	< 1	0.28	70	0.25	90	6
BB09707	201	202	< 0.2	2.09	4	140	0.5	< 2	0.09	< 0.5	5	37	15	2.55	< 10	< 1	0.16	10	0.73	320	1
BB09708	201	202	< 0.2	2.04	6	150	0.5	< 2	0.24	< 0.5	9	37	63	2.80	< 10	< 1	0.23	10	1.06	255	< 1
BB09709	201	202	< 0.2	2.40	4	220	0.5	< 2	0.28	< 0.5	12	37	115	3.50	< 10	< 1	0.32	20	1.21	340	1
BB09710	201	202	< 0.2	3.59	2	170	0.5	< 2	0.33	< 0.5	22	59	74	4.40	< 10	< 1	0.34	10	2.38	430	< 1

CERTIFICATION: Hart Bichler

* INTERFERENCE: Mg on Bi and P

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To: EXPATRIATE RESOURCES LTD.
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V6B 1L8

Project : ICE
Comments:

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Total Pages :2
Certificate Date: 23-SEP-96
Invoice No. : I9631709
P.O. Number :
Account : MPO

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9631709

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB09679	201	202	0.01	471	440	8	< 2	15	15	0.02	< 10	< 10	93	< 10	78
BB09680	201	202	< 0.01	91	150	10	< 2	4	10	0.05	< 10	< 10	62	< 10	60
BB09681	201	202	< 0.01	183	180	12	< 2	4	9	0.04	< 10	< 10	52	< 10	72
BB09682	201	202	< 0.01	80	310	12	< 2	6	13	0.04	< 10	< 10	83	< 10	72
BB09683	201	202	< 0.01	188	150	8	< 2	19	12	0.06	< 10	< 10	112	< 10	66
BB09694	201	202	0.01	25	660	12	< 2	3	17	0.03	< 10	< 10	58	< 10	98
BB09695	201	202	0.01	22	390	10	< 2	4	13	0.07	< 10	< 10	95	< 10	76
BB09696	201	202	0.01	26	520	10	< 2	5	21	0.05	< 10	< 10	68	< 10	94
BB09697	201	202	< 0.01	29	650	10	< 2	8	29	0.06	< 10	< 10	58	< 10	82
BB09698	201	202	< 0.01	27	1110	12	< 2	5	26	0.07	< 10	< 10	73	< 10	122
BB09699	201	202	0.01	24	580	12	< 2	6	23	0.05	< 10	< 10	60	< 10	116
BB09700	201	202	< 0.01	32	1380	14	< 2	6	33	< 0.01	< 10	< 10	34	< 10	70
BB09701	201	202	< 0.01	19	1940	14	< 2	4	21	0.15	< 10	< 10	72	< 10	82
BB09702	201	202	< 0.01	25	710	14	< 2	3	19	0.10	< 10	< 10	51	< 10	76
BB09703	201	202	< 0.01	26	670	16	< 2	4	14	0.11	< 10	< 10	75	< 10	90
BB09704	201	202	< 0.01	104	700	10	< 2	9	60	0.35	< 10	< 10	116	< 10	78
BB09705	201	202	< 0.01	24	680	14	< 2	3	16	0.09	< 10	< 10	52	< 10	78
BB09706	201	202	0.03	3	1190	1220	< 2	1	44	0.01	< 10	< 10	11	< 10	42
BB09707	201	202	< 0.01	16	570	18	< 2	2	10	0.09	< 10	< 10	58	< 10	58
BB09708	201	202	< 0.01	20	890	20	< 2	4	14	0.12	< 10	< 10	60	< 10	96
BB09709	201	202	< 0.01	19	1190	100	< 2	5	17	0.17	< 10	< 10	76	< 10	150
BB09710	201	202	< 0.01	28	760	18	< 2	8	18	0.25	< 10	< 10	117	< 10	234

CERTIFICATION: Hart Bichler

* INTERFERENCE: Mg on Bi and P

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VANCOUVER, BC
V6B 1L8

Project : ICE
Comments:

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Certificate Date: 15-SEP-96
Invoice No. : I9631074
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9631074

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
BB 06139	201	202	0.2	0.29	< 2	90	< 0.5	< 2	0.17	< 0.5	2	< 1	6	0.42	< 10	< 1	0.04	< 10	0.05	50	< 1
BB 06140	201	202	0.2	1.68	4	550	< 0.5	< 2	1.99	0.5	12	23	708	2.15	< 10	< 1	0.15	10	0.68	270	1
BB 06141	201	202	< 0.2	1.86	2	550	< 0.5	< 2	0.36	< 0.5	11	23	20	2.44	< 10	< 1	0.06	10	0.38	320	1
BB 06142	201	202	< 0.2	0.70	< 2	280	< 0.5	< 2	2.15	< 0.5	4	3	51	1.00	< 10	< 1	0.05	< 10	0.25	220	< 1
BB 06143	201	202	0.2	1.80	2	580	< 0.5	< 2	0.89	0.5	10	28	32	2.31	< 10	< 1	0.12	10	0.57	390	2
BB 06144	201	202	< 0.2	1.48	< 2	440	< 0.5	< 2	1.09	< 0.5	10	19	22	2.23	< 10	< 1	0.06	< 10	0.48	565	< 1
BB 06145	201	202	0.2	0.81	4	420	< 0.5	< 2	2.19	0.5	6	5	63	1.19	< 10	< 1	0.04	< 10	0.29	335	< 1
BB 06146	201	202	0.6	1.87	6	880	0.5	< 2	1.22	0.5	11	28	62	2.71	< 10	< 1	0.14	10	0.53	550	1
BB 06147	201	202	< 0.2	1.42	6	450	< 0.5	< 2	0.51	< 0.5	9	15	26	2.05	< 10	< 1	0.09	10	0.46	380	< 1
BB 06148	201	202	< 0.2	0.85	4	290	< 0.5	< 2	0.33	< 0.5	5	7	9	1.54	< 10	< 1	0.06	< 10	0.22	220	< 1
BB 06149	201	202	0.6	2.30	2	500	< 0.5	< 2	1.01	0.5	18	27	27	4.00	< 10	< 1	0.09	< 10	0.61	920	< 1
BB 06150	201	202	< 0.2	1.35	6	210	< 0.5	< 2	0.22	0.5	9	17	10	2.60	< 10	< 1	0.06	10	0.34	420	1
BB 06151	201	202	< 0.2	1.99	12	680	0.5	< 2	0.63	0.5	11	27	38	3.01	< 10	< 1	0.15	10	0.61	325	1
BB 06152	201	202	0.2	2.85	4	670	0.5	< 2	0.65	0.5	12	40	24	2.94	< 10	< 1	0.11	10	0.86	235	1
BB 06153	201	202	< 0.2	1.96	8	400	< 0.5	< 2	0.38	< 0.5	11	27	6	2.70	< 10	< 1	0.07	10	0.57	440	< 1
BB 06154	201	202	< 0.2	1.03	< 2	170	< 0.5	< 2	0.34	< 0.5	6	4	18	1.38	< 10	< 1	0.04	< 10	0.27	350	1
BB 06155	201	202	< 0.2	1.72	14	520	< 0.5	< 2	0.73	< 0.5	15	33	36	2.99	< 10	< 1	0.19	10	0.67	580	1
BB 06156	201	202	0.2	1.90	6	520	< 0.5	< 2	0.64	< 0.5	11	25	21	2.77	< 10	< 1	0.15	10	0.55	375	1
BB 06157	201	202	0.2	1.50	2	320	< 0.5	< 2	0.38	0.5	7	16	30	2.17	< 10	< 1	0.12	10	0.49	220	3
BB 06158	201	202	1.0	1.87	< 2	590	0.5	< 2	1.71	< 0.5	9	35	92	2.73	< 10	< 1	0.12	10	0.60	475	3
BB 06159	201	202	< 0.2	2.21	6	390	< 0.5	< 2	0.31	0.5	14	35	31	3.90	< 10	< 1	0.12	10	0.77	740	4
BB 06160	201	202	< 0.2	3.23	8	330	< 0.5	< 2	1.34	< 0.5	37	61	60	6.25	10	< 1	0.06	< 10	2.12	1700	1
BB 06161	201	202	< 0.2	1.29	10	200	< 0.5	< 2	0.49	< 0.5	6	5	75	1.45	< 10	< 1	0.03	< 10	0.20	365	< 1
BB 06162	201	202	0.2	1.55	2	270	< 0.5	< 2	1.28	1.5	10	19	52	2.33	< 10	< 1	0.10	10	0.56	405	1
BB 06163	201	202	< 0.2	0.47	6	140	< 0.5	< 2	1.60	< 0.5	1	< 1	28	0.63	< 10	< 1	0.03	< 10	0.13	155	< 1
BB 06164	201	202	0.2	1.43	8	420	< 0.5	< 2	1.94	< 0.5	15	16	49	2.24	< 10	< 1	0.05	< 10	0.54	1900	< 1
BB 06165	201	202	< 0.2	1.73	8	400	< 0.5	< 2	1.20	2.0	14	35	33	2.74	< 10	< 1	0.07	10	0.47	630	1
BB 06166	201	202	0.2	1.06	6	420	< 0.5	< 2	2.02	< 0.5	6	14	30	1.47	< 10	< 1	0.06	< 10	0.47	300	< 1
BB 08159	201	202	0.2	3.02	12	820	0.5	< 2	0.30	< 0.5	28	53	461	6.60	< 10	< 1	0.16	10	0.76	430	5
BB 08160	201	202	< 0.2	2.68	2	560	< 0.5	< 2	0.80	0.5	34	30	57	5.79	10	< 1	0.15	< 10	0.89	1585	1
BB 08161	201	202	0.4	1.75	8	490	< 0.5	< 2	1.07	0.5	18	29	118	3.21	< 10	< 1	0.13	10	0.56	1130	1
BB 08162	201	202	0.2	3.11	6	620	0.5	< 2	0.99	2.0	39	54	73	6.38	10	< 1	0.12	< 10	1.39	1630	1
BB 08163	201	202	0.2	2.26	< 2	770	< 0.5	< 2	0.42	0.5	22	38	64	3.85	< 10	< 1	0.12	10	0.52	1260	2
BB 08164	201	202	< 0.2	2.41	2	630	< 0.5	< 2	0.18	< 0.5	10	36	43	3.69	< 10	1	0.05	10	0.52	545	1
BB 08165	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
BB 08166	201	202	0.2	1.74	< 2	960	< 0.5	< 2	0.26	< 0.5	14	21	87	3.14	< 10	< 1	0.10	10	0.34	1185	1
BB 08167	201	202	0.6	1.82	< 2	960	< 0.5	< 2	0.96	1.0	12	23	120	2.67	< 10	2	0.15	10	0.43	1415	< 1
BB 08168	201	202	< 0.2	1.73	10	720	< 0.5	< 2	0.83	0.5	15	35	1060	3.26	< 10	< 1	0.15	20	0.80	675	1
BB 08169	201	202	< 0.2	2.57	12	520	0.5	< 2	0.23	< 0.5	14	36	38	3.26	< 10	< 1	0.07	10	0.59	700	1
BB 08170	201	202	< 0.2	2.90	22	500	0.5	< 2	0.23	0.5	11	51	38	3.83	< 10	< 1	0.10	20	0.76	250	< 1

CERTIFICATION: Hart Bichler

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Project : ICE
Comments:

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CERTIFICATE OF ANALYSIS A9631074

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB 06139	201	202	0.11	< 1	230	16	< 2	< 1	11	0.01	< 10	< 10	12	< 10	8
BB 06140	201	202	0.04	25	980	8	< 2	5	61	0.06	< 10	< 10	62	< 10	192
BB 06141	201	202	0.01	10	240	10	< 2	3	16	0.05	< 10	< 10	78	< 10	84
BB 06142	201	202	0.07	3	700	< 2	< 2	1	49	0.04	< 10	< 10	39	< 10	28
BB 06143	201	202	0.01	14	380	12	< 2	5	26	0.06	< 10	< 10	74	< 10	144
BB 06144	201	202	0.04	11	330	8	< 2	4	26	0.05	< 10	< 10	61	< 10	76
BB 06145	201	202	0.05	8	610	2	< 2	1	57	0.03	< 10	< 10	33	< 10	62
BB 06146	201	202	0.03	23	800	10	< 2	4	53	0.01	< 10	< 10	70	< 10	116
BB 06147	201	202	0.02	13	430	4	< 2	3	21	0.04	< 10	< 10	53	< 10	58
BB 06148	201	202	0.04	5	270	4	< 2	1	14	0.04	< 10	< 10	47	< 10	48
BB 06149	201	202	0.02	17	650	8	< 2	4	28	0.11	< 10	< 10	121	< 10	188
BB 06150	201	202	0.01	10	450	6	2	1	10	0.03	< 10	< 10	76	< 10	128
BB 06151	201	202	< 0.01	26	450	12	< 2	4	27	0.01	< 10	< 10	84	< 10	134
BB 06152	201	202	< 0.01	29	420	18	< 2	4	26	0.05	< 10	< 10	82	< 10	202
BB 06153	201	202	0.01	14	330	10	< 2	3	12	0.06	< 10	< 10	82	< 10	122
BB 06154	201	202	0.07	3	220	6	< 2	1	16	0.07	< 10	< 10	40	< 10	36
BB 06155	201	202	< 0.01	26	480	10	< 2	7	24	0.06	< 10	< 10	73	< 10	88
BB 06156	201	202	0.01	19	640	16	< 2	3	32	0.03	< 10	< 10	73	< 10	162
BB 06157	201	202	0.03	23	380	8	< 2	2	19	0.03	< 10	< 10	61	< 10	116
BB 06158	201	202	< 0.01	30	870	10	< 2	6	26	0.03	< 10	< 10	110	< 10	126
BB 06159	201	202	< 0.01	27	540	16	< 2	4	15	0.06	< 10	< 10	108	< 10	120
BB 06160	201	202	< 0.01	27	360	6	< 2	13	21	0.22	< 10	< 10	201	< 10	80
BB 06161	201	202	0.07	5	670	4	< 2	3	14	0.03	< 10	< 10	36	< 10	28
BB 06162	201	202	0.02	21	720	12	< 2	5	26	0.02	< 10	< 10	72	< 10	100
BB 06163	201	202	0.06	< 1	530	6	< 2	< 1	22	0.01	< 10	< 10	16	< 10	16
BB 06164	201	202	0.02	18	950	2	< 2	5	36	0.02	< 10	< 10	51	< 10	70
BB 06165	201	202	0.01	16	750	6	< 2	5	27	0.05	< 10	< 10	82	< 10	208
BB 06166	201	202	0.01	13	880	2	< 2	3	47	0.03	< 10	< 10	41	< 10	92
BB 08159	201	202	< 0.01	39	790	20	< 2	6	20	0.03	< 10	< 10	115	< 10	128
BB 08160	201	202	0.03	19	620	4	4	7	29	0.16	< 10	< 10	169	< 10	210
BB 08161	201	202	0.01	29	800	12	< 2	5	22	0.05	< 10	< 10	72	< 10	158
BB 08162	201	202	0.01	26	560	8	6	15	21	0.18	< 10	< 10	211	< 10	330
BB 08163	201	202	< 0.01	33	680	16	< 2	4	22	0.07	< 10	< 10	93	< 10	418
BB 08164	201	202	< 0.01	15	320	18	< 2	3	10	0.06	< 10	< 10	96	< 10	92
BB 08165	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
BB 08166	201	202	0.01	33	490	16	< 2	3	16	0.01	< 10	< 10	55	< 10	200
BB 08167	201	202	0.04	27	600	12	2	5	23	0.03	< 10	< 10	60	< 10	242
BB 08168	201	202	< 0.01	39	1090	18	< 2	8	38	0.07	< 10	< 10	80	< 10	126
BB 08169	201	202	< 0.01	18	320	10	6	4	12	0.06	< 10	< 10	97	< 10	112
BB 08170	201	202	< 0.01	29	310	16	< 2	4	16	0.07	< 10	< 10	118	< 10	112

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : ICE
Comments:

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Certificate Date: 15-SEP-96
Invoice No. : I9631074
P.O. Number :
Account :MPO

CERTIFICATE OF ANALYSIS A9631074

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
BB 08171	201	202	< 0.2	2.51	2	410	< 0.5	< 2	0.19	< 0.5	12	45	20	3.17	10	< 1	0.11	20	0.60	365	1
BB 08172	201	202	0.8	3.05	2	1330	0.5	< 2	0.44	< 0.5	13	50	432	3.54	10	< 1	0.15	10	0.69	420	3
BB 08173	201	202	0.2	1.35	6	480	< 0.5	< 2	1.13	0.5	6	24	162	1.78	< 10	< 1	0.10	10	0.33	250	1
BB 08174	201	202	0.2	1.73	4	630	< 0.5	< 2	0.42	0.5	8	33	16	2.41	< 10	< 1	0.10	10	0.55	375	1
BB 08175	201	202	0.6	2.34	2	1170	0.5	< 2	0.76	0.5	11	42	40	2.73	10	< 1	0.19	10	0.70	510	2
BB 08176	201	202	< 0.2	2.61	4	510	< 0.5	< 2	0.31	2.0	22	58	32	4.41	10	< 1	0.13	10	0.83	1135	3
BB 08177	201	202	< 0.2	1.40	< 2	750	< 0.5	< 2	0.50	< 0.5	13	24	210	2.37	< 10	< 1	0.15	20	0.41	695	1
BB 08178	201	202	< 0.2	1.96	< 2	670	< 0.5	< 2	0.19	< 0.5	9	34	23	2.85	10	< 1	0.07	10	0.55	430	1
BB 08179	201	202	< 0.2	2.51	< 2	980	< 0.5	< 2	0.56	0.5	16	52	766	3.92	10	< 1	0.08	10	0.73	530	3
BB 09591	201	202	< 0.2	3.32	< 2	440	0.5	2	0.40	< 0.5	15	57	50	4.27	10	< 1	0.09	10	0.88	465	2
BB 09592	201	202	< 0.2	2.71	6	430	0.5	< 2	0.55	< 0.5	22	55	40	5.48	10	< 1	0.11	10	1.40	1305	1
BB 09593	201	202	< 0.2	1.96	< 2	480	< 0.5	< 2	0.95	< 0.5	17	48	63	3.94	10	< 1	0.09	10	1.17	670	1
BB 09594	201	202	0.4	2.28	2	650	0.5	< 2	1.14	< 0.5	14	56	48	3.90	10	< 1	0.09	10	1.00	680	1
BB 09595	201	202	0.2	2.38	6	690	0.5	10	1.69	0.5	19	58	70	4.21	10	< 1	0.17	10	1.47	855	1
BB 09596	201	202	< 0.2	2.51	< 2	700	0.5	< 2	1.45	0.5	21	55	72	4.55	10	< 1	0.13	10	1.49	995	1
BB 09597	201	202	< 0.2	2.70	6	690	0.5	2	2.40	0.5	23	59	79	4.76	10	< 1	0.14	< 10	1.83	1005	1
BB 09598	201	202	< 0.2	2.58	2	950	0.5	6	1.48	0.5	17	57	86	4.16	10	< 1	0.11	10	1.23	730	1
BB 09599	201	202	< 0.2	2.80	< 2	1000	0.5	< 2	1.60	0.5	17	63	142	4.28	10	< 1	0.11	10	1.49	515	1
BB 09600	201	202	< 0.2	2.75	8	680	0.5	< 2	0.22	0.5	12	61	37	3.75	10	< 1	0.20	10	0.84	600	2
BB 09601	201	202	< 0.2	1.91	8	490	0.5	< 2	0.29	< 0.5	15	46	42	3.12	10	< 1	0.12	10	0.77	925	1
BB 09602	201	202	< 0.2	2.57	< 2	1190	0.5	2	0.44	0.5	13	56	62	3.82	< 10	1	0.15	10	0.99	700	1
BB 09603	201	202	< 0.2	2.33	< 2	750	0.5	4	0.27	< 0.5	16	55	39	3.71	< 10	< 1	0.12	10	0.98	800	1
BB 09604	201	202	< 0.2	1.74	< 2	480	< 0.5	2	0.12	0.5	10	40	24	3.48	< 10	< 1	0.09	10	0.55	595	1
BB 09605	201	202	< 0.2	1.96	< 2	800	0.5	2	0.22	0.5	14	41	36	3.18	< 10	< 1	0.11	10	0.72	820	1
BB 09606	201	202	< 0.2	1.53	< 2	180	< 0.5	< 2	0.06	< 0.5	14	27	66	3.39	< 10	< 1	0.06	< 10	0.49	600	1
BB 09607	201	202	< 0.2	2.08	< 2	420	0.5	< 2	0.15	< 0.5	11	38	42	3.31	< 10	< 1	0.13	10	0.59	655	1
BB 09608	201	202	< 0.2	2.44	< 2	930	0.5	2	0.24	0.5	14	53	58	3.62	< 10	< 1	0.15	10	0.76	745	1
BB 09609	201	202	< 0.2	2.94	< 2	2730	0.5	4	0.50	1.0	21	45	44	4.97	10	< 1	0.11	< 10	1.69	845	1
BB 09610	201	202	< 0.2	1.38	< 2	720	< 0.5	2	0.18	< 0.5	11	28	26	2.67	< 10	< 1	0.16	30	0.50	970	1

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To: EXPATRIATE RESOURCES LTD.
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1016 - 510 W. HASTINGS ST.
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Certificate Date: 15-SEP-9
Invoice No. :I9631074
P.O. Number :
Account :MPO

CERTIFICATE OF ANALYSIS A9631074

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB 08171	201	202	< 0.01	19	190	10	2	4	14	0.08	< 10	< 10	102	< 10	126
BB 08172	201	202	< 0.01	29	480	16	4	5	22	0.03	< 10	< 10	106	< 10	134
BB 08173	201	202	0.03	16	420	10	< 2	3	26	0.03	< 10	< 10	49	< 10	116
BB 08174	201	202	< 0.01	20	280	8	< 2	3	22	0.05	< 10	< 10	73	< 10	96
BB 08175	201	202	0.01	33	540	12	< 2	7	37	0.04	< 10	< 10	80	< 10	112
BB 08176	201	202	< 0.01	31	630	12	2	5	16	0.10	< 10	< 10	130	< 10	296
BB 08177	201	202	0.01	27	450	6	< 2	4	13	0.01	< 10	< 10	36	< 10	182
BB 08178	201	202	< 0.01	20	160	10	< 2	3	13	0.04	< 10	< 10	82	< 10	68
BB 08179	201	202	< 0.01	28	440	12	2	9	30	0.07	< 10	< 10	115	< 10	194
BB 09591	201	202	< 0.01	31	250	12	2	6	20	0.10	< 10	< 10	127	< 10	106
BB 09592	201	202	< 0.01	35	380	8	< 2	8	19	0.11	< 10	< 10	132	< 10	122
BB 09593	201	202	< 0.01	35	650	10	2	14	31	0.07	< 10	< 10	103	< 10	114
BB 09594	201	202	< 0.01	33	550	8	2	9	31	0.09	< 10	< 10	104	< 10	88
BB 09595	201	202	0.02	45	860	10	2	12	46	0.14	< 10	< 10	115	< 10	122
BB 09596	201	202	< 0.01	43	720	8	< 2	13	34	0.20	< 10	< 10	132	< 10	112
BB 09597	201	202	< 0.01	46	710	8	2	13	47	0.21	< 10	< 10	138	< 10	112
BB 09598	201	202	< 0.01	37	870	8	< 2	14	33	0.16	< 10	< 10	124	< 10	200
BB 09599	201	202	< 0.01	40	830	6	2	17	37	0.14	< 10	< 10	120	< 10	344
BB 09600	201	202	< 0.01	40	980	14	2	5	19	0.03	< 10	< 10	90	< 10	138
BB 09601	201	202	< 0.01	40	990	16	< 2	5	20	0.03	< 10	< 10	68	< 10	106
BB 09602	201	202	< 0.01	48	870	12	2	8	20	0.03	< 10	< 10	86	< 10	124
BB 09603	201	202	< 0.01	40	670	10	2	6	16	0.04	< 10	< 10	83	< 10	98
BB 09604	201	202	< 0.01	24	480	12	2	3	10	0.03	< 10	< 10	75	< 10	80
BB 09605	201	202	< 0.01	37	560	14	2	5	16	0.03	< 10	< 10	66	< 10	90
BB 09606	201	202	< 0.01	31	390	18	2	3	12	< 0.01	< 10	< 10	43	< 10	84
BB 09607	201	202	< 0.01	30	690	10	2	4	13	0.02	< 10	< 10	74	< 10	94
BB 09608	201	202	< 0.01	34	340	12	2	6	16	0.03	< 10	< 10	97	< 10	96
BB 09609	201	202	< 0.01	28	510	2	2	8	38	0.14	< 10	< 10	156	< 10	114
BB 09610	201	202	< 0.01	21	470	8	2	3	12	0.02	< 10	< 10	68	< 10	76

CERTIFICATION: Hart Bichler

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* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9628881

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
BB06001	201	202	< 0.2	1.98	10	400	< 0.5	< 2	0.43	< 0.5	13	73	25	3.78	< 10	< 1	0.03	< 10	0.71	475	1
BB06002	201	202	< 0.2	2.63	14	450	< 0.5	< 2	0.50	< 0.5	30	150	32	4.54	< 10	< 1	0.03	< 10	1.37	855	< 1
BB06003	201	202	< 0.2	2.75	4	400	< 0.5	< 2	1.33	< 0.5	23	195	85	4.14	< 10	< 1	0.04	10	2.26	595	< 1
BB06004	201	202	< 0.2	2.05	6	340	< 0.5	< 2	0.63	< 0.5	33	361	26	4.09	< 10	< 1	0.05	< 10	4.73	625	< 1
BB06005	201	202	< 0.2	1.93	8	360	< 0.5	< 2	0.39	< 0.5	17	83	30	5.04	< 10	< 1	0.05	10	0.93	790	1
BB06006	201	202	< 0.2	1.93	10	690	< 0.5	< 2	0.57	< 0.5	13	114	30	3.05	< 10	< 1	0.05	10	1.93	515	< 1
BB06101	201	202	0.2	1.55	12	550	< 0.5	< 2	1.57	1.5	19	28	1115	2.48	< 10	< 1	0.15	10	0.66	475	1
BB06102	201	202	< 0.2	0.61	< 2	190	< 0.5	< 2	0.13	< 0.5	4	7	9	1.19	< 10	< 1	0.03	< 10	0.14	140	< 1
BB06103	201	202	< 0.2	1.78	6	300	< 0.5	< 2	0.68	< 0.5	23	12	49	3.79	< 10	< 1	0.12	< 10	0.48	1485	< 1
BB06104	201	202	< 0.2	1.22	< 2	180	< 0.5	< 2	0.50	< 0.5	8	4	24	1.68	< 10	< 1	0.04	< 10	0.21	850	< 1
BB06105	201	202	0.2	0.97	< 2	180	< 0.5	< 2	0.16	0.5	11	13	16	1.78	< 10	< 1	0.07	< 10	0.17	540	< 1
BB06106	201	202	0.2	0.82	< 2	160	< 0.5	< 2	2.30	< 0.5	7	9	201	1.08	< 10	< 1	0.05	< 10	0.42	600	< 1
BB06107	201	202	< 0.2	2.52	4	300	< 0.5	< 2	0.54	0.5	18	36	50	3.95	< 10	< 1	0.10	10	0.65	995	1
BB06108	201	202	0.2	1.43	6	290	< 0.5	< 2	1.29	< 0.5	12	25	273	2.65	< 10	< 1	0.08	< 10	0.44	655	1
BB06109	201	202	< 0.2	1.49	8	460	< 0.5	< 2	1.33	1.0	22	27	866	2.41	< 10	< 1	0.12	10	0.62	475	1
BB06110	201	202	0.2	0.46	< 2	250	< 0.5	< 2	2.22	< 0.5	2	6	54	0.51	< 10	< 1	0.04	< 10	0.21	125	1
BB06111	201	202	0.2	0.37	< 2	420	< 0.5	< 2	3.44	< 0.5	1	4	29	0.31	< 10	< 1	0.03	< 10	0.19	235	1
BB06112	201	202	0.4	0.36	< 2	550	< 0.5	< 2	2.94	1.5	3	4	21	0.56	< 10	< 1	0.11	< 10	0.10	1275	1
BB06113	201	202	0.2	0.18	< 2	130	< 0.5	< 2	0.67	< 0.5	1	1	4	0.29	< 10	< 1	0.04	< 10	0.06	185	< 1
BB06114	201	202	< 0.2	0.31	< 2	130	< 0.5	< 2	0.19	< 0.5	1	4	9	0.48	< 10	< 1	0.07	< 10	0.07	80	< 1
BB06115	201	202	< 0.2	0.25	< 2	70	< 0.5	< 2	0.21	< 0.5	2	4	4	0.42	< 10	< 1	0.05	< 10	0.07	250	< 1
BB06116	201	202	< 0.2	0.20	< 2	170	< 0.5	< 2	0.21	< 0.5	1	2	8	0.37	< 10	< 1	0.05	< 10	0.05	215	< 1
BB06117	201	202	< 0.2	1.75	8	370	< 0.5	< 2	0.45	< 0.5	14	33	18	3.38	< 10	< 1	0.11	10	0.58	320	1
BB06118	201	202	0.2	0.98	4	420	< 0.5	< 2	0.33	< 0.5	8	21	25	1.84	< 10	< 1	0.10	10	0.31	620	1
BB06119	201	202	< 0.2	1.62	6	530	< 0.5	< 2	1.56	0.5	15	30	878	2.62	< 10	< 1	0.14	10	0.71	545	1
BB06120	201	202	< 0.2	1.48	8	350	< 0.5	< 2	0.59	< 0.5	10	25	35	2.66	< 10	< 1	0.08	< 10	0.45	265	1
BB06121	201	202	0.2	2.05	6	190	< 0.5	< 2	0.88	< 0.5	23	38	49	3.52	< 10	< 1	0.08	< 10	0.68	1025	1
BB06122	201	202	0.2	0.74	< 2	280	< 0.5	< 2	0.12	< 0.5	6	11	9	1.07	< 10	< 1	0.06	< 10	0.13	695	< 1
BB06123	201	202	< 0.2	2.04	4	280	< 0.5	< 2	0.35	< 0.5	12	39	70	3.59	< 10	< 1	0.05	10	0.49	275	< 1
BB06124	201	202	< 0.2	2.28	8	240	< 0.5	< 2	0.51	< 0.5	20	34	66	4.54	< 10	< 1	0.08	10	0.65	555	1
BB06125	201	202	0.2	1.67	8	380	< 0.5	< 2	1.17	< 0.5	11	32	70	2.65	< 10	< 1	0.08	< 10	0.56	660	1
BB06126	201	202	< 0.2	2.04	2	340	< 0.5	< 2	0.58	< 0.5	13	38	47	3.23	< 10	< 1	0.06	10	0.65	430	1
BB06127	201	202	0.2	1.48	6	370	< 0.5	< 2	2.09	0.5	9	28	119	2.34	< 10	< 1	0.07	< 10	0.69	370	< 1
BB06128	201	202	< 0.2	1.20	2	230	< 0.5	< 2	0.81	0.5	8	22	15	2.21	< 10	< 1	0.09	< 10	0.39	320	1
BB06129	201	202	0.2	0.50	< 2	240	< 0.5	< 2	0.56	< 0.5	4	5	9	0.61	< 10	< 1	0.03	< 10	0.08	440	1
BB06130	201	202	< 0.2	1.20	< 2	150	< 0.5	< 2	0.52	0.5	5	24	7	2.34	< 10	< 1	0.05	10	0.34	135	1
BB06131	201	202	< 0.2	2.12	10	440	< 0.5	< 2	0.36	< 0.5	21	41	20	3.66	< 10	< 1	0.14	10	0.62	1365	1
BB06132	201	202	< 0.2	1.46	6	310	< 0.5	< 2	0.45	< 0.5	7	34	13	2.09	< 10	< 1	0.10	10	0.63	210	1
BB06133	201	202	0.2	1.65	8	450	< 0.5	< 2	1.29	0.5	10	32	25	2.43	< 10	< 1	0.13	10	0.68	405	1
BB06134	201	202	0.2	1.06	2	430	< 0.5	< 2	1.75	< 0.5	5	15	62	1.23	< 10	< 1	0.07	< 10	0.34	415	1

CERTIFICATION: Hart Bichler

* INTERFERENCE: HIGH Cu on Bi and P

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BB06001	201	202	< 0.01	34	440	8	< 2	4	19	0.13	< 10	< 10	107	< 10	88
BB06002	201	202	< 0.01	98	330	10	< 2	6	15	0.14	< 10	< 10	117	< 10	124
BB06003	201	202	< 0.01	176	580	4	2	12	17	0.14	< 10	< 10	113	< 10	92
BB06004	201	202	< 0.01	306	370	6	< 2	8	13	0.13	< 10	< 10	92	< 10	60
BB06005	201	202	< 0.01	43	600	6	< 2	5	18	0.16	< 10	< 10	140	< 10	60
BB06006	201	202	< 0.01	102	400	8	< 2	5	26	0.09	< 10	< 10	75	< 10	52
BB06101	201	202	0.01	30	1110	10	< 2	6	49	0.05	< 10	< 10	59	< 10	216
BB06102	201	202	0.06	4	110	2	< 2	< 1	8	0.04	< 10	< 10	45	< 10	30
BB06103	201	202	0.05	12	510	2	< 2	11	25	0.11	< 10	< 10	102	< 10	120
BB06104	201	202	0.08	5	530	< 2	< 2	6	18	0.04	< 10	< 10	47	< 10	46
BB06105	201	202	0.05	8	330	6	< 2	1	9	0.04	< 10	< 10	47	< 10	104
BB06106	201	202	0.06	8	1030	< 2	< 2	8	40	0.01	< 10	< 10	28	< 10	44
BB06107	201	202	0.01	26	330	14	< 2	4	22	0.05	< 10	< 10	109	< 10	140
BB06108	201	202	0.04	16	490	4	< 2	9	32	0.03	< 10	< 10	82	< 10	102
BB06109	201	202	0.01	25	1000	10	2	6	42	0.03	< 10	< 10	54	< 10	212
BB06110	201	202	0.03	9	730	< 2	< 2	1	57	< 0.01	< 10	< 10	12	< 10	24
BB06111	201	202	0.01	6	680	< 2	< 2	< 1	79	< 0.01	< 10	< 10	8	< 10	10
BB06112	201	202	0.05	6	1300	< 2	< 2	1	47	0.01	< 10	< 10	13	< 10	244
BB06113	201	202	0.08	1	300	< 2	< 2	< 1	17	0.01	< 10	< 10	10	< 10	6
BB06114	201	202	0.08	2	130	< 2	< 2	< 1	9	0.02	< 10	< 10	14	< 10	8
BB06115	201	202	0.08	2	280	< 2	< 2	< 1	10	0.01	< 10	< 10	14	< 10	12
BB06116	201	202	0.09	3	250	< 2	< 2	< 1	9	0.01	< 10	< 10	12	< 10	40
BB06117	201	202	0.02	21	500	8	< 2	3	19	0.08	< 10	< 10	103	< 10	84
BB06118	201	202	0.04	14	450	10	< 2	2	15	0.04	< 10	< 10	49	< 10	90
BB06119	201	202	0.01	28	1010	10	2	6	50	0.07	< 10	< 10	72	< 10	146
BB06120	201	202	0.01	17	210	8	< 2	3	18	0.06	< 10	< 10	82	< 10	58
BB06121	201	202	0.03	24	330	2	2	8	20	0.07	< 10	< 10	108	< 10	66
BB06122	201	202	0.04	6	220	2	< 2	1	6	0.03	< 10	< 10	31	< 10	46
BB06123	201	202	< 0.01	16	680	8	< 2	3	10	0.10	< 10	< 10	118	< 10	102
BB06124	201	202	< 0.01	23	420	8	< 2	4	17	0.11	< 10	< 10	127	< 10	174
BB06125	201	202	0.02	19	250	6	< 2	5	22	0.08	< 10	< 10	83	< 10	64
BB06126	201	202	0.01	23	290	8	2	4	14	0.10	< 10	< 10	97	< 10	92
BB06127	201	202	0.03	19	710	2	< 2	7	38	0.09	< 10	< 10	79	< 10	78
BB06128	201	202	0.02	13	470	8	< 2	2	16	0.05	< 10	< 10	62	< 10	104
BB06129	201	202	0.07	5	650	< 2	< 2	< 1	22	0.01	< 10	< 10	16	< 10	12
BB06130	201	202	< 0.01	15	450	8	< 2	1	15	0.05	< 10	< 10	81	< 10	64
BB06131	201	202	< 0.01	25	1100	12	< 2	4	15	0.04	< 10	< 10	98	< 10	140
BB06132	201	202	< 0.01	19	450	8	< 2	3	18	0.06	< 10	< 10	74	< 10	112
BB06133	201	202	0.02	29	490	10	< 2	5	40	0.04	< 10	< 10	58	< 10	124
BB06134	201	202	0.05	18	560	4	< 2	3	39	0.02	< 10	< 10	36	< 10	46

CERTIFICATION: Hart Bichler

*INTERFERENCE: HIGH Cu on Bi and P

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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PHONE: 604-984-0221 FAX: 604-984-0218

To: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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VANCOUVER, BC
V6B 1L8

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* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9628881

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
BB06135	201	202	1.0	1.34	< 2	560	< 0.5	< 2	1.17	1.0	7	23	40	1.37	< 10	< 1	0.06	< 10	0.52	340	1
BB06136	201	202	< 0.2	1.08	< 2	360	< 0.5	< 2	0.31	< 0.5	6	14	18	1.40	< 10	< 1	0.07	< 10	0.22	395	1
BB06137	201	202	< 0.2	1.57	2	380	< 0.5	< 2	0.33	< 0.5	5	21	14	2.12	< 10	< 1	0.07	10	0.34	190	< 1
BB06138	201	202	< 0.2	1.46	4	410	< 0.5	< 2	0.25	< 0.5	8	23	23	2.22	< 10	< 1	0.10	10	0.42	180	1
BB01401	201	202	0.2	1.65	10	610	< 0.5	< 2	1.31	1.0	38	29	2670	2.63	< 10	< 1	0.14	10	0.56	410	< 1
BB01402	201	202	0.6	2.23	8	530	< 0.5	< 2	1.19	2.0	97	38	6720	4.52	< 10	< 1	0.11	10	0.59	590	2
BB01403	201	202	0.8	2.23	< 2	580	< 0.5	< 2	1.39	1.5	110	33	4330	3.27	< 10	< 1	0.12	< 10	0.51	690	2
BB01404	201	202	1.0	1.97	< 2	990	< 0.5	Intf*	1.18	2.5	292	30	>10000	2.76	< 10	< 1	0.11	< 10	0.48	1525	2
BB01405	201	202	< 0.2	1.52	2	280	< 0.5	< 2	0.36	< 0.5	16	26	61	3.61	< 10	< 1	0.11	< 10	0.72	1915	< 1
BB01406	201	202	< 0.2	0.29	< 2	60	< 0.5	< 2	0.74	< 0.5	< 1	2	12	0.26	< 10	< 1	0.03	< 10	0.07	45	< 1
BB01407	201	202	0.2	0.52	< 2	140	< 0.5	< 2	1.42	< 0.5	1	4	35	0.54	< 10	< 1	0.03	< 10	0.10	85	< 1
BB01408	201	202	0.2	1.58	6	330	< 0.5	< 2	1.53	< 0.5	10	24	56	2.59	< 10	< 1	0.07	10	0.56	290	< 1
BB01409	201	202	< 0.2	0.38	< 2	80	< 0.5	< 2	0.16	< 0.5	2	5	7	0.52	< 10	< 1	0.05	< 10	0.09	115	< 1
BB01410	201	202	0.6	1.74	8	480	0.5	< 2	1.14	4.0	14	39	74	2.95	< 10	< 1	0.13	< 10	0.43	1155	1
BB01411	201	202	< 0.2	1.15	6	240	< 0.5	< 2	0.11	< 0.5	5	21	19	1.93	< 10	< 1	0.11	20	0.27	145	1
BB01412	201	202	< 0.2	1.15	2	340	< 0.5	< 2	0.47	< 0.5	7	23	14	1.83	< 10	< 1	0.11	10	0.44	450	< 1
BB05229	201	202	0.2	2.15	2	440	0.5	< 2	0.53	< 0.5	11	37	70	2.92	< 10	< 1	0.11	10	0.52	730	1
BB05230	201	202	< 0.2	2.40	< 2	570	0.5	< 2	0.83	0.5	12	43	41	3.49	< 10	< 1	0.12	10	0.69	490	1
BB05231	201	202	< 0.2	2.16	< 2	460	< 0.5	< 2	0.59	0.5	19	45	43	4.01	< 10	< 1	0.09	10	0.91	885	1
BB05232	201	202	< 0.2	2.24	12	410	< 0.5	< 2	0.25	< 0.5	13	48	31	4.06	< 10	< 1	0.07	10	0.76	445	1
BB05233	201	202	< 0.2	1.77	8	460	< 0.5	< 2	0.83	< 0.5	11	40	29	3.09	< 10	< 1	0.07	10	0.77	430	1
BB05234	201	202	< 0.2	3.06	2	520	< 0.5	< 2	0.44	< 0.5	19	66	43	5.63	< 10	< 1	0.08	10	1.01	960	< 1
BB05235	201	202	< 0.2	2.11	6	640	< 0.5	< 2	0.73	< 0.5	10	37	28	2.69	< 10	< 1	0.07	10	0.71	535	< 1
BB05236	201	202	< 0.2	1.71	6	410	< 0.5	< 2	0.35	< 0.5	11	36	33	2.77	< 10	< 1	0.10	10	0.59	520	1
BB08180	201	202	< 0.2	1.69	12	420	< 0.5	< 2	0.50	< 0.5	10	32	205	2.78	< 10	< 1	0.12	10	0.66	320	1
BB08181	201	202	0.6	1.87	12	480	< 0.5	< 2	1.01	0.5	19	44	640	3.68	< 10	< 1	0.08	10	0.66	630	3
BB08182	201	202	< 0.2	2.34	10	650	< 0.5	< 2	0.46	< 0.5	22	39	65	4.14	< 10	< 1	0.05	10	1.06	690	1
BB08183	201	202	< 0.2	3.06	4	680	< 0.5	< 2	0.92	0.5	39	49	93	7.38	10	< 1	0.08	< 10	1.07	1800	2
BB08184	201	202	< 0.2	2.39	8	330	< 0.5	< 2	0.27	< 0.5	29	33	27	5.86	< 10	< 1	0.02	< 10	0.59	1480	< 1
BB08185	201	202	< 0.2	2.59	6	360	< 0.5	< 2	0.11	< 0.5	8	40	58	3.40	< 10	< 1	0.05	10	0.49	375	1
BB08186	201	202	< 0.2	1.36	8	620	< 0.5	< 2	0.15	0.5	13	18	65	3.54	< 10	< 1	0.10	10	0.22	1415	1
BB08187	201	202	< 0.2	0.88	6	440	< 0.5	< 2	0.13	< 0.5	7	17	48	2.16	< 10	< 1	0.08	20	0.23	310	1
BB08188	201	202	0.2	1.73	6	780	< 0.5	< 2	0.67	1.5	26	37	1100	4.96	< 10	< 1	0.07	10	0.38	575	2
BB08189	201	202	0.4	1.88	12	1510	0.5	< 2	1.01	1.5	30	35	770	2.82	< 10	< 1	0.21	10	0.71	450	2
BB08190	201	202	< 0.2	1.78	6	470	< 0.5	< 2	0.35	< 0.5	8	32	26	2.62	< 10	< 1	0.08	10	0.67	245	1
BB08191	201	202	< 0.2	2.53	20	300	< 0.5	< 2	0.20	< 0.5	10	43	35	3.49	< 10	< 1	0.06	10	0.60	275	1
BB08192	201	202	< 0.2	1.71	24	220	< 0.5	< 2	0.24	< 0.5	12	35	30	3.35	< 10	< 1	0.09	10	0.56	460	< 1
BB08193	201	202	< 0.2	1.45	14	570	< 0.5	< 2	0.52	< 0.5	9	32	277	2.54	< 10	< 1	0.07	10	0.67	345	1
BB08194	201	202	0.6	2.04	8	980	0.5	< 2	0.60	1.0	15	43	166	2.84	< 10	< 1	0.15	20	0.60	1260	2
BB08195	201	202	< 0.2	2.56	8	370	< 0.5	< 2	0.58	< 0.5	19	47	61	4.70	< 10	< 1	0.08	< 10	0.99	870	1

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1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
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SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB06135	201	202	0.03	19	450	6	< 2	3	39	0.03	< 10	< 10	36	< 10	146
BB06136	201	202	0.04	12	350	6	< 2	1	18	0.03	< 10	< 10	42	< 10	66
BB06137	201	202	0.01	13	460	6	< 2	1	17	0.04	< 10	< 10	73	< 10	96
BB06138	201	202	0.02	20	180	10	< 2	3	14	0.03	< 10	< 10	59	< 10	56
BB01401	201	202	0.01	28	810	8	2	8	42	0.03	< 10	< 10	55	< 10	216
BB01402	201	202	0.01	29	950	6	< 2	14	34	0.05	< 10	< 10	79	< 10	272
BB01403	201	202	0.02	26	1020	8	< 2	15	36	0.02	< 10	< 10	60	< 10	240
BB01404	201	202	0.03	22	Intf*	2	< 2	10	46	0.03	< 10	< 10	53	< 10	78
BB01405	201	202	0.02	17	400	4	< 2	7	11	0.07	< 10	< 10	104	< 10	60
BB01406	201	202	0.11	1	380	< 2	< 2	1	11	0.01	< 10	< 10	9	< 10	4
BB01407	201	202	0.07	5	760	< 2	< 2	< 1	21	0.01	< 10	< 10	12	< 10	12
BB01408	201	202	0.02	26	760	8	2	6	27	0.03	< 10	< 10	70	< 10	78
BB01409	201	202	0.08	3	300	2	< 2	< 1	8	0.01	< 10	< 10	18	< 10	14
BB01410	201	202	0.01	35	800	14	< 2	6	32	0.03	< 10	< 10	68	< 10	372
BB01411	201	202	0.01	17	270	10	< 2	1	12	0.02	< 10	< 10	42	< 10	86
BB01412	201	202	0.03	16	190	2	< 2	3	14	0.02	< 10	< 10	51	< 10	64
BB05229	201	202	0.03	28	460	12	< 2	9	18	0.03	< 10	< 10	80	< 10	78
BB05230	201	202	< 0.01	25	290	12	2	6	19	0.05	< 10	< 10	100	< 10	82
BB05231	201	202	< 0.01	26	370	8	< 2	6	15	0.11	< 10	< 10	127	< 10	234
BB05232	201	202	< 0.01	22	340	8	< 2	5	11	0.08	< 10	< 10	112	< 10	72
BB05233	201	202	< 0.01	23	320	10	< 2	6	17	0.08	< 10	< 10	90	< 10	58
BB05234	201	202	< 0.01	30	290	10	< 2	8	13	0.15	< 10	< 10	163	< 10	132
BB05235	201	202	0.01	24	240	10	< 2	6	14	0.05	< 10	< 10	74	< 10	70
BB05236	201	202	0.01	28	350	10	< 2	5	13	0.04	< 10	< 10	66	< 10	82
BB08180	201	202	< 0.01	28	580	10	< 2	4	24	0.06	< 10	< 10	68	< 10	84
BB08181	201	202	0.02	28	570	8	< 2	11	29	0.06	< 10	< 10	97	< 10	142
BB08182	201	202	< 0.01	29	160	10	< 2	6	14	0.07	< 10	< 10	98	< 10	78
BB08183	201	202	< 0.01	32	860	8	< 2	15	23	0.16	< 10	< 10	179	< 10	172
BB08184	201	202	< 0.01	18	470	6	< 2	5	8	0.11	< 10	< 10	158	< 10	122
BB08185	201	202	< 0.01	22	410	12	2	4	6	0.05	< 10	< 10	94	< 10	112
BB08186	201	202	0.01	31	1280	8	< 2	2	12	0.01	< 10	< 10	42	< 10	202
BB08187	201	202	< 0.01	23	390	10	< 2	1	12	0.01	< 10	< 10	31	< 10	108
BB08188	201	202	0.01	21	630	16	< 2	5	23	0.06	< 10	< 10	109	< 10	342
BB08189	201	202	0.01	35	810	14	< 2	7	46	0.04	< 10	< 10	70	< 10	216
BB08190	201	202	< 0.01	23	390	10	< 2	3	16	0.06	< 10	< 10	69	< 10	70
BB08191	201	202	< 0.01	22	260	18	< 2	4	10	0.06	< 10	< 10	99	< 10	84
BB08192	201	202	< 0.01	23	430	14	< 2	4	9	0.07	< 10	< 10	81	< 10	74
BB08193	201	202	0.01	33	440	10	< 2	6	21	0.06	< 10	< 10	55	< 10	92
BB08194	201	202	0.01	43	730	16	< 2	10	26	0.03	< 10	< 10	79	< 10	226
BB08195	201	202	< 0.01	32	420	8	< 2	9	14	0.17	< 10	< 10	135	< 10	90

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SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
BB08196	201	202	< 0.2	2.12	12	430	< 0.5	< 2	0.32	< 0.5	9	38	21	3.46	< 10	< 1	0.05	10	0.58	315	1
BB08197	201	202	< 0.2	2.06	2	320	< 0.5	< 2	0.33	< 0.5	11	32	23	3.82	< 10	< 1	0.06	10	0.59	380	< 1
BB08198	201	202	< 0.2	1.38	2	440	< 0.5	< 2	0.34	< 0.5	11	29	25	1.89	< 10	< 1	0.05	10	0.61	790	< 1
BB08084	201	202	< 0.2	1.73	6	430	< 0.5	< 2	0.10	< 0.5	7	34	18	2.45	< 10	< 1	0.06	10	0.55	235	1
BB08085	201	202	< 0.2	3.22	14	640	0.5	< 2	0.08	0.5	10	53	30	3.59	< 10	< 1	0.10	10	0.66	230	3
BB08086	201	202	< 0.2	2.44	8	610	0.5	< 2	0.11	< 0.5	13	51	68	3.48	< 10	< 1	0.07	< 10	0.72	455	< 1
BB08087	201	202	< 0.2	2.01	12	540	< 0.5	< 2	0.08	< 0.5	9	36	35	3.05	< 10	< 1	0.06	10	0.46	355	1
BB08088	201	202	< 0.2	2.60	14	380	0.5	< 2	0.27	< 0.5	16	25	31	5.88	10	< 1	0.03	< 10	0.65	720	1
BB08089	201	202	< 0.2	2.78	16	1120	0.5	< 2	0.21	< 0.5	11	35	50	4.07	< 10	< 1	0.07	< 10	0.77	320	2
BB08090	201	202	< 0.2	4.97	4	1380	< 0.5	< 2	0.58	0.5	33	134	103	9.01	10	< 1	0.01	< 10	2.78	1180	< 1
BB08091	201	202	< 0.2	3.81	4	300	< 0.5	< 2	0.51	< 0.5	32	159	84	6.99	10	< 1	0.01	< 10	1.38	950	< 1
BB08092	201	202	< 0.2	3.62	6	410	< 0.5	< 2	0.41	< 0.5	19	89	53	5.91	10	< 1	0.03	< 10	1.60	685	< 1
BB08093	201	202	< 0.2	2.53	20	410	< 0.5	< 2	0.31	< 0.5	11	57	37	3.54	< 10	< 1	0.05	10	0.80	330	< 1
BB08094	201	202	< 0.2	2.58	12	530	0.5	< 2	0.14	< 0.5	9	46	28	3.37	< 10	< 1	0.10	10	0.63	410	< 1
BB09501	201	202	< 0.2	1.27	12	290	0.5	< 2	0.09	< 0.5	7	21	17	2.32	< 10	< 1	0.08	30	0.22	990	< 1
BB09502	201	202	< 0.2	1.14	16	190	< 0.5	< 2	0.06	< 0.5	5	23	16	2.24	< 10	< 1	0.04	10	0.29	275	1
BB09503	201	202	< 0.2	1.39	10	400	< 0.5	< 2	0.06	< 0.5	7	34	30	2.56	< 10	< 1	0.05	10	0.41	435	1
BB09504	201	202	< 0.2	1.09	4	220	< 0.5	< 2	0.04	< 0.5	7	27	30	2.41	< 10	< 1	0.05	10	0.31	560	1
BB09505	201	202	< 0.2	1.64	8	350	< 0.5	< 2	0.09	< 0.5	6	37	30	2.48	< 10	< 1	0.05	10	0.44	355	1
BB09506	201	202	< 0.2	1.13	2	530	< 0.5	< 2	0.06	< 0.5	17	36	56	2.58	< 10	< 1	0.06	10	0.34	2870	1
BB09507	201	202	< 0.2	1.35	8	870	< 0.5	< 2	0.11	< 0.5	6	37	49	2.71	< 10	< 1	0.08	10	0.25	830	< 1
BB09508	201	202	< 0.2	2.85	12	1860	0.5	< 2	0.21	< 0.5	7	87	96	4.18	< 10	< 1	0.11	30	0.44	455	1
BB09509	201	202	< 0.2	1.42	10	330	< 0.5	< 2	0.11	< 0.5	9	76	25	2.79	< 10	< 1	0.06	10	0.62	345	< 1
BB09510	201	202	< 0.2	2.89	6	520	< 0.5	< 2	0.51	< 0.5	12	30	83	3.93	< 10	< 1	0.03	30	1.45	1015	1
BB09511	201	202	< 0.2	2.29	< 2	530	< 0.5	< 2	0.34	< 0.5	13	26	119	2.70	< 10	< 1	0.05	20	1.13	2180	< 1
BB09512	201	202	< 0.2	1.22	8	520	< 0.5	< 2	0.22	< 0.5	7	51	36	2.11	< 10	< 1	0.07	30	0.41	175	1
BB09513	201	202	< 0.2	1.67	10	740	< 0.5	< 2	0.41	< 0.5	17	238	26	3.42	< 10	< 1	0.05	10	1.85	425	1
BB09514	201	202	< 0.2	1.51	12	350	< 0.5	< 2	0.49	< 0.5	23	267	30	2.93	< 10	< 1	0.03	10	2.64	615	< 1
BB09515	201	202	< 0.2	2.14	6	620	< 0.5	< 2	1.11	< 0.5	19	153	41	3.03	< 10	< 1	0.03	< 10	1.79	485	1
BB09516	201	202	< 0.2	1.99	10	630	< 0.5	< 2	0.82	< 0.5	31	236	52	3.38	< 10	< 1	0.05	< 10	1.78	665	< 1
BB09517	201	202	< 0.2	2.28	< 2	450	< 0.5	< 2	0.68	< 0.5	25	234	42	3.13	< 10	< 1	0.03	< 10	2.16	555	< 1
BB09518	201	202	< 0.2	2.11	2	390	< 0.5	< 2	0.68	< 0.5	40	484	60	3.97	< 10	< 1	0.05	< 10	3.97	615	< 1
BB09519	201	202	< 0.2	2.11	2	500	< 0.5	< 2	1.21	< 0.5	30	229	52	2.97	< 10	< 1	0.05	< 10	2.49	495	< 1
BB09520	201	202	< 0.2	1.84	2	180	< 0.5	< 2	0.30	< 0.5	66	881	37	4.38	< 10	< 1	0.04	< 10	9.72	775	< 1
BB09521	201	202	< 0.2	1.04	< 2	140	< 0.5	< 2	0.36	< 0.5	64	1080	26	4.05	< 10	< 1	0.03	< 10	11.35	580	< 1
BB09522	201	202	< 0.2	1.80	6	210	< 0.5	< 2	0.86	< 0.5	24	275	12	3.21	< 10	< 1	0.02	< 10	2.57	465	< 1
BB09523	201	202	< 0.2	1.68	4	190	< 0.5	< 2	0.74	< 0.5	23	344	16	3.26	< 10	< 1	0.03	< 10	3.41	495	< 1
BB09524	201	202	< 0.2	1.83	2	360	< 0.5	< 2	0.45	< 0.5	36	460	18	3.77	< 10	< 1	0.04	10	4.29	525	< 1
BB09525	201	202	< 0.2	1.36	10	190	< 0.5	< 2	0.38	< 0.5	55	648	20	3.63	< 10	< 1	0.06	< 10	7.00	765	< 1
BB09526	201	202	< 0.2	1.14	4	180	< 0.5	< 2	0.29	< 0.5	57	618	21	3.72	< 10	< 1	0.05	10	6.27	645	< 1

CERTIFICATION: Hart Bichler

* INTERFERENCE: HIGH Cu on Bi and P

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

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Page Number :3-B
Total Pages :5
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P.O. Number :
Account :MPO

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9628881

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB08196	201	202	< 0.01	23	240	12	< 2	3	9	0.07	< 10	< 10	90	< 10	82
BB08197	201	202	< 0.01	18	210	12	< 2	4	8	0.06	< 10	< 10	101	< 10	62
BB08198	201	202	< 0.01	19	290	8	< 2	5	10	0.04	< 10	< 10	45	< 10	114
BB08084	201	202	0.01	23	270	10	< 2	3	10	0.02	< 10	< 10	63	< 10	78
BB08085	201	202	< 0.01	34	340	16	2	4	11	0.01	< 10	< 10	100	< 10	116
BB08086	201	202	< 0.01	34	170	10	< 2	5	8	0.04	< 10	< 10	98	< 10	360
BB08087	201	202	< 0.01	25	170	10	2	5	7	0.02	< 10	< 10	88	< 10	88
BB08088	201	202	< 0.01	20	430	10	< 2	8	14	0.30	< 10	< 10	201	< 10	106
BB08089	201	202	< 0.01	25	330	10	< 2	6	27	0.04	< 10	< 10	111	< 10	86
BB08090	201	202	< 0.01	50	310	2	< 2	16	23	0.28	< 10	< 10	293	< 10	118
BB08091	201	202	0.01	49	150	2	< 2	36	35	< 0.01	< 10	< 10	190	< 10	54
BB08092	201	202	< 0.01	38	210	8	< 2	8	13	0.17	< 10	< 10	178	< 10	94
BB08093	201	202	< 0.01	27	210	10	< 2	5	15	0.09	< 10	< 10	106	< 10	72
BB08094	201	202	< 0.01	25	210	12	2	5	12	0.05	< 10	< 10	107	< 10	90
BB09501	201	202	0.01	15	540	40	< 2	1	9	0.01	< 10	< 10	27	< 10	70
BB09502	201	202	< 0.01	16	280	18	< 2	1	7	0.01	< 10	< 10	32	< 10	56
BB09503	201	202	< 0.01	28	350	8	< 2	1	6	0.01	< 10	< 10	30	< 10	60
BB09504	201	202	< 0.01	24	410	8	< 2	1	7	0.01	< 10	< 10	33	< 10	56
BB09505	201	202	< 0.01	25	350	10	< 2	1	8	0.01	< 10	< 10	39	< 10	52
BB09506	201	202	0.01	25	930	10	< 2	< 1	7	0.01	< 10	< 10	40	< 10	72
BB09507	201	202	0.01	23	860	12	< 2	1	13	< 0.01	< 10	< 10	31	< 10	104
BB09508	201	202	0.01	45	1990	14	< 2	3	23	< 0.01	< 10	< 10	73	< 10	122
BB09509	201	202	< 0.01	40	470	12	< 2	1	9	0.01	< 10	< 10	48	< 10	72
BB09510	201	202	< 0.01	42	1060	12	< 2	5	33	0.04	< 10	< 10	73	< 10	82
BB09511	201	202	< 0.01	36	770	16	< 2	2	39	0.06	< 10	< 10	23	< 10	72
BB09512	201	202	< 0.01	35	590	12	< 2	1	35	< 0.01	< 10	< 10	29	< 10	64
BB09513	201	202	< 0.01	135	370	10	< 2	4	15	0.06	< 10	< 10	74	< 10	80
BB09514	201	202	< 0.01	162	570	6	< 2	3	16	0.06	< 10	< 10	51	< 10	62
BB09515	201	202	0.01	90	330	6	< 2	6	147	0.14	< 10	< 10	75	< 10	62
BB09516	201	202	< 0.01	291	720	10	< 2	8	24	0.07	< 10	< 10	78	< 10	86
BB09517	201	202	< 0.01	156	100	8	< 2	5	14	0.16	< 10	< 10	76	< 10	58
BB09518	201	202	< 0.01	683	800	6	< 2	9	22	0.05	< 10	< 10	79	< 10	78
BB09519	201	202	< 0.01	609	790	8	< 2	6	37	0.05	< 10	< 10	64	< 10	66
BB09520	201	202	< 0.01	929	380	2	< 2	7	11	0.03	< 10	< 10	66	< 10	100
BB09521	201	202	< 0.01	1505	360	< 2	< 2	7	7	0.04	< 10	< 10	30	< 10	48
BB09522	201	202	< 0.01	152	140	6	< 2	5	14	0.19	< 10	< 10	84	< 10	54
BB09523	201	202	< 0.01	211	280	6	< 2	6	11	0.14	< 10	< 10	75	< 10	82
BB09524	201	202	< 0.01	283	220	6	< 2	6	11	0.09	< 10	< 10	69	< 10	62
BB09525	201	202	0.01	581	450	8	< 2	6	14	0.04	< 10	< 10	50	< 10	64
BB09526	201	202	< 0.01	810	370	8	< 2	6	10	0.03	< 10	< 10	40	< 10	72

CERTIFICATION: Hart Bichler

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* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9628881

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
BB09527	201	202	< 0.2	0.83	2	60	< 0.5	< 2	0.19	< 0.5	83	1020	15	3.68	< 10	< 1	0.01	< 10	12.60	825	< 1
BB09528	201	202	< 0.2	1.40	< 2	40	< 0.5	< 2	0.25	< 0.5	90	945	28	3.68	< 10	< 1	< 0.01	< 10	11.85	720	< 1
BB09529	201	202	< 0.2	2.01	4	30	< 0.5	< 2	0.78	< 0.5	70	852	46	3.09	< 10	< 1	< 0.01	< 10	12.00	590	< 1
BB09530	201	202	< 0.2	3.01	10	650	< 0.5	< 2	1.48	< 0.5	55	280	128	6.66	< 10	< 1	0.04	< 10	2.58	1615	< 1
BB09531	201	202	< 0.2	3.34	6	100	< 0.5	< 2	0.17	< 0.5	77	926	57	4.92	< 10	< 1	< 0.01	< 10	10.70	1420	< 1
BB09532	201	202	< 0.2	0.84	2	50	< 0.5	< 2	0.32	< 0.5	66	923	24	3.83	< 10	< 1	0.02	< 10	13.65	570	< 1
BB09533	201	202	< 0.2	3.41	2	140	< 0.5	< 2	2.29	< 0.5	34	313	28	3.26	< 10	< 1	0.02	< 10	5.16	465	< 1
BB09534	201	202	< 0.2	1.33	6	170	< 0.5	< 2	0.68	< 0.5	48	641	24	3.36	< 10	< 1	0.04	< 10	8.54	520	< 1
BB09535	201	202	< 0.2	1.49	2	200	< 0.5	< 2	0.64	< 0.5	37	520	27	3.24	< 10	< 1	0.04	< 10	6.25	540	< 1
BB09536	201	202	< 0.2	1.71	2	280	< 0.5	< 2	0.73	< 0.5	26	368	22	3.02	< 10	< 1	0.03	< 10	3.68	490	< 1
BB09537	201	202	< 0.2	1.45	2	60	< 0.5	< 2	0.46	< 0.5	16	104	40	1.94	< 10	< 1	0.03	< 10	1.57	250	< 1
BB09538	201	202	< 0.2	1.61	2	260	< 0.5	< 2	0.62	< 0.5	39	511	28	3.31	< 10	< 1	0.05	< 10	4.90	605	< 1
BB09539	201	202	< 0.2	2.06	8	510	< 0.5	< 2	0.60	0.5	35	365	38	3.67	< 10	1	0.11	< 10	2.95	895	< 1
BB09540	201	202	< 0.2	1.59	8	290	< 0.5	< 2	0.49	< 0.5	22	314	16	3.10	< 10	< 1	0.05	10	3.20	385	< 1
BB09541	201	202	< 0.2	0.82	2	30	< 0.5	< 2	0.12	< 0.5	72	1070	23	3.71	< 10	< 1	< 0.01	< 10	13.95	640	< 1
BB09542	201	202	< 0.2	2.16	4	200	< 0.5	< 2	0.64	< 0.5	59	847	24	4.42	< 10	< 1	0.05	< 10	8.19	640	< 1
BB09543	201	202	< 0.2	1.80	8	210	< 0.5	< 2	0.40	< 0.5	27	437	12	3.96	< 10	< 1	0.04	< 10	3.13	405	< 1
BB09544	201	202	< 0.2	1.78	8	320	< 0.5	< 2	0.35	< 0.5	46	584	20	3.81	< 10	< 1	0.05	10	4.58	625	< 1
BB09545	201	202	< 0.2	1.28	< 2	130	< 0.5	< 2	0.34	< 0.5	80	986	27	3.79	< 10	< 1	0.02	< 10	12.50	760	< 1
BB09546	201	202	< 0.2	1.47	6	280	< 0.5	< 2	0.42	< 0.5	37	451	12	3.72	< 10	< 1	0.05	< 10	4.28	660	< 1
BB09547	201	202	< 0.2	1.81	2	220	< 0.5	< 2	0.83	< 0.5	48	655	73	3.53	< 10	< 1	0.04	< 10	7.13	535	< 1
BB09548	201	202	< 0.2	1.40	6	580	< 0.5	< 2	0.62	< 0.5	16	247	17	2.55	< 10	< 1	0.04	< 10	2.55	365	< 1
BB09549	201	202	0.2	1.50	18	650	< 0.5	< 2	1.30	< 0.5	37	443	54	3.40	< 10	< 1	0.05	< 10	3.97	535	< 1
BB09550	201	202	< 0.2	1.87	6	440	< 0.5	< 2	0.66	< 0.5	32	475	41	3.45	< 10	< 1	0.05	< 10	5.36	525	< 1
BB09551	201	202	< 0.2	2.28	12	500	< 0.5	< 2	0.69	< 0.5	28	292	50	3.52	< 10	< 1	0.06	10	3.06	735	< 1
BB09552	201	202	< 0.2	2.54	6	490	< 0.5	< 2	0.65	< 0.5	30	293	51	3.60	< 10	< 1	0.08	10	3.02	730	< 1
BB09553	201	202	0.2	1.79	< 2	310	< 0.5	< 2	1.45	< 0.5	15	47	73	2.36	< 10	< 1	0.09	10	0.90	665	1
BB09554	201	202	0.2	1.93	12	340	< 0.5	< 2	1.24	< 0.5	16	65	35	3.12	< 10	< 1	0.11	10	1.27	700	1
BB09555	201	202	< 0.2	1.55	2	420	< 0.5	< 2	0.50	< 0.5	10	48	24	2.42	< 10	< 1	0.08	20	0.75	360	1
BB09556	201	202	< 0.2	4.11	< 2	290	< 0.5	< 2	1.54	< 0.5	29	155	91	5.13	< 10	< 1	0.11	< 10	2.64	800	< 1
BB09557	201	202	< 0.2	1.57	10	570	< 0.5	< 2	0.21	< 0.5	11	57	42	2.45	< 10	< 1	0.07	20	0.77	340	1
BB09558	201	202	0.2	1.38	12	630	< 0.5	< 2	0.82	< 0.5	10	54	31	2.29	< 10	< 1	0.08	10	0.75	355	1
BB09559	201	202	< 0.2	1.35	14	480	< 0.5	< 2	0.44	< 0.5	11	63	40	2.47	< 10	< 1	0.08	10	0.89	345	1
BB09560	201	202	0.2	2.00	14	350	< 0.5	< 2	0.81	< 0.5	16	61	30	3.21	< 10	< 1	0.09	< 10	1.07	515	1
BB09561	201	202	< 0.2	1.82	8	830	0.5	< 2	0.30	< 0.5	11	46	27	3.08	< 10	< 1	0.09	10	0.62	445	1
BB09562	201	202	< 0.2	1.73	< 2	270	< 0.5	< 2	0.49	< 0.5	13	43	34	2.54	< 10	< 1	0.10	10	0.78	395	< 1
BB09563	201	202	< 0.2	1.50	10	550	0.5	< 2	0.30	< 0.5	11	49	28	2.73	< 10	< 1	0.19	10	0.52	360	2
BB09564	201	202	< 0.2	1.56	10	660	0.5	< 2	0.37	< 0.5	11	36	45	2.80	< 10	< 1	0.18	20	0.48	495	2
BB09565	201	202	< 0.2	1.35	8	350	0.5	< 2	0.38	< 0.5	10	23	34	2.92	< 10	< 1	0.21	40	0.46	325	1
BB09566	201	202	< 0.2	1.51	10	640	0.5	< 2	0.36	< 0.5	12	25	29	2.76	< 10	< 1	0.17	30	0.44	660	2

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BB09527	201	202	0.01	1275	150	< 2	< 2	6	5	< 0.01	< 10	< 10	28	< 10	52
BB09528	201	202	< 0.01	1390	120	2	< 2	8	4	0.01	< 10	< 10	38	< 10	38
BB09529	201	202	0.01	1245	120	< 2	< 2	7	5	0.01	< 10	< 10	32	< 10	30
BB09530	201	202	0.01	158	410	2	< 2	40	26	0.03	< 10	< 10	156	< 10	68
BB09531	201	202	< 0.01	887	170	< 2	< 2	17	4	0.07	< 10	< 10	103	< 10	50
BB09532	201	202	< 0.01	1400	90	< 2	< 2	6	3	0.01	< 10	< 10	29	< 10	34
BB09533	201	202	< 0.01	495	310	< 2	< 2	11	16	0.10	< 10	< 10	63	< 10	36
BB09534	201	202	< 0.01	798	410	2	< 2	6	15	0.06	< 10	< 10	49	< 10	62
BB09535	201	202	< 0.01	538	370	6	< 2	7	14	0.10	< 10	< 10	60	< 10	52
BB09536	201	202	< 0.01	290	230	6	< 2	6	14	0.16	< 10	< 10	68	< 10	50
BB09537	201	202	0.08	151	570	< 2	< 2	4	17	0.07	< 10	< 10	47	< 10	32
BB09538	201	202	< 0.01	515	490	8	< 2	7	16	0.10	< 10	< 10	62	< 10	58
BB09539	201	202	< 0.01	347	970	10	< 2	7	19	0.08	< 10	< 10	84	< 10	90
BB09540	201	202	< 0.01	230	400	10	< 2	5	17	0.10	< 10	< 10	73	< 10	76
BB09541	201	202	< 0.01	1285	80	< 2	< 2	7	1	< 0.01	< 10	< 10	30	< 10	36
BB09542	201	202	< 0.01	539	150	8	2	10	12	0.07	< 10	< 10	68	< 10	50
BB09543	201	202	< 0.01	174	240	8	< 2	4	15	0.11	< 10	< 10	83	< 10	82
BB09544	201	202	< 0.01	482	390	8	< 2	9	14	0.06	< 10	< 10	62	< 10	60
BB09545	201	202	< 0.01	1080	140	2	< 2	9	7	0.03	< 10	< 10	42	< 10	38
BB09546	201	202	< 0.01	256	310	10	< 2	5	13	0.06	< 10	< 10	64	< 10	136
BB09547	201	202	0.02	783	600	2	< 2	10	31	0.05	< 10	< 10	66	< 10	70
BB09548	201	202	0.01	175	320	8	< 2	4	19	0.06	< 10	< 10	51	< 10	46
BB09549	201	202	0.01	613	1110	4	< 2	8	37	0.03	< 10	< 10	65	< 10	114
BB09550	201	202	< 0.01	397	460	2	< 2	9	17	0.05	< 10	< 10	71	< 10	80
BB09551	201	202	< 0.01	241	530	6	2	7	20	0.10	< 10	< 10	79	< 10	72
BB09552	201	202	< 0.01	239	390	6	< 2	6	20	0.12	< 10	< 10	85	< 10	70
BB09553	201	202	0.01	37	930	8	< 2	10	35	0.09	< 10	< 10	77	< 10	86
BB09554	201	202	< 0.01	57	560	10	< 2	7	38	0.14	< 10	< 10	86	< 10	86
BB09555	201	202	< 0.01	29	200	10	< 2	4	21	0.07	< 10	< 10	59	< 10	60
BB09556	201	202	< 0.01	82	120	2	< 2	15	20	0.09	< 10	< 10	111	< 10	66
BB09557	201	202	< 0.01	53	200	10	< 2	5	12	0.02	< 10	< 10	46	< 10	58
BB09558	201	202	0.01	52	960	10	2	4	36	0.02	< 10	< 10	45	< 10	72
BB09559	201	202	< 0.01	63	590	10	2	5	25	0.04	< 10	< 10	50	< 10	76
BB09560	201	202	0.01	45	360	10	< 2	7	30	0.08	< 10	< 10	84	< 10	82
BB09561	201	202	< 0.01	37	340	10	< 2	4	18	0.01	< 10	< 10	53	< 10	68
BB09562	201	202	0.03	30	420	4	< 2	5	20	0.05	< 10	< 10	60	< 10	62
BB09563	201	202	< 0.01	49	360	10	< 2	5	20	0.01	< 10	< 10	54	< 10	94
BB09564	201	202	0.01	49	450	10	< 2	5	24	< 0.01	< 10	< 10	59	< 10	130
BB09565	201	202	< 0.01	35	840	18	< 2	4	27	< 0.01	< 10	< 10	28	< 10	98
BB09566	201	202	0.01	33	660	20	< 2	4	24	< 0.01	< 10	< 10	43	< 10	146

CERTIFICATION: Hart Bichler

* INTERFERENCE: HIGH Cu on Bi and P

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : ICE
Comments:

Certificate Date: 29-AUG-96
Invoice No. : I9628881
P.O. Number :
Account : MPO

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9628881

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
BB09567	201	202	< 0.2	2.01	< 2	840	0.5	< 2	0.14	< 0.5	8	43	29	2.42	< 10	< 1	0.15	20	0.35	290	1
BB09568	201	202	< 0.2	2.08	6	480	< 0.5	< 2	0.28	< 0.5	9	38	6	2.43	< 10	< 1	0.09	20	0.55	220	1
BB09569	201	202	< 0.2	2.25	< 2	650	0.5	2	0.11	0.5	10	36	19	3.12	< 10	< 1	0.06	10	0.72	245	2
BB09570	201	202	< 0.2	3.31	12	510	0.5	2	0.32	< 0.5	11	54	23	3.83	10	< 1	0.05	20	0.58	310	1
BB09571	201	202	< 0.2	2.15	4	200	< 0.5	2	0.19	< 0.5	9	40	6	3.21	< 10	< 1	0.04	10	0.41	265	< 1
BB09572	201	202	< 0.2	2.16	16	350	< 0.5	< 2	0.12	< 0.5	8	38	12	3.25	< 10	< 1	0.05	10	0.51	215	2
BB09573	201	202	< 0.2	3.05	6	740	1.5	2	0.44	< 0.5	15	65	96	4.30	< 10	< 1	0.10	20	1.42	275	8
BB09574	201	202	< 0.2	2.32	2	740	< 0.5	< 2	0.31	< 0.5	12	51	15	3.01	< 10	1	0.04	10	0.72	315	< 1
BB09575	201	202	< 0.2	1.92	< 2	430	< 0.5	< 2	0.36	< 0.5	13	32	24	3.01	< 10	< 1	0.06	10	0.76	335	1
BB09576	201	202	< 0.2	2.04	< 2	450	< 0.5	2	0.26	< 0.5	9	35	10	2.63	< 10	< 1	0.05	10	0.54	275	< 1
BB09577	201	202	0.2	3.28	2	220	0.5	2	0.25	< 0.5	14	49	33	4.91	< 10	< 1	0.08	10	0.86	315	5
BB09578	201	202	< 0.2	2.30	6	320	< 0.5	< 2	0.18	< 0.5	8	39	17	2.43	< 10	< 1	0.05	10	0.38	160	2
BB09579	201	202	< 0.2	2.88	< 2	230	< 0.5	2	1.22	< 0.5	27	68	44	4.54	< 10	< 1	0.06	< 10	0.98	935	< 1
BB09580	201	202	< 0.2	2.90	< 2	290	< 0.5	2	0.56	0.5	17	50	29	4.89	10	< 1	0.06	< 10	0.96	555	1
BB09581	201	202	< 0.2	3.38	< 2	470	0.5	2	0.42	< 0.5	12	55	40	3.59	10	< 1	0.09	10	0.84	350	< 1
BB09582	201	202	< 0.2	3.47	2	340	0.5	< 2	0.42	< 0.5	16	62	46	4.01	< 10	< 1	0.08	10	0.96	555	< 1
BB09583	201	202	< 0.2	3.03	< 2	190	< 0.5	2	0.53	< 0.5	21	71	45	4.90	< 10	< 1	0.03	< 10	1.12	415	< 1
BB09584	201	202	< 0.2	3.33	10	310	< 0.5	< 2	0.57	< 0.5	28	58	86	6.06	10	< 1	0.06	< 10	1.75	1375	< 1
BB09585	201	202	< 0.2	2.01	2	300	< 0.5	< 2	0.13	< 0.5	9	31	19	2.91	< 10	< 1	0.06	10	0.53	330	1
BB09586	201	202	< 0.2	3.36	4	390	0.5	2	0.67	< 0.5	35	25	37	8.38	10	< 1	0.05	< 10	1.50	1310	< 1
BB09587	201	202	< 0.2	3.61	< 2	550	0.5	2	0.93	< 0.5	29	48	41	8.05	10	< 1	0.06	10	1.71	990	1
BB09588	201	202	< 0.2	2.71	10	270	< 0.5	< 2	0.22	< 0.5	11	49	25	3.82	< 10	< 1	0.06	10	0.63	310	1
BB09589	201	202	< 0.2	3.70	< 2	950	0.5	2	0.30	< 0.5	26	110	48	5.10	< 10	< 1	0.06	< 10	1.27	1365	< 1
BB09590	201	202	< 0.2	3.70	< 2	670	0.5	< 2	0.41	< 0.5	20	86	68	4.91	10	< 1	0.06	10	1.36	940	< 1
BB12680	201	202	< 0.2	1.66	< 2	470	< 0.5	< 2	0.52	< 0.5	11	30	26	2.64	< 10	< 1	0.07	10	0.62	500	< 1
BB12681	201	202	< 0.2	1.88	< 2	520	< 0.5	< 2	1.27	< 0.5	9	33	77	2.38	< 10	< 1	0.10	10	0.57	490	1
BB12682	201	202	< 0.2	1.21	< 2	170	< 0.5	< 2	0.21	< 0.5	8	23	23	2.41	< 10	< 1	0.07	< 10	0.23	355	< 1
BB12683	201	202	0.4	1.43	< 2	470	< 0.5	< 2	1.04	< 0.5	6	26	42	1.86	< 10	< 1	0.09	10	0.36	410	< 1
BB12684	201	202	< 0.2	1.26	< 2	430	< 0.5	< 2	0.38	< 0.5	6	23	16	1.99	< 10	< 1	0.08	10	0.44	295	< 1
BB12685	201	202	< 0.2	1.22	< 2	450	< 0.5	< 2	1.05	< 0.5	6	23	43	1.73	< 10	< 1	0.06	10	0.34	400	< 1
BB12686	201	202	0.2	1.59	2	960	< 0.5	< 2	1.17	< 0.5	12	35	39	2.63	< 10	< 1	0.08	10	0.66	585	1
BB12687	201	202	< 0.2	1.11	4	570	< 0.5	< 2	0.81	< 0.5	9	26	23	1.95	< 10	< 1	0.05	10	0.51	325	< 1
BB12688	201	202	0.2	1.21	2	530	< 0.5	< 2	0.37	0.5	9	28	22	2.35	< 10	< 1	0.07	10	0.37	460	1
BB12689	201	202	< 0.2	1.59	< 2	860	< 0.5	< 2	0.70	0.5	11	47	31	2.24	< 10	< 1	0.04	< 10	0.55	585	< 1
BB12690	201	202	< 0.2	1.24	4	310	< 0.5	< 2	0.11	< 0.5	9	26	14	2.28	< 10	< 1	0.06	10	0.37	450	1
BB12691	201	202	< 0.2	0.92	< 2	320	< 0.5	< 2	0.48	< 0.5	9	21	23	1.97	< 10	< 1	0.08	< 10	0.26	575	< 1
BB12692	201	202	< 0.2	1.49	6	270	< 0.5	< 2	0.29	< 0.5	12	33	23	3.15	< 10	< 1	0.08	10	0.51	510	1
BB12693	201	202	< 0.2	1.44	< 2	520	< 0.5	< 2	0.54	< 0.5	9	27	21	2.43	< 10	< 1	0.07	10	0.66	330	< 1

CERTIFICATION: Hart Bichler

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1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : ICE
Comments:

Certificate Date: 29-AUG-96
Invoice No. : I9628881
P.O. Number :
Account : MPO

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CERTIFICATE OF ANALYSIS A9628881

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB09567	201	202	< 0.01	25	740	10	4	4	13	0.01	< 10	< 10	84	< 10	110
BB09568	201	202	< 0.01	30	260	14	4	3	10	0.03	< 10	< 10	78	< 10	86
BB09569	201	202	< 0.01	27	230	14	6	3	11	0.01	< 10	< 10	106	< 10	88
BB09570	201	202	< 0.01	24	220	16	6	6	14	0.04	< 10	< 10	114	< 10	116
BB09571	201	202	< 0.01	16	230	6	2	3	7	0.05	< 10	< 10	95	< 10	114
BB09572	201	202	< 0.01	22	190	14	2	3	13	0.03	< 10	< 10	74	< 10	70
BB09573	201	202	< 0.01	75	370	12	4	6	30	0.07	< 10	< 10	176	< 10	178
BB09574	201	202	< 0.01	26	240	6	4	4	24	0.07	< 10	< 10	80	< 10	72
BB09575	201	202	< 0.01	23	140	6	< 2	4	12	0.06	< 10	< 10	75	< 10	74
BB09576	201	202	< 0.01	19	150	6	< 2	3	13	0.06	< 10	< 10	79	< 10	92
BB09577	201	202	< 0.01	32	330	4	< 2	6	16	0.12	< 10	< 10	174	< 10	162
BB09578	201	202	< 0.01	19	150	2	< 2	3	12	0.05	< 10	< 10	88	< 10	76
BB09579	201	202	< 0.01	30	400	< 2	2	9	41	0.17	< 10	< 10	127	< 10	94
BB09580	201	202	< 0.01	21	400	< 2	< 2	4	14	0.15	< 10	< 10	160	< 10	146
BB09581	201	202	< 0.01	27	150	8	2	6	15	0.07	< 10	< 10	107	< 10	86
BB09582	201	202	< 0.01	30	150	6	2	6	23	0.13	< 10	< 10	118	< 10	68
BB09583	201	202	< 0.01	32	230	< 2	2	8	43	0.12	< 10	< 10	142	< 10	86
BB09584	201	202	< 0.01	26	360	< 2	< 2	11	48	0.11	< 10	< 10	152	< 10	94
BB09585	201	202	< 0.01	21	260	6	< 2	3	10	0.04	< 10	< 10	69	< 10	74
BB09586	201	202	< 0.01	22	580	4	< 2	8	16	0.31	< 10	< 10	229	< 10	142
BB09587	201	202	< 0.01	30	530	< 2	6	10	26	0.30	< 10	< 10	263	< 10	126
BB09588	201	202	< 0.01	24	190	8	< 2	4	15	0.08	< 10	< 10	98	< 10	102
BB09589	201	202	0.01	46	350	2	4	9	14	0.01	< 10	< 10	128	< 10	112
BB09590	201	202	< 0.01	42	100	6	4	8	17	0.09	< 10	< 10	125	< 10	76
BB12680	201	202	< 0.01	25	320	8	6	4	13	0.01	< 10	< 10	43	< 10	80
BB12681	201	202	0.02	25	740	2	< 2	11	23	0.03	< 10	< 10	70	< 10	62
BB12682	201	202	0.03	12	230	4	4	3	7	0.06	< 10	< 10	73	< 10	42
BB12683	201	202	0.01	18	530	8	< 2	3	23	0.01	< 10	< 10	46	< 10	80
BB12684	201	202	< 0.01	17	340	4	< 2	4	11	0.03	< 10	< 10	48	< 10	70
BB12685	201	202	0.01	19	610	2	< 2	4	18	0.02	< 10	< 10	44	< 10	68
BB12686	201	202	< 0.01	32	630	12	< 2	5	36	0.03	< 10	< 10	52	< 10	80
BB12687	201	202	< 0.01	24	810	4	< 2	3	28	0.04	< 10	< 10	42	< 10	70
BB12688	201	202	< 0.01	19	450	10	< 2	2	15	0.03	< 10	< 10	55	< 10	118
BB12689	201	202	0.01	21	440	2	2	5	17	0.02	< 10	< 10	63	< 10	86
BB12690	201	202	< 0.01	16	210	6	< 2	2	6	0.02	< 10	< 10	42	< 10	74
BB12691	201	202	< 0.01	23	760	6	4	1	15	< 0.01	< 10	< 10	29	< 10	82
BB12692	201	202	< 0.01	24	340	8	< 2	3	9	0.04	< 10	< 10	69	< 10	72
BB12693	201	202	< 0.01	19	190	10	< 2	4	12	0.06	< 10	< 10	60	< 10	54

CERTIFICATION: Hart Bichler

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VANCOUVER, BC
V6B 1L8

Project : ICE
Comments:

Page Number : 1-A
Total Pages : 1
Certificate Date: 12-AUG-96
Invoice No. : I9626574
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9626574

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
BB08020	201	202	1.6	1.90	< 2	390	< 0.5	2	0.35	< 0.5	22	71	684	4.81	< 10	< 1	0.06	< 10	0.44	460	1
BB08021	201	202	0.6	3.70	10	620	< 0.5	< 2	1.09	< 0.5	36	86	813	6.51	10	< 1	0.14	10	1.59	755	< 1
BB08022	201	202	0.2	3.80	8	530	0.5	2	0.85	1.5	131	84	561	6.38	10	< 1	0.19	10	1.30	1665	< 1
BB08023	201	202	< 0.2	3.53	6	950	0.5	4	0.66	< 0.5	36	73	165	5.66	10	< 1	0.19	10	1.03	1975	1
BB08024	201	202	< 0.2	3.37	2	400	< 0.5	2	0.50	0.5	23	39	32	6.19	10	< 1	0.05	10	0.66	930	1
BB08025	201	202	< 0.2	1.89	8	160	< 0.5	2	0.29	< 0.5	22	15	26	3.36	< 10	< 1	0.04	< 10	0.33	1105	1
BB08026	201	202	< 0.2	2.60	< 2	490	< 0.5	< 2	1.05	0.5	31	35	69	4.87	< 10	< 1	0.17	< 10	0.66	2220	< 1
BB08027	201	202	< 0.2	3.87	2	1100	< 0.5	2	0.74	0.5	86	92	350	5.87	10	< 1	0.20	< 10	1.46	1460	< 1
BB08028	201	202	< 0.2	3.69	6	610	< 0.5	< 2	0.93	0.5	200	124	1685	5.40	10	< 1	0.08	< 10	1.64	1665	1
BB08029	201	202	0.2	4.19	2	460	< 0.5	< 2	1.00	0.5	60	112	1525	7.57	10	< 1	0.07	< 10	2.15	700	< 1
BB08030	201	202	< 0.2	2.47	10	430	< 0.5	< 2	0.28	< 0.5	28	55	525	4.66	< 10	< 1	0.06	< 10	0.97	590	< 1
BB08031	201	202	< 0.2	2.33	4	770	< 0.5	< 2	0.30	0.5	12	36	25	3.05	< 10	< 1	0.06	10	0.50	540	1
BB08032	201	202	0.2	1.43	12	280	< 0.5	2	0.33	1.5	13	29	86	3.52	< 10	< 1	0.09	< 10	0.39	490	2
BB08033	201	202	< 0.2	2.45	10	560	< 0.5	< 2	0.25	< 0.5	9	42	18	3.18	< 10	< 1	0.05	10	0.67	250	< 1
BB08034	201	202	0.2	1.98	6	420	< 0.5	< 2	0.72	0.5	17	46	38	3.76	< 10	< 1	0.12	10	0.86	1045	1
BB08035	201	202	< 0.2	3.42	10	1080	< 0.5	< 2	0.33	< 0.5	21	61	47	4.53	10	< 1	0.06	10	1.34	625	< 1
BB08036	201	202	< 0.2	2.50	40	540	< 0.5	4	0.45	< 0.5	22	56	219	6.24	< 10	< 1	0.06	< 10	0.69	835	1
BB08037	201	202	< 0.2	3.58	14	840	< 0.5	2	0.49	< 0.5	24	54	43	5.36	10	< 1	0.07	10	0.93	565	1
BB08038	201	202	0.6	2.42	8	500	< 0.5	< 2	0.55	< 0.5	18	43	90	3.97	< 10	< 1	0.12	10	0.85	665	1
BB08039	201	202	< 0.2	4.42	6	560	0.5	< 2	1.10	2.0	36	99	538	6.34	10	< 1	0.21	10	1.29	1710	1
BB08040	201	202	< 0.2	3.20	6	320	< 0.5	2	0.82	< 0.5	28	53	71	5.89	10	< 1	0.09	10	1.23	575	< 1
BB08041	201	202	< 0.2	3.20	12	340	< 0.5	< 2	0.49	< 0.5	21	56	39	5.33	10	< 1	0.06	10	1.21	670	< 1
BB08042	201	202	< 0.2	4.18	14	390	< 0.5	< 2	1.06	< 0.5	32	72	58	7.03	10	< 1	0.05	< 10	1.13	1200	1
BB08043	201	202	< 0.2	3.61	14	690	0.5	6	0.61	0.5	24	64	47	5.15	10	< 1	0.20	10	1.15	1295	1
BB08044	201	202	< 0.2	3.52	8	1820	< 0.5	< 2	0.51	< 0.5	34	67	130	5.56	10	< 1	0.13	10	1.14	1200	1
BB08045	201	202	< 0.2	3.25	10	840	0.5	< 2	1.55	< 0.5	19	55	63	4.24	< 10	< 1	0.13	10	1.02	1155	< 1
T12673	201	202	< 0.2	2.14	8	460	< 0.5	< 2	0.31	< 0.5	11	41	22	3.08	< 10	< 1	0.05	10	0.68	350	1
T12674	201	202	< 0.2	3.83	10	510	< 0.5	< 2	0.86	< 0.5	27	98	59	5.77	10	< 1	0.03	< 10	1.32	380	1
T12675	201	202	< 0.2	1.67	10	730	< 0.5	< 2	0.26	< 0.5	11	33	21	2.54	< 10	< 1	0.09	10	0.53	385	1
T12676	201	202	< 0.2	1.59	4	420	< 0.5	< 2	0.54	0.5	11	36	14	2.61	< 10	< 1	0.12	10	0.55	435	< 1
T12677	201	202	0.2	2.85	8	740	< 0.5	< 2	0.49	< 0.5	10	48	29	2.97	< 10	< 1	0.06	10	0.71	405	< 1
T12678	201	202	< 0.2	2.58	20	400	< 0.5	< 2	0.38	0.5	15	52	26	4.64	< 10	< 1	0.09	10	0.75	455	3
T12679	201	202	< 0.2	1.49	8	330	< 0.5	< 2	1.20	< 0.5	7	30	62	2.31	< 10	< 1	0.07	10	0.45	275	< 1

CERTIFICATION: Hart Bichler

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Page Number : 1-B
Total Pages : 1
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CERTIFICATE OF ANALYSIS A9626574

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB08020	201	202	0.03	18	320	6	< 2	6	15	0.07	< 10	< 10	113	< 10	108
BB08021	201	202	< 0.01	35	380	10	6	22	23	0.11	< 10	< 10	169	< 10	190
BB08022	201	202	< 0.01	51	870	8	< 2	16	24	0.12	< 10	< 10	183	< 10	610
BB08023	201	202	< 0.01	37	510	10	8	15	20	0.11	< 10	< 10	167	< 10	200
BB08024	201	202	< 0.01	21	670	6	< 2	5	17	0.20	< 10	< 10	223	< 10	188
BB08025	201	202	0.03	12	890	4	< 2	4	12	0.10	< 10	< 10	113	< 10	68
BB08026	201	202	0.01	20	1010	4	< 2	11	39	0.12	< 10	< 10	154	< 10	142
BB08027	201	202	0.01	43	590	2	4	14	20	0.05	< 10	< 10	207	< 10	382
BB08028	201	202	0.01	50	630	2	6	17	27	0.12	< 10	< 10	177	< 10	564
BB08029	201	202	< 0.01	44	560	2	2	22	19	0.14	< 10	< 10	211	< 10	482
BB08030	201	202	0.01	26	510	2	< 2	6	9	0.15	< 10	< 10	128	< 10	254
BB08031	201	202	< 0.01	15	330	10	< 2	3	11	0.05	< 10	< 10	118	< 10	114
BB08032	201	202	< 0.01	23	1290	10	< 2	2	16	0.04	< 10	< 10	92	< 10	108
BB08033	201	202	< 0.01	19	230	8	2	3	12	0.06	< 10	< 10	108	< 10	72
BB08034	201	202	< 0.01	27	650	12	< 2	4	31	0.11	< 10	< 10	133	< 10	108
BB08035	201	202	< 0.01	29	450	2	< 2	10	14	0.06	< 10	< 10	158	< 10	70
BB08036	201	202	< 0.01	32	800	2	6	13	6	0.01	< 10	< 10	198	< 10	84
BB08037	201	202	< 0.01	30	240	6	4	9	23	0.04	< 10	< 10	174	< 10	132
BB08038	201	202	< 0.01	28	470	10	4	4	16	0.06	< 10	< 10	110	< 10	132
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BB08043	201	202	< 0.01	38	510	12	2	8	20	0.10	< 10	< 10	181	< 10	142
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BB08045	201	202	< 0.01	31	610	12	6	14	30	0.09	< 10	< 10	143	< 10	92
T12673	201	202	< 0.01	21	180	10	< 2	3	12	0.06	< 10	< 10	91	< 10	62
T12674	201	202	< 0.01	51	210	< 2	4	20	22	< 0.01	< 10	< 10	181	< 10	70
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T12676	201	202	< 0.01	17	610	8	< 2	3	20	0.05	< 10	< 10	69	< 10	222
T12677	201	202	< 0.01	20	240	10	8	4	21	0.09	< 10	< 10	119	< 10	90
T12678	201	202	< 0.01	29	970	14	< 2	4	14	0.07	< 10	< 10	135	< 10	94
T12679	201	202	0.01	25	620	10	6	5	19	0.03	< 10	< 10	54	< 10	76

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Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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To: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : ICE
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BB5336	244	--	< 5
BB5337	244	--	< 5
BB5338	244	--	< 5
BB5339	244	--	< 5

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BB6820	244	--	< 5
BB6821	244	--	< 5
BB6822	244	--	< 5

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BB6879	244	--	< 5
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BB6891	244	--	< 5
BB6892	244	--	< 5
BB6893	244	--	< 5

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BB4689	201	202	0.2	1.36	12	530	0.5	< 2	1.75	1.0	9	27	417	2.24	< 10	< 1	0.13	< 10	0.64	355	1
BB4690	201	202	< 0.2	1.57	10	210	< 0.5	< 2	0.17	< 0.5	7	27	11	2.45	< 10	< 1	0.04	10	0.38	225	1
BB5050	201	202	< 0.2	1.70	14	560	0.5	< 2	0.53	< 0.5	13	34	44	3.03	< 10	< 1	0.11	10	0.77	530	1
BB5051	201	202	< 0.2	3.28	14	370	0.5	< 2	0.72	< 0.5	23	36	61	6.51	< 10	< 1	0.02	< 10	1.57	845	1
BB5052	201	202	0.2	1.69	8	490	0.5	< 2	0.90	0.5	11	32	49	2.63	< 10	< 1	0.05	< 10	0.53	750	< 1
BB5053	201	202	< 0.2	1.31	10	270	< 0.5	< 2	0.15	< 0.5	7	23	16	2.58	< 10	< 1	0.04	< 10	0.38	285	1
BB5054	201	202	< 0.2	0.89	6	270	< 0.5	< 2	0.16	0.5	7	17	21	2.04	< 10	< 1	0.08	< 10	0.25	550	1
BB5055	201	202	0.4	1.62	12	360	< 0.5	< 2	0.44	1.0	14	51	38	3.47	< 10	< 1	0.11	< 10	0.77	530	2
BB5056	201	202	0.6	2.53	16	790	0.5	4	1.12	< 0.5	37	65	2820	6.69	< 10	< 1	0.07	< 10	0.86	365	1
BB5057	201	202	< 0.2	2.70	12	290	< 0.5	< 2	0.96	< 0.5	40	68	258	5.13	< 10	< 1	0.10	< 10	1.81	1010	< 1
BB5058	201	202	0.2	3.64	24	680	0.5	< 2	0.57	< 0.5	25	71	158	5.67	< 10	< 1	0.28	10	1.01	945	1
BB5059	201	202	< 0.2	3.26	16	430	0.5	< 2	0.70	< 0.5	33	47	56	7.06	< 10	< 1	0.07	< 10	1.29	1885	1
BB5060	201	202	< 0.2	3.56	16	310	0.5	< 2	1.13	0.5	31	65	77	8.00	< 10	< 1	0.04	< 10	2.04	1650	1
BB5061	201	202	< 0.2	4.34	26	230	< 0.5	< 2	0.24	< 0.5	31	142	2020	14.15	< 10	< 1	0.07	< 10	0.89	165	5
BB5062	201	202	< 0.2	2.10	10	550	< 0.5	< 2	0.35	< 0.5	16	43	539	3.77	< 10	< 1	0.06	< 10	0.72	465	2
BB5063	201	202	< 0.2	1.48	4	510	0.5	< 2	1.26	0.5	24	29	1760	2.41	< 10	< 1	0.08	< 10	0.60	690	1
BB5064	201	202	< 0.2	1.51	12	340	< 0.5	< 2	0.13	< 0.5	9	30	26	3.26	< 10	< 1	0.08	10	0.45	265	1
BB5065	201	202	< 0.2	1.78	10	720	< 0.5	< 2	0.47	< 0.5	9	33	20	2.73	< 10	< 1	0.04	< 10	0.58	435	1
BB5066	201	202	0.2	3.67	22	540	0.5	2	0.57	1.0	117	95	2690	9.45	< 10	< 1	0.05	< 10	2.39	1030	1
BB5067	201	202	< 0.2	2.23	14	470	< 0.5	< 2	0.58	0.5	49	46	201	5.07	< 10	< 1	0.10	< 10	0.85	1025	1
BB5068	201	202	< 0.2	2.34	16	440	0.5	< 2	0.60	< 0.5	30	44	65	5.37	< 10	1	0.15	< 10	1.22	1470	2
BB5069	201	202	< 0.2	2.71	20	230	0.5	< 2	0.84	< 0.5	31	42	98	5.86	< 10	< 1	0.11	< 10	1.16	1105	1
BB5070	201	202	0.4	2.87	14	500	< 0.5	< 2	0.74	0.5	30	57	54	6.24	< 10	< 1	0.14	< 10	1.46	1225	1
BB5272	201	202	< 0.2	1.70	14	520	< 0.5	< 2	0.44	0.5	11	32	31	2.74	< 10	< 1	0.14	10	0.59	340	2
BB5273	201	202	< 0.2	1.48	8	410	< 0.5	< 2	0.22	< 0.5	7	18	23	1.72	< 10	< 1	0.10	< 10	0.26	200	2
BB5274	201	202	< 0.2	2.43	16	900	0.5	< 2	0.65	< 0.5	20	56	83	4.39	< 10	< 1	0.22	10	1.15	930	1
BB5275	201	202	0.2	1.64	12	660	< 0.5	< 2	0.27	< 0.5	14	30	71	3.27	< 10	< 1	0.13	< 10	0.41	815	1
BB5276	201	202	< 0.2	1.59	12	310	< 0.5	< 2	0.31	< 0.5	11	28	55	2.97	< 10	< 1	0.08	10	0.49	450	1
BB5277	201	202	< 0.2	2.00	10	1010	0.5	< 2	3.85	< 0.5	36	35	71	7.46	< 10	< 1	0.04	< 10	0.75	1685	< 1
BB5278	201	202	< 0.2	3.20	18	310	< 0.5	< 2	0.78	< 0.5	17	46	31	5.64	< 10	< 1	0.06	< 10	1.14	640	2
BB5279	201	202	< 0.2	1.76	12	870	< 0.5	< 2	0.25	0.5	16	27	60	3.34	< 10	< 1	0.12	10	0.40	1580	2
BB5280	201	202	< 0.2	1.89	12	1000	< 0.5	< 2	0.23	0.5	21	27	69	3.14	< 10	< 1	0.10	10	0.38	1635	1
BB5281	201	202	0.6	1.66	12	1490	< 0.5	< 2	0.44	1.5	25	33	71	4.44	< 10	< 1	0.11	< 10	0.49	2610	1
BB5282	201	202	< 0.2	1.32	14	490	< 0.5	< 2	0.70	0.5	13	33	616	2.74	< 10	< 1	0.12	10	0.67	630	2
BB5283	201	202	< 0.2	2.17	18	670	0.5	< 2	0.71	< 0.5	19	45	139	3.94	< 10	< 1	0.09	< 10	0.97	810	1
BB5284	201	202	< 0.2	1.53	14	190	< 0.5	< 2	0.23	0.5	15	29	32	3.85	< 10	< 1	0.05	< 10	0.57	530	1
BB5285	201	202	< 0.2	1.85	20	300	< 0.5	< 2	0.19	< 0.5	10	37	51	3.31	< 10	< 1	0.05	10	0.59	280	1
BB5286	201	202	< 0.2	1.64	16	310	< 0.5	< 2	0.42	< 0.5	17	33	93	2.86	< 10	< 1	0.06	10	0.66	445	1
BB5287	201	202	0.6	2.21	18	610	0.5	< 2	1.00	0.5	14	45	112	2.74	< 10	< 1	0.17	< 10	0.80	980	2
BB5288	201	202	< 0.2	2.27	22	590	0.5	< 2	0.83	< 0.5	15	52	51	3.63	< 10	< 1	0.18	10	0.93	525	1

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BB4690	201	202	0.01	14	110	12	< 2	2	8	0.04	< 10	< 10	70	< 10	54
BB5050	201	202	< 0.01	31	340	14	2	6	24	0.04	< 10	< 10	64	< 10	88
BB5051	201	202	< 0.01	23	300	2	2	18	16	< 0.01	< 10	< 10	173	< 10	76
BB5052	201	202	0.01	26	370	12	2	6	15	0.03	< 10	< 10	64	< 10	104
BB5053	201	202	< 0.01	17	350	10	2	2	7	0.04	< 10	< 10	56	< 10	68
BB5054	201	202	0.04	16	340	10	2	1	11	0.03	< 10	< 10	39	< 10	88
BB5055	201	202	0.01	49	590	18	2	4	16	0.09	< 10	< 10	84	< 10	88
BB5056	201	202	< 0.01	38	470	6	2	19	20	0.01	< 10	< 10	92	< 10	480
BB5057	201	202	< 0.01	37	320	8	2	12	21	0.18	< 10	< 10	131	< 10	176
BB5058	201	202	< 0.01	43	620	12	2	12	21	0.08	< 10	< 10	154	< 10	200
BB5059	201	202	< 0.01	27	750	8	2	10	22	0.26	< 10	< 10	212	< 10	196
BB5060	201	202	< 0.01	28	720	6	4	13	19	0.26	< 10	< 10	244	< 10	420
BB5061	201	202	< 0.01	19	640	< 2	4	26	13	0.04	< 10	< 10	386	< 10	238
BB5062	201	202	< 0.01	24	230	6	< 2	5	15	0.05	< 10	< 10	105	< 10	136
BB5063	201	202	0.01	30	660	10	< 2	9	26	0.03	< 10	< 10	51	< 10	188
BB5064	201	202	< 0.01	22	390	14	2	2	8	0.03	< 10	< 10	63	< 10	110
BB5065	201	202	< 0.01	20	240	12	2	4	21	0.05	< 10	< 10	65	< 10	94
BB5066	201	202	< 0.01	46	420	6	4	20	19	0.14	< 10	< 10	217	< 10	1450
BB5067	201	202	0.02	26	640	8	2	10	16	0.11	< 10	< 10	104	< 10	566
BB5068	201	202	0.01	29	670	8	4	11	21	0.12	< 10	< 10	125	< 10	170
BB5069	201	202	< 0.01	27	630	4	2	11	20	0.18	< 10	< 10	162	< 10	110
BB5070	201	202	< 0.01	28	430	8	4	12	21	0.14	< 10	< 10	167	< 10	204
BB5272	201	202	< 0.01	25	280	12	2	4	20	0.05	< 10	< 10	68	< 10	84
BB5273	201	202	0.08	12	290	6	2	2	15	0.03	< 10	< 10	54	< 10	58
BB5274	201	202	< 0.01	40	370	16	2	14	23	0.12	< 10	< 10	104	< 10	104
BB5275	201	202	0.03	20	890	14	< 2	3	17	0.05	< 10	< 10	61	< 10	250
BB5276	201	202	< 0.01	22	930	10	2	4	13	0.08	< 10	< 10	75	< 10	178
BB5277	201	202	0.01	35	650	2	< 2	33	34	< 0.01	< 10	< 10	177	< 10	70
BB5278	201	202	< 0.01	28	290	12	2	6	20	0.24	< 10	< 10	170	< 10	86
BB5279	201	202	0.03	24	500	16	2	3	18	0.04	< 10	< 10	60	< 10	180
BB5280	201	202	0.03	49	760	20	2	3	21	0.03	< 10	< 10	54	< 10	498
BB5281	201	202	< 0.01	28	910	14	< 2	4	18	0.06	< 10	< 10	82	< 10	400
BB5282	201	202	0.01	32	800	14	2	8	27	0.05	< 10	< 10	57	< 10	118
BB5283	201	202	< 0.01	33	490	10	2	7	19	0.11	< 10	< 10	93	< 10	118
BB5284	201	202	0.01	16	400	10	2	3	10	0.07	< 10	< 10	96	< 10	268
BB5285	201	202	< 0.01	23	260	16	< 2	3	9	0.05	< 10	< 10	66	< 10	90
BB5286	201	202	< 0.01	22	260	12	2	5	14	0.07	< 10	< 10	66	< 10	80
BB5287	201	202	0.03	38	790	18	2	8	34	0.03	< 10	< 10	61	< 10	144
BB5288	201	202	0.01	39	390	14	2	9	31	0.09	< 10	< 10	91	< 10	106

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.
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To: EXPATRIATE RESOURCES LTD.
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Page er :2-A
Total Pages :5
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CERTIFICATE OF ANALYSIS A9625249

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
BB5289	201	202	< 0.2	1.99	4	350	< 0.5	< 2	0.27	0.5	17	30	41	4.30	< 10	< 1	0.07	< 10	0.71	590	1
BB5290	201	202	< 0.2	2.26	2	460	< 0.5	< 2	0.24	< 0.5	10	38	35	2.97	< 10	< 1	0.09	10	0.77	350	1
BB5291	201	202	< 0.2	1.80	< 2	630	< 0.5	< 2	0.31	< 0.5	9	37	22	2.45	< 10	< 1	0.06	10	0.74	1370	< 1
BB5301	201	202	< 0.2	1.80	4	620	0.5	< 2	0.38	0.5	13	35	43	2.64	< 10	< 1	0.13	10	0.57	520	1
BB5302	201	202	< 0.2	1.39	28	440	< 0.5	< 2	0.22	< 0.5	8	22	21	2.41	< 10	< 1	0.15	10	0.49	205	2
BB5303	201	202	< 0.2	2.11	< 2	390	< 0.5	< 2	0.58	< 0.5	16	42	18	3.32	< 10	< 1	0.08	< 10	0.69	355	< 1
BB5304	201	202	< 0.2	1.88	< 2	310	< 0.5	< 2	0.36	< 0.5	11	35	21	2.75	< 10	< 1	0.06	< 10	0.58	435	< 1
BB5305	201	202	< 0.2	1.91	< 2	280	< 0.5	< 2	0.23	< 0.5	10	37	24	2.63	< 10	< 1	0.06	10	0.57	200	< 1
BB5306	201	202	< 0.2	1.53	< 2	510	< 0.5	< 2	0.48	0.5	7	24	14	2.17	< 10	< 1	0.05	10	0.41	165	1
BB5307	201	202	0.2	1.70	8	510	< 0.5	< 2	1.26	0.5	12	29	30	2.58	< 10	< 1	0.14	10	0.75	325	1
BB5310	201	202	< 0.2	1.47	4	450	< 0.5	< 2	0.76	0.5	11	32	32	2.39	< 10	< 1	0.12	10	0.69	385	1
BB5311	201	202	< 0.2	1.87	8	300	< 0.5	< 2	0.26	0.5	12	35	25	4.53	< 10	< 1	0.07	10	0.54	375	1
BB5312	201	202	< 0.2	1.98	2	350	< 0.5	< 2	0.33	< 0.5	10	34	16	2.89	< 10	< 1	0.07	10	0.60	220	< 1
BB5313	201	202	< 0.2	1.65	6	440	< 0.5	< 2	0.52	0.5	11	31	23	2.69	< 10	< 1	0.10	10	0.70	385	1
BB5314	201	202	< 0.2	2.12	6	390	< 0.5	< 2	0.42	2.0	15	37	25	3.49	< 10	< 1	0.11	10	0.54	655	2
BB5315	201	202	< 0.2	1.46	2	200	< 0.5	< 2	0.27	0.5	9	32	15	3.03	< 10	1	0.09	10	0.51	200	1
BB5316	201	202	< 0.2	1.27	< 2	380	< 0.5	< 2	0.32	< 0.5	8	23	11	2.06	< 10	< 1	0.07	10	0.47	305	1
BB5317	201	202	0.6	1.26	2	540	< 0.5	< 2	0.98	1.5	10	26	31	1.79	< 10	< 1	0.09	< 10	0.45	950	1
BB5318	201	202	< 0.2	2.92	< 2	460	< 0.5	< 2	0.83	0.5	23	61	35	4.83	< 10	< 1	0.11	< 10	1.15	715	< 1
BB5319	201	202	< 0.2	3.36	< 2	420	< 0.5	< 2	0.49	0.5	20	47	34	4.56	10	< 1	0.11	10	1.27	570	1
BB5320	201	202	< 0.2	1.34	10	350	< 0.5	< 2	0.68	0.5	12	25	35	2.70	< 10	< 1	0.11	< 10	0.68	350	1
BB5321	201	202	< 0.2	2.31	8	430	< 0.5	< 2	0.53	0.5	17	51	42	4.41	< 10	< 1	0.08	< 10	0.89	365	2
BB5322	201	202	0.2	1.58	6	890	0.5	< 2	1.10	1.5	11	29	74	2.64	< 10	< 1	0.11	10	0.55	635	1
BB5323	201	202	0.2	1.57	4	620	< 0.5	< 2	0.58	0.5	10	33	31	3.15	< 10	< 1	0.14	10	0.57	400	2
BB5324	201	202	< 0.2	2.03	14	440	< 0.5	< 2	0.34	0.5	13	37	21	3.35	< 10	< 1	0.12	10	0.79	400	1
BB5325	201	202	0.2	1.72	< 2	400	< 0.5	< 2	0.42	0.5	17	36	24	2.89	< 10	< 1	0.12	10	0.76	730	1
BB5326	201	202	< 0.2	1.99	6	500	< 0.5	< 2	0.49	0.5	16	34	72	3.41	< 10	< 1	0.06	10	0.75	475	1
BB5327	201	202	< 0.2	3.36	2	300	< 0.5	< 2	0.77	1.5	39	85	1800	7.42	10	< 1	0.08	< 10	1.28	620	1
BB5328	201	202	< 0.2	1.99	8	590	< 0.5	< 2	0.32	0.5	22	47	320	4.58	< 10	< 1	0.10	< 10	0.63	655	1
BB5329	201	202	0.2	2.54	2	540	< 0.5	< 2	0.71	0.5	32	51	51	6.91	< 10	< 1	0.11	< 10	0.99	940	1
BB5330	201	202	< 0.2	1.30	< 2	140	< 0.5	< 2	0.50	< 0.5	16	23	29	3.27	< 10	< 1	0.06	< 10	0.55	725	< 1
BB5331	201	202	< 0.2	1.91	< 2	140	< 0.5	< 2	0.34	< 0.5	12	28	23	4.70	< 10	< 1	0.03	< 10	0.54	490	1
BB5332	201	202	< 0.2	2.19	< 2	210	0.5	< 2	0.66	0.5	35	14	51	7.35	10	< 1	0.05	< 10	0.44	1640	1
BB5333	201	202	0.2	2.39	< 2	250	0.5	< 2	0.94	0.5	43	31	148	5.83	< 10	< 1	0.07	< 10	0.88	1745	1
BB5334	201	202	< 0.2	1.33	6	320	< 0.5	< 2	0.29	< 0.5	15	20	24	3.68	< 10	< 1	0.08	< 10	0.46	605	< 1
BB5335	201	202	< 0.2	1.87	2	210	< 0.5	< 2	0.85	0.5	25	17	70	4.62	< 10	< 1	0.15	< 10	1.14	1260	1
BB5336	201	202	0.2	1.81	12	380	< 0.5	< 2	0.64	0.5	17	38	50	3.63	< 10	< 1	0.20	10	0.64	550	< 1
BB5337	201	202	< 0.2	1.65	8	470	< 0.5	< 2	0.47	0.5	12	37	19	3.07	< 10	< 1	0.13	10	0.78	340	1
BB5338	201	202	< 0.2	2.32	2	560	< 0.5	< 2	0.69	0.5	22	52	31	4.68	< 10	< 1	0.12	< 10	0.91	860	< 1
BB5339	201	202	0.2	1.78	< 2	390	< 0.5	< 2	0.73	1.0	38	31	37	3.34	< 10	< 1	0.17	< 10	0.65	1280	< 1

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BB5289	201	202	0.01	22	350	10	< 2	5	15	0.09	< 10	< 10	111	< 10	94
BB5290	201	202	0.02	28	330	10	< 2	4	15	0.07	< 10	< 10	83	< 10	76
BB5291	201	202	< 0.01	24	160	12	< 2	4	19	0.06	< 10	< 10	59	< 10	68
BB5301	201	202	0.01	29	420	16	< 2	6	18	0.04	< 10	< 10	60	< 10	154
BB5302	201	202	0.01	25	450	14	< 2	3	19	0.01	< 10	< 10	49	< 10	98
BB5303	201	202	< 0.01	26	200	10	< 2	4	14	0.08	< 10	< 10	92	< 10	68
BB5304	201	202	0.03	22	360	10	< 2	3	13	0.05	< 10	< 10	66	< 10	72
BB5305	201	202	0.01	23	220	10	< 2	3	8	0.04	< 10	< 10	61	< 10	70
BB5306	201	202	0.01	12	180	12	< 2	3	19	0.04	< 10	< 10	62	< 10	104
BB5307	201	202	0.01	25	580	14	< 2	5	46	0.05	< 10	< 10	62	< 10	106
BB5310	201	202	0.01	29	370	10	< 2	5	32	0.04	< 10	< 10	51	< 10	96
BB5311	201	202	0.01	20	460	10	< 2	4	12	0.09	< 10	< 10	90	< 10	102
BB5312	201	202	< 0.01	20	190	12	< 2	3	13	0.07	< 10	< 10	80	< 10	58
BB5313	201	202	0.01	23	460	16	< 2	4	21	0.07	< 10	< 10	69	< 10	76
BB5314	201	202	0.01	21	230	12	< 2	4	18	0.07	< 10	< 10	91	< 10	340
BB5315	201	202	0.01	23	400	8	< 2	2	11	0.06	< 10	< 10	72	< 10	66
BB5316	201	202	0.01	15	240	10	< 2	2	13	0.04	< 10	< 10	51	< 10	70
BB5317	201	202	0.02	17	610	14	< 2	4	26	0.06	< 10	< 10	51	< 10	184
BB5318	201	202	< 0.01	29	330	10	< 2	6	22	0.16	< 10	< 10	127	< 10	188
BB5319	201	202	0.01	34	580	10	< 2	8	18	0.13	< 10	< 10	142	< 10	112
BB5320	201	202	0.01	32	990	16	< 2	5	33	0.01	< 10	< 10	48	< 10	140
BB5321	201	202	< 0.01	31	400	12	< 2	5	13	0.11	< 10	< 10	108	< 10	126
BB5322	201	202	0.02	29	580	12	< 2	5	38	0.02	< 10	< 10	61	< 10	156
BB5323	201	202	0.01	27	360	14	< 2	5	22	0.04	< 10	< 10	66	< 10	112
BB5324	201	202	< 0.01	31	500	14	< 2	4	14	0.05	< 10	< 10	70	< 10	108
BB5325	201	202	0.01	25	410	12	< 2	5	13	0.06	< 10	< 10	70	< 10	132
BB5326	201	202	< 0.01	27	250	12	< 2	4	14	0.11	< 10	< 10	93	< 10	104
BB5327	201	202	< 0.01	34	310	12	< 2	12	21	0.11	< 10	< 10	156	< 10	324
BB5328	201	202	0.01	24	520	14	< 2	5	12	0.07	< 10	< 10	100	< 10	132
BB5329	201	202	0.01	28	360	10	< 2	8	19	0.13	< 10	< 10	179	< 10	170
BB5330	201	202	0.06	13	520	6	< 2	7	12	0.10	< 10	< 10	90	< 10	80
BB5331	201	202	0.01	19	420	8	< 2	3	9	0.15	< 10	< 10	136	< 10	120
BB5332	201	202	0.01	11	890	6	< 2	11	25	0.20	< 10	< 10	180	< 10	140
BB5333	201	202	< 0.01	26	610	10	< 2	12	22	0.20	< 10	< 10	140	< 10	158
BB5334	201	202	0.03	14	350	8	< 2	4	11	0.07	< 10	< 10	97	< 10	66
BB5335	201	202	0.04	18	450	4	< 2	10	27	0.08	< 10	< 10	106	< 10	88
BB5336	201	202	0.01	28	350	12	< 2	8	19	0.09	< 10	< 10	86	< 10	98
BB5337	201	202	< 0.01	26	590	12	< 2	4	17	0.07	< 10	< 10	72	< 10	136
BB5338	201	202	< 0.01	34	330	8	< 2	7	19	0.15	< 10	< 10	116	< 10	102
BB5339	201	202	0.04	27	610	8	< 2	6	21	0.08	< 10	< 10	75	< 10	154

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SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
BB5340	201	202	0.8	2.63	< 2	520	< 0.5	< 2	1.73	2.5	48	47	172	5.58	< 10	< 1	0.17	< 10	1.34	1995	< 1
BB5341	201	202	< 0.2	1.75	4	340	< 0.5	< 2	0.33	< 0.5	11	33	32	2.82	< 10	< 1	0.07	< 10	0.63	490	< 1
BB5342	201	202	< 0.2	2.02	8	540	< 0.5	< 2	0.46	0.5	15	42	15	3.55	< 10	< 1	0.12	10	0.68	755	1
BB5343	201	202	0.6	1.40	4	600	< 0.5	< 2	0.68	0.5	8	28	54	2.11	< 10	< 1	0.09	10	0.51	600	1
BB5344	201	202	< 0.2	1.22	6	290	< 0.5	< 2	0.35	1.0	14	28	25	2.97	< 10	< 1	0.11	10	0.51	790	2
BB5345	201	202	< 0.2	1.75	6	470	< 0.5	< 2	0.37	< 0.5	9	34	20	2.68	< 10	< 1	0.08	10	0.53	265	1
BB5346	201	202	< 0.2	1.59	10	310	< 0.5	< 2	0.22	< 0.5	8	29	17	2.82	< 10	< 1	0.07	10	0.48	350	1
BB5347	201	202	< 0.2	1.77	10	590	< 0.5	< 2	0.48	< 0.5	9	34	34	2.64	< 10	< 1	0.07	10	0.68	345	1
BB5451	201	202	< 0.2	1.70	2	400	< 0.5	< 2	0.33	0.5	10	30	11	2.44	< 10	< 1	0.08	10	0.41	275	< 1
BB5452	201	202	0.2	1.55	12	440	< 0.5	< 2	1.49	0.5	16	36	38	3.36	< 10	< 1	0.06	< 10	0.71	1265	1
BB5455	201	202	0.2	1.35	6	440	< 0.5	< 2	0.91	0.5	10	30	28	2.67	< 10	< 1	0.10	10	0.73	445	1
BB5456	201	202	0.2	1.45	2	440	< 0.5	< 2	1.94	1.5	11	29	521	2.54	< 10	< 1	0.14	< 10	0.77	395	< 1
BB5457	201	202	0.2	0.85	2	340	< 0.5	< 2	2.15	0.5	6	16	405	1.37	< 10	< 1	0.07	< 10	0.51	380	< 1
BB5461	201	202	0.6	2.00	8	900	0.5	< 2	1.63	1.5	17	39	102	3.20	< 10	< 1	0.18	10	0.81	1545	1
BB5462	201	202	0.2	1.50	12	680	0.5	< 2	0.77	1.5	13	29	56	3.33	< 10	< 1	0.19	10	0.77	510	2
BB5463	201	202	0.2	2.05	< 2	750	0.5	< 2	1.32	1.5	12	36	66	2.51	< 10	< 1	0.10	< 10	0.69	325	< 1
BB5464	201	202	< 0.2	2.35	< 2	250	< 0.5	< 2	0.36	0.5	10	38	16	3.30	< 10	< 1	0.05	10	0.54	230	< 1
BB5465	201	202	< 0.2	1.65	< 2	440	< 0.5	< 2	0.35	< 0.5	7	27	10	2.20	< 10	< 1	0.08	10	0.44	180	1
BB5466	201	202	< 0.2	2.54	8	660	0.5	< 2	0.73	2.0	26	51	32	4.91	< 10	< 1	0.18	10	0.76	1250	1
BB5468	201	202	< 0.2	2.85	< 2	520	< 0.5	< 2	0.50	0.5	13	45	19	3.26	< 10	< 1	0.14	10	0.96	320	1
BB5469	201	202	< 0.2	1.44	4	320	< 0.5	< 2	0.40	0.5	12	32	21	2.79	< 10	< 1	0.12	10	0.61	435	1
BB5470	201	202	1.2	3.19	< 2	1340	0.5	< 2	1.98	2.0	20	58	309	4.31	< 10	< 1	0.16	10	0.73	910	1
BB5471	201	202	< 0.2	2.72	< 2	410	< 0.5	< 2	1.03	1.0	25	58	38	5.05	< 10	< 1	0.15	< 10	0.96	890	< 1
BB5472	201	202	< 0.2	2.67	< 2	390	< 0.5	< 2	0.42	0.5	14	45	46	4.09	< 10	< 1	0.08	10	0.73	365	< 1
BB5473	201	202	0.2	2.58	12	560	0.5	< 2	0.73	0.5	19	49	108	4.35	< 10	< 1	0.17	20	0.87	1230	1
BB5475	201	202	0.2	1.73	< 2	450	< 0.5	< 2	1.20	1.0	10	30	132	2.34	< 10	< 1	0.10	10	0.59	390	1
BB5476	201	202	0.2	2.39	8	740	0.5	< 2	0.40	1.5	15	43	42	3.47	< 10	< 1	0.17	10	0.55	425	2
BB5477	201	202	0.2	1.14	< 2	340	< 0.5	< 2	2.91	< 0.5	6	13	490	1.19	< 10	< 1	0.05	< 10	0.32	415	< 1
BB5478	201	202	< 0.2	2.65	8	450	< 0.5	< 2	0.89	0.5	27	45	78	5.18	< 10	< 1	0.11	< 10	0.84	890	< 1
BB5479	201	202	< 0.2	2.45	4	520	< 0.5	< 2	0.72	1.5	22	41	568	5.53	< 10	< 1	0.05	< 10	0.84	550	1
BB5480	201	202	0.2	2.79	6	560	< 0.5	< 2	0.87	0.5	26	36	183	6.22	10	< 1	0.15	< 10	0.86	765	1
BB5481	201	202	0.2	3.47	2	510	< 0.5	< 2	0.97	0.5	32	43	101	5.43	< 10	< 1	0.12	< 10	1.29	1575	< 1
BB5482	201	202	0.2	3.65	< 2	200	0.5	< 2	1.28	0.5	43	17	118	8.99	10	1	0.15	< 10	1.60	2960	< 1
BB5483	201	202	< 0.2	2.66	18	270	< 0.5	< 2	0.48	0.5	33	63	2010	7.47	< 10	< 1	0.11	< 10	0.82	620	3
BB5484	201	202	< 0.2	2.71	6	380	< 0.5	< 2	0.86	0.5	27	51	547	6.52	< 10	< 1	0.10	< 10	1.04	680	2
BB5485	201	202	< 0.2	2.78	4	250	< 0.5	< 2	0.45	0.5	27	33	122	6.47	< 10	< 1	0.08	< 10	0.64	880	< 1
BB5486	201	202	0.2	2.43	2	800	< 0.5	< 2	1.04	1.5	28	48	1310	5.11	< 10	< 1	0.10	< 10	0.77	1000	1
BB6820	201	202	< 0.2	2.33	6	300	< 0.5	< 2	0.30	< 0.5	12	49	37	3.74	< 10	< 1	0.06	10	0.90	360	< 1
BB6821	201	202	< 0.2	3.40	< 2	490	< 0.5	< 2	0.99	1.0	37	59	61	7.41	10	< 1	0.12	< 10	1.73	1735	< 1
BB6822	201	202	0.2	3.73	< 2	300	< 0.5	< 2	1.08	0.5	31	60	115	7.71	10	< 1	0.06	< 10	2.30	895	< 1

CERTIFICATION: Hart Bichler

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Analytical Chemists * Geochemists * Registered Assayers
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To: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : ICE
Comments:

Certificate Date: 01-AUG-96
Invoice No. : I9625249
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9625249

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB5340	201	202	0.02	38	1360	12	< 2	12	33	0.16	< 10	< 10	90	< 10	442
BB5341	201	202	0.02	28	370	14	< 2	4	12	0.04	< 10	< 10	70	< 10	116
BB5342	201	202	< 0.01	25	520	14	< 2	4	14	0.08	< 10	< 10	93	< 10	126
BB5343	201	202	0.03	27	630	8	< 2	5	26	0.04	< 10	< 10	46	< 10	140
BB5344	201	202	0.01	23	770	12	< 2	2	14	0.05	< 10	< 10	69	< 10	150
BB5345	201	202	0.02	23	280	8	< 2	4	12	0.07	< 10	< 10	74	< 10	64
BB5346	201	202	0.01	19	280	12	< 2	2	9	0.04	< 10	< 10	65	< 10	62
BB5347	201	202	0.01	22	230	12	< 2	4	16	0.05	< 10	< 10	61	< 10	58
BB5451	201	202	0.01	18	110	10	< 2	2	12	0.04	< 10	< 10	73	< 10	76
BB5452	201	202	0.03	22	440	10	< 2	5	32	0.09	< 10	< 10	85	< 10	162
BB5455	201	202	0.01	28	950	12	< 2	5	41	0.06	< 10	< 10	57	< 10	102
BB5456	201	202	0.02	29	1110	10	< 2	5	53	0.05	< 10	< 10	53	< 10	246
BB5457	201	202	0.01	19	690	6	< 2	3	57	0.02	< 10	< 10	27	< 10	136
BB5461	201	202	0.02	37	1030	18	< 2	7	57	0.02	< 10	< 10	70	< 10	180
BB5462	201	202	0.01	45	1230	18	< 2	5	41	0.02	< 10	< 10	59	< 10	192
BB5463	201	202	0.03	34	460	18	< 2	5	32	0.05	< 10	< 10	60	< 10	174
BB5464	201	202	0.01	20	190	10	< 2	3	11	0.06	< 10	< 10	82	< 10	118
BB5465	201	202	0.04	17	320	10	< 2	2	12	0.04	< 10	< 10	56	< 10	58
BB5466	201	202	< 0.01	29	690	20	< 2	7	25	0.12	< 10	< 10	126	< 10	228
BB5468	201	202	0.01	33	390	8	< 2	5	19	0.10	< 10	< 10	87	< 10	128
BB5469	201	202	< 0.01	22	260	10	< 2	4	14	0.07	< 10	< 10	63	< 10	144
BB5470	201	202	0.02	56	590	16	< 2	16	40	0.04	< 10	< 10	137	< 10	254
BB5471	201	202	< 0.01	34	280	10	< 2	7	21	0.19	< 10	< 10	134	< 10	132
BB5472	201	202	< 0.01	25	310	10	< 2	4	12	0.12	< 10	< 10	131	< 10	128
BB5473	201	202	0.01	40	610	16	< 2	14	19	0.05	< 10	< 10	94	< 10	180
BB5475	201	202	0.03	22	500	14	< 2	4	28	0.04	< 10	< 10	70	< 10	284
BB5476	201	202	0.01	29	430	18	< 2	6	21	0.04	< 10	< 10	84	< 10	218
BB5477	201	202	0.09	12	630	8	< 2	5	53	0.03	< 10	< 10	32	< 10	34
BB5478	201	202	< 0.01	27	290	14	< 2	5	20	0.16	< 10	< 10	148	< 10	186
BB5479	201	202	< 0.01	23	590	10	< 2	6	14	0.17	< 10	< 10	136	< 10	132
BB5480	201	202	< 0.01	25	480	10	< 2	8	23	0.20	< 10	< 10	165	< 10	166
BB5481	201	202	< 0.01	33	790	12	< 2	7	27	0.21	< 10	< 10	141	< 10	160
BB5482	201	202	0.01	24	440	4	< 2	19	34	0.17	< 10	< 10	224	< 10	114
BB5483	201	202	< 0.01	31	530	18	< 2	10	16	0.10	< 10	< 10	137	< 10	174
BB5484	201	202	< 0.01	25	530	8	< 2	8	20	0.14	< 10	< 10	158	< 10	148
BB5485	201	202	0.01	24	350	12	< 2	7	18	0.06	< 10	< 10	145	< 10	206
BB5486	201	202	0.01	33	490	12	< 2	11	35	0.09	< 10	< 10	116	< 10	202
BB6820	201	202	< 0.01	28	240	10	< 2	6	12	0.07	< 10	< 10	93	< 10	82
BB6821	201	202	< 0.01	34	650	6	< 2	14	20	0.16	< 10	< 10	189	< 10	194
BB6822	201	202	< 0.01	33	370	6	< 2	16	22	0.22	< 10	< 10	203	< 10	152

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CERTIFICATE OF ANALYSIS A9625249

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
BB6823	201	202	< 0.2	4.51	< 2	230	< 0.5	< 2	0.46	0.5	36	53	67	8.58	10	< 1	0.04	< 10	1.37	1355	< 1
BB6824	201	202	< 0.2	2.50	8	360	< 0.5	< 2	0.68	< 0.5	21	57	57	4.93	< 10	< 1	0.09	< 10	1.14	720	1
BB6825	201	202	0.2	3.50	< 2	630	< 0.5	< 2	0.85	0.5	32	73	117	6.43	10	< 1	0.31	< 10	1.18	2110	< 1
BB6826	201	202	< 0.2	2.05	8	290	< 0.5	< 2	0.40	< 0.5	16	42	294	3.68	< 10	< 1	0.09	10	0.78	455	1
BB6827	201	202	< 0.2	1.67	4	480	< 0.5	< 2	0.41	< 0.5	9	36	29	2.91	< 10	< 1	0.11	10	0.66	445	1
BB6828	201	202	0.6	2.45	4	620	0.5	< 2	1.12	1.5	19	49	92	3.99	< 10	< 1	0.12	< 10	0.66	1635	2
BB6829	201	202	< 0.2	1.43	8	320	< 0.5	< 2	0.21	0.5	11	34	19	3.08	< 10	< 1	0.11	10	0.44	350	1
BB6830	201	202	< 0.2	0.98	2	460	< 0.5	< 2	0.54	< 0.5	7	27	20	1.92	< 10	< 1	0.05	< 10	0.51	275	1
BB6831	201	202	< 0.2	1.64	6	440	< 0.5	< 2	0.76	< 0.5	12	35	29	2.87	< 10	< 1	0.06	< 10	0.86	435	1
BB6832	201	202	< 0.2	1.39	8	470	< 0.5	< 2	0.49	< 0.5	9	33	33	2.79	< 10	< 1	0.06	< 10	0.69	390	1
BB6833	201	202	0.2	1.23	8	540	< 0.5	< 2	1.12	0.5	11	26	44	3.03	< 10	< 1	0.07	< 10	0.60	420	1
BB6834	201	202	0.2	1.34	12	520	< 0.5	< 2	0.80	1.0	11	27	44	2.76	< 10	< 1	0.12	10	0.70	445	2
BB6835	201	202	< 0.2	1.78	8	220	< 0.5	< 2	0.63	2.0	19	41	28	4.34	< 10	< 1	0.08	< 10	0.77	605	1
BB6836	201	202	0.4	2.01	2	630	0.5	< 2	0.82	< 0.5	9	35	45	2.82	< 10	< 1	0.12	10	0.69	420	1
BB6837	201	202	< 0.2	1.52	2	350	< 0.5	< 2	0.58	< 0.5	12	35	24	2.58	< 10	< 1	0.11	10	0.68	600	1
BB6838	201	202	< 0.2	2.62	8	410	< 0.5	< 2	0.61	< 0.5	14	49	40	4.20	< 10	< 1	0.15	10	0.81	580	2
BB6839	201	202	< 0.2	2.17	6	600	< 0.5	< 2	0.79	0.5	16	40	29	3.63	< 10	< 1	0.07	< 10	0.93	630	1
BB6859	201	202	< 0.2	1.09	4	330	< 0.5	< 2	0.39	< 0.5	6	25	25	1.75	< 10	< 1	0.04	< 10	0.45	225	< 1
BB6860	201	202	< 0.2	2.09	14	450	< 0.5	< 2	0.86	3.0	21	58	36	4.47	< 10	< 1	0.08	< 10	1.09	950	2
BB6861	201	202	0.2	1.64	4	640	< 0.5	< 2	0.63	< 0.5	9	33	89	2.61	< 10	< 1	0.09	10	0.70	270	1
BB6862	201	202	< 0.2	1.93	4	600	< 0.5	< 2	0.64	0.5	12	34	38	2.93	< 10	< 1	0.12	10	0.74	500	1
BB6863	201	202	0.2	1.85	2	390	< 0.5	< 2	1.26	0.5	13	39	28	2.60	< 10	< 1	0.14	10	0.89	570	1
BB6864	201	202	< 0.2	1.21	8	260	< 0.5	< 2	0.21	1.5	12	25	25	3.27	< 10	< 1	0.08	10	0.33	650	2
BB6865	201	202	< 0.2	1.57	2	390	< 0.5	< 2	1.00	0.5	11	34	48	2.82	< 10	< 1	0.08	< 10	0.71	410	< 1
BB6866	201	202	0.4	1.61	< 2	470	< 0.5	< 2	1.20	0.5	9	29	57	2.28	< 10	< 1	0.08	< 10	0.58	385	1
BB6867	201	202	< 0.2	1.21	< 2	330	< 0.5	< 2	0.40	< 0.5	9	25	20	2.17	< 10	< 1	0.07	10	0.50	465	< 1
BB6868	201	202	< 0.2	1.21	< 2	330	< 0.5	< 2	0.46	0.5	8	24	19	2.15	< 10	< 1	0.08	10	0.43	640	1
BB6869	201	202	< 0.2	1.42	6	610	< 0.5	< 2	0.80	< 0.5	10	37	32	2.44	< 10	< 1	0.07	< 10	0.63	460	1
BB6870	201	202	0.4	1.43	< 2	820	< 0.5	< 2	1.17	0.5	7	31	36	2.29	< 10	< 1	0.07	10	0.68	235	< 1
BB6871	201	202	0.2	1.49	10	640	< 0.5	< 2	0.79	0.5	11	30	44	2.63	< 10	< 1	0.14	10	0.68	460	1
BB6872	201	202	0.2	1.65	2	580	< 0.5	< 2	1.12	0.5	9	34	48	2.53	< 10	< 1	0.14	< 10	0.77	360	< 1
BB6873	201	202	0.6	2.13	6	1020	0.5	< 2	1.45	1.0	13	40	81	3.20	< 10	< 1	0.20	10	0.84	490	1
BB6874	201	202	< 0.2	1.41	8	600	< 0.5	< 2	0.43	0.5	8	35	19	2.53	< 10	< 1	0.08	10	0.54	360	1
BB6875	201	202	< 0.2	1.53	< 2	600	< 0.5	< 2	0.48	0.5	10	32	20	2.29	< 10	< 1	0.08	10	0.56	920	< 1
BB6876	201	202	0.2	2.13	6	350	< 0.5	< 2	0.10	0.5	6	39	15	3.30	< 10	< 1	0.08	10	0.52	300	1
BB6877	201	202	< 0.2	1.08	2	270	< 0.5	< 2	0.25	< 0.5	6	23	32	2.00	< 10	< 1	0.07	10	0.34	255	1
BB6878	201	202	< 0.2	1.49	6	440	< 0.5	< 2	0.52	< 0.5	7	34	19	2.54	< 10	< 1	0.07	10	0.70	290	< 1
BB6879	201	202	0.2	1.83	4	560	< 0.5	< 2	0.94	< 0.5	13	44	124	3.39	< 10	1	0.07	< 10	0.89	560	1
BB6880	201	202	0.2	2.30	< 2	270	< 0.5	< 2	0.26	0.5	30	46	51	6.95	10	< 1	0.14	< 10	1.48	1860	< 1
BB6881	201	202	< 0.2	2.59	12	310	< 0.5	< 2	0.94	1.0	37	86	102	7.80	< 10	< 1	0.06	< 10	1.14	1580	< 1

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Page ar :4-B
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SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB6823	201	202	0.02	35	360	2	< 2	24	16	< 0.01	< 10	< 10	266	< 10	104
BB6824	201	202	< 0.01	33	450	8	< 2	9	14	0.14	< 10	< 10	132	< 10	100
BB6825	201	202	< 0.01	43	650	12	< 2	19	18	0.13	< 10	< 10	176	< 10	192
BB6826	201	202	< 0.01	26	210	10	< 2	5	12	0.08	< 10	< 10	91	< 10	76
BB6827	201	202	0.01	32	370	16	< 2	4	17	0.01	< 10	< 10	59	< 10	80
BB6828	201	202	0.02	39	980	12	< 2	9	28	0.06	< 10	< 10	95	< 10	156
BB6829	201	202	< 0.01	22	880	12	< 2	3	13	0.04	< 10	< 10	71	< 10	102
BB6830	201	202	< 0.01	25	1010	8	< 2	4	26	0.03	< 10	< 10	43	< 10	66
BB6831	201	202	< 0.01	30	790	10	< 2	4	30	0.08	< 10	< 10	60	< 10	82
BB6832	201	202	< 0.01	32	500	10	< 2	4	20	0.04	< 10	< 10	57	< 10	96
BB6833	201	202	0.01	30	1060	14	< 2	5	39	0.03	< 10	< 10	54	< 10	112
BB6834	201	202	0.01	35	1150	16	< 2	5	37	0.04	< 10	< 10	59	< 10	150
BB6835	201	202	< 0.01	32	660	14	< 2	5	15	0.11	< 10	< 10	100	< 10	160
BB6836	201	202	0.01	29	510	12	< 2	7	23	0.03	< 10	< 10	67	< 10	106
BB6837	201	202	0.01	24	560	10	< 2	5	18	0.06	< 10	< 10	62	< 10	160
BB6838	201	202	< 0.01	30	360	12	< 2	6	18	0.09	< 10	< 10	118	< 10	90
BB6839	201	202	< 0.01	28	190	12	< 2	6	16	0.14	< 10	< 10	103	< 10	84
BB6859	201	202	< 0.01	21	680	8	< 2	3	17	0.04	< 10	< 10	43	< 10	60
BB6860	201	202	< 0.01	35	970	14	< 2	6	24	0.18	< 10	< 10	122	< 10	162
BB6861	201	202	0.01	34	370	12	< 2	7	23	0.03	< 10	< 10	54	< 10	92
BB6862	201	202	< 0.01	29	680	14	< 2	5	28	0.07	< 10	< 10	72	< 10	78
BB6863	201	202	0.01	27	1210	10	< 2	9	32	0.06	< 10	< 10	67	< 10	132
BB6864	201	202	< 0.01	18	600	10	< 2	3	10	0.06	< 10	< 10	79	< 10	104
BB6865	201	202	0.01	26	430	8	< 2	11	15	0.06	< 10	< 10	69	< 10	70
BB6866	201	202	0.03	27	740	8	< 2	8	27	0.03	< 10	< 10	51	< 10	60
BB6867	201	202	0.01	19	310	12	< 2	3	12	0.03	< 10	< 10	46	< 10	70
BB6868	201	202	0.01	19	260	12	< 2	3	12	0.03	< 10	< 10	48	< 10	144
BB6869	201	202	0.01	29	860	10	< 2	5	18	0.03	< 10	< 10	54	< 10	96
BB6870	201	202	0.01	24	760	12	< 2	5	32	0.05	< 10	< 10	51	< 10	82
BB6871	201	202	< 0.01	29	940	12	< 2	6	35	0.05	< 10	< 10	56	< 10	100
BB6872	201	202	0.03	31	950	10	< 2	7	44	0.07	< 10	< 10	60	< 10	128
BB6873	201	202	0.02	44	790	16	< 2	9	43	0.05	< 10	< 10	75	< 10	116
BB6874	201	202	< 0.01	22	380	10	< 2	4	14	0.04	< 10	< 10	66	< 10	98
BB6875	201	202	0.01	20	470	10	< 2	5	15	0.04	< 10	< 10	58	< 10	112
BB6876	201	202	< 0.01	23	310	14	< 2	3	12	0.02	< 10	< 10	70	< 10	66
BB6877	201	202	0.01	21	480	10	< 2	2	9	< 0.01	< 10	< 10	32	< 10	62
BB6878	201	202	0.01	23	280	12	< 2	4	13	0.03	< 10	< 10	47	< 10	64
BB6879	201	202	0.01	36	390	12	< 2	12	14	0.07	< 10	< 10	82	< 10	76
BB6880	201	202	< 0.01	26	450	8	< 2	11	10	0.35	< 10	< 10	151	< 10	124
BB6881	201	202	0.01	44	310	4	< 2	33	14	< 0.01	< 10	< 10	150	< 10	134

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221 FAX: 604-984-0218

To: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : ICE
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Account :MPO

CERTIFICATE OF ANALYSIS A9625249

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
BB6882	201	202	< 0.2	1.60	8	360	< 0.5	< 2	0.41	< 0.5	9	34	22	3.11	< 10	< 1	0.08	10	0.68	330	1
BB6883	201	202	< 0.2	1.53	8	320	< 0.5	< 2	0.73	< 0.5	14	37	30	3.16	< 10	< 1	0.08	10	0.71	620	1
BB6884	201	202	0.2	3.59	6	510	< 0.5	< 2	0.38	1.0	26	77	1565	7.04	10	< 1	0.05	< 10	0.89	350	4
BB6885	201	202	0.2	1.63	< 2	380	< 0.5	< 2	0.47	2.5	36	32	148	4.15	< 10	< 1	0.10	< 10	0.51	665	1
BB6886	201	202	0.2	2.72	2	720	< 0.5	< 2	0.73	1.5	43	48	417	5.62	< 10	< 1	0.11	< 10	0.81	1420	1
BB6887	201	202	< 0.2	2.15	8	390	< 0.5	< 2	0.58	0.5	21	45	135	4.06	< 10	< 1	0.13	10	0.88	690	1
BB6888	201	202	0.2	2.17	4	660	< 0.5	< 2	0.26	1.0	18	40	105	4.80	< 10	< 1	0.16	< 10	0.42	1995	1
BB6889	201	202	< 0.2	1.94	< 2	660	< 0.5	< 2	0.17	0.5	15	32	50	3.75	< 10	< 1	0.09	10	0.34	775	1
BB6890	201	202	0.2	2.55	6	460	< 0.5	< 2	0.58	2.5	17	50	73	5.07	< 10	< 1	0.07	< 10	0.90	445	1
BB6891	201	202	< 0.2	1.47	2	270	< 0.5	< 2	0.14	< 0.5	6	27	11	2.26	< 10	< 1	0.04	10	0.44	310	1
BB6892	201	202	< 0.2	3.38	6	3450	< 0.5	< 2	0.41	1.0	15	44	53	4.16	< 10	< 1	0.05	< 10	1.62	1385	1
BB6893	201	202	< 0.2	1.54	14	570	< 0.5	< 2	0.49	0.5	11	30	32	2.77	< 10	< 1	0.11	10	0.62	475	1

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To: EXPATRIATE RESOURCES LTD.
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CERTIFICATE OF ANALYSIS A9625249

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB6882	201	202	< 0.01	22	170	10	< 2	4	10	0.06	< 10	< 10	72	< 10	66
BB6883	201	202	< 0.01	26	280	12	< 2	6	15	0.08	< 10	< 10	71	< 10	74
BB6884	201	202	0.01	31	370	16	< 2	11	21	0.09	< 10	< 10	178	< 10	270
BB6885	201	202	< 0.01	17	350	10	< 2	5	13	0.08	< 10	< 10	90	< 10	548
BB6886	201	202	< 0.01	30	580	14	< 2	11	25	0.14	< 10	< 10	141	< 10	440
BB6887	201	202	< 0.01	34	510	12	< 2	8	16	0.09	< 10	< 10	95	< 10	154
BB6888	201	202	0.01	40	760	18	< 2	6	13	0.06	< 10	< 10	97	< 10	268
BB6889	201	202	0.01	34	430	16	< 2	4	12	0.04	< 10	< 10	71	< 10	162
BB6890	201	202	< 0.01	32	630	14	< 2	5	14	0.15	< 10	< 10	133	< 10	132
BB6891	201	202	< 0.01	16	170	8	< 2	2	6	0.04	< 10	< 10	61	< 10	64
BB6892	201	202	0.01	25	250	12	< 2	8	28	0.03	< 10	< 10	114	< 10	116
BB6893	201	202	< 0.01	30	570	16	< 2	5	23	0.03	< 10	< 10	51	< 10	102

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Invoice No. : I9625244
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CERTIFICATE OF ANALYSIS A9625244

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
BB06805	201	202	< 5	< 0.2	2.48	10	520	< 0.5	< 2	0.84	< 0.5	18	49	103	4.39	< 10	< 1	0.08	10	1.01	850
BB06806	201	202	< 5	0.2	3.02	6	560	0.5	6	0.76	< 0.5	24	39	57	5.98	10	< 1	0.06	10	0.56	2100
BB06807	201	202	< 5	< 0.2	1.79	12	340	< 0.5	< 2	0.36	< 0.5	15	41	64	3.31	< 10	< 1	0.14	10	0.68	960
BB06808	201	202	< 5	< 0.2	1.97	12	670	< 0.5	< 2	0.38	1.5	14	39	25	3.41	< 10	< 1	0.12	10	0.64	810
BB06809	201	202	< 5	< 0.2	1.85	12	570	< 0.5	< 2	0.74	0.5	13	45	39	3.08	< 10	< 1	0.19	10	0.76	830
BB06810	201	202	< 5	0.2	1.36	6	440	< 0.5	< 2	0.72	0.5	9	31	37	2.07	< 10	< 1	0.11	10	0.48	660
BB06811	201	202	< 5	< 0.2	2.51	12	730	< 0.5	< 2	0.40	< 0.5	15	64	34	3.84	< 10	< 1	0.12	10	0.99	755
BB06812	201	202	< 5	0.4	1.67	12	260	< 0.5	< 2	0.11	< 0.5	5	29	32	2.84	< 10	< 1	0.07	10	0.35	265
BB06813	201	202	15	< 0.2	1.81	6	520	< 0.5	2	0.83	0.5	9	45	15	2.66	< 10	< 1	0.11	< 10	0.70	285
BB06814	201	202	< 5	< 0.2	1.58	10	520	0.5	< 2	0.68	< 0.5	9	30	38	2.55	< 10	< 1	0.12	10	0.65	340
BB06815	201	202	< 5	< 0.2	2.36	6	500	0.5	< 2	1.78	< 0.5	16	44	104	4.58	< 10	< 1	0.06	10	0.56	845
BB06816	201	202	< 5	< 0.2	2.69	16	420	0.5	< 2	0.42	< 0.5	16	55	53	3.94	< 10	< 1	0.13	10	1.13	530
BB06817	201	202	< 5	< 0.2	2.26	6	400	< 0.5	< 2	0.77	< 0.5	16	45	39	3.95	< 10	< 1	0.10	< 10	0.80	835
BB06818	201	202	< 5	< 0.2	2.67	10	500	0.5	2	0.61	< 0.5	22	57	50	4.59	< 10	< 1	0.11	< 10	0.98	1240
BB06819	201	202	< 5	< 0.2	3.15	4	440	< 0.5	4	0.88	< 0.5	36	81	100	6.60	10	< 1	0.13	< 10	1.56	2310
BB06840	201	202	< 5	< 0.2	2.00	6	600	< 0.5	< 2	0.75	< 0.5	15	48	59	3.29	< 10	< 1	0.07	< 10	1.03	730
BB06841	201	202	< 5	< 0.2	3.53	8	730	< 0.5	2	0.72	< 0.5	27	92	62	6.06	10	< 1	0.09	< 10	1.38	1545
BB06842	201	202	< 5	< 0.2	2.70	8	700	0.5	< 2	0.19	< 0.5	10	57	37	3.23	< 10	< 1	0.08	10	0.75	350
BB06843	201	202	< 5	< 0.2	3.31	6	1010	< 0.5	< 2	1.32	< 0.5	25	81	423	5.14	< 10	< 1	0.07	< 10	1.55	1890
BB06844	201	202	< 5	< 0.2	2.72	10	480	< 0.5	2	0.65	< 0.5	17	64	39	4.45	< 10	< 1	0.11	< 10	1.18	610
BB06845	201	202	5	< 0.2	2.11	6	790	0.5	< 2	0.61	< 0.5	9	40	35	2.78	< 10	< 1	0.12	10	0.70	405
BB06846	201	202	30	< 0.2	2.41	6	490	0.5	< 2	0.31	< 0.5	12	45	39	3.42	< 10	< 1	0.13	10	0.65	685
BB06847	201	202	< 5	0.6	1.71	12	450	< 0.5	< 2	0.67	0.5	9	26	39	2.76	< 10	< 1	0.13	10	0.63	360
BB06848	201	202	< 5	< 0.2	1.99	6	420	< 0.5	< 2	0.60	< 0.5	13	39	31	3.81	< 10	< 1	0.11	10	0.81	485
BB06849	201	202	< 5	< 0.2	2.27	14	520	< 0.5	< 2	0.40	< 0.5	15	49	49	4.33	< 10	< 1	0.11	10	1.14	725
BB06850	201	202	< 5	0.2	2.07	12	690	< 0.5	< 2	0.45	< 0.5	7	36	19	3.00	< 10	< 1	0.06	10	0.68	285
BB06851	201	202	< 5	0.2	2.91	14	300	< 0.5	< 2	0.47	< 0.5	15	49	41	5.54	< 10	< 1	0.05	< 10	0.74	560
BB06852	201	202	< 5	< 0.2	2.75	6	450	< 0.5	4	0.55	< 0.5	17	54	37	5.65	10	< 1	0.09	< 10	0.95	780
BB06853	201	202	< 5	< 0.2	4.09	10	750	< 0.5	2	0.94	< 0.5	29	92	66	6.39	10	< 1	0.06	< 10	1.66	1070
BB06854	201	202	< 5	< 0.2	2.96	10	710	< 0.5	2	0.68	< 0.5	16	59	36	4.51	< 10	< 1	0.08	10	1.12	655
BB06855	201	202	< 5	< 0.2	2.69	8	1070	< 0.5	2	0.63	< 0.5	18	54	46	4.91	< 10	< 1	0.13	10	1.07	1015
BB06856	201	202	< 5	< 0.2	2.09	10	420	< 0.5	< 2	0.44	< 0.5	14	44	35	3.63	< 10	< 1	0.16	10	0.74	615
BB06857	201	202	< 5	0.6	1.92	8	510	0.5	< 2	1.19	< 0.5	12	36	61	3.17	< 10	< 1	0.11	10	0.75	530
BB06858	201	202	< 5	< 0.2	2.50	6	720	< 0.5	< 2	0.59	< 0.5	14	52	32	4.62	< 10	< 1	0.10	10	1.05	530

CERTIFICATION: Hart Bichler

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EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
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Project : ICE
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CERTIFICATE OF ANALYSIS A9625244

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB06805	201	202	1	< 0.01	28	360	6	< 2	14	19	0.11	< 10	< 10	129	< 10	116
BB06806	201	202	2	< 0.01	17	610	12	< 2	8	27	0.19	< 10	< 10	188	< 10	104
BB06807	201	202	2	< 0.01	35	480	10	< 2	5	16	0.06	< 10	< 10	81	< 10	114
BB06808	201	202	3	< 0.01	24	720	12	< 2	4	18	0.07	< 10	< 10	89	< 10	132
BB06809	201	202	3	< 0.01	34	750	16	< 2	9	28	0.05	< 10	< 10	69	< 10	164
BB06810	201	202	1	0.03	22	670	10	< 2	5	25	0.05	< 10	< 10	53	< 10	136
BB06811	201	202	3	< 0.01	33	550	12	< 2	7	17	0.08	< 10	< 10	99	< 10	106
BB06812	201	202	2	< 0.01	18	270	12	< 2	3	9	0.04	< 10	< 10	71	< 10	92
BB06813	201	202	1	< 0.01	21	710	8	< 2	5	28	0.09	< 10	< 10	90	< 10	244
BB06814	201	202	3	< 0.01	36	810	10	< 2	6	27	0.05	< 10	< 10	61	< 10	102
BB06815	201	202	2	< 0.01	30	700	8	< 2	21	27	0.01	< 10	< 10	129	< 10	80
BB06816	201	202	3	< 0.01	40	330	14	< 2	7	13	0.05	< 10	< 10	104	< 10	102
BB06817	201	202	1	< 0.01	26	410	10	< 2	10	16	0.07	< 10	< 10	112	< 10	102
BB06818	201	202	1	< 0.01	31	390	12	< 2	8	17	0.12	< 10	< 10	120	< 10	162
BB06819	201	202	2	< 0.01	35	1210	6	< 2	16	20	0.19	< 10	< 10	159	< 10	204
BB06840	201	202	1	< 0.01	33	320	10	< 2	12	15	0.08	< 10	< 10	86	< 10	100
BB06841	201	202	1	< 0.01	37	560	8	< 2	12	15	0.15	< 10	< 10	167	< 10	162
BB06842	201	202	3	< 0.01	36	280	12	< 2	5	15	0.01	< 10	< 10	69	< 10	86
BB06843	201	202	1	0.01	49	610	2	< 2	38	13	0.11	< 10	< 10	144	< 10	80
BB06844	201	202	1	< 0.01	34	200	12	< 2	7	14	0.11	< 10	< 10	117	< 10	74
BB06845	201	202	1	< 0.01	30	480	12	< 2	7	21	0.01	< 10	< 10	65	< 10	78
BB06846	201	202	2	< 0.01	28	460	10	< 2	6	14	0.04	< 10	< 10	83	< 10	98
BB06847	201	202	6	0.01	34	690	12	< 2	4	24	0.03	< 10	< 10	78	< 10	122
BB06848	201	202	4	< 0.01	30	470	8	< 2	11	16	0.03	< 10	< 10	106	< 10	98
BB06849	201	202	3	< 0.01	33	550	8	< 2	8	13	0.08	< 10	< 10	106	< 10	98
BB06850	201	202	4	< 0.01	22	300	12	< 2	4	17	0.03	< 10	< 10	75	< 10	112
BB06851	201	202	3	< 0.01	25	570	12	< 2	7	15	0.09	< 10	< 10	134	< 10	126
BB06852	201	202	1	< 0.01	25	340	8	< 2	7	14	0.18	< 10	< 10	170	< 10	134
BB06853	201	202	1	< 0.01	40	250	8	< 2	14	25	0.15	< 10	< 10	186	< 10	132
BB06854	201	202	1	< 0.01	31	220	12	< 2	7	17	0.13	< 10	< 10	125	< 10	92
BB06855	201	202	1	< 0.01	31	340	12	< 2	11	15	0.11	< 10	< 10	135	< 10	120
BB06856	201	202	3	< 0.01	28	520	14	< 2	6	15	0.04	< 10	< 10	95	< 10	116
BB06857	201	202	4	0.01	33	620	8	< 2	9	24	0.03	< 10	< 10	88	< 10	98
BB06858	201	202	1	< 0.01	26	310	10	< 2	8	18	0.09	< 10	< 10	117	< 10	86

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Invoice No. : I9622578
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9622578

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
BB13505	202	202	< 0.2	2.26	20	420	< 0.5	< 2	0.50	0.5	20	69	40	4.98	< 10	< 1	0.04	< 10	0.91	585	< 1
BB13506	202	202	< 0.2	2.42	10	400	< 0.5	< 2	0.48	0.5	16	63	39	4.09	< 10	< 1	0.07	10	1.11	710	1
BB13507	202	202	0.2	1.61	< 2	1070	< 0.5	< 2	1.44	0.5	9	35	57	2.50	< 10	< 1	0.06	< 10	0.58	1285	1
BB13508	202	202	< 0.2	0.92	< 2	550	< 0.5	< 2	1.51	< 0.5	3	14	33	0.76	< 10	< 1	0.05	< 10	0.28	465	1
BB13509	202	202	< 0.2	1.58	8	650	< 0.5	< 2	0.50	< 0.5	8	42	35	2.63	< 10	< 1	0.09	10	0.64	345	1
BB13510	202	202	< 0.2	1.83	6	690	< 0.5	< 2	0.68	< 0.5	12	51	47	3.14	< 10	1	0.10	50	0.79	555	1

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SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB13505	202	202	< 0.01	36	430	8	< 2	15	13	0.01	< 10	< 10	127	< 10	90
BB13506	202	202	< 0.01	38	420	10	2	5	17	0.10	< 10	< 10	100	< 10	86
BB13507	202	202	0.04	24	900	6	< 2	6	42	0.05	< 10	< 10	56	< 10	76
BB13508	202	202	0.04	10	1150	< 2	< 2	1	33	0.01	< 10	< 10	21	< 10	26
BB13509	202	202	0.01	21	470	8	< 2	5	18	0.06	< 10	< 10	78	< 10	64
BB13510	202	202	< 0.01	26	480	10	< 2	7	20	0.04	< 10	< 10	79	< 10	80

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P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9622044

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
BB00638	201	202	0.2	1.87	6	1000	< 0.5	< 2	1.11	1.0	11	31	209	3.03	< 10	< 1	0.14	< 10	0.47	360	1
BB00639	201	202	< 0.2	4.15	8	430	< 0.5	< 2	0.47	0.5	20	94	2760	7.86	< 10	< 1	0.09	< 10	1.10	350	1
BB00640	201	202	< 0.2	1.70	6	250	< 0.5	< 2	0.17	0.5	12	34	231	3.83	< 10	< 1	0.09	10	0.34	230	1
BB00641	201	202	< 0.2	2.59	12	450	< 0.5	< 2	0.42	< 0.5	14	46	28	3.46	< 10	< 1	0.16	10	0.64	495	< 1
BB00642	201	202	< 0.2	2.77	8	400	< 0.5	< 2	0.80	0.5	31	17	74	6.49	< 10	< 1	0.10	< 10	0.78	2230	< 1
BB00643	201	202	0.2	2.75	10	570	< 0.5	< 2	0.57	< 0.5	39	67	921	8.30	< 10	< 1	0.08	< 10	0.93	735	4
BB00644	201	202	< 0.2	2.19	10	330	< 0.5	< 2	0.58	< 0.5	23	44	908	4.63	< 10	< 1	0.13	< 10	0.72	725	1
BB00645	201	202	< 0.2	2.31	10	390	< 0.5	< 2	0.32	0.5	25	47	496	4.85	< 10	< 1	0.11	10	0.59	1085	1
BB00646	201	202	< 0.2	3.42	8	360	< 0.5	< 2	1.12	< 0.5	23	66	142	4.96	< 10	< 1	0.17	10	1.16	1045	< 1
BB00647	201	202	< 0.2	3.27	12	320	< 0.5	< 2	0.44	< 0.5	16	55	48	5.61	< 10	< 1	0.15	10	0.80	520	< 1
BB00648	201	202	< 0.2	3.18	12	160	< 0.5	< 2	0.68	< 0.5	27	53	95	6.16	< 10	< 1	0.09	10	1.13	675	1
BB00649	201	202	< 0.2	3.60	10	440	< 0.5	< 2	0.97	< 0.5	24	62	54	6.20	< 10	< 1	0.10	10	1.11	765	< 1
BB00650	201	202	< 0.2	1.88	6	270	< 0.5	< 2	0.78	0.5	12	30	34	3.48	< 10	< 1	0.09	10	0.64	435	< 1
BB13591	201	202	< 0.2	1.70	< 2	210	< 0.5	< 2	0.35	< 0.5	12	29	18	3.41	< 10	< 1	0.07	< 10	0.54	495	< 1
BB13592	201	202	< 0.2	1.80	< 2	390	< 0.5	< 2	0.57	< 0.5	14	32	24	3.84	< 10	< 1	0.09	10	0.60	1105	1
BB13593	201	202	< 0.2	2.46	< 2	330	< 0.5	< 2	0.56	< 0.5	14	42	38	4.87	< 10	< 1	0.05	< 10	0.86	355	< 1
BB13915	201	202	< 0.2	1.56	8	280	< 0.5	< 2	0.39	2.0	11	39	14	3.01	< 10	< 1	0.15	10	0.54	485	1
BB13916	201	202	< 0.2	1.04	8	210	< 0.5	< 2	0.23	0.5	5	24	15	2.47	< 10	< 1	0.13	10	0.27	185	1
BB13917	201	202	< 0.2	1.87	6	420	< 0.5	< 2	0.83	< 0.5	9	41	50	2.96	< 10	< 1	0.10	10	0.64	455	< 1
BB13918	201	202	< 0.2	2.54	12	460	< 0.5	< 2	1.00	< 0.5	12	55	53	3.99	< 10	< 1	0.13	10	0.97	560	1
BB13919	201	202	< 0.2	3.70	8	370	0.5	< 2	0.28	< 0.5	15	76	53	4.38	< 10	< 1	0.13	10	1.04	555	< 1
BB13920	201	202	< 0.2	4.07	8	710	< 0.5	< 2	0.68	< 0.5	21	94	58	5.62	< 10	< 1	0.11	< 10	1.43	735	< 1
BB13921	201	202	< 0.2	4.66	2	870	< 0.5	< 2	0.93	< 0.5	28	109	70	6.22	< 10	< 1	0.13	< 10	2.03	950	< 1
BB13922	201	202	< 0.2	3.54	6	680	< 0.5	< 2	0.34	< 0.5	15	90	38	4.88	< 10	< 1	0.07	10	1.07	435	< 1
BB13923	201	202	< 0.2	3.34	8	520	< 0.5	< 2	0.43	< 0.5	15	59	43	4.66	< 10	< 1	0.08	10	0.98	485	1
BB13925	201	202	< 0.2	1.84	2	240	< 0.5	< 2	0.32	1.0	11	38	154	3.68	< 10	< 1	0.09	10	0.46	240	1
BB13926	201	202	< 0.2	2.00	12	590	< 0.5	< 2	0.98	0.5	11	41	43	3.08	< 10	< 1	0.12	10	0.67	595	1
BB13927	201	202	< 0.2	2.08	8	290	< 0.5	< 2	0.14	0.5	7	31	22	3.22	< 10	< 1	0.04	10	0.46	275	1
BB13928	201	202	< 0.2	1.51	8	610	< 0.5	< 2	0.42	0.5	8	31	33	2.68	< 10	< 1	0.11	10	0.56	395	1
BB13929	201	202	< 0.2	1.49	6	300	< 0.5	< 2	0.22	0.5	7	30	17	2.94	< 10	< 1	0.07	10	0.48	290	1

CERTIFICATION: Hart S. Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221 FAX: 604-984-0218

To: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : ICE
Comments:

Certificate Date: 03-JUL-96
Invoice No. : I9622044
P.O. Number :
Account :MPO

CERTIFICATE OF ANALYSIS A9622044

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB00638	201	202	0.04	24	740	10	< 2	5	48	0.03	< 10	< 10	76	< 10	108
BB00639	201	202	< 0.01	27	920	12	< 2	14	20	0.10	< 10	< 10	195	< 10	230
BB00640	201	202	0.02	15	380	8	< 2	3	11	0.06	< 10	< 10	96	< 10	172
BB00641	201	202	< 0.01	24	340	12	< 2	4	22	0.07	< 10	< 10	106	< 10	104
BB00642	201	202	0.03	18	590	4	< 2	15	30	0.23	< 10	< 10	241	< 10	198
BB00643	201	202	0.01	29	420	14	< 2	9	17	0.15	< 10	< 10	160	< 10	162
BB00644	201	202	0.02	26	440	8	< 2	11	19	0.12	< 10	< 10	118	< 10	130
BB00645	201	202	< 0.01	21	660	12	< 2	5	15	0.08	< 10	< 10	119	< 10	256
BB00646	201	202	0.03	36	570	8	< 2	16	32	0.14	< 10	< 10	144	< 10	80
BB00647	201	202	< 0.01	27	810	10	< 2	5	18	0.19	< 10	< 10	189	< 10	148
BB00648	201	202	< 0.01	31	340	6	< 2	14	17	0.23	< 10	< 10	200	< 10	110
BB00649	201	202	< 0.01	33	400	6	< 2	13	22	0.13	< 10	< 10	210	10	112
BB00650	201	202	0.01	17	220	8	< 2	5	20	0.09	< 10	< 10	116	< 10	60
BB13591	201	202	0.03	15	490	2	< 2	4	12	0.07	< 10	< 10	106	< 10	58
BB13592	201	202	< 0.01	17	370	10	< 2	5	13	0.12	< 10	< 10	117	< 10	82
BB13593	201	202	< 0.01	20	350	4	2	5	15	0.23	< 10	< 10	172	< 10	74
BB13915	201	202	< 0.01	21	780	14	< 2	3	17	0.07	< 10	< 10	81	< 10	414
BB13916	201	202	< 0.01	13	530	8	< 2	2	12	0.06	< 10	< 10	81	< 10	86
BB13917	201	202	< 0.01	24	450	8	2	10	17	0.04	< 10	< 10	86	< 10	78
BB13918	201	202	< 0.01	29	400	8	< 2	11	18	0.09	< 10	< 10	121	< 10	80
BB13919	201	202	< 0.01	42	190	12	< 2	7	14	0.05	< 10	< 10	126	< 10	98
BB13920	201	202	< 0.01	41	210	8	< 2	10	16	0.13	< 10	< 10	178	< 10	88
BB13921	201	202	< 0.01	46	160	6	< 2	11	24	0.25	< 10	< 10	200	< 10	96
BB13922	201	202	< 0.01	32	210	8	< 2	8	17	0.08	< 10	< 10	158	< 10	96
BB13923	201	202	< 0.01	29	210	8	< 2	7	17	0.14	< 10	< 10	172	< 10	108
BB13925	201	202	< 0.01	17	660	8	< 2	3	11	0.09	< 10	< 10	124	< 10	270
BB13926	201	202	< 0.01	27	570	14	< 2	8	19	0.05	< 10	< 10	84	< 10	104
BB13927	201	202	< 0.01	18	260	8	< 2	3	8	0.06	< 10	< 10	87	< 10	90
BB13928	201	202	< 0.01	27	640	10	< 2	4	22	0.03	< 10	< 10	62	< 10	100
BB13929	201	202	< 0.01	16	370	8	< 2	2	9	0.07	< 10	< 10	89	< 10	66

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

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To: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : F.P. ICE
Comments:

Page Number : 1-A
Total Pages : 3
Certificate Date: 23-JUN-96
Invoice No. : I9620849
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9620849

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
T6057	201	202	0.6	2.55	2	520	< 0.5	4	0.50	1.0	26	78	6330	6.82	10	< 1	0.08	< 10	0.94	540	5
T6058	201	202	< 0.2	3.76	10	390	< 0.5	2	0.73	1.5	31	82	2070	7.20	10	< 1	0.07	< 10	1.27	525	4
T6059	201	202	< 0.2	1.74	14	580	0.5	< 2	0.60	0.5	13	32	68	3.21	< 10	< 1	0.23	10	0.69	540	3
T6060	201	202	< 0.2	2.50	< 2	370	< 0.5	< 2	0.80	< 0.5	24	32	83	4.93	10	< 1	0.07	10	0.85	1265	1
T6061	201	202	< 0.2	1.99	< 2	410	< 0.5	< 2	0.88	< 0.5	11	39	42	2.76	< 10	< 1	0.08	10	0.63	470	1
T6062	201	202	0.4	1.34	2	230	< 0.5	< 2	0.78	0.5	6	22	29	1.75	< 10	< 1	0.08	10	0.43	270	3
T6063	201	202	0.2	1.66	< 2	450	< 0.5	< 2	1.08	< 0.5	7	32	59	2.18	< 10	< 1	0.12	10	0.54	375	2
T6064	201	202	< 0.2	1.75	< 2	450	< 0.5	< 2	0.63	0.5	9	37	62	2.67	< 10	< 1	0.14	10	0.54	560	2
T6065	201	202	< 0.2	1.89	2	530	< 0.5	< 2	0.31	< 0.5	8	34	29	2.39	< 10	< 1	0.12	10	0.38	515	1
T6066	201	202	< 0.2	1.37	4	340	< 0.5	< 2	0.63	< 0.5	8	26	30	1.94	< 10	< 1	0.09	10	0.43	365	1
T6067	201	202	< 0.2	0.19	< 2	280	< 0.5	< 2	3.53	< 0.5	< 1	2	18	0.18	< 10	< 1	0.03	< 10	0.29	165	1
T6068	201	202	0.2	1.15	< 2	330	< 0.5	< 2	1.10	< 0.5	5	18	28	1.31	< 10	< 1	0.09	< 10	0.33	220	1
T6069	201	202	< 0.2	2.06	12	750	0.5	< 2	1.15	< 0.5	13	48	67	3.05	< 10	< 1	0.08	10	0.75	920	2
T6070	201	202	0.2	1.58	12	500	0.5	< 2	0.53	< 0.5	12	34	45	2.68	< 10	< 1	0.17	20	0.59	440	2
T6071	201	202	< 0.2	1.64	2	420	< 0.5	< 2	0.33	< 0.5	10	30	31	2.52	< 10	< 1	0.08	10	0.57	390	1
T6072	201	202	< 0.2	1.28	< 2	480	< 0.5	< 2	0.21	< 0.5	7	25	13	1.85	< 10	< 1	0.04	10	0.39	265	< 1
T6073	201	202	< 0.2	2.16	2	170	< 0.5	< 2	0.34	< 0.5	27	27	32	5.98	10	< 1	0.04	< 10	0.61	1265	1
T6074	201	202	< 0.2	2.17	8	150	< 0.5	< 2	0.24	< 0.5	11	34	37	6.48	10	< 1	0.03	< 10	0.45	335	3
T6075	201	202	< 0.2	3.05	4	430	< 0.5	< 2	0.58	< 0.5	28	17	34	7.52	10	< 1	0.15	< 10	0.92	1070	< 1
T6076	201	202	< 0.2	1.89	4	270	< 0.5	< 2	0.24	< 0.5	22	26	34	5.03	10	< 1	0.06	< 10	0.43	1230	2
T6077	201	202	0.2	2.32	6	450	< 0.5	< 2	0.27	< 0.5	14	40	49	5.31	10	< 1	0.05	< 10	0.59	685	2
T6078	201	202	< 0.2	2.28	10	640	< 0.5	< 2	1.18	0.5	24	57	78	4.64	10	1	0.12	10	1.20	1275	2
T6079	201	202	< 0.2	2.33	10	200	< 0.5	< 2	0.55	< 0.5	14	51	42	5.38	10	< 1	0.04	< 10	0.75	555	1
T6080	201	202	< 0.2	1.67	8	270	< 0.5	< 2	0.67	< 0.5	16	39	41	3.36	< 10	< 1	0.08	< 10	0.80	630	2
T6081	201	202	< 0.2	1.46	< 2	330	< 0.5	< 2	0.39	0.5	22	13	43	3.96	< 10	< 1	0.05	< 10	0.29	2000	1
T6082	201	202	< 0.2	1.47	2	120	< 0.5	< 2	0.24	< 0.5	13	23	50	3.28	< 10	< 1	0.04	< 10	0.24	900	1
T6083	201	202	< 0.2	1.39	6	910	0.5	< 2	0.27	0.5	17	26	45	2.36	< 10	< 1	0.05	10	0.30	1295	1
T16545	201	202	0.6	1.49	< 2	480	0.5	< 2	2.37	0.5	8	27	83	1.83	< 10	< 1	0.07	10	0.46	540	1
T16546	201	202	0.2	1.47	< 2	300	< 0.5	< 2	1.64	0.5	7	26	58	1.92	< 10	< 1	0.09	< 10	0.50	425	2
T16547	201	202	< 0.2	2.13	4	430	< 0.5	< 2	0.33	< 0.5	12	41	40	3.38	< 10	< 1	0.11	10	0.54	590	3
T16548	201	202	< 0.2	2.16	< 2	550	0.5	< 2	0.85	< 0.5	7	34	152	2.41	< 10	< 1	0.10	10	0.42	795	1
T16549	201	202	0.2	0.66	< 2	110	< 0.5	< 2	0.14	< 0.5	2	11	14	0.80	< 10	< 1	0.11	< 10	0.13	90	< 1
T16550	201	202	< 0.2	2.53	< 2	530	< 0.5	< 2	0.43	< 0.5	21	64	46	4.68	10	< 1	0.06	< 10	1.22	1050	1
T16551	201	202	< 0.2	2.85	< 2	470	< 0.5	< 2	0.71	< 0.5	19	67	83	5.28	< 10	< 1	0.10	< 10	1.00	1020	2
T16552	201	202	< 0.2	1.75	2	490	< 0.5	< 2	0.58	< 0.5	10	37	21	2.60	< 10	< 1	0.08	10	0.73	435	2
T16553	201	202	< 0.2	1.28	2	260	< 0.5	< 2	0.30	< 0.5	7	29	21	2.01	< 10	< 1	0.09	10	0.49	295	2
T16554	201	202	< 0.2	1.39	8	420	< 0.5	< 2	0.43	< 0.5	6	26	37	1.83	< 10	< 1	0.07	< 10	0.29	235	1
T16555	201	202	0.2	1.95	< 2	460	0.5	< 2	0.53	< 0.5	8	38	49	2.37	< 10	< 1	0.08	10	0.44	515	1
T16556	201	202	< 0.2	1.31	2	230	< 0.5	< 2	0.15	< 0.5	5	27	19	1.95	< 10	< 1	0.12	10	0.36	245	2
T16557	201	202	< 0.2	1.44	< 2	300	< 0.5	< 2	0.52	< 0.5	8	30	20	2.19	< 10	< 1	0.09	10	0.53	375	1

CERTIFICATION: Hart Bichler

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Page Number :1-B
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CERTIFICATE OF ANALYSIS A9620849

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
T6057	201	202	0.01	26	760	16	2	22	23	0.10	< 10	< 10	159	< 10	290
T6058	201	202	0.01	24	500	12	4	16	22	0.13	< 10	< 10	205	< 10	324
T6059	201	202	0.01	44	560	14	6	6	31	0.02	< 10	< 10	71	< 10	160
T6060	201	202	0.01	24	440	4	< 2	16	18	0.11	< 10	< 10	145	< 10	148
T6061	201	202	0.01	27	370	6	2	10	14	0.05	< 10	< 10	71	< 10	74
T6062	201	202	0.04	22	600	6	< 2	3	19	0.03	< 10	< 10	49	< 10	92
T6063	201	202	0.02	27	600	6	< 2	6	22	0.03	< 10	< 10	59	< 10	82
T6064	201	202	0.03	29	640	8	2	7	20	0.03	< 10	< 10	62	< 10	84
T6065	201	202	0.03	22	360	8	2	5	12	0.01	< 10	< 10	51	< 10	86
T6066	201	202	0.03	20	380	6	< 2	5	16	0.03	< 10	< 10	54	< 10	62
T6067	201	202	0.01	3	600	< 2	< 2	< 1	62	< 0.01	< 10	< 10	4	< 10	80
T6068	201	202	0.04	13	700	< 2	< 2	4	30	0.02	< 10	< 10	37	< 10	38
T6069	201	202	0.01	32	960	6	< 2	12	31	0.05	< 10	< 10	74	< 10	64
T6070	201	202	0.01	37	510	12	< 2	7	27	0.04	< 10	< 10	57	< 10	106
T6071	201	202	< 0.01	26	420	8	2	3	14	0.05	< 10	< 10	56	< 10	66
T6072	201	202	0.01	12	200	6	2	3	11	0.03	< 10	< 10	52	< 10	64
T6073	201	202	< 0.01	21	810	< 2	2	5	9	0.14	< 10	< 10	179	< 10	118
T6074	201	202	0.01	16	450	6	2	4	7	0.17	< 10	< 10	191	< 10	98
T6075	201	202	0.01	20	350	< 2	2	15	22	0.08	< 10	< 10	230	< 10	122
T6076	201	202	0.01	15	280	4	2	5	10	0.12	< 10	< 10	145	< 10	130
T6077	201	202	0.01	22	300	8	2	7	10	0.14	< 10	< 10	162	< 10	154
T6078	201	202	0.01	45	620	2	< 2	16	25	0.12	< 10	< 10	112	< 10	138
T6079	201	202	0.01	21	560	2	4	6	12	0.17	< 10	< 10	150	< 10	102
T6080	201	202	< 0.01	26	440	6	2	11	17	0.10	< 10	< 10	87	< 10	90
T6081	201	202	0.04	12	530	4	< 2	4	19	0.10	< 10	< 10	97	< 10	108
T6082	201	202	0.03	13	640	4	< 2	4	9	0.08	< 10	< 10	86	< 10	120
T6083	201	202	0.01	21	680	12	< 2	4	12	0.01	< 10	< 10	46	< 10	154
T16545	201	202	0.01	28	900	6	2	5	37	0.03	< 10	< 10	56	< 10	68
T16546	201	202	0.03	21	850	4	< 2	6	28	0.03	< 10	< 10	49	< 10	130
T16547	201	202	0.01	23	270	10	< 2	5	12	0.05	< 10	< 10	82	< 10	98
T16548	201	202	0.03	32	930	6	< 2	14	19	0.04	< 10	< 10	73	< 10	84
T16549	201	202	0.06	6	470	2	< 2	< 1	7	0.02	< 10	< 10	26	< 10	28
T16550	201	202	0.01	26	390	6	< 2	8	10	0.16	< 10	< 10	127	< 10	140
T16551	201	202	0.01	37	450	4	2	21	15	0.01	< 10	< 10	155	< 10	116
T16552	201	202	0.01	21	140	10	< 2	4	13	0.08	< 10	< 10	67	< 10	64
T16553	201	202	0.01	20	120	6	2	3	10	0.04	< 10	< 10	50	< 10	70
T16554	201	202	0.04	17	300	6	< 2	4	14	0.03	< 10	< 10	48	< 10	64
T16555	201	202	0.03	27	540	8	< 2	7	14	0.03	< 10	< 10	58	< 10	74
T16556	201	202	0.02	17	160	8	< 2	3	9	0.04	< 10	< 10	49	< 10	64
T16557	201	202	0.02	19	150	8	< 2	4	14	0.06	< 10	< 10	56	< 10	88

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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To: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : F.P. ICE
Comments:

Certificate Date: 23-JUN-96
Invoice No. : I9620849
P.O. Number :
Account :MPO

CERTIFICATE OF ANALYSIS A9620849

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
T16558	201 202	0.6	1.93	< 2	810	1.5	< 2	0.81	< 0.5	9	32	98	2.30	< 10	< 1	0.06	20	0.37	565	3
T16559	201 202	< 0.2	1.52	< 2	340	< 0.5	< 2	0.83	< 0.5	9	35	58	2.09	< 10	< 1	0.06	< 10	0.51	710	1
T16560	201 202	< 0.2	1.19	< 2	350	< 0.5	< 2	1.31	< 0.5	4	20	39	1.42	< 10	< 1	0.07	< 10	0.34	360	1
T16586	201 202	< 0.2	1.56	12	320	< 0.5	< 2	0.25	0.5	12	32	126	3.17	< 10	< 1	0.06	10	0.54	420	2
T16587	201 202	< 0.2	2.78	< 2	470	< 0.5	< 2	0.65	2.0	49	84	935	8.12	10	< 1	0.03	< 10	0.94	355	1
T16588	201 202	< 0.2	2.50	2	380	0.5	< 2	0.59	0.5	36	42	260	5.46	10	< 1	0.13	< 10	0.90	1465	1
T16589	201 202	< 0.2	2.62	4	340	0.5	< 2	0.67	< 0.5	28	42	70	5.22	10	< 1	0.11	10	1.00	945	3
T16590	201 202	< 0.2	3.39	4	340	< 0.5	< 2	0.67	0.5	33	72	164	6.28	10	< 1	0.14	10	1.55	1995	1
T16591	201 202	0.2	2.13	2	490	< 0.5	< 2	0.67	0.5	21	44	113	3.79	< 10	< 1	0.15	10	0.66	1410	1
T16592	201 202	0.2	1.46	10	540	< 0.5	< 2	0.19	0.5	13	28	82	4.38	< 10	< 1	0.12	< 10	0.25	1925	4
T16593	201 202	< 0.2	3.60	< 2	330	0.5	< 2	1.18	< 0.5	50	47	119	7.71	10	< 1	0.13	< 10	1.23	3110	3
T16594	201 202	< 0.2	2.34	6	300	< 0.5	< 2	0.71	< 0.5	26	45	106	5.06	10	1	0.17	< 10	0.99	1320	1
T16595	201 202	< 0.2	3.30	< 2	570	< 0.5	< 2	0.91	0.5	33	78	108	5.66	10	< 1	0.18	10	1.36	1730	2
T16596	201 202	< 0.2	3.11	2	420	< 0.5	< 2	0.73	1.5	200	101	880	6.45	10	< 1	0.09	< 10	1.09	2300	2
T16597	201 202	< 0.2	2.87	8	540	0.5	< 2	0.58	0.5	121	102	951	4.28	< 10	< 1	0.12	10	0.83	1140	2
T16598	201 202	0.2	4.03	< 2	450	0.5	2	0.79	1.5	72	80	5070	9.83	10	< 1	0.10	< 10	1.56	795	3
T16599	201 202	0.6	1.33	< 2	420	< 0.5	< 2	0.56	0.5	10	28	493	2.83	< 10	< 1	0.07	< 10	0.38	415	2
T16600	201 202	< 0.2	1.76	2	400	< 0.5	< 2	0.29	< 0.5	24	27	52	3.90	< 10	1	0.06	< 10	0.63	1515	2
T16601	201 202	< 0.2	2.01	10	150	< 0.5	< 2	0.10	< 0.5	9	23	38	5.63	< 10	< 1	0.05	10	0.33	390	2
T16602	201 202	< 0.2	2.33	< 2	380	< 0.5	< 2	0.28	< 0.5	20	47	149	4.32	10	< 1	0.05	< 10	0.89	995	2
T16603	201 202	< 0.2	1.47	< 2	180	< 0.5	< 2	0.18	< 0.5	6	24	58	2.02	< 10	< 1	0.06	10	0.30	215	1
T16604	201 202	1.0	1.79	< 2	240	< 0.5	< 2	0.28	0.5	15	38	356	3.62	< 10	< 1	0.08	10	0.61	340	3
T16605	201 202	0.8	2.41	6	430	< 0.5	< 2	0.63	0.5	22	84	2770	7.63	10	< 1	0.10	< 10	0.89	560	5
T16606	201 202	2.4	1.88	< 2	280	< 0.5	2	0.54	0.5	19	48	1095	4.26	< 10	1	0.09	< 10	0.45	425	3
T16607	201 202	< 0.2	3.26	< 2	480	< 0.5	< 2	0.96	0.5	29	62	75	5.82	10	< 1	0.14	< 10	1.39	1630	3
T16608	201 202	< 0.2	2.39	6	340	< 0.5	2	0.53	0.5	66	59	478	4.30	< 10	< 1	0.11	10	0.94	975	2
T16609	201 202	< 0.2	2.56	6	420	< 0.5	< 2	0.54	< 0.5	27	66	196	4.18	< 10	< 1	0.15	< 10	0.87	850	1
T16610	201 202	< 0.2	2.09	6	300	< 0.5	< 2	0.39	< 0.5	32	46	66	3.71	< 10	< 1	0.14	10	0.75	900	1
T16611	201 202	< 0.2	3.98	< 2	3270	< 0.5	< 2	1.28	< 0.5	36	85	83	6.05	10	< 1	0.07	< 10	1.69	2110	1
T16612	201 202	0.2	2.07	< 2	300	0.5	< 2	0.76	< 0.5	17	46	89	3.78	< 10	< 1	0.07	< 10	0.44	900	1
T16613	201 202	< 0.2	2.11	2	310	< 0.5	< 2	0.39	< 0.5	15	45	40	3.46	< 10	< 1	0.09	10	0.72	500	1
T16614	201 202	< 0.2	2.67	2	570	< 0.5	< 2	0.81	< 0.5	22	59	49	4.81	10	< 1	0.25	< 10	1.02	1550	2
T16615	201 202	< 0.2	2.86	6	1660	< 0.5	< 2	0.89	< 0.5	22	99	546	4.17	10	1	0.10	< 10	1.16	940	2
T16616	201 202	< 0.2	2.69	< 2	390	< 0.5	< 2	0.99	0.5	21	38	48	4.93	10	< 1	0.17	< 10	0.97	1055	< 1
T16617	201 202	< 0.2	1.90	2	410	< 0.5	< 2	0.65	< 0.5	13	38	36	3.51	< 10	< 1	0.13	10	0.58	580	2
T16618	201 202	< 0.2	2.27	< 2	270	< 0.5	< 2	0.23	< 0.5	9	30	18	3.41	< 10	< 1	0.05	10	0.46	255	1
T16619	201 202	< 0.2	3.54	< 2	580	0.5	< 2	1.24	1.5	55	68	89	6.32	10	< 1	0.14	< 10	1.49	6760	3
T16621	201 202	< 0.2	1.72	8	650	0.5	< 2	0.34	< 0.5	10	31	47	2.58	< 10	< 1	0.18	20	0.50	495	3
T16622	201 202	< 0.2	1.97	8	640	< 0.5	< 2	0.80	0.5	18	39	2680	3.43	< 10	< 1	0.15	10	0.86	495	3
T16623	201 202	< 0.2	2.02	6	420	< 0.5	< 2	0.15	< 0.5	9	35	38	2.67	< 10	< 1	0.07	10	0.51	325	2

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Project : F.P. ICE
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Certificate Date: 23-JUN-96
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CERTIFICATE OF ANALYSIS A9620849

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
T16558	201	202	0.01	43	930	10	< 2	6	29	0.01	< 10	< 10	51	< 10	104
T16559	201	202	0.03	21	430	2	< 2	8	19	0.04	< 10	< 10	56	< 10	56
T16560	201	202	0.02	17	480	2	< 2	5	25	0.01	< 10	< 10	33	< 10	48
T16586	201	202	< 0.01	25	210	8	< 2	4	10	0.05	< 10	< 10	66	< 10	122
T16587	201	202	0.01	34	430	< 2	2	15	16	0.17	< 10	< 10	165	< 10	1120
T16588	201	202	0.01	28	600	6	4	16	19	0.16	< 10	< 10	143	< 10	252
T16589	201	202	0.01	27	400	2	< 2	12	28	0.18	< 10	< 10	147	< 10	134
T16590	201	202	0.01	39	690	2	4	44	14	0.19	< 10	< 10	192	< 10	208
T16591	201	202	0.01	33	580	8	< 2	10	15	0.09	< 10	< 10	90	< 10	174
T16592	201	202	< 0.01	46	450	14	2	5	10	0.02	< 10	< 10	63	< 10	190
T16593	201	202	0.02	33	760	< 2	6	36	29	0.30	< 10	< 10	213	< 10	148
T16594	201	202	0.03	24	950	2	2	10	20	0.14	< 10	< 10	122	< 10	156
T16595	201	202	0.01	41	840	4	< 2	19	18	0.19	< 10	< 10	132	< 10	390
T16596	201	202	0.02	53	570	2	4	21	18	0.14	< 10	< 10	145	< 10	1050
T16597	201	202	0.01	48	590	6	4	15	18	0.10	< 10	< 10	113	< 10	424
T16598	201	202	0.01	49	830	2	2	47	22	0.11	< 10	< 10	245	< 10	960
T16599	201	202	0.03	16	360	4	< 2	5	15	0.06	< 10	< 10	61	< 10	150
T16600	201	202	0.03	17	280	< 2	< 2	5	13	0.09	< 10	< 10	98	< 10	96
T16601	201	202	0.01	11	540	2	< 2	5	7	0.13	< 10	< 10	142	< 10	104
T16602	201	202	0.01	22	370	6	< 2	4	12	0.17	< 10	< 10	112	< 10	120
T16603	201	202	0.01	10	250	2	< 2	3	9	0.07	< 10	< 10	59	< 10	214
T16604	201	202	0.01	23	210	14	< 2	5	14	0.11	< 10	< 10	82	< 10	208
T16605	201	202	0.01	27	280	10	2	14	16	0.10	< 10	< 10	130	< 10	278
T16606	201	202	0.03	25	340	16	6	10	15	0.06	< 10	< 10	91	< 10	256
T16607	201	202	0.01	32	230	4	2	13	15	0.17	< 10	< 10	160	< 10	168
T16608	201	202	0.01	37	380	8	2	11	17	0.11	< 10	< 10	104	< 10	286
T16609	201	202	0.01	36	380	8	2	9	21	0.10	< 10	< 10	106	< 10	150
T16610	201	202	0.01	28	420	8	2	7	14	0.11	< 10	< 10	90	< 10	148
T16611	201	202	0.01	35	350	< 2	2	17	152	0.26	< 10	< 10	176	< 10	100
T16612	201	202	0.03	27	1450	8	< 2	11	21	0.06	< 10	< 10	88	< 10	108
T16613	201	202	0.01	27	320	8	< 2	6	12	0.10	< 10	< 10	91	< 10	92
T16614	201	202	0.01	31	490	6	2	14	18	0.13	< 10	< 10	128	< 10	138
T16615	201	202	0.01	40	300	4	2	13	18	0.11	< 10	< 10	111	< 10	194
T16616	201	202	0.02	23	340	6	2	9	21	0.13	< 10	< 10	128	< 10	150
T16617	201	202	0.01	23	280	8	< 2	5	17	0.10	< 10	< 10	93	< 10	90
T16618	201	202	0.01	16	210	4	< 2	3	11	0.10	< 10	< 10	99	< 10	82
T16619	201	202	< 0.01	38	340	6	4	18	27	0.17	< 10	< 10	166	< 10	114
T16621	201	202	< 0.01	36	590	14	2	6	26	0.02	< 10	< 10	56	< 10	134
T16622	201	202	0.01	37	700	4	< 2	11	35	0.10	< 10	< 10	81	< 10	404
T16623	201	202	< 0.01	25	120	10	< 2	4	9	0.04	< 10	< 10	69	< 10	76

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Page Number :3-A
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CERTIFICATE OF ANALYSIS A9620849

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
T16624	201	202	0.2	2.37	2	340	< 0.5	< 2	0.39	0.5	67	80	4760	11.25	< 10	1	0.08	< 10	0.52	405	< 1
T16625	201	202	< 0.2	2.15	6	880	0.5	< 2	0.86	< 0.5	14	50	177	3.47	< 10	< 1	0.14	10	0.94	665	1
T16626	201	202	< 0.2	2.88	2	1000	< 0.5	< 2	1.15	0.5	102	33	127	6.50	10	< 1	0.24	< 10	1.29	2080	2
T16627	201	202	0.2	1.71	2	730	0.5	< 2	0.41	1.5	17	21	57	2.77	< 10	< 1	0.16	10	0.24	3080	2
T16628	201	202	0.2	1.93	< 2	520	< 0.5	< 2	0.48	0.5	20	37	248	3.73	< 10	< 1	0.11	10	0.49	880	3
T16629	201	202	< 0.2	0.78	10	190	< 0.5	< 2	0.09	< 0.5	4	13	111	2.33	< 10	< 1	0.10	10	0.17	135	3
T16630	201	202	< 0.2	0.89	4	320	< 0.5	< 2	0.15	< 0.5	5	18	30	1.86	< 10	< 1	0.11	20	0.20	185	3
T16631	201	202	< 0.2	1.48	< 2	960	< 0.5	< 2	0.20	0.5	8	19	35	2.28	< 10	< 1	0.11	10	0.26	940	1
T16632	201	202	< 0.2	0.62	6	190	< 0.5	< 2	0.14	0.5	5	14	40	1.81	< 10	< 1	0.10	10	0.08	300	1
T16633	201	202	< 0.2	1.47	6	370	< 0.5	< 2	0.29	< 0.5	7	30	23	2.14	< 10	< 1	0.08	10	0.46	250	1
T16634	201	202	< 0.2	1.90	10	670	0.5	< 2	0.73	1.0	15	44	587	3.16	< 10	< 1	0.27	10	0.78	700	4
T16635	201	202	< 0.2	1.49	< 2	440	< 0.5	< 2	0.40	0.5	11	35	1405	2.76	< 10	1	0.09	10	0.51	295	3
T16636	201	202	< 0.2	1.80	2	280	< 0.5	< 2	0.24	1.0	10	34	27	2.50	< 10	< 1	0.08	10	0.46	320	2
T16637	201	202	< 0.2	1.51	4	300	< 0.5	< 2	0.18	< 0.5	7	27	26	1.91	< 10	< 1	0.06	10	0.46	205	1
T16638	201	202	< 0.2	2.17	10	270	< 0.5	< 2	0.22	< 0.5	11	37	42	2.98	< 10	< 1	0.06	10	0.46	300	2
T16639	201	202	0.2	1.78	8	730	< 0.5	< 2	0.29	0.5	15	37	221	3.64	< 10	< 1	0.08	10	0.56	815	3
T16640	201	202	1.0	1.23	2	630	< 0.5	< 2	0.76	0.5	9	22	1025	2.00	< 10	< 1	0.11	< 10	0.27	240	2
T16641	201	202	< 0.2	1.48	12	450	0.5	< 2	0.45	< 0.5	11	28	142	2.41	< 10	< 1	0.11	20	0.54	425	1
T16642	201	202	< 0.2	1.95	22	260	< 0.5	< 2	0.14	< 0.5	9	40	27	3.34	< 10	< 1	0.07	10	0.65	240	2
T16643	201	202	< 0.2	1.93	14	300	< 0.5	< 2	0.20	< 0.5	8	30	18	2.84	< 10	1	0.04	10	0.39	255	1
T16644	201	202	< 0.2	1.51	8	280	< 0.5	< 2	0.09	< 0.5	9	31	37	3.01	< 10	< 1	0.08	10	0.42	265	2
T16645	201	202	< 0.2	1.77	12	260	< 0.5	< 2	0.23	< 0.5	8	36	19	3.75	< 10	< 1	0.06	10	0.55	255	1
T16646	201	202	< 0.2	1.26	8	180	< 0.5	< 2	0.26	< 0.5	8	25	12	3.07	< 10	< 1	0.08	10	0.38	290	< 1
T16647	201	202	< 0.2	1.84	8	550	< 0.5	< 2	0.56	0.5	15	36	66	3.39	< 10	< 1	0.08	< 10	0.80	465	1
T16648	201	202	0.2	2.35	10	520	0.5	< 2	0.71	0.5	24	49	225	4.62	< 10	< 1	0.08	< 10	0.92	675	1
T16649	201	202	< 0.2	1.99	12	420	< 0.5	< 2	0.44	< 0.5	18	43	804	3.49	< 10	< 1	0.07	10	0.80	525	1
T16650	201	202	< 0.2	1.99	12	390	< 0.5	< 2	0.23	0.5	17	30	131	5.62	< 10	< 1	0.06	10	0.59	490	1
T18634	201	202	0.2	1.97	2	300	< 0.5	< 2	0.38	< 0.5	11	36	38	3.32	< 10	1	0.03	< 10	0.56	455	< 1
T18635	201	202	< 0.2	3.74	2	630	0.5	< 2	0.90	< 0.5	39	65	96	7.98	10	1	0.14	< 10	1.77	4480	< 1
T18636	201	202	< 0.2	1.75	12	640	< 0.5	< 2	0.24	< 0.5	17	37	78	3.66	< 10	< 1	0.11	10	0.56	965	2
T18637	201	202	0.2	1.69	8	800	< 0.5	< 2	0.20	< 0.5	17	27	47	3.55	< 10	< 1	0.17	20	0.50	800	1
T18638	201	202	0.2	1.41	8	700	< 0.5	< 2	1.37	0.5	15	30	1090	2.53	< 10	< 1	0.14	10	0.58	435	1
T18639	201	202	< 0.2	1.65	8	360	< 0.5	< 2	0.15	< 0.5	6	37	20	2.21	< 10	< 1	0.08	10	0.41	155	1
T18640	201	202	< 0.2	1.61	14	220	< 0.5	< 2	0.28	< 0.5	9	34	29	3.05	< 10	< 1	0.08	10	0.53	310	1
T18674	201	202	22.4	0.24	8	370	< 0.5	< 2	0.01	< 0.5	1	11	221	1.52	< 10	< 1	0.01	< 10	0.03	20	6
T18675	201	202	0.2	1.67	8	440	< 0.5	< 2	1.23	1.0	13	35	56	2.98	< 10	< 1	0.21	10	0.94	540	1
T18676	201	202	< 0.2	1.33	8	600	< 0.5	< 2	0.86	0.5	12	37	36	2.49	< 10	< 1	0.12	10	0.80	630	1

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

*Analytical Chemists * Geochemists * Registered Assayers*

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EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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V6B 1L8

Project : F.P. ICE
Comments:

Page :3-B
Total Pa :3
Certificate Date: 23-JUN-96
Invoice No. : I9620849
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9620849

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
T16624	201	202	< 0.01	29	530	4	< 2	21	15	0.01	< 10	10	106	< 10	1135
T16625	201	202	0.01	35	340	6	< 2	10	19	0.10	< 10	< 10	79	< 10	122
T16626	201	202	0.03	24	420	< 2	2	29	43	0.26	< 10	< 10	178	< 10	272
T16627	201	202	0.03	27	970	14	< 2	4	19	0.01	< 10	< 10	44	< 10	252
T16628	201	202	0.02	28	530	8	< 2	6	21	0.07	< 10	< 10	80	< 10	174
T16629	201	202	0.01	27	400	10	< 2	2	11	0.01	< 10	< 10	29	< 10	100
T16630	201	202	0.01	13	330	10	< 2	1	12	0.03	< 10	< 10	38	< 10	144
T16631	201	202	0.01	17	520	18	< 2	1	25	0.01	< 10	< 10	36	< 10	340
T16632	201	202	0.03	18	380	6	< 2	1	9	0.03	< 10	< 10	49	< 10	92
T16633	201	202	< 0.01	20	330	8	< 2	3	13	0.06	< 10	< 10	59	< 10	72
T16634	201	202	0.01	55	910	14	2	9	41	0.07	< 10	< 10	72	< 10	160
T16635	201	202	0.03	22	550	6	< 2	7	23	0.04	< 10	< 10	59	< 10	130
T16636	201	202	0.01	21	240	6	< 2	3	13	0.06	< 10	< 10	63	< 10	152
T16637	201	202	0.01	17	240	6	2	3	11	0.05	< 10	< 10	49	< 10	82
T16638	201	202	< 0.01	19	290	12	< 2	4	11	0.09	< 10	< 10	81	< 10	128
T16639	201	202	< 0.01	32	430	10	< 2	6	18	0.06	< 10	< 10	76	< 10	184
T16640	201	202	0.04	20	470	2	< 2	5	23	0.02	< 10	< 10	42	< 10	110
T16641	201	202	0.01	28	420	12	2	5	25	0.04	< 10	< 10	45	< 10	102
T16642	201	202	< 0.01	22	260	8	4	4	10	0.07	< 10	< 10	89	< 10	178
T16643	201	202	< 0.01	13	190	12	< 2	3	11	0.06	< 10	< 10	83	< 10	80
T16644	201	202	< 0.01	29	350	12	< 2	2	12	0.01	< 10	< 10	51	< 10	78
T16645	201	202	< 0.01	17	200	10	< 2	3	9	0.08	< 10	< 10	121	< 10	56
T16646	201	202	< 0.01	15	380	10	< 2	1	9	0.07	< 10	< 10	85	< 10	58
T16647	201	202	< 0.01	24	390	8	< 2	5	17	0.11	< 10	< 10	95	< 10	90
T16648	201	202	< 0.01	35	720	12	< 2	7	25	0.14	< 10	< 10	125	< 10	138
T16649	201	202	< 0.01	31	370	10	< 2	6	15	0.07	< 10	< 10	84	< 10	144
T16650	201	202	< 0.01	19	350	8	< 2	4	14	0.09	< 10	< 10	138	< 10	158
T18634	201	202	0.03	17	1060	< 2	< 2	6	15	0.01	< 10	< 10	100	< 10	90
T18635	201	202	< 0.01	43	600	< 2	< 2	42	20	0.06	< 10	< 10	194	< 10	108
T18636	201	202	< 0.01	30	560	16	< 2	4	13	0.05	< 10	< 10	79	< 10	138
T18637	201	202	0.01	31	890	20	< 2	2	29	0.01	< 10	< 10	49	< 10	246
T18638	201	202	0.03	30	670	8	< 2	6	45	0.04	< 10	< 10	57	< 10	114
T18639	201	202	< 0.01	21	190	8	< 2	2	11	0.05	< 10	< 10	65	< 10	54
T18640	201	202	< 0.01	18	200	12	< 2	3	11	0.08	< 10	< 10	87	< 10	60
T18674	201	202	< 0.01	3	120	12	< 2	< 1	4	0.01	< 10	< 10	21	< 10	36
T18675	201	202	< 0.01	34	1100	14	< 2	6	54	0.08	< 10	< 10	73	< 10	154
T18676	201	202	< 0.01	34	1110	12	< 2	5	43	0.08	< 10	< 10	66	< 10	106

CERTIFICATION: Hart Bichler

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V6B 1L8

Project : FP-ICE
Comments:

Certificate Date: 17-JUN-96
Invoice No. : I9620788
P.O. Number :
Account :MPO

CERTIFICATE OF ANALYSIS A9620788

SAMPLE	PREP CODE		Au g/t FA/AA R	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	Mg %	Mn ppm	Mo ppm	Na %
935919	258	295	< 0.005	< 1	4.62	10	160	< 5	10	3.53	5	40	200	3020	6.43	< 10	0.24	2.97	1190	< 5	0.19

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Certificate Date: 17-JUN-96
Invoice No. : I9620788
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9620788

SAMPLE	PREP CODE		Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
935919	258	295	75	800	15	< 10	15	25	0.41	< 20	< 20	160	< 20	835

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Project : FP-ICE
Comments:

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Total Pa : 1
Certificate Date: 15-JUN-96
Invoice No. : I9620787
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9620787

SAMPLE	PREP CODE		Au ppb RUSH	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
935916	258	295	35	0.6	0.35	18	230	< 0.5	6	0.04	0.5	7	82	4170	>15.00	10	< 1	0.02	< 10	0.03	40
935917	258	295	1280	7.6	0.33	36	80	< 0.5	< 2	0.02	0.5	9	78	3740	>15.00	< 10	1	0.01	< 10	0.03	50
935918	258	295	50	2.6	0.84	466	60	< 0.5	38	0.04	1.5	32	190	3230	>15.00	10	3	0.06	< 10	0.02	85

CERTIFICATION: [signature]

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Project : FP-ICE
Comments:

Certificate Date: 15-JUN-96
Invoice No. : I9620787
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9620787

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
935916	258	295	18	0.01	3	420	12	< 2	2	8	0.03	< 10	< 10	87	< 10	172
935917	258	295	23	0.01	3	140	14	< 2	1	6	< 0.01	< 10	< 10	32	< 10	140
935918	258	295	434	0.01	5	820	140	8	7	23	0.01	< 10	< 10	252	< 10	568

CERTIFICATION: Hart Bichler

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Project : FP-ICE
Comments:

Page [illegible]r :1-A
Total Pa[illegible] :1
Certificate Date: 18-JUN-96
Invoice No. : I9620786
P.O. Number :
Account : MPO

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9620786

SAMPLE	PREP CODE		Au g/t FA/AA R	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
935914	258	295	< 0.005	< 1.0	2.05	300	< 10	Intf*	0.15	< 10	140	80	>100000	23.8	0.1	0.55
935915	258	295	< 0.005	< 1.0	7.65	400	< 10	< 20	7.95	< 10	40	190	6850	8.00	< 0.1	3.55

CERTIFICATION: Hart Bichler

* INTERFERENCE: Cu on Bi

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Project : FP-ICE
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Certificate Date: 18-JUN-96
Invoice No. : I9620786
P.O. Number :
Account : MPO

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9620786

SAMPLE	PREP CODE		Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	Pb % AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	Zn ppm (ICP)	Cu %				
935914	258	295	280	< 10	0.40	50	0.001	10	0.20	110	2760	11.30				
935915	258	295	1050	< 10	2.30	60	0.003	40	0.75	320	180	0.68				

CERTIFICATION: Hart Bichler

* INTERFERENCE: Cu on Bi

APPENDIX IV

DRILL LOGS

SYNOPTIC LOG Hole: IC 96-01 Property: ICE Section: 10950N

FINLAYSON PROJECT

EXPATRIATE RESOURCES LTD.

Easting:	Northing:	Elevation:	Depth:
376623	6862490	1259	181.66

Logged by: Greg Bell

Drilling Dates: July 06 to11, 1996

Depth	Azimuth	Dip	Method
0	305°	-50°	Brunton
181.66		-57°	Acid

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	7.62	7.62	CSDH	Casing										
7.62	14.10	6.48	BRBS	Breccia basalt										
				-trace PY in matrix	7.62	9.14	1.52	N110802	79	0.25%	21	686	0.2	<5
				-extensive orange-brown LI coating FR	9.14	10.67	1.53	N110803	71	0.13%	19	646	0.4	<5
					10.67	12.80	2.13	N110804	96	0.16%	22	558	0.2	<5
					12.80	14.10	1.30	N110805	84	0.08%	20	208	0.2	<5
14.10	18.59	4.49	MSBS	Massive basalt										
				-orange-brown LI on FR	14.10	15.54	1.44	N110806	96	0.16%	21	160	<0.2	<5
				-trace malachite with 0.5cm rusty quartz vein	15.54	16.76	1.22	N110807	99	0.19%	33	282	<0.2	<5
					16.76	18.59	1.83	N110808	95	0.28%	25	130	<0.2	<5
18.59	23.50	4.91	BRBS	Breccia basalt										
				-minor PY in matrix	18.59	19.90	1.31	N110809	93	0.28%	36	282	<0.2	<5
				-orange-brown LI on FR	19.90	21.34	1.44	N110810	91	1.05%	85	802	0.6	<5
				-malachite, cuprite on FR	21.34	23.50	2.16	N110811	98	1.11%	86	676	<0.2	<5
23.50	24.75	1.25	CBMS	Mudstone interbedded with basalt										
				-some orange-brown LI on FR	23.50	24.75	1.25	N110812	98	0.98 %	100	904	0.2	<5
24.75	29.90	5.15	MSCH	Dark grey chert										
				-patchy brown to orange LI on FR	24.75	26.67	1.92	N110813	93	0.32%	16	162	<0.2	<5
				-cuprite on some FR	26.67	28.18	1.51	N110814	85	0.54%	11	108	<0.2	<5
					28.18	29.90	1.72	N110815	90	0.50%	60	838	0.2	<5
29.90	33.00	3.10	CBMS	Weakly siliceous mudstone										
				-very patchy orange-brown LI on FR	29.90	31.40	1.50	N110816	94	0.56%	18	220	<0.2	20
				-red cuprite noted on FR	31.40	33.00	1.60	N110817	68	0.63%	85	1030	0.2	5
33.00	65.95	32.95	MSCH	Ribbon-bedded carbonaceous chert										
				-minor brown LI on FR down to 42 meters	33.00	34.44	1.44	N110818	88	0.24%	44	388	<0.2	<5
				-no LI below 42 meters	34.44	36.58	2.14	N110819	51	0.20%	43	426	<0.2	10
					36.58	38.05	1.47	N110820	39	0.20%	53	374	0.2	<5
					38.05	39.62	1.57	N110821	29	0.32%	36	340	0.2	<5
					39.62	40.50	0.88	N110822	65	0.27%	38	364	<0.2	<5
					40.50	42.06	1.56	N110823	26	0.39%	36	368	<0.2	<5
					42.06	43.40	1.34	N110824	88	736	34	286	0.2	

SYNOPTIC LOG Hole: IC 96-01 Property: ICE

FINLAYSON PROJECT

EXPATRIATE RESOURCES LTD.

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
				Ribbon-bedded carbonaceous chert, cont'd	43.40	45.11	1.71	N111075	53	334	17	162	0.2	
					45.11	47.15	2.04	N111076	29	337	20	228	<0.2	
					65.23	65.95	0.72	N110898	86	60	7	78	0.2	
65.95	92.04	26.09	MSCH	Ribbon-bedded grey chert										
				-no LI on FR	65.95	67.36	1.41	N110899	110	58	10	56	<0.2	
					67.36	69.49	2.13	N110900	70	61	7	84	<0.2	
					69.49	71.07	1.58	N110901	86	62	7	66	0.2	
					71.07	72.54	1.47	N110902	86	86	9	74	0.2	
					84.40	85.34	0.94	N110903	36	73	13	108	0.2	
92.04	100.68	8.64	MSBS	Massive basalt										
100.68	112.00	11.32	MSBS	Weakly porphyritic basalt										
112.00	120.20	8.20	MSBS	Basalt with minor brecciation										
120.20	181.66	61.46	MSBS	Massive basalt										
				EOH										

Resistivity (rho) = (volts * crossectional area (m2)) / (amps * length (m))

	BTW
Core Diameter (m)	0.042
Core Radius	0.021
Cross-sectional Area (Pi * R2) (m2)	0.0013847

DDH	ROCK TYPE	DEPTH	LENGTH (m)	VOLTS	AMPS	**RESISTIVITY**
IC 96-01	Ribbon-bedded carbonaceous chert	48.90	0.05	91.2	2.500	**1.06**
IC 96-01	Ribbon-bedded carbonaceous chert	51.00	0.04	91.1	3.200	**0.99**
IC 96-01	Ribbon-bedded carbonaceous chert	58.50	0.04	89.6	27.400	**0.11**
IC 96-01	Ribbon-bedded carbonaceous chert	59.40	0.07	91.2	2.800	**0.69**
IC 96-01	Ribbon-bedded carbonaceous chert	63.00	0.13	91.2	1.936	**0.52**
IC 96-01	Ribbon-bedded carbonaceous chert	63.50	0.06	90.6	9.300	**0.22**
IC 96-01	Ribbon-bedded carbonaceous chert	64.50	0.06	91.0	4.500	**0.51**
IC 96-01	Ribbon-bedded carbonaceous chert	64.67	0.09	91.0	4.100	**0.34**
IC 96-01	Lithic sandstone	74.99	0.13	90.3	0.945	**1.06**
IC 96-01	Lithic sandstone	75.10	0.11	90.5	0.779	**1.46**
IC 96-01	Ribbon-bedded grey chert	88.15	0.13	89.8	1.453	**0.66**
IC 96-01	Ribbon-bedded grey chert	88.32	0.16	89.8	1.420	**0.55**
IC 96-01	Ribbon-bedded grey chert	88.76	0.23	89.6	1.573	**0.34**
IC 96-01	Ribbon-bedded grey chert	88.98	0.17	89.5	1.674	**0.44**
IC 96-01	Ribbon-bedded grey chert	89.14	0.18	89.4	1.835	**0.37**
IC 96-01	Ribbon-bedded grey chert	89.86	0.10	89.5	1.317	**0.94**
IC 96-01	Ribbon-bedded grey chert	91.21	0.13	89.3	1.823	**0.52**
IC 96-01	Ribbon-bedded grey chert	91.56	0.17	89.8	1.373	**0.55**
IC 96-01	Weakly porphyritic basalt	107.82	0.15	89.6	1.589	**0.52**
IC 96-01	Weakly porphyritic basalt	109.93	0.13	89.5	1.736	**0.57**
IC 96-01	Breccia basalt	115.39	0.13	91.3	0.950	**1.06**
IC 96-01	Breccia basalt	115.93	0.21	90.3	1.058	**0.56**
IC 96-01	Breccia basalt	118.81	0.12	89.7	1.490	**0.72**
IC 96-01	Breccia basalt	119.00	0.26	90.3	0.940	**0.51**
IC 96-01	Breccia basalt	120.00	0.12	89.6	1.642	**0.63**
IC 96-01	Massive basalt	134.98	0.16	89.9	1.320	**0.61**
IC 96-01	Massive basalt	135.28	0.18	89.5	1.640	**0.42**
IC 96-01	Massive basalt	137.34	0.14	90.0	1.240	**0.74**
IC 96-01	Massive basalt	138.33	0.18	89.9	1.291	**0.54**
IC 96-01	Massive basalt	139.63	0.14	90.2	1.050	**0.88**
IC 96-01	Massive basalt	143.58	0.15	90.1	1.102	**0.75**
IC 96-01	Massive basalt	144.58	0.18	90.3	0.975	**0.71**
IC 96-01	Massive basalt	152.00	0.13	89.9	1.305	**0.73**

SYNOPTIC LOG
FINLAYSON PROJECT
EXPATRIATE RESOURCES LTD.

Hole: IC 96-02 Property: ICE Section: 11200N

Easting:	Northing:	Elevation:	Depth:
376765	6862689	1294.7	116.28

Logged by: G. Bell/G. McDougall
Drilling Dates: July 12 to 15, 1996

Depth	Azimuth	Dip	Method
0.00	288°	-49°	Silva
No acid test done			

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	1.83	1.83	CSDH	Casing										
1.83	4.30	2.47	LCDH	Missing core										
4.30	5.50	1.20	MSBS	Massive basalt										
				-LI coating and/or Mn oxides on FR	4.30	5.50	1.20	N110825	90	56	28	92	<0.2	5
5.50	6.70	1.20	MSBS	Calcite veined massive basalt										
				-LI coated FR	5.50	6.70	1.20	N110826	97	72	47	256	<0.2	<5
				-patches earthy LI in thick CV										
6.70	14.82	8.12	MSBS	Massive basalt										
				-rusty LI and Mn oxides on FR	6.70	7.92	1.22	N110827	97	68	26	98	<0.2	5
					7.92	9.45	1.53	N110828	100	66	26	98	<0.2	10
					9.45	10.97	1.52	N110829	98	66	34	134	<0.2	<5
					10.97	12.80	1.83	N110830	98	70	43	246	<0.2	<5
					12.80	14.82	2.02	N110831	94	62	42	158	<0.2	<5
14.82	19.00	4.18	QTVN	Brecciated, quartz and calcite veined basalt										
				-LI and Mn oxide coated FR in clasts	14.82	15.60	0.78	N110832	100	68	68	204	<0.2	<5
				-limonitic breccia matrix	15.60	17.07	1.47	N110833	82	0.18 %	47	438	<0.2	<5
					17.07	19.00	1.93	N110834	88	0.29 %	127	1755	<0.2	<5
19.00	24.99	5.99	GGST	Fault gouge										
				-LI in hairline FR in breccia clasts	19.00	20.73	1.73	N110835	37	0.38 %	104	1250	<0.2	5
				-very minor LI in clay gouge	20.73	21.89	1.16	N110836	77	0.02 %	42	110	<0.2	5
					21.89	23.32	1.43	N110837	66	<0.01%	30	116	<0.2	<5
					23.32	24.99	1.67	N110838	74	0.25 %	152	1615	<0.2	10
24.99	28.75	3.76	FBST	Fault breccia with quartz-pyrite-chalco veining										
				-cut by network fine FR with LI	24.99	26.76	1.77	N110839	59	1.02 %	223	6520	<0.2	20
				-CP + PY in breccia	26.76	28.75	1.99	N110840	51	4.10 %	301	1390	1	30
				matrix										
28.75	31.70	2.95	BRBS	Brecciated basalt										
				-LI filling FR/breccia matrix	28.75	30.17	1.42	N110841	92	4.72 %	45	428	<0.2	<5
				-patchy development of CC with LI	30.17	31.70	1.53	N110842	92	1.13 %	97	2000	<0.2	<5
				-late hairline FR with CT, specks CU										
				-very minor MA staining CT										

SYNOPTIC LOG
FINLAYSON PROJECT

Hole: IC 96-02   Property: ICE

EXPATRIATE RESOURCES LTD.

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
31.70	34.50	2.80	FBST	Basalt fault breccia with some specular HE										
				matrix	31.70	32.92	1.22	N110843	60	1.93 %	82	1150	<0.2	<5
				-FR surfaces coated with CC and brown LI	32.92	34.44	1.52	N110844	57	0.93 %	142	2760	<0.2	<5
				-minor streaks of CT (or bright red HE)										
				on FR with specks of CU										
34.50	37.40	2.90	GGST	Fault gouge										
				-red to brown HE and patchy rusty brown	34.44	37.40	2.96	N110845	59	0.56 %	271	4230	1	15
				LI in clay gouge										
				-minor streaks bright red possible CT										
37.40	39.00	1.60	HEMS	Specular HE cemented basalt breccia										
				-disseminated PY in HE	37.40	39.01	1.61	N110846	63	0.02 %	155	2320	<0.2	<5
39.00	42.06	3.06	BRBS	Basalt breccia to fault gouge										
				-minor red HE on slickensided surfaces	39.01	40.54	1.53	N110847	55	0.39 %	92	2030	<0.2	<5
				-possibly minor CC?	40.54	42.06	1.52	N110848	100	0.46 %	122	2660	<0.2	5
42.06	43.59	1.53	GGST	Fault gouge										
				-minor orange limonitic patches in clay gouge	42.06	43.59	1.53	N110849	100	0.99 %	116	3500	<0.2	<5
43.59	45.55	1.96	HEMS	Specular hematite cemented basalt breccia										
				-rusty orange LI coated breccia fragments	43.59	45.55	1.96	N110850	62	2.97 %	328	638	<0.2	20
				-minor PY and possible CC with										
				HE matrix										
45.55	46.00	0.45	FBST	Fault breccia to gouge with basalt fragments										
				-gouge completely orangey LI stained	45.55	46.63	1.08	N110885	90	5.03 %	156	1110	<0.2	15
				-black to steel grey possible CC in										
				breccia matrix										
46.00	48.16	2.16	GGST	Fault gouge with minor breccia fragments										
				-dark brown to red HE gouge	46.63	48.16	1.53	N110886	100	7.13 %	476	814	<0.2	<5
				-patches strong LI staining										
				-very bright red earthy material, ?CT along										
				hairline FR										
48.16	49.35	1.19	GGST	Clay fault gouge with rare breccia clasts										
				-all earthy bright orange LI clays	48.16	49.35	1.19	N110887	42	8.29 %	349	8160	<0.2	10
				-CC as fine network in LI										

FINLAYSON PROJECT

EXPATRIATE RESOURCES LTD.

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
49.35	56.00	6.65	FBST	Fault breccia with clay gouge										
				-matrix generally LI stained	49.35	50.57	1.22	N110888	99	1.49%	226	1930	2	95
				-minor specular to red HE matrix	50.57	53.08	2.51	N110889	45	1.20%	150	4260	2	90
				-variable disseminated PY in clasts	53.08	54.55	1.47	N110890	90	0.59%	161	1805	1	10
				and adjacent matrix										
56.00	56.50	0.50	QTVN	Quartz vein, fractured										
				-rusty brown LI filling FR in quartz	54.55	56.62	2.07	N110891	80	0.86%	137	4830	<0.2	<5
				-minor dark red HE coating FR										
				-rare specks CU on LI coated FR										
				surfaces										
56.50	62.79	6.29	MSBS	Massive basalt										
				-minor brown to yellow LI on FR	56.62	58.24	1.62	N110892	84	0.45%	107	3850	<0.2	<5
					58.24	60.20	1.96	N110893	49	0.28%	86	2930	<0.2	<5
					60.20	61.82	1.62	N110894	83	266	50	874	<0.2	<5
					61.82	63.37	1.55	N110895	81	202	39	338	<0.2	<5
62.79	67.97	5.18	MSBS	Massive basalt										
				-rare dark brown LI on FR	63.37	65.07	1.70	N110896	79	523	42	490	<0.2	<5
				-minor patches orange LI as matrix to	65.07	66.60	1.53	N110897	88	1965	52	1040	<0.2	<5
				fractured rock	66.60	67.97	1.37	N111101	18	1765	77	1575	<0.2	
67.97	71.80	3.83	FBST	Fault breccia with chloritic gouge zones										
				-red HE in late FR in basalt clasts	67.97	69.49	1.52	N111102	33	71	55	948	<0.2	
					69.49	71.02	1.53	N111103	30	95	63	426	<0.2	
71.80	74.14	2.34	MSBS	Massive basalt										
				-rare red HE in late FR with and without calcite										
74.14	75.30	1.16	FBST	Fault breccia with chloritic gouge zones										
75.30	78.08	2.78	BRBS	Basalt breccia, volcaniclastic with minor										
				-disseminated PY in the matrix, <1 %	75.30	76.81	1.51	N111104	26	357	63	1480	0.6	
					76.81	78.08	1.27	N111105	64	310	50	1575	0.4	
78.08	80.77	2.69	BRBS	Pyrite matrixed volcaniclastic basalt breccia										
				-semi-massive PY 79.30 to 79.42 m, but	78.08	79.55	1.47	N111106	93	458	44	710	0.8	
				only about 2 % of total interval	79.55	80.77	1.22	N111107	93	78	31	476	<0.2	

SYNOPTIC LOG
FINLAYSON PROJECT
EXPATRIATE RESOURCES LTD.

Hole: IC 96-02 Property: ICE

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
80.77	85.23	4.46	BRBS	Basalt breccia, volcaniclastic										
					80.77	82.60	1.83	N111108	100	63	27	370	<0.2	
85.23	116.28	31.05	MSBS	Massive basalt										
				EOH										

SYNOPTIC LOG
FINLAYSON PROJECT
EXPATRIATE RESOURCES LTD.

Hole: IC96-03 Property: Ice Section: 11200N

Easting:	Northing:	Elevation:	Depth:
376805	6862638	1281	152.40

Logged by: G. McDougall
Drilling Dates: July 28 to August 1, 1996

Depth	Azimuth	Dip	Method
0	316°	-49°	Brunton
137.16		-48°	Acid

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	1.83	1.83	CSDH	Casing										
1.83	3.28	1.45	MSBS	Massive basalt										
				-dark brown LI and black Mn oxide	1.83	3.28	1.45	N110935	100	66	32	80	<0.2	<5
				stains all FR										
3.28	3.66	0.38	MSBS	Massive basalt										
				-dark brown LI and black Mn oxide	3.28	3.66	0.38	N110936	79	82	40	100	<0.2	<5
				stains all FR										
3.66	4.95	1.29	MSCH	Massive red chert										
					3.66	4.95	1.29	N110937	48	79	8	18	<0.2	<5
4.95	10.95	6.00	MSBS	Massive basalt										
				-many FR/breaks with LI coatings	4.95	6.52	1.57	N110938	100	56	36	104	<0.2	<5
				-LI decreases downward	6.52	8.00	1.48	N110939	74	69	29	92	<0.2	<5
					8.00	9.75	1.75	N110940	86	66	35	108	<0.2	<5
					9.75	10.95	1.20	N110941	86	63	35	102	<0.2	<5
10.95	11.12	0.17	FFBS	Basaltic tuff										
				-minor LI with calcite on broken surfaces	10.95	11.12	0.17	N110942	88	29	8	14	<0.2	<5
11.12	16.50	5.38	MSBS	Massive basalt										
				-LI on only a few of FR	11.12	12.80	1.68	N110943	100	61	34	78	<0.2	<5
				-patchy HE (red) staining	12.80	14.33	1.53	N110944	98	69	34	82	<0.2	<5
					14.33	16.50	2.17	N110945	92	76	31	86	<0.2	<5
16.50	17.07	0.57	MSBS	Massive basalt										
				-brown LI staining along most FR	16.50	17.07	0.57	N110946	70	56	25	72	<0.2	<5
17.07	22.42	5.35	MSBS	Massive basalt										
				-orange-brown LI staining where rock	17.07	18.90	1.83	N110947	74	63	29	74	<0.2	<5
				fractured	18.90	20.65	1.75	N110948	60	67	30	78	<0.2	<5
				-minor red HE staining	20.65	22.42	1.77	N110949	68	68	30	82	<0.2	<5
22.42	23.52	1.10	BRBS	Basalt, fault/shear breccia										
				-minor red HE staining	22.42	23.52	1.10	N110950	78	53	27	64	<0.2	<5

SYNOPTIC LOG Hole: IC96-03 Property: Ice

FINLAYSON PROJECT

EXPATRIATE RESOURCES LTD.

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
23.52	27.37	3.85	MSBS	Massive basalt										
				-rare red HE staining on FR	23.52	24.99	1.47	N111001	65	69	32	82	<0.2	<5
					24.99	26.37	1.38	N111002	87	63	28	76	<0.2	<5
					26.37	27.37	1.00	N111003	80	72	26	68	<0.2	<5
27.37	27.48	0.11	MSAR	Mudstone or argillite										
27.48	32.00	4.52	MSBS	Massive basalt										
				-rare red HE staining on FR	27.48	29.05	1.57	N111004	83	57	25	84	<0.2	<5
					29.05	30.48	1.43	N111005	67	54	25	76	<0.2	<5
					30.48	32.00	1.52	N111006	79	44	25	74	<0.2	<5
32.00	32.18	0.18	BRBS	Basalt, shear/fault zone										
					32.00	32.18	0.18	N111007	100	37	27	78	<0.2	<5
32.18	37.95	5.77	MSBS	Massive basalt										
				-rare red HE staining on FR with slickensides	32.18	34.14	1.96	N111008	57	44	25	76	<0.2	<5
					34.14	36.00	1.86	N111009	91	57	28	90	<0.2	<5
					36.00	37.95	1.95	N111010	100	53	27	84	<0.2	<5
37.95	38.27	0.32	BRBS	Basalt, brecciated to sheared										
				-minor red HE staining on FR with slickensides	37.95	38.27	0.32	N111011	68	59	32	96	<0.2	<5
38.27	42.06	3.79	MSBS	Massive basalt										
				-rare HE in calcite veinlets and on FR	38.27	40.23	1.96	N111012	75	57	28	90	<0.2	<5
					40.23	42.06	1.83	N111013	72	55	25	84	<0.2	<5
42.06	42.48	0.42	BRBS	Basalt, brecciated										
				-minor red HE on slickensided surfaces	42.06	42.48	0.42	N111014	83	53	30	92	<0.2	<5
42.48	47.30	4.82	MSBS	Massive basalt										
					42.48	44.08	1.60	N111015	43	57	27	86	<0.2	<5
					44.08	45.72	1.64	N111016	32	59	29	86	<0.2	<5
					45.72	47.30	1.58	N111017	45	59	25	78	<0.2	<5
47.30	47.43	0.13	PHBSp	Porphyritic basalt										
47.43	47.92	0.49	FFBS	Basaltic tuff										
					47.43	47.92	0.49	N111018	55	58	21	78	<0.2	<5

SYNOPTIC LOG
FINLAYSON PROJECT
EXPATRIATE RESOURCES LTD.

Hole: IC96-03 Property: Ice

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
47.92	58.22	10.30	PHBSp	Porphyritic basalt										
				-CU on FR surfaces 57.00 to 58.22 m	47.92	49.53	1.61	N111019	35	82	24	56	<0.2	<5
				-rare MA staining	49.53	51.36	1.83	N111020	70	79	25	54	<0.2	<5
					51.36	53.11	1.75	N111021	82	73	23	50	<0.2	<5
					53.11	54.71	1.60	N111022	68	82	25	54	<0.2	<5
					54.71	56.39	1.68	N111023	64	77	26	56	<0.2	<5
					56.39	58.22	1.83	N111024	45	96	27	58	<0.2	<5
58.22	60.35	2.13	BRBS	Brecciated porphyritic basalt										
				-many FR surfaces coated with patchy CU	58.22	60.35	2.13	N111025	32	534	35	120	<0.2	<5
				-minor bright red CT ? with CU										
60.35	62.71	2.36	BRBS	Brecciated basalt cut by quartz-pyrite-										
				chalcopyrite veins	60.35	61.57	1.22	N111026	67	1.32%	140	366	2.2	40
				-minor red HE along hairline veinlets and	61.57	62.71	1.14	N111027	81	1.18%	112	854	1.6	50
				disseminated in basalt										
62.71	63.20	0.49	BRBS	Basalt, fault breccia and gouge										
				-specular HE with quartz or chert as clasts	62.71	63.20	0.49	N111028	78	0.05%	109	152	<0.2	15
63.20	66.65	3.45	HEMS	Breccia with massive specular HE matrix										
				-CP with HE and quartz in breccia clasts	63.20	64.77	1.57	N111029	52	0.09%	82	134	0.2	10
				-minor possible CT along FR	64.77	66.65	1.88	N111030	30	0.03%	73	72	<0.2	10
66.65	67.00	0.35	MSBS	Massive basalt										
					66.65	67.00	0.35	N111031	43	0.01%	104	94	<0.2	<5
67.00	67.80	0.80	HEMS	Breccia with massive HE matrix										
				-CP in QV cutting matrix and clasts	67.00	67.80	0.80	N111032	56	0.12%	111	86	0.4	10
67.80	70.20	2.40	HEMS	Breccia with massive specular HE matrix										
				-earthy red HE along FR	67.80	68.88	1.08	N111033	100	0.01%	88	74	<0.2	5
					68.88	70.20	1.32	N111034	60	0.02%	75	908	0.2	60
70.20	71.60	1.40	BRBS	Basalt fault breccia										
					70.20	71.60	1.40	N111035	36	22	88	192	<0.2	10
71.60	72.69	1.09	BRBS	Basalt breccia, volcaniclastic										
				-red HE replacing PY in quartz veins	71.60	72.69	1.09	N111036	100	315	106	980	0.6	20

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
72.69	74.37	1.68	BRBS	Basalt breccia, volcaniclastic										
				-patchy specular HE in matrix	72.69	74.37	1.68	N111037	71	240	110	4780	0.2	30
				-red HE associated with PY in quartz veins										
				-CP with PY in quartz veins										
74.37	78.38	4.01	BRBS	Coarse basalt breccia, volcaniclastic										
				-HE patches and staining in quartz veins	74.37	75.74	1.37	N111038	93	122	69	2040	<0.2	45
					75.74	77.05	1.31	N111039	47	570	62	538	0.2	15
					77.05	78.38	1.33	N111040	59	397	50	584	<0.2	10
78.38	78.54	0.16	QTVN	Quartz vein with abundant altered wallrock										
				fragments	78.38	78.54	0.16	N111041	100	251	37	228	<0.2	10
78.54	85.63	7.09	MSBS	Massive basalt										
				-minor red HE along FR and veinlets	78.54	80.47	1.93	N111042	49	183	34	288	<0.2	<5
					80.47	82.30	1.83	N111043	75	142	33	328	<0.2	<5
					82.30	84.12	1.82	N111044	59	105	31	154	<0.2	<5
					84.12	85.63	1.51	N111045	95	101	32	312	<0.2	<5
85.63	86.41	0.78	BRBS	Fault breccia in basalt										
				-patchy HE in gouge and along FR	85.63	86.41	0.78	N111046	60	228	57	288	<0.2	<5
86.41	88.70	2.29	BRBS	Basalt, brecciated and veined										
				-red, earthy HE as FR coatings and vein-fillings	86.41	87.55	1.14	N111047	80	390	58	242	<0.2	<5
				-red HE in gouge	87.55	88.70	1.15	N111048	60	886	73	852	0.2	30
				-minor CP in QV and hairline FR in										
				basalt adjacent to veins										
88.70	105.16	16.46	BRBS	Volcaniclastic basalt breccia										
				-strong HE alteration	88.70	90.75	2.05	N111049	79	17	39	80	<0.2	<5
				-red HE matrix	90.75	92.81	2.06	N111050	93	35	29	56	<0.2	<5
					92.81	94.86	2.05	N111051	94	65	24	54	<0.2	<5
					94.86	96.91	2.05	N111052	98	65	22	48	<0.2	<5
					96.91	98.97	2.06	N111053	93	72	25	54	<0.2	<5
					98.97	101.04	2.07	N111054	95	54	25	54	<0.2	<5
					101.04	103.00	1.96	N111055	100	59	25	54	<0.2	<5
					103.00	105.16	2.16	N111056	80	89	28	78	<0.2	<5

SYNOPTIC LOG Hole: IC96-03 Property: Ice

FINLAYSON PROJECT

EXPATRIATE RESOURCES LTD.

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
105.16	117.01	11.85	BRBS	Volcaniclastic basalt breccia										
				-patchy HE alteration as seen in unit above	105.16	106.23	1.07	N111057	86	69	26	70	<0.2	<5
					106.23	108.12	1.89	N111058	96	65	29	84	<0.2	<5
					108.12	109.26	1.14	N111059	97	68	30	94	<0.2	<5
					109.26	110.40	1.14	N111060	92	68	27	92	<0.2	<5
					110.40	111.90	1.50	N111061	82	57	31	148	<0.2	<5
					111.90	113.39	1.49	N111062	83	53	29	100	<0.2	<5
					113.39	115.00	1.61	N111063	100	112	32	1310	<0.2	<5
					115.00	116.43	1.43	N111064	87	50	29	86	<0.2	<5
					116.43	117.01	0.58	N111065	100	91	30	186	<0.2	<5
117.01	117.71	0.70	BRBS	Volcaniclastic basalt breccia										
				-rare HE staining of matrix	117.01	117.71	0.70	N111066	96	94	34	206	<0.2	<5
				-possible CU (or HE) coating some FR										
				-minor CP with PY in matrix										
117.71	122.85	5.14	PYSM	Sulphide bands and matrix in volcaniclastic										
				basalt breccia	117.71	118.81	1.10	N111067	47	0.30%	97	214	1.0	<5
				-very minor HE coating late FR	118.81	120.40	1.59	N111068	44	0.35%	106	482	0.2	<5
				-CP with PY in quartz veins	120.40	121.92	1.52	N111069	83	0.33%	130	226	0.2	10
					121.92	122.85	0.93	N111070	68	0.45%	117	422	0.2	15
122.85	135.96	13.11	BRBS	Volcaniclastic basalt breccia										
					122.85	124.84	1.99	N111071	100	118	30	228	<0.2	<5
					124.84	126.82	1.98	N111072	90	109	30	94	0.2	<5
					126.82	128.63	1.81	N111073	93	86	32	138	<0.2	<5
					128.63	130.76	2.13	N111074	85	107	26	118	<0.2	<5
135.96	137.69	1.73	MSBS	Massive epidote-altered basalt										
137.69	141.76	4.07	MSBS	Massive basalt										
141.76	142.95	1.19	MSBS	Massive epidote-altered basalt										
142.95	152.40	9.45	MSBS	Massive basalt										
				EOH										

SYNOPTIC LOG
FINLAYSON PROJECT
EXPATRIATE RESOURCES LTD.

Hole: IC 96-04 | Property: Ice | Section: 11150N

Easting:	Northing:	Elevation:	Depth:
			148.29

Logged by: G.Bell
Drilling Dates: August 1 to 6, 1996

Depth	Azimuth	Dip	Method
0	308°	-50°	Set
No acid test done			

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	1.83	1.83	CSDH	Casing										
1.83	3.35	1.52	MSBS	mix breccia/massive basalt										
				-trace MA on FR	1.83	2.43	0.60	N111078	61	0.09%	24	94	<0.2	<5
					2.43	3.35	0.92	N111079	45	0.18%	23	106	<0.2	<5
3.35	9.42	6.07	BRBS	fine grained breccia basalt										
				-moderate HE on FR	3.35	5.00	1.65	N111080	83	0.15%	33	138	<0.2	<5
				-LI on FR	5.00	6.40	1.40	N111081	83	0.17%	34	180	<0.2	<5
					6.40	7.62	1.22	N111082	52	0.28%	37	202	<0.2	<5
					7.62	9.42	1.80	N111083	78	0.15%	33	162	<0.2	<5
9.42	15.48	6.06	MSBS	fractured basalt										
				- LI on FR	9.42	10.97	1.55	N111084	66	0.12%	25	124	<0.2	<5
				- HE staining on FR	10.97	12.65	1.68	N111085	81	0.21%	32	206	<0.2	<5
				-trace specular HE	12.65	14.02	1.37	N111086	87	0.21%	31	102	<0.2	<5
					14.02	15.48	1.46	N111087	76	0.24%	30	114	<0.2	<5
15.48	18.90	3.42	MSBS	fractured basalt										
				-minor LI staining on FR	15.48	17.07	1.59	N111088	56	0.34%	35	150	<0.2	<5
				-minor HE staining on FR	17.07	17.98	0.91	N111089	40	0.32%	26	158	<0.2	5
				-trace MA on FR	17.98	18.90	0.92	N111090	39	0.21%	21	104	<0.2	<5
18.90	22.56	3.66	MSBS	fractured basalt w <1% native CU										
				-minor LI on FR	18.90	20.27	1.37	N111091	25	0.39%	26	114	<0.2	<5
				-trace HE on FR	20.27	21.34	1.07	N111092	24	0.08%	30	270	<0.2	<5
				-<1% CU on FR	21.34	22.56	1.22	N111093	32	0.09%	42	842	4.8	<5
22.56	23.62	1.06	BRBS	breccia basalt w 2% native CU										
				-strong LI staining	22.56	23.62	1.06	N111094	19	1.02%	507	>10000	<0.2	<5
				-2% CU										
23.62	30.18	6.56	BRBS	breccia basalt w 1% native CU										
				-LI altered clasts	23.62	25.00	1.38	N111095	71	0.20%	96	1975	<0.2	<5
				-HE rims on clasts	25.00	26.52	1.52	N111096	62	0.25%	63	1100	0.6	<5
				-trace CU on FR, 1%	26.52	28.04	1.52	N111097	94	0.46%	89	1420	<0.2	<5
				-possible CC in matrix	28.04	29.11	1.07	N111098	90	0.46%	94	1350	<0.2	<5
					29.11	30.18	1.07	N111099	100	0.39%	140	2690	<0.2	<5

SYNOPTIC LOG
FINLAYSON PROJECT
EXPATRIATE RESOURCES LTD.

Hole: IC96-04 Property: Ice

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
30.18	31.09	0.91	FBST	sheared breccia basalt										
				-LI on FR	30.18	31.09	0.91	N111100	99	0.48%	431	6600	<0.2	<5
31.09	33.15	2.06	MSBS	fractured basalt										
				-minor LI on FR	31.09	32.46	1.37	N111151	97	0.16%	120	2960	<0.2	<5
					32.46	33.15	0.69	N111152	100	0.33%	144	3110	<0.2	15
33.15	37.19	4.04	FBST	breccia basalt w fault gouge										
				-minor LI in gouge	33.15	34.75	1.60	N111153	48	0.31%	172	3430	<0.2	<5
				-minor HE and CT staining in gouge	34.75	36.27	1.52	N111154	78	0.05%	185	4870	<0.2	<5
					36.27	37.19	0.92	N111155	95	0.1%	131	3770	<0.2	<5
37.19	40.23	3.04	BRBS	limonite stained breccia basalt										
				-strong LI	37.19	38.56	1.37	N111156	97	0.11%	145	3790	<0.2	<5
					38.56	40.23	1.67	N111157	80	0.47%	353	10000	<0.2	<5
40.23	46.90	6.67	MSBS	fractured massive basalt										
				-rare LI on FR	40.23	41.00	0.77	N111158	56	0.09%	63	1500	<0.2	<5
					41.00	42.52	1.52	N111159	100	106	49	552	<0.2	<5
					42.52	43.28	0.76	N111160	100	144	38	202	<0.2	<5
					43.28	44.81	1.53	N111161	100	105	31	86	<0.2	<5
					44.81	45.57	0.76	N111162	100	116	29	116	<0.2	<5
					45.57	46.90	1.33	N111163	100	81	24	76	<0.2	<5
46.90	48.35	1.45	BRBS	breccia basalt										
				-rare LI on FR	46.90	48.35	1.45	N111164	100	63	29	62	<0.2	<5
48.35	58.10	9.75	MSBS	fractured massive basalt										
58.10	62.70	4.60	MSBS	massive basalt										
62.70	65.75	3.05	BRBS	breccia basalt										
65.75	72.90	7.15	BRBS	calcite/qtz flooded breccia basalt										
72.90	75.60	2.70	BRBS	mix of calcite breccia + basalt breccia w weak LI										
75.60	78.10	2.50	MSBS	fractured basalt w interstitial PY (3%)										
					75.60	76.81	1.21	N111165	91	80	33	92	<0.2	<5
					76.81	78.10	1.29	N111166	97	76	26	176	<0.2	<5
78.10	81.00	2.90	BRBS	breccia basalt w interstitial PY up to 20%										
					78.10	79.60	1.50	N111167	86	823	36	1875	0.8	30
					79.60	81.00	1.40	N111168	90	122	41	600	<0.2	15
81.00	82.91	1.91	FBST	fault of breccia basalt										

SYNOPTIC LOG
FINLAYSON PROJECT
EXPATRIATE RESOURCES LTD.

Hole: IC96-04 Property: Ice

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
82.91	96.01	13.10	MSBS	faulted fractured basalt										
				-trace HE staining on FR	91.14	92.81	1.67	N111169	53	267	30	496	0.2	<5
					92.81	93.73	0.92	N111170	85	363	30	170	<0.2	<5
96.01	100.00	3.99	BRBS	tectonic breccia basalt										
100.00	104.85	4.85	MSBS	massive basalt mix w breccia basalt										
					103.17	104.85	1.68	N111171	86	61	23	64	<0.2	<5
104.85	121.90	17.05	BRBS	mix of 'hydrothermal' and tectonic breccia BS										
121.90	132.20	10.30	MSBS	fractured massive basalt										
132.20	148.29	16.09	BRBS	breccia basalt										
				-very rare HE stain along veins										
				EOH										

SYNOPTIC LOG
FINLAYSON PROJECT
EXPATRIATE RESOURCES LTD.

Hole: IC96-05 Property: Ice Section: 11000N

Easting:	Northing:	Elevation:	Depth:
			66.45

Logged by: G. Bell
Drilling Dates: Aug 10-14 1996

Depth	Azimuth	Dip	Method
0	306°	-50°	Brunton
66.45		-51°	Acid

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	1.83	1.83	CSDH	Casing										
1.83	2.15	0.32	OBDH	Basalt										
				-minor HE and LI staining	1.83	2.15	0.32	N111172	64	286	26	136	<0.2	
2.15	7.60	5.45	MSBS	Massive basalt										
				-LI on FR	2.15	3.10	0.95	N111173	65	450	45	170	<0.2	<5
				-HE on FR	3.10	4.88	1.78	N111174	86	575	65	160	<0.2	<5
				-CU on Fr and possibly dissem, <1%	4.88	6.10	1.22	N111175	93	585	40	135	<0.2	<5
				-end of distinct rust zone @ EOI	6.10	7.60	1.50	N111176	97	445	35	185	<0.2	<5
7.60	8.25	0.65	QTVN	white qtz vein with epidote										
				-minor HE and LI on FR	7.60	8.25	0.65	N111177	100	286	14	136	<0.2	
8.25	17.05	8.80	MSBS	fractured massive basalt										
				-rare LI on FR	8.25	9.60	1.35	N111178	89	100	34	144	<0.2	
					9.60	10.36	0.76	N111179	100	64	32	116	<0.2	
					10.36	11.89	1.53	N111180	89	71	32	134	<0.2	
					11.89	13.41	1.52	N111181	100	66	43	278	<0.2	
					13.41	14.94	1.53	N111182	95	71	63	816	<0.2	
					14.94	16.10	1.16	N111183	87	68	42	334	<0.2	
					16.10	17.05	0.95	N111184	84	89	44	304	<0.2	
17.05	34.90	17.85	MSBS	massive basalt										
34.90	48.46	13.56	MSBS	massive basalt										
				- no rusting	34.90	36.27	1.37	N111185	91	92	41	180	<0.2	
				-1% dissem PY	36.27	37.34	1.07	N111186	96	74	39	180	<0.2	
					37.34	38.86	1.52	N111187	97	60	80	800	<0.2	
					38.86	40.23	1.37	N111188	73	94	78	664	<0.2	
					40.23	41.15	0.92	N111189	55	59	42	178	<0.2	
					41.15	42.06	0.91	N111190	100	56	55	336	<0.2	
					42.06	42.67	0.61	N111191	100	59	42	152	<0.2	
					42.67	43.89	1.22	N111192	95	48	61	394	<0.2	
48.46	55.30	6.84	BRBS	breccia basalt										
				-rare LI on FR	54.61	55.89	1.28	N111193	100	108	33	142	<0.2	
				- trace PY										

SYNOPTIC LOG Hole: IC96-05 Property: Ice

FINLAYSON PROJECT

EXPATRIATE RESOURCES LTD.

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
55.30	58.97	3.67	BRBS	breccia basalt with qtz and calcite										
				- trace LI on FR	55.89	56.45	0.56	N111194	89	177	31	404	<0.2	
				-up to 10% locally interstitial PY	56.45	58.00	1.55	N111195	88	214	37	144	0.2	
					58.00	58.77	0.77	N111196	100	260	34	126	<0.2	
58.97	61.20	2.23	BRBS	breccia basalt with qtz and calcite										
				-rare LI on FR	58.97	60.05	1.08	N111197	77	52	25	70	0.2	
				-up to 5% PY in matrix	60.05	61.20	1.15	N111198	91	66	32	246	0.2	
61.20	64.20	3.00	BRBS	breccia basalt										
64.20	65.00	0.80	MSCH	massive dark grey chert										
65.00	66.45	1.45	CBMS	mudstone										
				EOH										

SYNOPTIC LOG
FINLAYSON PROJECT
EXPATRIATE RESOURCES LTD.

Hole: IC96-06 Property: Ice Section: 11100N

Easting:	Northing:	Elevation:	Depth:
376708	6862589	1279	92.66

Logged by: G. Bell
Drilling Dates: August 15-17, 1996

Depth	Azimuth	Dip	Method
0	304°	-50°	Brunton
92.66		-53°	acid

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	2.44	2.44	CSDH	casing										
2.44	8.21	5.77	BRBS	mix of breccia and massive basalt										
				-strong LI staining on FR	2.44	3.85	1.41	N111199	50	0.15 %	27	132	<0.2	
				-weak to mod HE staining on FR	3.85	5.33	1.48	N111200	46	0.16 %	36	200	<0.2	
				-trace MA on FR	5.33	6.10	0.77	N111251	100	0.24 %	43	278	<0.2	
					6.10	7.32	1.22	N111252	86	0.23 %	35	286	0.2	
					7.32	8.21	0.89	N111253	100	0.25 %	46	308	<0.2	
8.21	11.25	3.04	BRBS	breccia basalt										
				-weak LI on FR	8.21	9.34	1.13	N111254	88	0.39 %	45	436	0.2	
				-mod HE staining on FR	9.34	10.36	1.02	N111255	72	0.30 %	59	458	0.2	
				-rare MA	10.36	11.25	0.89	N111256	100	0.22 %	43	282	<0.2	
11.25	12.69	1.44	BRBS	breccia basalt with fault gouge										
				-LI rusted gouge material	11.25	12.69	1.44	N111257	85	0.39 %	48	422	0.2	
				-minor HE staining on pebbles										
12.69	17.48	4.79	BRBS	qtz altered breccia basalt										
				-LI on FR	12.69	13.85	1.16	N111258	100	0.17 %	24	116	0.2	
				-minor HE staining	13.85	14.94	1.09	N111259	94	0.18 %	26	134	<0.2	
				-trace MA on FR	14.94	16.46	1.52	N111260	93	0.28 %	29	124	<0.2	
					16.46	17.48	1.02	N111261	86	0.38 %	28	160	0.2	
17.48	19.51	2.03	MSBS	fractured massive basalt										
				-weak LI and HE on FR	17.48	18.50	1.02	N111262	91	0.69 %	22	130	0.2	
				-trace CT on FR	18.50	19.51	1.01	N111263	100	0.97 %	33	214	<0.2	
				-mod MA on FR										
19.51	22.00	2.49	BRBS	breccia basalt with Cu oxides										
				-mod LI on FR	19.51	20.50	0.99	N111264	88	2.92 %	32	310	<0.2	
				-weak HE on FR	20.50	21.34	0.84	N111265	95	2.98 %	24	294	<0.2	
				-mod CTstaining and crystals on FR	21.34	22.00	0.66	N111266	96	1.07 %	16	172	<0.2	
				-mod to strong MA on FR										
22.00	24.60	2.60	MSBS	fractured basalt with native CU										
				-minor LI on FR	22.00	22.60	0.60	N111267	100	2.47 %	33	214	0.2	
				-CTstaining and trace CT crystals	22.60	23.77	1.17	N111268	90	1.37 %	35	190	0.2	

SYNOPTIC LOG Hole: IC96-06 Property: Ice

FINLAYSON PROJECT

EXPATRIATE RESOURCES LTD.

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
				-1% CU on FR	23.77	24.60	0.83	N111269	91	1.14 %	40	262	<0.2	
24.60	25.45	0.85	BRBS	breccia basalt										
				-mod-strong LI on FR	24.60	25.45	0.85	N111270	95	1.78 %	40	336	<0.2	
				-mod CT staining on FR										
				-<1% CU on FR										
25.45	26.40	0.95	GGST	limonite stained fault gouge										
				-strong LI staining	25.45	26.40	0.95	N111271	69	5.15 %	209	5480	<0.2	
				-2% native CU										
				-minor CTstaining										
26.40	28.30	1.90	MSBS	fractured massive basalt										
				-trace LI on FR	26.40	27.13	0.73	N111272	95	0.40 %	70	1420	<0.2	
				-up to 3% CU on FR	27.13	28.30	1.17	N111273	79	159	57	906	<0.2	
28.30	41.10	12.80	MSBS	fractured massive basalt										
					28.30	28.96	0.66	N111274	100	127	42	286	0.2	
					28.96	30.48	1.52	N111275	100	78	32	164	0.2	
					30.48	31.70	1.22	N111276	83	93	32	164	<0.2	
					31.70	32.92	1.22	N111277	85	83	29	114	<0.2	
41.10	43.38	2.28	MSBS	massive basalt										
43.38	66.56	23.18	MSBS	MSBS mixed with BRBS										
66.56	72.53	5.97	PHBS	porphyritic basalt										
72.53	80.87	8.34	MSBS	fractured massive basalt										
					72.53	73.96	1.43	N111278	85	n/a	28	72	0.2	
					75.90	77.42	1.52	N111279	86	n/a	25	72	<0.2	
80.87	92.66	11.79	MSBS	massive basalt										
				EOH										

SYNOPTIC LOG
FINLAYSON PROJECT
EXPATRIATE RESOURCES LTD.

Hole: IC96-07   Property: Ice   Section: 11100N

Easting:	Northing:	Elevation:	Depth:
376749	6862558	1272	53.34

Logged by: G. Bell
Drilling Dates: Aug 19-21, 1996

Depth	Azimuth	Dip	Method
0.00	320°	-50°	Brunton
45.72	320°	-49°	acid

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	1.83	1.83	CSDH	casing										
1.83	6.40	4.57	BCDH	broken basalt										
				-rare LI on FR	1.83	3.66	1.83	N111280	5	76	24	70	<0.2	
				-rare HE on FR	3.66	5.49	1.83	N111281	5	78	25	58	<0.2	
					5.49	6.40	0.91	N111282	17	64	25	66	<0.2	
6.40	12.10	5.70	BRBS	breccia basalt										
				-trace LI on FR	6.40	7.77	1.37	N111283	60	72	27	72	<0.2	
					7.77	9.14	1.37	N111284	25	59	28	70	<0.2	
					9.14	10.36	1.22	N111285	85	77	33	82	<0.2	
					10.36	11.89	1.53	N111286	84	74	31	74	<0.2	
12.10	14.65	2.55	BRBS	breccia basalt										
14.65	18.90	4.25	BRBS	breccia basalt										
18.90	30.70	11.80	MSBS	massive basalt										
				-trace LI on FR	29.53	30.70	1.17	N111287	91	49	30	80	<0.2	
30.70	40.00	9.30	BRBS	breccia basalt										
40.00	53.34	13.34	MSBS	massive basalt										
				-very rare HE and LI on FR	40.84	42.37	1.53	N111288	95	69	28	74	<0.2	
					52.43	53.34	0.91	N111289	100	77	28	80	<0.2	
				EOH										

SYNOPTIC LOG
FINLAYSON PROJECT
EXPATRIATE RESOURCES LTD.

Hole: IC96-08 | Property: Ice | Section: 11100N

Easting:	Northing:	Elevation:	Depth:
376622	6862646	1285	74.37

Logged by: G. Bell
Drilling Dates: Aug 22-25, 1996

Depth	Azimuth	Dip	Method
0.00		90°	
73.15		-89°	acid

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	3.66	3.66	CSDH	casing										
3.66	4.50	0.84	OBDH	overburden										
				-trace LI coating on pebbles										
4.50	12.30	7.80	BCDH	broken core, basalt										
				-minor LI on FR	4.50	6.50	2.00	N111299	10	355	30	160	<0.2	<5
				-minor HE on FR	6.50	8.20	1.70	N111300	12	910	40	330	<0.2	<5
					8.20	10.00	1.80	N110951	6	800	35	215	<0.2	<5
					10.00	12.30	2.30	N110952	12	870	30	185	<0.2	<5
12.30	14.94	2.64	BRBS	rusted breccia basalt										
				-LI staining mod and increasing with depth	12.30	13.41	1.11	N110953	62	0.25%	55	910	<0.2	<5
				-strong HE staining on FR	13.41	14.94	1.53	N110954	98	0.42%	60	950	<0.2	<5
14.94	16.92	1.98	GGST	LI stained fault gouge										
				-strong LI staining	14.94	16.92	1.98	N110955	28	.39%	355	235	<0.2	20
				-weak HE staining										
				-Py up to 20%										
16.92	18.00	1.08	BRBS	basalt with fault gouge										
				-brown LI on FR	16.92	18.00	1.08	N110956	65	1.70%	450	195	<0.2	20
				-weak HE on FR										
				-Cc in veinlets										
18.00	20.30	2.30	BRBS	breccia basalt with chalcocite										
				-trace LI on FR	18.00	19.02	1.02	N110957	100	2.06%	775	145	<0.2	20
				-trace HE on FR	19.02	20.30	1.28	N110958	85	4.99%	725	35	<0.2	20
				-jarosite on FR										
				-20% Cc										
				-30% Py										
20.30	21.80	1.50	BRBS	breccia basalt										
				-HE and LI on FR	20.30	21.80	1.50	N110959	85	2.35%	210	190	<0.2	10
21.80	24.08	2.28	PYMS	massive pyrite with hematite										
				-brown LI staing	21.80	22.90	1.10	N110960	84	1.99%	385	200	<0.2	30
				-HE staining	22.90	24.08	1.18	N110961	85	1.63%	640	105	<0.2	25
				-Cc along FR and veins										

SYNOPTIC LOG Hole: IC96-08 Property: Ice

FINLAYSON PROJECT

EXPATRIATE RESOURCES LTD.

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
24.08	26.50	2.42	BRBS	breccia basalt										
				-LI alteration in clasts	24.08	25.60	1.52	N110962	95	2.63%	60	405	<0.2	10
				-weak HE staing	25.60	26.50	0.90	N110963	85	2.75%	55	500	<0.2	<5
				-trace Ct on FR										
26.50	32.62	6.12	MSBS	fractured and faulted basalt										
				-trace LI on FR	26.50	27.80	1.30	N110964	81	0.60%	100	2990	<0.2	<5
				-trace Cu and Ct on FR near top of interval	27.80	28.65	0.85	N110965	89	575	130	3530	<0.2	<5
					28.65	31.09	2.44	N110966	33	110	65	1105	<0.2	<5
					31.09	32.62	1.53	N110967	69	80	60	205	<0.2	<5
32.62	46.93	14.31	BRBS	breccia basalt										
46.93	74.37	27.44	MSBS	massive basalt										
				-very rare HE associated with qtz veins										
				EOH										

SYNOPTIC LOG
FINLAYSON PROJECT
EXPATRIATE RESOURCES LTD.

Hole: IC96-09 Property: Ice Section: 11100N

Easting:	Northing:	Elevation:	Depth:
376623	6862645	1285	74.37

Logged by: G. Bell
Drilling Dates: Aug 26-30, 1996

Depth	Azimuth	Dip	Method
0.00	128°	-50°	na
73.15	128°	-50°	acid

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	2.43	2.43	CSDH	casing										
2.43	5.49	3.06	OBDH	overburden, sand										
				-trace LI staining	2.43	5.49	3.06	N110251	10	762	40	286	0.8	
5.49	20.73	15.24	OBDH	overburden										
				-trace Li staining on pebbles	5.49	7.31	1.82	N110252	14	72	23	82	<0.2	
					7.31	10.36	3.05	N110253	7	71	20	76	<0.2	
					10.36	20.73	10.37	N110254	2	1410	22	214	0.2	
20.73	24.69	3.96	OBDH	overburden, broken core										
				-LI on FR	20.73	24.69	3.96	N110255	9	0.89%	28	354	<0.2	<5
				-trace native Cu										
				-trace MA on FR										
24.69	27.83	3.14	BRBS	breccia basalt										
				-LI on FR	24.69	25.95	1.26	N110256	94	1.82%	50	585	<0.2	<5
				-HE on FR	25.95	27.83	1.88	N110257	73	0.58%	40	535	<0.2	15
				-trace MA on FR										
27.83	29.87	2.04	BRBS	breccia basalt with fault										
				-LI on FR	27.83	28.65	0.82	N110258	100	0.70%	40	520	<0.2	<5
				-HE on FR	28.65	29.87	1.22	N110259	100	0.50%	40	350	<0.2	<5
				-mod Ct on FR										
29.87	32.35	2.48	PYMS	massive pyrite and chalcocite with qtz										
				-LI on FR	29.87	30.95	1.08	N110260	80	0.99%	320	365	1.0	100
				-weak HE staining throughout	30.95	32.35	1.40	N110261	74	1.72%	690	290	1.0	25
				-massive (40%) Py										
				-15% Cc										
				-minor jarosite staining on FR										
32.35	39.55	7.20	BRBS	breccia basalt										
				-trace LI on FR	32.35	33.22	0.87	N110262	90	0.83 %	82	316	<0.2	
				-rare HE	33.22	34.75	1.53	N110263	90	1.22 %	68	244	<0.2	
					34.75	36.27	1.52	N110264	83	1.41 %	69	206	0.2	
					36.27	37.79	1.52	N110265	93	1.52 %	84	208	0.4	
					37.79	39.55	1.76	N110266	81	1.18 %	90	176	0.2	

SYNOPTIC LOG Hole: IC96-09 Property: Ice

FINLAYSON PROJECT

EXPATRIATE RESOURCES LTD.

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
39.55	43.50	3.95	PYMS	pyrite and chalcocite with breccia basalt										
				-minor LI on FR	39.55	40.84	1.29	N110267	81	1.64%	1015	335	1.0	70
				-weak HE on FR and dissem	40.84	42.00	1.16	N110268	87	1.69%	535	390	<0.2	30
				-rare native Cu	42.00	43.50	1.50	N110276	82	2.18%	645	180	1.0	40
				-10% Cc										
				-minor Ct on FR										
				-30-40% Py										
43.50	54.50	11.00	FBST	faulted breccia basalt										
				-trace LI on FR	43.50	45.42	1.92	N110269	73	0.71%	35	890	<0.2	<5
				-trace HE on FR	45.42	46.94	1.52	N110270	90	1.05%	85	610	<0.2	25
				-minor Ct on FR and in gouge	46.94	48.00	1.06	N110271	84	10000	71	688	1.2	25
				-rare native Cu	48.00	49.23	1.23	N110272	63	10000	70	900	1.2	30
					49.23	50.90	1.67	N110273	70	10000	67	3740	0.4	25
					50.90	53.04	2.14	N110274	43	0.39%	64	2750	0.2	<5
					53.04	54.50	1.46	N110275	91	0.02%	215	180	<0.2	<5
54.50	57.91	3.41	BRBS	breccia basalt										
				-rare HE in qtz veins	54.50	55.93	1.43	N110277	85	257	136	3040	0.2	
					55.93	57.91	1.98	N110278	68	319	137	2710	<0.2	
57.91	65.23	7.32	BRBS	breccia basalt										
65.23	74.37	9.14	MSBS	massive basalt										
				EOH										

SYNOPTIC LOG
FINLAYSON PROJECT
EXPATRIATE RESOURCES LTD.

Hole: IC96-10 Property: Ice Section: 10500N

Easting:	Northing:	Elevation:	Depth:
376000	6862399	1258	83.52

Logged by: G. Bell
Drilling Dates: Aug31-Sept6, 1996

Depth	Azimuth	Dip	Method
0.00	165°	-51°	Brunton
83.52	165°	-47°	acid

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	82.32	82.32	MSBS	massive basalt										
					3.66	4.42	0.76	N110279	83	80	21	46	<0.2	
					4.42	6.90	2.48	N110280	44	75	22	44	<0.2	
					6.90	8.53	1.63	N110281	85	66	24	70	<0.2	
					8.53	10.21	1.68	N110282	91	65	23	74	<0.2	
82.32	83.52	1.20	FBST	massive basalt in fault zone										
				EOH										

SYNOPTIC LOG
FINLAYSON PROJECT
EXPATRIATE RESOURCES LTD.

Hole: IC96-11 Property: Ice Section: 10700N

Easting:	Northing:	Elevation:	Depth:
376305	6862399	1247	77.72

Logged by: G. Bell
Drilling Dates: Sept. 7 - 10, 1996

Depth	Azimuth	Dip	Method
0.00	300°	-51°	Brunton
77.72		-52°	acid

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	3.02	3.02	OBDH	overburden										
3.02	8.00	4.98	MSBS	massive basalt										
					3.66	5.18	1.52	N110295	68	65	25	72	<0.2	
					5.18	6.71	1.53	N110296	86	68	26	76	<0.2	
					6.71	8.00	1.29	N110297	93	72	27	76	<0.2	
8.00	10.47	2.47	MSBS	massive basalt										
10.47	20.79	10.32	MSBS	massive basalt										
20.79	33.22	12.43	MSBS	fractured massive basalt										
33.22	44.40	11.18	PHBSp	porphrytic basalt										
44.40	72.85	28.45	PHBSp	porphrytic basalt										
					60.66	62.18	1.52	N110298	91	31	33	116	<0.2	
					62.18	63.70	1.52	N110299	89	14	28	104	<0.2	
72.85	77.72	4.87	PHBSp	porphrytic basalt										
				EOH										

SYNOPTIC LOG
FINLAYSON PROJECT
EXPATRIATE RESOURCES LTD.

Hole: IC96-12   Property: Ice   Section: 11100N

Easting:	Northing:	Elevation:	Depth:
376585	6862686	1304	70.41

Logged by: G. Bell
Drilling Dates: Sept. 11 - 13, 1996

Depth	Azimuth	Dip	Method
0.00	306°	-50°	Brunton
70.41		-50°	acid

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	9.14	9.14	CSDH	casing										
9.14	20.65	11.51	MSBS	fractured massive basalt with fault gouge										
					9.14	10.67	1.53	N110300	81	664	101	2600	<0.2	
					10.67	11.89	1.22	N111354	57	190	99	2190	<0.2	
					11.89	13.72	1.83	N111355	100	272	89	1260	<0.2	
					13.72	14.94	1.22	N111356	92	79	46	214	<0.2	
					14.94	15.85	0.91	N111357	85	74	38	150	<0.2	
					15.85	17.07	1.22	N111358	75	61	122	1235	<0.2	
					17.07	18.59	1.52	N111359	78	76	41	276	<0.2	
					18.59	20.65	2.06	N111360	82	79	38	142	<0.2	
20.65	32.90	12.25	FBST	faulted basalt										
					20.65	22.25	1.60	N111361	43	103	39	112	<0.2	
					22.25	23.77	1.52	N111362	7	399	74	768	<0.2	
					23.77	24.99	1.22	N111363	22	0.15%	107	1630	<0.2	<5
					24.99	26.06	1.07	N111364	43	0.15%	165	1525	<0.2	<5
					26.06	27.43	1.37	N111365	40	0.35%	109	1030	<0.2	<5
					27.43	29.57	2.14	N111366	30	793	61	330	<0.2	
					29.57	30.79	1.22	N111367	61	180	41	122	<0.2	
32.90	40.70	7.80	MSBS	massive basalt										
40.70	42.80	2.10	MSBS	massive basalt										
42.80	52.00	9.20	MSBS	fractured massive basalt										
52.00	70.41	18.41	BRBS	breccia basalt										
				EOH										

SYNOPTIC LOG
FINLAYSON PROJECT
EXPATRIATE RESOURCES LTD.

Hole: IC96-13 | Property: Ice | Section: 11300N

Easting:	Northing:	Elevation:	Depth:
376817	6862747	1295	98.76

Logged by: G. Bell
Drilling Dates: Sept. 12 - 16, 1996

Depth	Azimuth	Dip	Method
0.00	315	-48	Brunton
98.76		-51	acid

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	1.22	1.22	CSDH	casing										
1.22	6.27	5.05	MSBS	massive basalt										
				-minor HE on FR	4.27	5.79	1.52	N111368	66	73	30	88	<0.2	
				-minor LI on FR										
6.27	8.34	2.07	MSBS	silicified basalt										
				-rare LI on FR	7.32	8.34	1.02	N111369	68	25	3	10	<0.2	
				-moderate HE alteration										
8.34	10.20	1.86	MSBS	massive basalt										
10.20	13.49	3.29	FBST	limonite stained fault zone										
				-stong LI alteration	10.20	11.88	1.68	N111370	62	61	29	82	<0.2	
				-HE coating on FR	11.88	13.49	1.61	N111371	61	58	33	96	<0.2	
13.49	17.05	3.56	MSBS	massive basalt										
				-trace LI on FR	13.49	14.94	1.45	N111372	73	69	36	94	<0.2	
				-moderate HE on FR	14.94	16.46	1.52	N111373	84	73	37	98	<0.2	
					16.46	17.05	0.59	N111374	100	74	38	98	<0.2	
17.05	19.90	2.85	FBST	fault zone										
19.90	25.24	5.34	MSBS	massive basalt										
				-rare LI on FR	24.08	25.24	1.16	N111375	91	79	40	110	<0.2	
25.24	30.02	4.78	BRBS	breccia basalt										
30.02	39.10	9.08	FBST	faulted quartz and calcite vein										
				-weak LI staining	30.02	31.70	1.68	N111376	68	7	19	144	<0.2	
39.10	46.72	7.62	MSBS	massive basalt										
				-trace LI on FR	39.93	42.37	2.44	N111377	98	87	32	92	<0.2	
				-trace Cu on FR	42.37	43.89	1.52	N111378	84	109	69	1125	<0.2	
					43.89	45.42	1.53	N111379	81	0.12%	90	1025	<1	<5
					45.42	46.72	1.30	N111380	100	0.02%	85	1115	<1	<5
46.72	48.58	1.86	MSBS	fractured massive basalt										
				-weak LI on FR	46.72	47.40	0.68	N111381	88	0.43%	70	1325	<1	<5
				-weak HE on FR	47.40	48.58	1.18	N111382	78	3.61%	50	705	<1	<5
				-moderate Ct on FR										
				-Cu on FR										

SYNOPTIC LOG
FINLAYSON PROJECT

EXPATRIATE RESOURCES LTD.

Hole: IC96-13   Property: Ice

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
48.58	51.28	2.70	HEMS	massive hematite										
				-trace LI	48.58	49.99	1.41	N111383	72	2.90%	45	940	<1	30
				-veins of Py and arsenopyrite	49.99	51.28	1.29	N111384	77	1.37%	30	400	5	70
51.28	55.83	4.55	PYMS	massive Py with chalcocite										
				-minor LI on FR	51.28	53.04	1.76	N111385	76	1.27%	145	890	9	270
				-veins of massive HE	53.04	54.56	1.52	N111386	86	1.64%	430	1125	8	380
				-minor Cc (5%)	54.56	55.83	1.27	N111387	75	4.35%	805	520	12	425
				-trace jarosite										
55.83	57.03	1.20	MSBS	massive basalt										
				-trace LI on FR	55.83	57.03	1.20	N111388	88	1.83%	45	660	1	40
				-moderate Ct on FR										
				-trace Cu on FR										
57.03	74.52	17.49	BRBS	breccia basalt										
				-minor HE	57.03	59.13	2.10	N111389	86	1915	116	3350	<0.2	
					59.13	60.66	1.53	N111390	85	1355	131	4230	<0.2	
					60.66	62.18	1.52	N111391	74	273	131	2600	<0.2	
					62.18	63.70	1.52	N111392	84	188	78	736	<0.2	
74.52	98.76	24.24	MSBS	massive basalt										
				-trace HE with Py	89.61	91.14	1.53	N111393	69	583	38	3340	1.4	
				EOH										

SYNOPTIC LOG
FINLAYSON PROJECT

EXPATRIATE RESOURCES LTD.

Hole: IC96-14 Property: Ice Section: 11100N

Easting:	Northing:	Elevation:	Depth:
376662	6862617	1278	57.00

Logged by: A. Burgert

Drilling Dates: Sept. 14 - 17, 1996

Depth	Azimuth	Dip	Method
0.00	308°	-50°	brunton
57.00		-48°	acid

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	2.90	2.90	OBDH	overburden										
				- LI + HE on fractures	0.00	2.90	2.90	N111394	8	0.26 %	29	174	0.4	10
2.90	8.20	5.30	BRBS	breccia basalt										
				- LI strong along fractures	2.90	4.57	1.67	N111395	32	0.56 %	84	346	2.4	30
				- minor HE	4.57	5.33	0.76	N111396	71	0.26 %	45	372	1.0	5
				- minor pyrite and epidote in matrix	5.33	6.71	1.38	N111397	68	0.94 %	121	384	1.2	15
					6.71	8.20	1.49	N111398	78	0.23 %	144	458	0.2	15
8.20	9.75	1.55	BRBS	breccia basalt										
				- LI common on fractures	8.20	9.75	1.55	N111399	26	0.40 %	89	510	0.4	5
				- HE locally strong	8.83	9.75	0.92	N111400	64	0.41 %	62	454	0.2	<5
9.75	20.12	10.37	FBST	fault breccia										
				- LI and jarosite common on fractures	9.75	10.97	1.22	N111401	45	0.09 %	40	526	<0.2	<5
					10.97	12.19	1.22	N111402	57	0.91 %	42	440	0.2	<5
					12.19	14.17	1.98	N111403	35	0.57 %	24	232	<0.2	<5
					14.17	16.15	1.98	N111404	33	0.42 %	31	370	0.2	35
					16.15	17.37	1.22	N111405	47	2.04 %	41	692	<0.2	<5
					17.37	18.90	1.53	N111406	53	2.23 %	42	750	<0.2	<5
					18.90	20.12	1.22	N111407	42	1.69 %	39	286	0.2	<5
20.12	21.05	0.93	HEMS	massive magnetite+pyrite										
				- massive HE + magnetite + pyrite	20.12	21.05	0.93	N111408	79	1.15 %	94	186	0.2	55
21.05	21.34	0.29	PYMS	massive pyrite										
					21.05	21.34	0.29	N111409	69	3.72 %	518	2010	23.4	330
21.34	24.50	3.16	BRBS	chloritized breccia basalt										
				- disseminated pyrite	21.34	23.16	1.82	N111410	52	1.93 %	137	798	5.0	40
					23.16	24.15	0.99	N111411	64	1.07 %	189	574	0.2	25
					24.15	24.50	0.84	N111412	48	1.37 %	289	388	<0.2	10
24.50	26.30	1.80	BRBS	pyritic basalt breccia										
				- disseminated pyrite	24.50	26.30	1.31	N111413	77	3.43 %	386	820	0.2	45
				- minor jarosite staining										
26.30	28.96	2.66	BRBS	pyritic basalt breccia										
				- disseminated pyrite	26.30	28.96	2.66	N111414	46	0.73 %	438	246	0.8	20
				- minor chalcocite veining										
28.96	34.44	5.48	BRBS	chloritized breccia basalt										

FINLAYSON PROJECT

EXPATRIATE RESOURCES LTD.

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
				- minor LI on fractures	28.96	29.65	0.69	N111415	100	1.08 %	41	872	0.2	<5
					29.65	31.09	1.44	N111416	56	0.53 %	45	780	<0.2	<5
					31.09	32.61	1.52	N111417	26	0.79 %	42	700	0.2	<5
					32.61	34.44	1.83	N111418	42	0.82 %	41	814	<0.2	<5
34.44	40.49	6.05	MSBS	chloritized breccia basalt										
					34.44	36.73	2.29	N111419	50	195	39	324	<0.2	
					36.73	38.86	2.13	N111420	72	109	46	378	<0.2	
					38.86	40.49	1.63	N111421	65	74	52	218	<0.2	
40.49	43.28	2.79	MSBS	chloritized breccia basalt										
					40.49	43.28	2.79	N111422	72	73	30	84	<0.2	
43.28	57.00	13.72	MSBS	massive basalt										
				EOH										

SYNOPTIC LOG
FINLAYSON PROJECT
EXPATRIATE RESOURCES LTD.

Hole: IC96-15　Property: Ice　Section: 11200N

Easting:	Northing:	Elevation:	Depth:
376723	6862728	1315	89.55

Logged by: A. Burgert
Drilling Dates: Sept. 17 - 21, 1996

Depth	Azimuth	Dip	Method
0.00	308°	-50°	brunton
89.55		-47°	acid

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	1.82	1.82	CSDH	casing										
1.82	7.32	7.32	MSBS	weathered basalt										
				- abundant LI and jarosite	1.82	7.32	5.50	N111423	15	2.03%	42	584	0.4	<5
				- occasional malachite										
7.32	10.36	3.04	MSBS	fractured basalt										
					7.32	8.84	1.52	N111424	82	309	44	270	0.2	
					8.84	10.36	1.52	N111425	81	125	42	218	<0.2	
10.36	13.07	2.71	BRBS	chloritized basalt breccia										
				- minor LI on fractures	10.36	11.89	1.53	N111426	5	131	40	130	<0.2	
				- minor HE blotches	11.89	13.07	1.18	N111427	65	152	47	136	<0.2	
				- disseminated pyrite										
13.07	14.84	1.77	MSBS	chloritized basalt										
					13.07	14.84	1.77	N111428	93	530	44	144	<0.2	
14.84	19.00	4.16	FBST	chloritized fault breccia										
					14.84	16.46	1.62	N111429	82	235	56	190	<0.2	
					16.46	17.98	1.52	N111430	68	241	91	350	<0.2	
					17.98	19.00	1.02	N111431	78	339	68	202	<0.2	
19.00	21.30	2.30	MSBS	chloritized basalt										
					19.00	21.30	2.30	N111432	90	274	63	242	<0.2	
21.30	23.25	1.95	FBST	hematitic fault breccia										
				- HE common as matrix and veins	21.30	22.56	1.26	N111433	64	277	92	712	<0.2	
					22.56	23.25	0.69	N111434	72	117	62	220	<0.2	
23.25	26.90	3.65	MSBS	fractured basalt										
					23.25	24.40	1.15	N111435	100	561	59	308	<0.2	
					24.40	26.90	2.50	N111436	56	0.42%	92	582	0.2	<5
26.90	27.25	0.35	GGST	chloritized fault gouge										
					26.90	27.25	0.35	N111437	63	0.28%	131	640	0.6	35
27.25	28.65	1.40	MSBS	fractured basalt										
					27.25	28.65	1.40	N111438	40	559	118	568	<0.2	
28.65	30.28	1.63	BRBS	chloritized basalt breccia										
				- HE matrix	28.65	30.28	1.63	N111439	66	188	77	728	<0.2	
30.28	31.70	1.42	EPVN	epidote vein										
					30.28	31.70	1.42	N111440	77	141	59	340	<0.2	
31.70	45.67	13.97	BRBS	chloritized basalt breccia										

FINLAYSON PROJECT

EXPATRIATE RESOURCES LTD.

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
				- minor calcite veining	31.70	33.22	1.52	N111441	90	156	42	190	<0.2	
					33.22	34.75	1.53	N111442	88	145	45	198	0.2	
					34.75	36.27	1.52	N111443	76	220	53	330	<0.2	
					36.27	37.80	1.53	N111444	99	120	38	356	<0.2	
					37.80	39.32	1.52	N111445	89	205	40	406	<0.2	
					39.32	40.84	1.52	N111446	80	116	43	132	<0.2	
					40.84	42.37	1.53	N111447	95	81	38	114	<0.2	
					42.37	43.89	1.52	N111448	90	99	42	118	<0.2	
					43.89	45.67	1.78	N111449	98	87	43	136	<0.2	
45.67	46.25	0.58	GGST	chloritized fault gouge										
					45.67	46.25	0.58	N111450	90	302	44	208	<0.2	
46.25	47.14	0.89	BRBS	veined basalt breccia										
				- quartz and calcite veins	46.25	47.14	0.89	N111451	94	116	31	996	<0.2	
47.14	52.05	4.91	BRBS	pyritic basalt breccia										
				- matrix of semi-massive pyrite	47.14	48.46	1.32	N111452	70	0.10%	63	1035	0.2	<5
					48.46	49.99	1.53	N111453	84	0.30%	156	976	0.8	10
					49.99	52.05	2.06	N111454	89	0.23%	57	872	2.6	80
52.05	58.30	6.25	BRBS	chloritized basalt breccia										
					52.05	54.10	2.05	N111455	71	0.11%	53	718	<0.2	<5
					54.10	55.47	1.37	N111456	90	589	51	726	<0.2	
					55.47	57.00	1.53	N111457	82	125	33	258	<0.2	
					57.00	58.30	1.30	N111458	87	48	32	166	0.2	
58.30	59.70	1.40	FBST	chloritized fault breccia										
					58.30	59.70	1.40	N111459	64	406	51	898	0.6	
59.70	62.55	2.85	BRBS	chloritized basalt breccia										
					59.70	61.57	1.87	N111460	96	158	36	248	<0.2	
					61.57	62.55	0.98	N111461	90	509	53	502	<0.2	
62.55	63.28	0.73	BRBS	veined basalt breccia										
					62.55	63.28	0.73	N111462	89	47	23	86	<0.2	
63.28	68.28	5.00	MSBS	dark green massive basalt										
					63.28	66.14	2.86	N111463	87	77	40	98	<0.2	
					66.14	68.28	2.14	N111464	94	75	42	108	<0.2	
68.28	88.19	19.91	MSBS	chloritized basalt										

SYNOPTIC LOG
FINLAYSON PROJECT

Hole: IC96-15 Property: Ice

EXPATRIATE RESOURCES LTD.

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
				- base of weathering at 77.4m	68.28	69.80	1.52	N111465	93	89	41	88	<0.2	
					69.80	71.32	1.52	N111466	95	76	39	88	<0.2	
					71.32	74.37	3.05	N111467	92	83	34	84	<0.2	
					86.56	88.29	1.73	N111468	81	84	33	84	<0.2	
88.29	89.55	1.36	BRBS	chloritized basalt										
					88.29	89.55	1.26	N111469	92	77	36	98	<0.2	
				EOH										

SYNOPTIC LOG
FINLAYSON PROJECT
EXPATRIATE RESOURCES LTD.

Hole: IC96-16 Property: Ice Section: 11100N

Easting:	Northing:	Elevation:	Depth:
376620	6862648	1285	53.64

Logged by: A. Burgert

Drilling Dates: Sept. 18 - 20, 1996

Depth	Azimuth	Dip	Method
0.00	308°	-50°	brunton
53.80		-50°	acid

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	1.83	1.83	CSDH	casing										
1.83	3.66	1.83	OBDH	sand										
3.66	5.64	1.98	BCDH	broken rubble										
				- jarosite and HE common	3.66	5.64	1.98	N111470	30	0.09%	31	204	<0.2	
5.64	18.15	12.51	BRBS	chloritized breccia basalt										
				- minor malachite and LI	5.64	6.40	0.76	N111471	88	0.10%	26	180	<0.2	
				- rare azurite	6.40	8.84	2.44	N111472	79	0.20%	39	340	<0.2	
					8.84	10.67	1.83	N111473	78	0.24%	38	410	<0.2	
					10.67	12.50	1.83	N111474	86	0.22%	39	490	<0.2	
					12.50	13.72	1.22	N111475	100	0.36%	35	392	<0.2	
					13.72	15.85	2.13	N111476	93	0.37%	32	250	<0.2	
					15.85	18.15	2.30	N111477	84	0.43%	33	346	<0.2	<5
18.15	20.42	2.27	BRBS	limonitic breccia basalt										
				- LI common	18.15	20.42	2.27	N111478	44	0.25%	129	358	0.4	35
20.42	22.10	1.68	PYMS	massive pyrite										
				- minor chalcocite veining	20.42	22.10	1.68	N111479	97	0.66%	336	400	1.4	130
22.10	30.75	8.65	FBST	rubbly fault breccia										
				- LI on fractures	22.10	23.77	1.67	N111480	59	0.81%	199	530	0.2	50
					23.77	26.21	2.44	N111481	87	2.12%	154	290	0.4	30
					26.21	27.58	1.37	N111482	91	2.40%	113	386	0.4	20
					27.58	28.96	1.38	N111483	93	1.95%	92	2300	<0.2	
					28.96	30.75	1.79	N111484	80	0.26%	260	6370	<0.2	
30.75	42.75	12.00	BRBS	chloritized breccia basalt										
				- intense Mn oxide on fractures	30.75	32.00	1.25	N111485	99	0.20%	119	1320	<0.2	
					32.00	33.07	1.07	N111486	89	146	66	732	<0.2	
					33.07	34.14	1.07	N111597	89	76	29	82	<0.2	
					34.14	35.51	1.37	N111598	95	71	26	74	0.2	
					35.51	37.03	1.52	N111599	99	73	28	74	<0.2	
					37.03	38.56	1.53	N111600	99	73	26	68	<0.2	
					38.56	39.93	1.37	N111601	99	65	27	74	<0.2	
					39.93	40.84	0.91	N111602	70	68	30	78	0.2	
					40.84	42.75	1.91	N111603	66	72	27	76	0.2	

SYNOPTIC LOG
FINLAYSON PROJECT
EXPATRIATE RESOURCES LTD.

Hole: IC96 - 16

Property: Ice

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
42.75	45.60	2.85	BRBS	veined breccia basalt										
				- quartz + calcite veins	42.75	43.65	0.90	N111604	100	69	27	70	<0.2	
45.60	53.64	8.04	MSBS	chloritized massive basalt										
				- occasional Mn oxide veins										
				EOH										

SYNOPTIC LOG
FINLAYSON PROJECT
EXPATRIATE RESOURCES LTD.

Hole: IC96-17 **Property:** Ice **Section:** 11000N

Easting:	Northing:	Elevation:	Depth:
376567	6862555	1268	64.62

Logged by: A. Burgert
Drilling Dates: Sept. 21 - 23, 1996

Depth	Azimuth	Dip	Method
0.00	308°	-50°	brunton
64.62		-48°	acid

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	1.22	1.22	CSDH	casing										
1.22	12.00	10.78	BRBS	chloritic breccia basalt										
				- LI + HE common on fractures	1.22	3.51	2.29	N111487	82	0.21%	32	204	<0.2	<5
				- MA common on fractures	3.51	5.79	2.28	N111488	100	0.24%	34	186	<0.2	<5
					5.79	8.23	2.44	N111489	92	0.42%	49	436	<0.2	<5
					8.23	9.75	1.52	N111490	99	0.35%	45	294	<0.2	<5
					9.75	12.00	2.25	N111491	99	0.21%	33	148	<0.2	<5
12.00	22.00	10.00	BRBS	chloritic breccia basalt										
				- LI + HE common on fractures	12.00	14.48	2.48	N111492	92	0.35%	53	358	<0.2	<5
				- MA common on fractures	14.48	17.07	2.59	N111493	70	0.21%	36	212	<0.2	<5
					17.07	18.59	1.52	N111494	88	0.53%	48	440	<0.2	<5
					18.59	20.12	1.53	N111495	99	0.34%	50	562	<0.2	<5
					20.12	22.00	1.88	N111496	100	0.28%	91	1325	<0.2	<5
22.00	23.32	1.32	GGST	fault gouge										
				- limonitic	22.00	23.32	1.32	N111497	64	1.61%	155	3330	0.2	<5
23.32	29.57	6.25	BRBS	chloritic breccia basalt										
				- *minor HE on fractures*	23.32	24.99	1.67	N111498	87	0.19%	113	1630	<0.2	<5
					24.99	26.52	1.53	N111499	94	0.17%	91	714	<0.2	<5
					26.52	28.04	1.52	N111500	93	83	62	276	<0.2	
					28.04	29.57	1.53	N111501	94	70	67	516	0.2	
29.57	44.20	14.63	BRBS	coarse chloritic breccia basalt										
44.20	46.15	1.95	MSBS	chloritic massive basalt										
46.15	59.45	13.30	BRBS	chloritic breccia basalt										
59.45	64.62	5.17	MSBS	chloritic basalt										
				EOH										

SYNOPTIC LOG
FINLAYSON PROJECT
EXPATRIATE RESOURCES LTD.

Hole: IC96-18 Property: Ice Section: 11200N

Easting:	Northing:	Elevation:	Depth:
376680	6862729	1302	77.42

Logged by: A. Burgert
Drilling Dates: Sept. 22 - 25, 1996

Depth	Azimuth	Dip	Method
0.00	305°	-50°	brunton
77.42		-50°	acid

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	4.88	4.88	CSDH	casing										
4.88	16.16	11.28	BRBS	breccia basalt rubble										
				- HE and LI common on fractures	0.00	9.45	9.45	N111502	8	776	31	212	1.2	
					9.45	14.02	4.57	N111503	11	0.14%	31	550	0.6	<5
					14.02	16.16	2.14	N111504	56	0.13%	28	652	0.2	15
16.16	21.22	5.06	BRBS	hematitic breccia basalt										
				- occasional pyrite grains and LI	16.16	17.98	1.82	N111505	80	0.14%	36	864	0.2	15
					17.98	19.51	1.53	N111506	84	0.65%	55	458	2.8	40
					19.51	21.22	1.71	N111507	80	0.28%	44	622	1.0	25
21.22	24.22	3.00	BRBS	chloritic breccia basalt										
					21.22	22.56	1.34	N111508	96	0.40%	42	538	0.8	60
					22.56	24.22	1.66	N111509	100	0.36%	37	494	0.6	30
24.22	27.03	2.81	MSBS	chloritic massive basalt										
				- occasional HE veins	24.22	25.60	1.38	N111510	99	0.27%	40	822	0.2	15
					25.60	27.03	1.43	N111511	98	0.25%	41	1010	<0.2	10
27.03	29.70	2.67	BRBS	pyritic breccia basalt										
				matrix of chlorite and pyrite ± HE	27.03	28.65	1.62	N111512	100	1.18%	58	946	1.6	90
					28.65	29.70	1.05	N111513	100	1.05%	58	530	1.4	80
29.70	30.24	0.54	PYMS	massive pyrite										
					29.70	30.24	0.54	N111514	61	2.03%	177	202	4.4	160
30.24	34.75	4.51	MSBS	fractured chloritic massive basalt										
				- occasional weak HE	30.24	32.31	2.07	N111515	89	0.19%	41	610	0.2	<5
				- occasional cuprite on fractures	32.31	34.75	2.44	N111516	47	0.10%	42	518	0.6	<5
34.75	36.27	1.52	BRBS	pyritic breccia basalt										
				- disseminated pyrite	34.75	36.27	1.52	N111517	100	1.00%	190	790	1.0	15
36.27	43.10	6.83	BRBS	chloritic breccia basalt										
				- minor weak HE staining	36.27	37.80	1.53	N111518	82	0.19%	70	788	<0.2	<5
					37.80	39.32	1.52	N111519	92	0.20%	71	1125	<0.2	<5
					39.32	40.84	1.52	N111520	97	0.09%	60	730	0.2	<5
					40.84	43.10	2.26	N111521	81	0.23%	64	1265	1.6	25
43.10	54.56	11.46	BRBS	chloritic breccia basalt										
				- pyrite disseminations common	43.10	45.42	2.32	N111522	86	0.27%	88	1275	<0.2	<5

SYNOPTIC LOG Hole: IC96-18 Property: Ice

FINLAYSON PROJECT

EXPATRIATE RESOURCES LTD.

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
				- occasional HE veins	45.42	46.94	1.52	N111523	99	0.09%	43	804	0.6	10
					46.94	48.46	1.52	N111524	100	0.14%	49	826	0.8	10
					48.46	49.99	1.53	N111525	98	0.10%	63	874	0.4	<5
					49.99	51.51	1.52	N111526	97	0.29%	94	738	0.6	10
					51.51	53.04	1.53	N110223	93	105	34	370	<0.2	
					53.04	54.56	1.52	N110224	98	148	41	388	<0.2	
54.56	58.85	4.29	MSBS	fractured basalt										
				- base of weathering at 55.04m	54.56	56.08	1.52	N110225	99	84	27	102	<0.2	
					56.08	58.85	2.77	N110226	91	72	26	130	<0.2	
58.85	61.87	3.02	BRBS	chloritic breccia basalt										
					58.85	60.35	1.50	N110227	93	154	27	228	<0.2	
					60.35	61.87	1.52	N110228	94	80	30	86	<0.2	
61.87	62.60	0.73	EPVN	epidote vein										
					61.87	64.92	3.05	N110229	98	71	30	110	<0.2	
62.60	68.37	3.77	BRBS	chloritic breccia basalt										
					64.92	66.45	1.53	N110230	99	107	34	112	<0.2	
					66.45	68.37	1.92	N110231	82	79	31	156	<0.2	
68.37	69.90	3.53	FBST	fault breccia										
					68.37	69.90	1.53	N110232	99	79	77	642	<0.2	
69.90	73.50	3.60	BRBS	chloritic breccia basalt										
					69.90	71.32	1.42	N110233	100	79	35	102	<0.2	
					71.32	73.50	2.18	N110234	92	81	29	76	<0.2	
73.50	77.42	3.92	FBST	veined fault breccia										
				- quartz + calcite veins	73.50	74.37	0.87	N110235	80	28	19	54	<0.2	
				EOH										

SYNOPTIC LOG
FINLAYSON PROJECT
EXPATRIATE RESOURCES LTD.

Hole: IC96-19 Property: Ice Section: 10700N

Easting:	Northing:	Elevation:	Depth:
376390	6862324	1199	58.83

Logged by: A. Burgert
Drilling Dates: Sept. 24 - 26, 1996

Depth	Azimuth	Dip	Method
0.00	308°	-50°	brunton
58.83		-49°	acid

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	1.83	1.83	CSDH	casing										
1.83	5.18	3.35	OBDH	sand										
				- no recovery										
5.18	14.94	9.76	BCDH	overburden and rubble										
					5.18	12.80	7.62	N111527	12	95	14	118	<0.2	
					12.80	14.94	2.14	N111528	49	133	30	104	<0.2	
14.94	58.83	43.89	MSBS	massive basalt										
					14.94	16.76	1.82	N111529	81	75	29	72	<0.2	
					16.76	19.05	2.29	N111530	77	77	32	80	<0.2	
					19.05	21.95	2.90	N111531	71	61	35	102	<0.2	
					21.95	23.73	1.78	N111532	84	45	31	82	<0.2	
				EOH										

SYNOPTIC LOG
FINLAYSON PROJECT
EXPATRIATE RESOURCES LTD.

Hole: IC96-20 Property: Ice Section: 11200N

Easting:	Northing:	Elevation:	Depth:
376645	6862753	1317	63.70

Logged by: A. Burgert
Drilling Dates: Sept. 26 - 30, 1996

Depth	Azimuth	Dip	Method
0.00	310°	-50°	brunton
63.70		-51°	acid

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	1.22	1.22	CSDH	casing										
1.22	7.30	6.08	PHBSm	porphyritic basalt										
				- HE + LI on all fractures	0.00	5.49	5.49	N111533	26	609	29	266	<0.2	
				- occasional MA on fractures	5.49	7.30	1.81	N111534	69	0.15%	29	428	<0.2	<5
7.30	10.36	3.06	BRBS	chloritized breccia basalt										
				- HE + LI + Mn oxide on all fractures	7.30	8.23	0.93	N111535	100	0.21%	31	426	<0.2	5
				- occasional MA on fractures	8.23	10.36	2.13	N111536	44	0.28%	66	1050	<0.2	<5
10.36	15.80	5.44	FBST	fault breccia										
				- LI common as matrix and fracture coating	10.36	13.41	3.05	N111537	55	0.39%	97	1830	<0.2	<5
					13.41	15.80	2.39	N111538	72	0.62%	71	1830	<0.2	<5
15.80	24.08	8.28	BRBS	chloritized breccia basalt										
				- rare MA on fractures	15.80	17.37	1.57	N111539	100	0.37%	61	1190	<0.2	<5
				- HE + LI on fractures	17.37	19.96	2.59	N111540	24	0.47%	59	878	<0.2	20
					19.96	21.96	2.00	N111541	64	0.46%	59	836	<0.2	<5
					21.96	24.08	2.12	N111542	83	0.17%	82	1535	<0.2	<5
24.08	37.50	13.42	BRBS	pyritic breccia basalt										
				- matrix of pyrite + chlorite	24.08	27.13	3.05	N111543	63	0.58%	35	778	1.6	30
				- HE + LI on fractures	27.13	30.18	3.05	N111544	59	0.36%	102	550	0.6	10
					30.18	33.22	3.04	N111545	88	0.29%	80	420	0.6	15
					33.22	36.27	3.05	N111546	85	0.10%	48	514	<0.2	<5
					36.27	37.50	1.23	N111547	81	0.13%	60	494	<0.2	5
37.50	41.45	3.95	FBST	cuprous fault breccia										
				- HE + LI on fractures	37.50	39.32	1.82	N111548	56	0.34%	54	1415	0.2	<5
				-rare cuprite on fractures	39.32	41.45	2.13	N111549	86	0.28%	77	1430	0.2	<5
41.45	48.20	6.75	BRBS	chloritized breccia basalt										
					41.45	43.13	1.68	N111550	83	0.04%	43	682	<0.2	<5
					43.13	45.42	2.29	N110215	95	0.02%	28	454	0.4	<5
					45.42	48.20	2.78	N110216	38	0.22%	59	1535	3.8	100
48.20	51.10	2.90	BRBS	pyritic breccia basalt										
				- pyrite common as disseminations and bands	48.20	49.99	1.79	N110217	93	0.45%	215	1465	1.0	25
				- locally up to 2% chalcopyrite	49.99	51.10	1.11	N110218	90	0.32%	104	1260	0.6	20
51.10	54.95	3.85	BRBS	mottled breccia basalt										

SYNOPTIC LOG
FINLAYSON PROJECT

Hole: IC96-20

Property: Ice

EXPATRIATE RESOURCES LTD.

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
					51.10	52.73	1.63	N110219	100	128	38	194	<0.2	
					52.73	54.95	2.22	N110220	99	106	26	100	<0.2	
54.95	63.70	8.75	MSBS	fractured chloritized basalt										
					54.95	56.82	1.87	N110221	70	87	27	98	<0.2	
					56.82	58.52	1.70	N110222	76	72	25	78	<0.2	
				EOH										

SYNOPTIC LOG
FINLAYSON PROJECT
EXPATRIATE RESOURCES LTD.

Hole: IC96-21   Property: Ice   Section: 10950N

Easting:	Northing:	Elevation:	Depth:
376582	6862507	1257	46.33

Logged by: A. Burgert
Drilling Dates: Sept. 27 - 28, 1996

Depth	Azimuth	Dip	Method
0.00	312°	-50°	brunton
46.33		-49°	acid

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	2.44	2.44	CSDH	casing										
2.44	3.66	1.22	OBDH	gravel										
3.66	12.00	8.34	BRBS	limonitic breccia basalt										
				- HE, LI, Mn oxide on all fractures	3.66	6.25	2.59	N111551	76	0.26%	18	150	<0.2	<5
					6.25	7.92	1.67	N111552	64	0.27%	20	154	<0.2	<5
					7.92	9.75	1.83	N111553	82	0.43%	29	162	<0.2	<5
					9.75	12.00	2.25	N111554	96	0.16%	27	170	<0.2	<5
12.00	14.32	2.32	FBST	limonitic fault breccia										
				- strong HE + LI staining	12.00	14.32	2.32	N111555	76	0.15%	7	66	<0.2	<5
14.32	15.85	1.53	MSCH	black chert										
				- HE, LI on fractures	14.32	15.85	1.53	N111556	43	0.14%	8	150	<0.2	<5
15.85	21.00	5.15	BRCH	gray chert breccia										
				- HE, LI on fractures	15.85	18.49	5.15	N111557	28	0.11%	4	54	<0.2	<5
					18.49	21.00	2.51	N111558	30	0.07%	12	128	<0.2	<5
21.00	23.01	2.01	FBST	black fault breccia										
				- minor LI on fractures	21.00	23.01	2.01	N111559	46	0.08%	4	122	0.2	<5
23.01	27.84	4.83	BRCH	gray chert breccia										
				- minor LI on fractures	23.01	24.69	1.68	N111560	68	0.20%	6	78	<0.2	<5
				- rare cuprite on fractures	24.69	25.60	0.91	N111561	74	376	4	68	<0.2	
					25.60	27.84	2.24	N111562	57	687	5	106	<0.2	
27.84	31.40	3.56	FBST	black fault breccia										
					27.84	31.40	3.56	N111563	30	881	9	176	<0.2	
31.40	35.50	4.10	MSCH	massive gray chert										
35.50	46.30	10.80	MSCH	massive black chert										
				EOH										

SYNOPTIC LOG
FINLAYSON PROJECT
EXPATRIATE RESOURCES LTD.

Hole: IC96-22 Property: Ice Section: 11000N

Easting:	Northing:	Elevation:	Depth:
376522	6862596	1278	44.50

Logged by: A. Burgert

Drilling Dates: Sept. 29 - Oct. 1, 1996

Depth	Azimuth	Dip	Method
0.00	308	-50°	brunton
44.50		-47°	acid

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	1.22	1.22	CSDH	casing										
1.22	6.10	4.88	MSBS	massive basalt										
				- weak LI on fractures	4.60	4.70	0.10	N111564	100	177	5	94	<0.2	
					4.70	6.10	1.40	N111565	44	1310	47	318	<0.2	
6.10	7.77	1.67	GGST	fault gouge										
				- weak LI staining	6.10	7.77	1.67	N111566	56	520	123	476	<0.2	
7.77	8.23	0.46	EPVN	epidote vein										
					7.77	8.23	0.46	N111567	80	62	48	216	<0.2	
8.23	19.60	11.37	FBST	fault breccia										
				- weak LI and HE on fractures	8.23	10.06	1.83	N111568	100	199	64	250	<0.2	
					10.06	12.50	2.44	N111569	82	89	41	136	<0.2	
					12.50	15.54	3.04	N111570	58	102	45	158	<0.2	
					15.54	17.68	2.14	N111571	92	66	35	92	<0.2	
					17.68	19.60	1.92	N111572	90	59	28	84	<0.2	
19.60	28.50	8.90	BRBS	breccia basalt										
				- weak HE staining	19.60	21.64	2.04	N111573	34	70	39	116	<0.2	
					24.50	24.99	0.49	N111574	98	69	25	114	<0.2	
28.50	38.70	10.20	BRBS	breccia basalt										
38.70	44.50	8.85	MSBS	massive basalt										
				EOH										

SYNOPTIC LOG
FINLAYSON PROJECT
EXPATRIATE RESOURCES LTD.

Hole: IC96-23 Property: Ice Section: 11200N

Easting:	Northing:	Elevation:	Depth:
376606	6862783	1335	104.85

Logged by: A. Burgert

Drilling Dates: Oct. 1 - 6, 1996

Depth	Azimuth	Dip	Method
0.00	307	-50°	brunton
104.85		-51°	acid

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	1.83	1.83	CSDH	casing										
1.83	19.00	17.17	BRBS	chloritic breccia basalt										
					0.00	4.27	4.27	N111575	30	0.14%	36	524	0.2	<5
					4.27	5.79	1.52	N111576	92	0.12%	48	396	0.2	<5
					5.79	7.32	1.53	N111577	99	0.11%	45	292	0.2	<5
					7.32	8.84	1.52	N111578	98	0.13%	50	306	0.2	<5
					8.84	10.97	2.13	N111579	47	0.25%	55	518	0.6	10
					10.97	12.95	1.98	N111580	57	0.37%	43	602	1.4	25
					12.95	14.94	1.99	N111581	68	0.33%	49	886	0.4	10
					14.94	17.37	2.43	N111582	75	464	47	392	<0.2	
					17.37	19.00	1.63	N111583	94	90	35	118	<0.2	
19.00	22.60	3.60	BRBS	chloritic breccia basalt										
					19.00	20.73	1.73	N111584	94	80	34	90	<0.2	
					20.73	22.60	1.87	N111585	100	84	33	116	<0.2	
22.60	33.22	10.62	FBST	chloritic fault breccia										
					22.60	25.91	3.31	N111586	92	74	39	118	<0.2	
33.22	45.72	12.50	BRBS	chloritic breccia basalt										
45.72	76.50	30.78	MSBS	massive basalt										
76.50	84.75	8.25	BRBS	chloritic breccia basalt										
84.75	104.85	20.10	MSBS	massive basalt										
				EOH										

SYNOPTIC LOG
FINLAYSON PROJECT
EXPATRIATE RESOURCES LTD.

Hole: IC96-24 | Property: Ice | Section: 11000N |

Easting:	Northing:	Elevation:	Depth:
376472	6862632	1290	78.03

Logged by: A. Burgert
Drilling Dates: Oct. 2 - 6, 1996

Depth	Azimuth	Dip	Method
0.00	305°	-50°	brunton
78.03		-49°	acid

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	1.22	1.22	CSDH	casing										
1.22	18.70	17.48	MSBS	massive basalt										
				- HE + LI on fractures	0.00	2.13	2.13	N111587	80	62	28	82	0.2	
					2.13	4.42	2.29	N111588	86	57	25	82	0.2	
					4.42	6.71	2.29	N111589	82	58	25	80	<0.2	
					6.71	9.14	2.43	N111590	63	58	25	80	0.2	
					9.14	11.43	2.29	N111591	93	61	25	88	0.2	
					11.43	13.41	1.98	N111592	96	61	26	86	<0.2	
					13.41	15.54	2.13	N111593	69	74	25	84	<0.2	
					15.54	16.76	1.22	N111594	96	118	27	160	0.2	
					16.76	18.70	1.94	N111595	89	84	28	150	<0.2	
18.70	26.21	7.51	MSBS	massive basalt										
				- HE on fractures	18.70	21.03	2.33	N111596	58	170	26	634	0.2	
26.21	45.44	19.23	MSBS	massive basalt										
45.44	54.05	8.61	BRCH	dark gray brecciated chert										
54.05	54.16	0.11	SLST	siltstone										
54.16	73.45	19.29	BRCH	dark gray brecciated chert										
73.45	74.05	0.60	MSCH	gray chert										
74.05	78.03	3.98	MSCH	graphitic chert										
				EOH										

SYNOPTIC LOG
FINLAYSON PROJECT
EXPATRIATE RESOURCES LTD.

Hole: IC96-25 | Property: Ice | Section: 10950N

Easting:	Northing:	Elevation:	Depth:
376533	6862527	1259	51.82

Logged by: A. Burgert
Drilling Dates: Oct. 6 - 8, 1996

Depth	Azimuth	Dip	Method
0.00		-90°	brunton
51.82		-89°	acid

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	1.22	1.22	CSDH	casing										
1.22	15.24	14.02	MSBS	fractured basalt										
				- LI + HE on fractures	1.22	7.62	6.40	N111605	8	0.13%	32	284	0.2	<5
					7.62	9.75	2.13	N111606	77	0.33%	88	898	<0.2	<5
					9.75	11.58	1.83	N111607	76	0.34%	72	750	0.2	<5
					11.58	15.24	3.66	N111608	20	0.35%	56	642	<0.2	<5
15.24	16.78	1.54	GGST	limonitic fault gouge										
				- strong orange LI	15.24	16.78	1.54	N111609	26	0.38%	100	982	<0.2	<5
16.78	18.90	2.12	LCDH	no recovery										
18.90	32.26	13.36	BRBS	chloritic breccia basalt										
				- weak LI + HE on fractures	18.90	21.03	4.25	N111610	42	0.80%	93	1075	<0.2	<5
				- occasional minor MA on fractures	21.03	23.47	2.44	N111611	84	0.12%	131	944	<0.2	<5
				- rare cuprite on fracture	23.47	25.60	2.13	N111612	88	326	61	498	<0.2	
					25.60	27.43	1.83	N111613	97	122	48	374	<0.2	
					27.43	29.56	2.13	N111614	88	117	38	398	<0.2	
					29.56	32.26	2.70	N111615	97	87	36	364	<0.2	
32.26	41.15	8.89	FBST	fault breccia + gouge										
				- HE on fractures	32.26	34.75	2.49	N111616	100	77	45	186	<0.2	
					34.75	38.56	3.81	N111617	80	131	49	408	<0.2	
					38.56	41.15	2.59	N111618	80	60	20	116	<0.2	
41.15	44.20	3.05	BRCH	brecciated chert										
				- rare disseminated pyrite	41.15	42.06	0.91	N111619	99	51	13	100	<0.2	
					42.06	44.20	2.14	N111620	72	63	14	66	<0.2	
44.20	45.72	1.52	LCDH	fault										
45.72	51.82	6.10	MSCH	massive black chert										
					45.72	47.24	3.04	N111621	95	46	6	44	<0.2	
					47.24	48.77	1.53	N111622	95	61	6	24	<0.2	
				EOH										

SYNOPTIC LOG
FINLAYSON PROJECT
EXPATRIATE RESOURCES LTD.

Hole: IC96-26 Property: Ice Section: 11200N

Easting:	Northing:	Elevation:	Depth:
376570	6862813	1358	56.39

Logged by: A. Burgert
Drilling Dates: Oct. 8 - 10, 1996

Depth	Azimuth	Dip	Method
0.00	308°	-50°	brunton
56.39		-49°	acid

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	1.83	1.83	CSDH	casing										
1.83	11.28	9.45	MSBS	chloritic massive basalt										
				- weak LI on some fractures	0.00	5.49	5.49	N111623	36	72	20	66	<0.2	
					5.49	9.45	3.96	N111624	39	69	22	68	<0.2	
					9.45	11.28	1.83	N111625	95	354	35	132	<0.2	
11.28	15.54	4.26	FBST	fault breccia										
				- strong LI alteration	11.28	13.40	2.12	N111626	90	0.32%	57	448	1.8	40
				- HE on fractures	13.40	15.54	2.14	N111627	91	0.21%	48	586	0.8	20
15.54	20.72	5.18	MSBS	chloritic massive basalt										
				- LI + HE on fractures	15.54	17.98	2.44	N111628	98	212	27	244	0.2	
					17.98	20.72	2.74	N111629	92	92	24	180	<0.2	
20.72	36.42	15.70	BRBS	chloritic breccia basalt										
				- weak LI + HE on fractures	20.72	22.86	2.14	N111630	83	76	25	92	0.2	
					22.86	24.99	2.13	N111631	94	76	26	66	<0.2	
					24.99	26.52	1.53	N111632	78	78	25	52	<0.2	
					26.52	28.04	1.52	N111633	99	79	25	56	<0.2	
					28.04	29.57	1.53	N111634	97	63	21	42	<0.2	
36.42	56.39	19.97	MSBS	chloritic massive basalt										
				EOH										

SYNOPTIC LOG
FINLAYSON PROJECT
EXPATRIATE RESOURCES LTD.

Hole: IC96-27 Property: Ice Section: 10950N

Easting:	Northing:	Elevation:	Depth:
376534	6862526	1259	46.33

Logged by: A. Burgert
Drilling Dates: Oct. 9 - 10, 1996

Depth	Azimuth	Dip	Method
0.00	310	-50°	brunton
46.33		-50°	acid

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	1.83	1.83	CSDH	casing										
1.83	23.25	21.42	BRBS	chloritic breccia basalt										
				- strong LI + HE on fractures	1.83	3.96	2.13	N111635	65	0.13%	30	362	0.2	<5
				- occasional MA on fractures	3.96	5.49	1.53	N111636	58	0.10%	19	368	0.8	<5
				- occasional cuprite on fractures	5.49	9.75	4.26	N111637	30	0.18%	30	386	0.2	<5
					9.75	11.58	1.83	N111638	91	0.38%	40	308	<0.2	<5
					11.58	14.33	2.75	N111639	55	0.14%	25	154	<0.2	<5
					14.33	15.85	1.52	N111640	63	0.17%	30	162	<0.2	<5
					15.85	18.90	3.05	N111641	86	0.25%	34	244	<0.2	<5
					18.90	21.34	2.44	N111642	90	0.20%	34	202	<0.2	<5
					21.34	23.25	1.91	N111643	94	0.15%	64	494	<0.2	<5
23.25	27.85	4.60	FBST	fault breccia + gouge										
				- strong LI + HE on fractures	23.25	24.84	1.59	N111644	97	0.22%	60	498	<0.2	<5
				- occasional MA on fractures	24.84	26.82	1.98	N111645	99	0.38%	67	542	<0.2	<5
					26.82	27.85	1.03	N111646	78	0.79%	474	5240	<0.2	<5
27.85	32.40	4.55	BRBS	chloritic breccia basalt										
				- weak LI + HE on fractures	27.85	29.57	1.72	N111647	69	114	90	632	<0.2	
					29.57	30.94	1.37	N111648	94	71	38	152	<0.2	
					30.94	32.46	1.52	N111649	100	93	63	448	<0.2	
32.40	45.00	12.60	FBST	fault breccia + gouge										
					32.46	33.53	1.07	N111650	97	86	141	1260	<0.2	
					33.53	35.36	1.83	N111651	98	51	73	486	<0.2	
					35.36	37.19	1.83	N111652	95	54	56	66	<0.2	
					37.19	38.71	1.52	N111653	91	68	47	106	<0.2	
					38.71	40.84	2.13	N111654	87	63	36	150	<0.2	
					40.84	43.89	3.05	N111655	50	62	21	104	<0.2	
45.00	46.33	1.33	BRCH	graphitic brecciated chert										
				EOH										

SYNOPTIC LOG
FINLAYSON PROJECT
EXPATRIATE RESOURCES LTD.

Hole: IC96-28 Property: Ice Section: 11400N

Easting:	Northing:	Elevation:	Depth:
376831	6862862	1318	85.04

Logged by: A. Burgert
Drilling Dates: Oct. 11 - 15, 1996

Depth	Azimuth	Dip	Method
0.00	303	-50°	brunton

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	1.22	1.22	CSDH	casing										
1.22	5.18	3.96	MSBS	chloritic massive basalt										
				- weak HE on fractures	1.22	3.05	1.83	N111656	95	62	34	94	<0.2	
					3.05	5.18	2.13	N111657	95	59	39	118	<0.2	
5.18	8.45	3.27	FBST	magnetic fault breccia + gouge										
					5.18	8.45	3.27	N111658	71	42	16	48	<0.2	
8.45	16.60	8.15	MSBS	chloritic massive basalt										
				- weak LI + HE on fractures	8.45	11.28	2.83	N111659	85	70	33	102	<0.2	
					11.28	12.80	1.52	N111660	98	74	37	94	<0.2	
					12.80	14.33	1.53	N111661	100	71	35	98	<0.2	
					14.33	16.60	2.27	N111662	89	77	32	92	<0.2	
16.60	18.90	2.30	BRBS	hematitic basalt breccia										
				- strong LI staining	16.60	18.90	2.30	N111663	91	93	19	74	<0.2	
18.90	57.00	38.10	MSBS	chloritic massive basalt										
					18.90	20.42	1.52	N111664	99	64	33	106	<0.2	
					20.42	21.95	1.53	N111665	97	55	29	94	<0.2	
					21.95	23.47	1.52	N111666	93	62	28	88	<0.2	
57.00	66.45	9.45	BRBS	chloritic breccia basalt										
66.45	69.45	3.00	FBST	chloritic fault breccia + gouge										
69.45	85.04	15.59	BRBS	chloritic breccia basalt										
				EOH										

SYNOPTIC LOG
FINLAYSON PROJECT
EXPATRIATE RESOURCES LTD.

Hole: IC96-29 Property: Ice Section: 11300N

Easting:	Northing:	Elevation:	Depth:
376777	6862777	1307	65.84

Logged by: A. Burgert
Drilling Dates: Oct. 12 - 15, 1996

Depth	Azimuth	Dip	Method
0.00	303°	-50°	brunton
65.84		-51°	acid

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	1.83	1.83	CSDH	casing										
1.83	3.50	1.67	MSBS	chloritic massive basalt										
				- HE on fractures	1.83	3.50	1.67	N111667	66	76	28	90	<0.2	
3.50	5.33	1.83	FBST	fault breccia + gouge										
				- HE + LI on fractures	3.50	5.33	1.83	N111668	87	50	28	74	<0.2	
5.33	8.22	2.89	MSBS	chloritic massive basalt										
				- HE + LI on fractures	5.33	7.01	1.68	N111669	86	66	29	82	<0.2	
					7.01	8.22	1.21	N111670	76	67	26	78	<0.2	
8.22	15.85	7.63	FBST	fault breccia + gouge										
				- strong HE + LI staining	8.22	10.21	1.99	N111671	90	78	26	94	<0.2	
					10.21	13.11	2.90	N111672	62	0.19%	66	978	<0.2	<5
					13.11	15.85	2.74	N111673	93	0.40%	70	1145	<0.2	<5
15.85	24.38	8.53	MSBS	fractured basalt										
				- HE + LI on fractures	15.85	17.75	1.90	N111674	97	0.17%	58	1030	<0.2	<5
				- cuprite on fractures	17.75	19.20	1.45	N111675	79	0.05%	37	354	<0.2	<5
				- rare native Cu on fractures	19.20	20.73	1.53	N111676	86	0.30%	43	446	<0.2	<5
					20.73	21.95	1.22	N111677	82	0.95%	57	1240	<0.2	<5
					21.95	23.16	1.21	N111678	92	0.20%	29	272	<0.2	<5
					23.16	24.38	1.22	N111679	72	0.30%	36	514	<0.2	<5
24.38	25.70	1.32	FBST	fault breccia + gouge										
				- LI on fractures	24.38	25.70	1.32	N111680	55	1.04%	69	848	1.6	100
25.70	26.97	1.27	PYMS	massive pyrite + hematite										
				- HE + LI on fractures	25.70	26.97	1.27	N111681	85	1.99%	437	768	8.4	570
26.97	28.15	1.18	BRBS	chloritic breccia basalt										
				- HE + LI on fractures	26.97	28.15	1.18	N111682	56	0.89%	35	572	<0.2	10
28.15	44.75	16.60	PHBSm	chloritic porphyrytic basalt										
				- HE + LI on fractures	28.15	29.41	1.26	N111683	102	0.46%	70	1905	<0.2	<5
				- cuprite on fractures	29.41	30.94	1.53	N111684	93	0.09%	63	1380	<0.2	<5
					30.94	32.31	1.37	N111685	93	0.20%	54	788	<0.2	<5
					32.31	33.83	1.52	N111686	93	0.42%	60	860	<0.2	<5
					33.83	35.51	1.68	N111687	101	0.06%	36	270	<0.2	<5

FINLAYSON PROJECT

EXPATRIATE RESOURCES LTD.

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
					35.51	37.03	1.52	N111688	98	0.03%	33	140	<0.2	<5
					37.03	38.56	1.53	N111689	97	0.06%	39	260	<0.2	<5
					38.56	40.69	2.13	N111690	61	0.09%	46	528	<0.2	<5
					40.69	42.37	1.68	N111691	91	73	27	212	<0.2	
					42.37	44.75	2.38	N111692	92	79	34	276	<0.2	
44.75	53.00	8.25	BRBS	chloritic breccia basalt										
				- HE + LI on fractures	44.75	46.33	1.58	N111693	84	122	91	1845	<0.2	
					46.33	47.40	1.07	N111694	79	122	69	1155	<0.2	
					47.40	48.92	1.52	N111695	89	134	62	1390	<0.2	
					48.92	50.44	1.52	N111696	99	90	24	92	<0.2	
					50.44	53.00	2.56	N111697	92	368	36	168	<0.2	
53.00	65.84	12.84	BRBS	magnetic breccia basalt										
					53.00	55.17	2.17	N111698	97	84	23	152	<0.2	
					55.17	56.85	1.68	N111699	93	80	22	212	<0.2	
					56.85	58.52	1.67	N111700	92	84	22	322	<0.2	
					58.52	60.05	1.53	N111701	101	384	33	1025	0.8	
				EOH										

SYNOPTIC LOG
FINLAYSON PROJECT
EXPATRIATE RESOURCES LTD.

Hole: IC96-30 Property: Ice Section: 11400N

Easting:	Northing:	Elevation:	Depth:
376894	6862812	1291	82.30

Logged by: A. Burgert
Drilling Dates: Oct. 16 - 19, 1996

Depth	Azimuth	Dip	Method
0.00	315°	-49°	brunton
82.30	315°	-51°	acid

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	1.83	1.83	CSDH	casing										
				- bedrock recovered	0.00	2.13	2.13	N111702	53	52	19	64	<0.2	
1.83	11.28	9.45	MSBS	massive chloritic basalt										
				-LI + HE on fractures	2.13	3.66	1.53	N111703	68	52	22	80	<0.2	
					3.66	5.18	1.52	N111704	63	70	28	140	<0.2	
					5.18	7.01	1.83	N111705	85	35	17	58	<0.2	
					7.01	9.14	2.13	N111706	79	58	27	172	<0.2	
					9.14	11.28	2.14	N111707	80	58	26	200	<0.2	
11.28	12.19	0.91	GGST	fault gouge										
				- strong LI staining	11.28	12.19	0.91	N111708	84	64	30	112	<0.2	
12.19	32.61	20.42	MSBS	massive chloritic basalt										
				- LI + HE on fractures to depth of 21.50m	12.19	14.33	2.14	N111709	91	46	24	88	<0.2	
					14.33	17.37	3.04	N111710	46	53	26	88	<0.2	
					17.37	18.90	1.53	N111711	94	57	22	78	<0.2	
					18.90	20.42	1.52	N111712	98	62	23	74	<0.2	
					20.42	21.95	1.53	N111713	97	57	24	76	<0.2	
					21.95	23.47	1.52	N111714	93	62	26	106	<0.2	
					23.47	24.99	1.52	N111715	94	61	28	108	<0.2	
					24.99	26.52	1.53	N111716	96	62	26	104	<0.2	
					26.52	28.04	1.52	N111717	99	59	27	100	<0.2	
					28.04	29.57	1.53	N111718	98	61	24	88	<0.2	
					29.57	31.09	1.52	N111719	92	64	25	96	<0.2	
					31.09	32.61	1.52	N111720	93	67	34	120	<0.2	
32.61	39.70	7.09	FBST	chloritic fault breccia										
				- local strong LI staining	32.61	34.14	1.53	N111721	90	71	34	132	<0.2	
					34.14	35.66	1.52	N111722	87	16	16	88	<0.2	
					35.66	37.19	1.53	N111723	86	40	23	116	<0.2	
					37.19	39.70	2.51	N111724	92	31	23	106	<0.2	
39.70	46.10	6.40	MSBS	massive chloritic basalt										
				- HE on fractures	39.70	42.06	2.36	N111725	92	60	28	92	<0.2	
				- rare cuprite on fractures	42.06	44.20	2.14	N111726	84	59	30	96	<0.2	

FINLAYSON PROJECT

EXPATRIATE RESOURCES LTD.

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
					44.20	46.10	1.90	N111727	100	57	33	106	<0.2	
46.10	53.77	7.67	FBST	chloritic fault breccia + gouge										
					46.10	47.09	0.99	N111728	99	46	19	56	<0.2	
					47.09	48.16	1.07	N111729	87	64	35	104	<0.2	
					48.16	49.38	1.22	N111730	98	65	39	110	<0.2	
					49.38	51.05	1.67	N111731	91	60	31	84	<0.2	
					51.05	52.73	1.68	N111732	83	74	26	70	<0.2	
					52.73	53.77	1.04	N111733	99	0.04%	40	178	<0.2	<5
53.77	54.00	0.23	PYMS	massive pyrite + hematite										
					53.77	54.00	0.23	N111734	96	1.69%	496	1225	11.8	600
54.00	82.30	28.30	BRBS	magnetic breccia basalt										
					54.00	55.66	1.66	N111735	99	0.02%	31	84	<0.2	<5
					55.66	57.45	1.79	N111736	84	83	31	82	<0.2	
					57.45	59.74	2.29	N111737	96	76	29	72	<0.2	
					59.74	61.57	3.35	N111738	56	88	25	72	<0.2	
					61.57	63.09	1.52	N111739	75	71	25	72	<0.2	
					63.09	64.62	1.53	N111740	91	77	27	72	<0.2	
				EOH										

SYNOPTIC LOG
FINLAYSON PROJECT
EXPATRIATE RESOURCES LTD.

Hole: IC96-31   Property: Ice   Section: 11300N

Easting:	Northing:	Elevation:	Depth:
376736	6862805	1317	61.57

Logged by: A. Burgert
Drilling Dates: Oct. 16 - 18, 1996

Depth	Azimuth	Dip	Method
0.00	308°	-49°	brunton
61.57		-51°	acid

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	1.83	1.83	CSDH	casing										
					1.83	6.90	5.07	N111741	6	590	16	232	5.8	
1.83	4.57	2.74	BCDH	rounded rubble										
4.57	6.71	2.14	LCDH	no recovery										
6.71	7.01	0.30	BCDH	redrilled rubble										
				- LI, HE on fractures	6.90	7.01	0.11	N111742	91	68	1	28	6.0	
7.01	28.04	21.03	PHBSm	massive porphyritic basalt										
				- LI, HE on fractures	7.01	9.75	2.74	N111743	55	1405	37	572	<0.2	
					9.75	12.04	2.29	N111744	100	1470	52	756	<0.2	
					12.04	14.33	2.29	N111745	93	1925	38	316	<0.2	
					14.33	17.37	3.04	N111746	87	136	26	70	<0.2	
					17.37	19.81	2.44	N111747	99	84	29	64	<0.2	
					19.81	21.64	1.83	N111748	96	90	27	62	<0.2	
					21.64	24.08	2.44	N111749	88	55	27	66	<0.2	
					24.08	25.76	1.68	N111750	97	111	30	112	<0.2	
					25.76	28.04	2.28	N111751	97	203	33	132	<0.2	
28.04	29.56	1.52	BRBS	magnetic breccia basalt										
				- LI, HE on fractures	28.04	29.56	1.52	N111752	95	89	42	274	<0.2	
29.56	31.70	2.14	FBST	fault breccia + gouge										
				- strong LI + HE staining	29.56	31.70	2.14	N111753	85	2100	87	1255	<0.2	
31.70	40.23	8.53	BRBS	magnetic breccia basalt										
				- LI, HE on fractures	31.70	32.92	1.22	N111754	90	2110	67	1050	<0.2	
				- rare cuprite on fractures	32.92	34.14	1.22	N111755	97	115	33	102	<0.2	
				- rare disseminated pyrite on fractures	34.14	35.66	1.52	N111756	98	75	27	78	<0.2	
					35.66	37.19	1.53	N111757	100	77	29	78	<0.2	
					37.19	38.71	1.52	N111758	100	79	33	82	<0.2	
					38.71	40.23	1.52	N111759	99	93	32	74	<0.2	
40.23	45.75	5.52	MSBS	magnetic massive basalt										
					40.23	41.76	1.53	N111760	97	145	37	114	<0.2	
					41.76	43.28	1.52	N111761	99	65	28	80	<0.2	
					43.28	45.75	2.47	N111762	91	72	27	70	<0.2	

SYNOPTIC LOG Hole: IC96-31 Property: Ice
FINLAYSON PROJECT
EXPATRIATE RESOURCES LTD.

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
45.75	60.05	14.30	BRBS	magnetic breccia basalt										
				- minor HE veining	45.75	47.40	1.65	N111763	94	82	42	128	<0.2	
					47.40	48.92	1.52	N111764	95	100	49	186	<0.2	
					48.92	50.75	1.83	N111765	84	83	52	352	<0.2	
					50.75	52.27	1.52	N111766	99	83	38	82	<0.2	
					52.27	53.95	1.68	N111767	90	55	36	104	<0.2	
					53.95	55.17	1.22	N111768	92	60	34	76	<0.2	
					55.17	56.39	1.22	N111769	98	80	35	80	<0.2	
					56.39	57.91	1.52	N111770	99	64	37	90	<0.2	
					57.91	60.05	2.14	N111771	71	71	38	82	<0.2	
60.05	61.57	1.52	FBST	chloritic fault breccia										
					60.05	61.57	1.52	N111772	72	86	36	72	<0.2	
				EOH										

SYNOPTIC LOG
FINLAYSON PROJECT

EXPATRIATE RESOURCES LTD.

Hole: IC96-32 Property: Ice Section: 11400N

Easting:	Northing:	Elevation:	Depth:
376762	6862920	1355	55.47

Logged by: A. Burgert

Drilling Dates: Oct. 19 - 22, 1996

Depth	Azimuth	Dip	Method
0.00	296°	-50°	brunton
55.47		-48°	acid

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	1.83	1.83	CSDH	casing										
1.83	17.37	15.54	MSBS	weathered chloritic basalt										
				- LI + HE on fractures	1.83	3.66	1.83	N111773	97	89	42	96	<0.2	
				- cuprite on fractures	3.66	5.49	1.83	N111774	98	82	42	94	<0.2	
					5.49	8.23	2.74	N111775	95	70	36	78	<0.2	
					8.23	9.75	1.52	N111776	100	70	32	78	<0.2	
					9.75	12.80	3.05	N111777	48	0.01%	32	94	<0.2	<5
					12.80	14.33	1.53	N111778	189	0.01%	30	86	<0.2	<5
					14.33	15.85	1.52	N111779	71	0.01%	32	96	<0.2	<5
					15.85	17.37	1.52	N111780	100	0.01%	34	94	<0.2	<5
17.37	24.99	7.62	MSBS	chloritic massive basalt										
				HE on fractures	17.37	18.90	1.53	N111781	98	71	34	96	<0.2	
					18.90	19.96	1.06	N111782	98	69	40	104	<0.2	
					19.96	21.49	1.53	N111783	98	64	47	110	<0.2	
					21.49	23.47	1.98	N111784	95	66	30	90	<0.2	
					23.47	24.99	1.52	N111785	100	83	33	84	<0.2	
24.99	27.30	2.31	BRBS	chloritic breccia basalt										
				- HE + cuprite on fractures	24.99	27.30	2.31	N111786	99	228	43	98	<0.2	
27.30	30.10	2.80	MSBS	chloritic massive basalt										
				- HE + cuprite on fractures	27.30	28.70	1.40	N111787	93	0.02%	31	94	<0.2	<5
					28.70	30.10	1.40	N111788	95	0.02%	46	686	<0.2	<5
30.10	30.50	0.40	HEMS	massive hematite										
				- cuprite on fractures	30.10	30.50	0.40	N111789	95	0.45%	89	546	3.8	365
30.50	40.23	9.73	BRBS	chloritic breccia basalt										
					30.50	32.61	2.11	N111790	98	261	38	124	<0.2	
					32.61	35.66	3.05	N111791	94	80	33	88	<0.2	
					35.66	37.95	2.29	N111792	94	103	36	80	<0.2	
					37.95	40.23	2.28	N111793	85	89	35	80	<0.2	
40.23	41.76	1.53	FBST	chloritic fault breccia										
					40.23	41.76	1.53	N111794	89	85	36	74	<0.2	
41.76	55.47	13.71	BRBS	chloritic breccia basalt										

SYNOPTIC LOG Hole: IC96-32 Property: Ice

FINLAYSON PROJECT

EXPATRIATE RESOURCES LTD.

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
				- HE on fractures	41.76	44.00	2.24	N111795	88	105	35	80	<0.2	
					44.00	46.33	2.33	N111796	94	90	30	68	<0.2	
					46.33	49.38	3.05	N111797	92	66	29	70	<0.2	
					49.38	52.43	3.05	N111798	94	72	28	68	<0.2	
					52.43	53.95	1.52	N111799	94	54	25	68	<0.2	
					53.95	55.47	1.52	N111800	97	78	31	74	1.0	
				EOH										

SYNOPTIC LOG
FINLAYSON PROJECT
EXPATRIATE RESOURCES LTD.

Hole: IC96-33 | Property: Ice | Section: 11300N

Easting:	Northing:	Elevation:	Depth:
376700	6862832	1335	56.08

Logged by: A. Burgert

Drilling Dates: Oct. 23 - 25, 1996

Depth	Azimuth	Dip	Method
0.00	-310°	-50°	brunton
56.08		-50°	acid

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	1.83	1.83	CSDH	casing										
					1.83	3.66	1.83	N111801	81	72	25	78	<0.2	
1.83	22.50	20.67	MSBS	chloritic massive basalt										
				- HE + LI on fractures	3.66	5.18	1.52	N111802	91	71	25	76	0.2	
				- rare chalcocite	5.18	7.62	2.44	N111803	72	77	24	78	<0.2	
					7.62	8.53	0.91	N111804	98	69	24	78	<0.2	
					8.53	10.97	2.44	N111805	94	70	23	74	<0.2	
					10.97	13.26	2.29	N111806	72	69	24	94	<0.2	
					13.26	14.78	1.52	N111807	86	57	26	90	<0.2	
					14.78	15.85	1.07	N111808	83	120	29	148	<0.2	
					15.85	16.50	0.65	N111809	69	2230	75	960	<0.2	
					16.50	17.37	0.87	N111810	80	480	37	298	<0.2	
					17.37	18.90	1.53	N111811	98	132	29	126	<0.2	
					18.90	20.42	1.52	N111812	99	81	28	124	<0.2	
					20.42	22.50	2.08	N111813	90	205	37	280	<0.2	
					22.50	24.99	2.49	N111814	100	67	24	64	<0.2	
22.50	33.60	11.10	PHBSm	chloritic porphyry basalt										
				- HE + LI on fractures	24.99	26.52	1.53	N111815	98	140	30	172	<0.2	
					26.52	28.04	1.52	N111816	99	93	26	74	<0.2	
					28.04	29.57	1.53	N111817	98	108	30	240	<0.2	
					29.57	30.78	1.21	N111818	91	77	22	50	0.4	
33.60	50.80	17.20	BRBS	magnetic breccia basalt										
				- HE + LI on fractures										
50.80	56.08	5.28	FBST	chloritic fault breccia + gouge										
				EOH										

SYNOPTIC LOG
FINLAYSON PROJECT
EXPATRIATE RESOURCES LTD.

Hole: IC96-34 Property: Ice Section: 11300N

Easting:	Northing:	Elevation:	Depth:
376862	6862718	1285	114.91

Logged by: A. Burgert
Drilling Dates: Oct. 23 - 26, 1996

Depth	Azimuth	Dip	Method
0.00	305°	-50°	brunton
114.91		-48°	acid

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	1.83	1.83	CSDH	casing										
1.83	8.53	6.70	MSBS	chloritic massive basalt										
				-LI +HE on fractures	1.83	4.27	2.44	N111851	98	85	37	88	<0.2	
					4.27	5.79	1.52	N111852	96	76	35	88	<0.2	
					5.79	8.53	2.74	N111853	97	86	39	92	<0.2	
8.53	16.15	7.62	MSBS	hematitic massive basalt										
				-LI on fractures	8.53	13.41	4.88	N111854	28	24	12	24	<0.2	
				-massive HE patches	13.41	16.15	2.74	N111855	79	77	26	66	<0.2	
16.15	72.10	55.95	MSBS	chloritic massive basalt										
				-minor disseminated pyrite	63.70	65.23	1.53	N111856	98	78	32	76	<0.2	
					65.23	66.75	1.52	N111857	99	79	33	86	<0.2	
					66.75	68.25	1.50	N111858	100	84	32	82	<0.2	
					68.25	69.80	1.55	N111859	95	82	32	92	<0.2	
					69.80	72.10	2.30	N111860	56	74	36	106	<0.2	
72.10	92.66	20.56	PYMS	massive sulphides										
				-massive pyrite, bornite, chalcopyrite with	72.10	73.50	1.40	N111861	89	1.23%	0.08%	388	1.5	240
				sphalerite and chalcocite	73.50	74.70	1.20	N111862	100	4.97%	0.07%	514	4.2	190
					74.70	76.10	1.40	N111863	88	12.40%	0.15%	470	62.0	480
					76.10	77.42	1.32	N111864	100	8.71%	0.13%	538	52.4	650
					77.42	78.94	1.52	N111865	95	5.06%	0.07%	2350	31.0	520
					78.94	80.47	1.53	N111866	96	9.17%	0.02%	756	49.6	400
					80.47	81.99	1.52	N111867	98	3.45%	0.03%	430	21.0	540
					81.99	83.52	1.53	N111868	98	3.84%	0.07%	392	38.0	1000
					83.52	85.04	1.52	N111869	99	3.52%	0.05%	418	27.1	670
					85.04	86.56	1.52	N111870	100	3.67%	0.03%	1450	21.0	660
					86.56	88.09	1.53	N111871	99	4.47%	0.03%	6250	20.1	650
					88.09	89.61	1.52	N111872	100	3.03%	0.02%	9870	19.4	670
					89.61	91.14	1.53	N111873	97	3.88%	0.03%	3890	23.1	710
					91.14	92.66	1.52	N111874	98	6.06%	0.06%	914	35.6	880
92.66	114.91	22.25	BRBS	magnetic breccia basalt										
					92.66	94.18	1.52	N111875	99	2270	0	244	<0.2	

SYNOPTIC LOG Hole: IC96-34 Property: Ice

FINLAYSON PROJECT

EXPATRIATE RESOURCES LTD.

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Co (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
					94.18	95.71	1.53	N111876	99	3810	72	442	1.6	
					95.71	97.23	1.52	N111877	97	340	42	232	<0.2	
					97.23	98.76	1.53	N111878	98	139	26	120	<0.2	
					98.76	100.89	2.13	N111879	85	149	30	156	<0.2	
				EOH										

APPENDIX V

CERTIFICATES OF ANALYSIS
DRILL CORE

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : ICE IC96-34
Comments:

Page Number : 1
Total Pages : 1
Certificate Date: 12-MAR-97
Invoice No. : I9714388
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9714388

SAMPLE	PREP CODE		Au g/t	Pt g/t	Pd g/t	Rh g/t	Se ppm	Sn ppm	In ppm			
N111863	244	287	0.45	< 0.21	< 0.21	< 0.09	18.0	10	< 10			
N111864	244	287	0.63	< 0.21	< 0.21	< 0.09	10.0	10	< 10			
N111873	244	287	0.63	< 0.21	< 0.21	< 0.09	22.0	15	< 10			

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221 FAX: 604-984-0218

To: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : ICE IC96-34
Comments:

Page .per :1
Total Pages :1
Certificate Date: 30-DE
Invoice No. : I96444
P.O. Number :
Account :MPO

CERTIFICATE OF ANALYSIS A9644436

SAMPLE	PREP CODE		Spec Gr S.G.
N111856	244	--	2.95
N111857	244	--	2.95
N111858	244	--	2.93
N111859	244	--	2.94
N111860	244	--	2.90
N111875	244	--	2.89
N111876	244	--	2.86
N111877	244	--	2.76
N111878	244	--	2.88
N111879	244	--	2.88

CERTIFICATION: Sard Leina

Chemex Labs Ltd.
Analytical Chemists * Geochemists **Registered Assayers
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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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VANCOUVER, BC
V6B 1L8

Project : ICE IC96-34
Comments:

Page Number : 1
Total Pages : 1
Certificate Date: 19-NOV-96
Invoice No. : I9639360
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9639360

SAMPLE	PREP CODE		Ag g/t	Co %	Spec Gr S.G.
N111861	244	--	1.5	0.079	3.61
N111862	244	--	4.2	0.074	3.61
N111863	244	--	62.0	0.145	4.37
N111864	244	--	52.4	0.133	4.01
N111865	244	--	31.0	0.071	3.97
N111866	244	--	49.6	0.018	3.97
N111867	244	--	21.0	0.034	3.96
N111868	244	--	38.0	0.066	4.07
N111869	244	--	27.1	0.052	3.51
N111870	244	--	21.0	0.029	4.06
N111871	244	--	20.1	0.027	4.10
N111872	244	--	19.4	0.024	4.04
N111873	244	--	23.1	0.027	4.03
N111874	244	--	35.6	0.060	4.07

CERTIFICATION: Saïd Leinad

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : ICE IC96-32
Comments:

Page Number : 1-A
Total Pages : 1
Certificate Date: 11-NOV-96
Invoice No. : I9638668
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9638668

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
N111777	208	294	< 5	< 0.2	3.84	< 2	210	< 0.5	2	5.18	0.5	32	59	55	7.58	10	< 1	0.05	< 10	2.19	1650
N111778	208	294	< 5	< 0.2	3.08	< 2	830	< 0.5	< 2	5.41	< 0.5	30	36	54	6.79	10	6	0.05	< 10	2.13	1470
N111779	208	294	< 5	< 0.2	3.32	< 2	370	< 0.5	< 2	3.38	< 0.5	32	44	62	7.07	10	< 1	0.07	< 10	2.39	1020
N111780	208	294	< 5	< 0.2	3.20	< 2	540	< 0.5	2	3.17	< 0.5	34	45	62	6.81	10	< 1	0.04	< 10	2.44	1185
N111787	208	294	< 5	< 0.2	3.19	10	870	< 0.5	< 2	3.32	< 0.5	31	50	77	6.95	10	< 1	0.11	< 10	2.48	1065
N111788	208	294	< 5	< 0.2	2.83	< 2	140	< 0.5	< 2	2.46	0.5	46	41	76	7.75	10	< 1	0.22	< 10	2.26	1090
N111789	208	294	365	3.8	2.24	14	90	< 0.5	14	1.08	< 0.5	89	99	4330	14.10	10	3	0.03	< 10	1.32	735

CERTIFICATION: Hart Bichler

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VANCOUVER, BC
V6B 1L8

Project : ICE IC96-32
Comments:

Page Number :1-B
Total Pages :1
Certificate Date: 11-NOV-96
Invoice No. : I9638668
P.O. Number :
Account :MPO

CERTIFICATE OF ANALYSIS A9638668

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Cu %
N111777	208	294	< 1	< 0.01	32	540	2	< 2	25	49	0.23	< 10	< 10	270	< 10	94	0.01
N111778	208	294	< 1	< 0.01	25	620	2	< 2	22	45	0.39	< 10	< 10	254	< 10	86	0.01
N111779	208	294	< 1	< 0.01	28	670	2	4	25	71	0.67	< 10	10	265	10	96	0.01
N111780	208	294	1	< 0.01	26	630	< 2	< 2	21	70	0.61	< 10	10	226	10	94	0.01
N111787	208	294	< 1	< 0.01	27	610	< 2	< 2	22	73	0.72	< 10	10	260	< 10	94	0.02
N111788	208	294	< 1	< 0.01	30	680	2	< 2	23	19	0.77	< 10	10	259	< 10	686	0.02
N111789	208	294	4	< 0.01	72	1650	44	< 2	2	73	0.04	< 10	< 10	242	< 10	546	0.45

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

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To: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : ICE IC96-32
Comments:

Page [illegible]er : 1-A
Total P[illegible]s : 1
Certificate Date: 07-NOV-96
Invoice No. : I9638667
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9638667

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
N111773	205	294	< 0.2	3.86	< 2	540	< 0.5	2	2.39	< 0.5	42	61	89	7.73	10	< 1	0.05	< 10	2.16	1035	< 1
N111774	205	294	< 0.2	4.46	< 2	600	< 0.5	6	3.29	< 0.5	42	103	82	7.90	10	< 1	0.04	< 10	2.37	1245	< 1
N111775	205	294	< 0.2	4.07	< 2	640	< 0.5	< 2	4.56	< 0.5	36	98	70	6.78	10	< 1	0.08	< 10	2.45	1675	< 1
N111776	205	294	< 0.2	3.60	< 2	360	< 0.5	2	3.79	< 0.5	32	77	70	6.15	10	< 1	0.07	< 10	2.12	1045	< 1
N111781	205	294	< 0.2	3.44	< 2	1030	< 0.5	< 2	3.34	< 0.5	34	40	71	7.41	10	< 1	0.09	< 10	2.57	1190	< 1
N111782	205	294	< 0.2	3.35	< 2	150	< 0.5	2	2.82	< 0.5	40	38	69	7.99	10	< 1	0.13	< 10	2.14	1170	< 1
N111783	205	294	< 0.2	3.81	< 2	230	< 0.5	2	4.61	< 0.5	47	54	64	8.79	10	< 1	0.11	< 10	2.13	1660	< 1
N111784	205	294	< 0.2	2.64	< 2	110	< 0.5	< 2	1.87	< 0.5	30	16	66	6.17	10	< 1	0.15	< 10	1.65	840	< 1
N111785	205	294	< 0.2	2.76	< 2	90	< 0.5	< 2	2.22	0.5	33	22	83	5.76	10	< 1	0.07	< 10	2.23	900	< 1
N111786	205	294	< 0.2	4.44	< 2	2230	< 0.5	< 2	2.33	0.5	43	169	228	7.24	10	1	0.07	< 10	3.87	1335	< 1
N111790	205	294	< 0.2	3.42	2	250	< 0.5	< 2	2.46	< 0.5	38	64	261	6.59	10	2	0.01	< 10	3.21	1195	< 1
N111791	205	294	< 0.2	3.69	< 2	140	< 0.5	< 2	2.89	< 0.5	33	66	80	6.37	10	< 1	0.03	< 10	2.98	1015	< 1
N111792	205	294	< 0.2	3.59	< 2	180	< 0.5	2	3.43	< 0.5	36	108	103	5.33	10	< 1	0.06	< 10	3.55	1140	< 1
N111793	205	294	< 0.2	3.66	4	330	< 0.5	< 2	2.26	< 0.5	35	94	89	5.80	10	< 1	0.09	< 10	3.86	1035	< 1
N111794	205	294	< 0.2	3.53	< 2	240	< 0.5	< 2	2.69	< 0.5	36	102	85	5.48	10	< 1	0.05	< 10	3.43	980	< 1
N111795	205	294	< 0.2	3.62	< 2	120	< 0.5	2	2.75	< 0.5	35	113	105	5.66	10	< 1	0.04	< 10	3.50	980	< 1
N111796	205	294	< 0.2	3.48	< 2	130	< 0.5	2	2.94	< 0.5	30	88	90	4.98	10	< 1	0.07	< 10	3.05	860	< 1
N111797	205	294	< 0.2	3.24	< 2	60	< 0.5	< 2	3.23	< 0.5	29	62	66	5.36	10	< 1	0.05	< 10	2.73	920	< 1
N111798	205	294	< 0.2	3.20	2	100	< 0.5	2	3.31	0.5	28	63	72	5.31	10	1	0.08	< 10	2.37	900	< 1
N111799	205	294	< 0.2	2.91	< 2	50	< 0.5	2	4.10	< 0.5	25	69	54	4.72	10	< 1	0.04	< 10	2.58	980	< 1
N111800	205	294	< 0.2	4.01	< 2	50	< 0.5	2	3.69	< 0.5	31	71	78	5.65	10	4	0.01	< 10	2.83	940	< 1

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : ICE IC96-32
Comments:

Page Number : 1-B
Total Pages : 1
Certificate Date: 07-NOV-96
Invoice No. : I9638667
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9638667

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N111773	205	294	0.01	40	580	6	< 2	31	28	0.15	< 10	< 10	292	10	96
N111774	205	294	0.01	47	530	< 2	< 2	34	34	0.11	< 10	< 10	278	< 10	94
N111775	205	294	0.01	43	460	< 2	< 2	26	40	0.14	< 10	< 10	244	< 10	78
N111776	205	294	0.01	40	460	6	8	23	29	0.18	< 10	< 10	225	< 10	78
N111781	205	294	< 0.01	30	620	< 2	< 2	24	54	0.41	< 10	10	256	< 10	96
N111782	205	294	< 0.01	31	670	4	< 2	21	42	0.35	< 10	< 10	252	< 10	104
N111783	205	294	0.01	46	660	2	8	32	59	0.08	< 10	< 10	299	< 10	110
N111784	205	294	< 0.01	26	660	< 2	< 2	9	40	0.54	< 10	10	181	< 10	90
N111785	205	294	< 0.01	27	590	< 2	8	11	32	0.60	< 10	10	182	< 10	84
N111786	205	294	0.02	60	300	< 2	< 2	26	33	0.31	< 10	< 10	213	< 10	98
N111790	205	294	0.01	51	400	2	< 2	18	35	0.48	< 10	10	192	< 10	124
N111791	205	294	0.01	42	400	< 2	< 2	15	24	0.47	< 10	< 10	195	< 10	88
N111792	205	294	0.01	50	310	< 2	< 2	18	26	0.44	< 10	10	151	< 10	80
N111793	205	294	< 0.01	49	280	< 2	< 2	18	16	0.38	< 10	< 10	148	< 10	80
N111794	205	294	0.02	52	280	4	< 2	16	14	0.36	< 10	< 10	155	< 10	74
N111795	205	294	0.01	48	290	< 2	< 2	15	17	0.38	< 10	< 10	150	< 10	80
N111796	205	294	0.01	42	240	2	< 2	13	15	0.33	< 10	< 10	142	< 10	68
N111797	205	294	0.01	36	350	< 2	< 2	15	14	0.35	< 10	< 10	170	< 10	70
N111798	205	294	0.01	34	360	< 2	< 2	15	16	0.38	< 10	< 10	166	< 10	68
N111799	205	294	< 0.01	31	310	< 2	< 2	16	30	0.36	< 10	< 10	160	< 10	68
N111800	205	294	0.01	36	360	2	< 2	16	12	0.40	< 10	< 10	197	< 10	74

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : ICE IC96-31
Comments:

Certificate Date: 07-NOV-96
Invoice No. : I9638666
P.O. Number :
Account :MPO

CERTIFICATE OF ANALYSIS A9638666

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
N111741	205	294	5.8	1.83	6	210	< 0.5	2	0.60	0.5	16	207	590	3.61	< 10	< 1	0.04	< 10	0.96	295	< 1
N111742	205	294	6.0	0.17	10	280	< 0.5	< 2	0.12	< 0.5	1	39	68	0.38	< 10	1	0.01	< 10	0.12	40	5
N111743	205	294	< 0.2	3.67	< 2	170	< 0.5	< 2	1.62	4.0	37	152	1405	5.82	< 10	2	0.09	< 10	2.72	805	< 1
N111744	205	294	< 0.2	3.66	2	140	< 0.5	< 2	2.79	4.0	52	108	1470	4.82	< 10	< 1	0.09	< 10	2.25	1505	< 1
N111745	205	294	< 0.2	4.82	< 2	120	< 0.5	2	4.22	1.5	38	114	1925	4.95	10	< 1	0.08	< 10	2.59	1095	1
N111746	205	294	< 0.2	4.07	< 2	120	< 0.5	< 2	4.63	< 0.5	26	111	136	3.91	10	< 1	0.06	< 10	2.18	930	< 1
N111747	205	294	< 0.2	4.34	2	390	< 0.5	2	5.23	< 0.5	29	141	84	4.30	10	< 1	0.06	< 10	2.53	1095	< 1
N111748	205	294	< 0.2	4.15	6	100	< 0.5	< 2	4.52	< 0.5	27	124	90	4.06	10	< 1	0.05	< 10	2.19	990	< 1
N111749	205	294	< 0.2	4.09	< 2	90	< 0.5	2	4.21	< 0.5	27	93	55	4.37	10	< 1	0.03	< 10	2.08	970	< 1
N111750	205	294	< 0.2	4.39	< 2	90	< 0.5	< 2	3.55	0.5	30	64	111	4.47	< 10	< 1	0.08	< 10	2.25	1040	< 1
N111751	205	294	< 0.2	3.91	< 2	160	< 0.5	< 2	3.21	0.5	33	70	203	3.99	10	< 1	0.07	< 10	2.13	905	< 1
N111752	205	294	< 0.2	2.70	< 2	270	< 0.5	< 2	3.75	0.5	42	77	89	5.91	10	< 1	0.03	< 10	2.31	1175	< 1
N111753	205	294	< 0.2	3.73	4	530	< 0.5	2	1.35	2.0	87	152	2100	7.54	10	< 1	0.07	< 10	3.07	1085	3
N111754	205	294	< 0.2	3.56	< 2	140	< 0.5	6	1.85	2.0	67	97	2110	8.03	10	< 1	0.04	< 10	2.93	1095	< 1
N111755	205	294	< 0.2	3.04	< 2	130	< 0.5	< 2	3.11	< 0.5	33	87	115	6.03	10	< 1	0.04	< 10	3.24	1410	< 1
N111756	205	294	< 0.2	3.00	< 2	80	< 0.5	< 2	5.07	< 0.5	27	42	75	4.92	10	< 1	0.04	< 10	2.33	1280	< 1
N111757	205	294	< 0.2	3.19	< 2	140	< 0.5	2	2.02	< 0.5	29	60	77	5.49	10	< 1	0.04	< 10	2.89	1080	< 1
N111758	205	294	< 0.2	3.23	2	80	< 0.5	< 2	2.08	< 0.5	33	80	79	5.50	10	< 1	0.03	< 10	3.18	925	< 1
N111759	205	294	< 0.2	2.84	< 2	60	< 0.5	2	2.12	< 0.5	32	97	93	4.74	10	< 1	0.03	< 10	2.79	825	< 1
N111760	205	294	< 0.2	3.74	< 2	90	< 0.5	4	3.54	< 0.5	37	83	145	6.03	10	< 1	0.07	< 10	2.68	1085	< 1
N111761	205	294	< 0.2	2.77	< 2	100	< 0.5	2	3.44	< 0.5	28	47	65	5.67	10	< 1	0.10	< 10	1.71	925	< 1
N111762	205	294	< 0.2	3.06	12	80	< 0.5	2	2.86	< 0.5	27	42	72	5.30	10	< 1	0.06	< 10	1.81	810	< 1
N111763	205	294	< 0.2	3.39	< 2	50	< 0.5	< 2	4.97	< 0.5	42	129	82	6.72	10	< 1	0.07	< 10	3.43	1545	< 1
N111764	205	294	< 0.2	3.76	< 2	120	< 0.5	4	1.85	< 0.5	49	96	100	6.81	10	< 1	0.09	< 10	3.70	1215	1
N111765	205	294	< 0.2	2.84	< 2	1160	< 0.5	2	5.56	0.5	52	136	83	5.49	10	< 1	0.14	< 10	2.86	1430	< 1
N111766	205	294	< 0.2	3.46	< 2	90	< 0.5	2	3.36	< 0.5	38	125	83	6.09	10	< 1	0.12	< 10	3.39	1095	< 1
N111767	205	294	< 0.2	3.87	6	120	< 0.5	< 2	2.93	< 0.5	36	129	55	6.80	10	< 1	0.21	< 10	3.26	1150	< 1
N111768	205	294	< 0.2	3.01	< 2	290	< 0.5	2	3.69	< 0.5	34	117	60	5.97	10	< 1	0.17	< 10	2.76	1410	< 1
N111769	205	294	< 0.2	2.79	< 2	190	< 0.5	2	2.32	< 0.5	35	126	80	6.24	10	< 1	0.27	< 10	2.47	1230	< 1
N111770	205	294	< 0.2	3.49	< 2	250	< 0.5	< 2	3.55	< 0.5	37	136	64	7.20	10	< 1	0.16	< 10	2.69	1235	< 1
N111771	205	294	< 0.2	3.25	< 2	500	< 0.5	< 2	3.86	< 0.5	38	124	71	6.46	10	< 1	0.16	< 10	2.89	1265	< 1
N111772	205	294	< 0.2	3.90	< 2	1190	< 0.5	< 2	4.15	< 0.5	36	161	86	5.92	10	< 1	0.09	< 10	4.03	1200	< 1

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Total Pages : 1
Certificate Date: 07-NOV-96
Invoice No. : I9638666
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9638666

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N111741	205	294	0.03	24	210	10	< 2	6	11	0.13	< 10	< 10	72	< 10	232
N111742	205	294	0.01	3	20	12	< 2	1	3	0.03	< 10	< 10	9	< 10	28
N111743	205	294	0.04	64	220	< 2	< 2	13	25	0.22	< 10	< 10	115	< 10	572
N111744	205	294	0.03	63	230	2	< 2	9	13	0.24	< 10	< 10	89	< 10	756
N111745	205	294	0.03	67	220	2	< 2	9	15	0.24	< 10	< 10	103	< 10	316
N111746	205	294	0.04	59	270	< 2	< 2	9	14	0.24	< 10	< 10	106	< 10	70
N111747	205	294	0.04	63	280	2	< 2	13	18	0.24	< 10	< 10	122	< 10	64
N111748	205	294	0.05	59	260	< 2	< 2	12	16	0.22	< 10	< 10	120	< 10	62
N111749	205	294	0.03	58	250	< 2	2	11	10	0.26	< 10	< 10	118	< 10	66
N111750	205	294	0.03	64	260	< 2	< 2	10	9	0.29	< 10	< 10	117	< 10	112
N111751	205	294	0.04	60	210	< 2	< 2	7	11	0.24	< 10	< 10	100	< 10	132
N111752	205	294	0.02	41	350	4	< 2	22	25	0.30	< 10	< 10	203	< 10	274
N111753	205	294	0.02	65	320	< 2	< 2	29	19	0.08	< 10	< 10	201	< 10	1255
N111754	205	294	0.02	50	360	4	< 2	26	9	0.38	< 10	10	226	< 10	1050
N111755	205	294	0.02	40	370	< 2	8	18	25	0.40	< 10	< 10	164	< 10	102
N111756	205	294	0.03	34	450	4	< 2	8	19	0.34	< 10	< 10	132	< 10	78
N111757	205	294	0.03	33	370	4	8	10	15	0.40	< 10	< 10	164	< 10	78
N111758	205	294	0.04	38	360	2	< 2	14	11	0.43	< 10	< 10	193	< 10	82
N111759	205	294	0.04	39	300	< 2	< 2	10	36	0.36	< 10	< 10	130	< 10	74
N111760	205	294	0.03	40	350	< 2	< 2	17	12	0.42	< 10	< 10	201	< 10	114
N111761	205	294	0.03	31	350	2	2	11	10	0.34	< 10	< 10	155	< 10	80
N111762	205	294	0.03	32	340	2	< 2	8	8	0.34	< 10	< 10	149	< 10	70
N111763	205	294	0.01	48	340	6	6	30	25	0.27	< 10	< 10	232	< 10	128
N111764	205	294	0.01	47	300	6	< 2	23	13	0.39	< 10	< 10	184	< 10	186
N111765	205	294	0.03	48	240	< 2	< 2	23	43	0.03	< 10	< 10	167	< 10	352
N111766	205	294	0.02	47	310	2	< 2	26	16	0.37	< 10	< 10	195	< 10	82
N111767	205	294	0.01	48	390	6	< 2	30	15	0.18	< 10	< 10	219	< 10	104
N111768	205	294	0.02	46	350	< 2	< 2	24	20	0.10	< 10	< 10	187	< 10	76
N111769	205	294	0.03	47	410	< 2	< 2	26	14	0.04	< 10	< 10	203	< 10	80
N111770	205	294	0.01	47	450	< 2	< 2	35	21	0.29	< 10	< 10	262	< 10	90
N111771	205	294	0.01	46	380	< 2	< 2	31	23	0.30	< 10	< 10	229	< 10	82
N111772	205	294	0.02	50	320	6	4	26	32	0.32	< 10	< 10	205	< 10	72

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Project : ICE
Comments:

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Total Pages : 1
Certificate Date: 08-NOV-96
Invoice No. : I9638664
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9638664

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
N110411	205	226	< 0.2	2.53	< 2	10	< 0.5	< 2	1.46	< 0.5	15	48	67	4.41	10	< 1	< 0.01	< 10	2.04	720	< 1
N110412	205	226	< 0.2	3.06	< 2	100	< 0.5	< 2	1.92	< 0.5	23	27	54	6.08	10	< 1	0.05	< 10	1.51	670	< 1

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CERTIFICATE OF ANALYSIS A9638664

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N110411	205	226	0.02	20	570	< 2	< 2	3	19	0.47	< 10	< 10	137	< 10	84
N110412	205	226	< 0.01	21	670	< 2	< 2	6	23	0.60	< 10	< 10	214	< 10	94

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Certificate Date: 08-NOV-96
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CERTIFICATE OF ANALYSIS A9638663

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
N 111801	205	226	< 0.2	3.21	< 2	180	< 0.5	< 2	2.73	< 0.5	25	24	72	5.46	10	< 1	0.01	< 10	1.64	675	< 1
N 111802	205	226	0.2	3.40	< 2	100	< 0.5	< 2	2.55	< 0.5	25	19	71	5.65	10	1	0.01	< 10	1.55	645	< 1
N 111803	205	226	< 0.2	2.95	< 2	260	< 0.5	< 2	1.91	< 0.5	24	20	77	5.44	10	< 1	0.01	< 10	1.61	605	< 1
N 111804	205	226	< 0.2	2.99	< 2	190	< 0.5	< 2	2.60	< 0.5	24	21	69	5.51	10	1	< 0.01	< 10	1.65	800	< 1
N 111805	205	226	< 0.2	2.84	< 2	270	< 0.5	< 2	2.66	< 0.5	23	17	70	5.43	10	< 1	0.03	< 10	1.60	755	< 1
N 111806	205	226	< 0.2	2.58	< 2	270	< 0.5	< 2	2.69	< 0.5	24	15	69	6.10	< 10	< 1	0.04	< 10	1.67	835	< 1
N 111807	205	226	< 0.2	2.51	< 2	280	< 0.5	< 2	2.43	< 0.5	26	12	57	6.00	< 10	< 1	0.07	< 10	1.50	685	< 1
N 111808	205	226	< 0.2	2.44	< 2	490	< 0.5	< 2	2.38	0.5	29	10	120	6.50	10	< 1	0.07	< 10	1.56	860	< 1
N 111809	205	226	< 0.2	2.91	< 2	370	< 0.5	< 2	2.15	1.5	75	16	2230	7.95	10	< 1	< 0.01	< 10	2.05	1130	< 1
N 111810	205	226	< 0.2	2.83	< 2	580	< 0.5	< 2	2.33	0.5	37	11	480	7.45	10	< 1	0.02	< 10	1.74	1010	< 1
N 111811	205	226	< 0.2	2.92	< 2	230	< 0.5	< 2	2.86	< 0.5	29	12	132	6.43	10	< 1	0.05	< 10	1.68	990	< 1
N 111812	205	226	< 0.2	2.84	< 2	280	< 0.5	< 2	1.96	< 0.5	28	10	81	6.49	10	< 1	0.08	< 10	1.63	765	< 1
N 111813	205	226	< 0.2	2.89	< 2	300	< 0.5	< 2	2.36	0.5	37	30	205	6.22	10	< 1	0.05	< 10	1.95	970	< 1
N 111814	205	226	< 0.2	4.31	< 2	90	< 0.5	< 2	4.15	< 0.5	24	99	67	4.53	10	1	0.02	< 10	2.33	940	< 1
N 111815	205	226	< 0.2	4.37	< 2	300	< 0.5	< 2	4.64	< 0.5	30	86	140	4.47	< 10	< 1	0.06	< 10	2.23	1165	< 1
N 111816	205	226	< 0.2	3.32	< 2	120	< 0.5	< 2	2.99	< 0.5	26	77	93	4.58	< 10	< 1	0.09	< 10	2.59	915	< 1
N 111817	205	226	< 0.2	3.82	< 2	180	< 0.5	< 2	3.06	< 0.5	30	113	108	4.41	< 10	< 1	0.03	< 10	2.47	900	< 1
N 111818	205	226	0.4	3.47	< 2	100	< 0.5	< 2	2.87	< 0.5	22	134	77	3.89	< 10	< 1	0.04	< 10	2.52	780	< 1

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CERTIFICATE OF ANALYSIS A9638663

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N 111801	205	226	< 0.01	32	480	< 2	< 2	7	23	0.44	< 10	< 10	163	< 10	78
N 111802	205	226	< 0.01	31	510	< 2	< 2	6	15	0.40	< 10	< 10	164	< 10	76
N 111803	205	226	< 0.01	30	500	< 2	< 2	8	10	0.39	< 10	< 10	163	< 10	78
N 111804	205	226	< 0.01	29	490	< 2	< 2	10	9	0.41	< 10	< 10	169	< 10	78
N 111805	205	226	< 0.01	29	490	< 2	< 2	9	17	0.42	< 10	< 10	162	< 10	74
N 111806	205	226	< 0.01	22	640	< 2	< 2	11	25	0.46	< 10	< 10	178	< 10	94
N 111807	205	226	< 0.01	21	680	< 2	< 2	11	33	0.45	< 10	< 10	177	< 10	90
N 111808	205	226	< 0.01	23	650	< 2	< 2	13	26	0.50	< 10	< 10	200	< 10	148
N 111809	205	226	< 0.01	26	760	< 2	< 2	20	32	0.62	< 10	< 10	259	< 10	960
N 111810	205	226	< 0.01	23	780	< 2	< 2	13	16	0.65	< 10	< 10	251	< 10	298
N 111811	205	226	< 0.01	24	680	< 2	< 2	11	34	0.56	< 10	< 10	214	< 10	126
N 111812	205	226	< 0.01	24	710	< 2	< 2	9	32	0.54	< 10	< 10	203	< 10	124
N 111813	205	226	< 0.01	30	590	< 2	< 2	13	36	0.50	< 10	< 10	190	< 10	280
N 111814	205	226	< 0.01	65	240	< 2	< 2	10	12	0.26	< 10	< 10	118	< 10	64
N 111815	205	226	< 0.01	62	230	< 2	< 2	12	11	0.25	< 10	< 10	127	< 10	172
N 111816	205	226	< 0.01	64	250	< 2	< 2	10	12	0.26	< 10	< 10	110	< 10	74
N 111817	205	226	< 0.01	61	240	< 2	< 2	11	9	0.24	< 10	< 10	120	< 10	240
N 111818	205	226	< 0.01	61	200	< 2	< 2	9	9	0.20	< 10	< 10	104	< 10	50

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Project : ICE IC96-34
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P.O. Number :
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CERTIFICATE OF ANALYSIS A9638655

SAMPLE	PREP CODE		Au ppb RUSH	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
N111861	258	293	240	1.0	0.23	12	30	< 0.5	Intf*	2.55	1.0	827	44	>10000	>15.00	< 10	2	0.01	< 10	0.16	385
N111862	258	293	190	3.8	0.15	6	< 10	< 0.5	Intf*	0.14	3.0	840	48	>10000	>15.00	< 10	< 1	< 0.01	< 10	0.09	95
N111863	258	293	480	54.8	0.10	4	10	< 0.5	Intf*	0.16	3.5	1400	30	>10000	>15.00	< 10	< 1	< 0.01	< 10	0.09	60
N111864	258	293	650	44.8	0.02	36	< 10	< 0.5	Intf*	0.03	9.0	1330	29	>10000	>15.00	< 10	< 1	< 0.01	< 10	0.04	45
N111865	258	293	520	25.8	0.51	16	10	< 0.5	Intf*	0.48	23.0	742	55	>10000	>15.00	< 10	< 1	0.02	< 10	0.28	220
N111866	258	293	400	42.8	0.91	46	< 10	< 0.5	Intf*	0.23	3.5	185	70	>10000	>15.00	< 10	< 1	0.02	< 10	0.56	300
N111867	258	293	540	18.8	0.03	24	< 10	< 0.5	Intf*	0.76	1.5	357	52	>10000	>15.00	< 10	< 1	0.01	< 10	0.03	70
N111868	258	293	1000	33.4	0.10	30	< 10	< 0.5	Intf*	0.25	3.0	688	37	>10000	>15.00	< 10	< 1	0.01	< 10	0.06	70
N111869	258	293	670	23.8	< 0.01	26	< 10	< 0.5	Intf*	0.05	2.5	556	78	>10000	>15.00	< 10	< 1	< 0.01	< 10	< 0.01	35
N111870	258	293	660	17.8	< 0.01	18	< 10	< 0.5	Intf*	0.03	7.5	299	29	>10000	>15.00	< 10	< 1	< 0.01	< 10	< 0.01	40
N111871	258	293	650	17.0	< 0.01	14	< 10	< 0.5	Intf*	0.13	33.5	270	34	>10000	>15.00	< 10	< 1	< 0.01	< 10	< 0.01	40
N111872	258	293	670	15.6	< 0.01	20	< 10	< 0.5	Intf*	0.03	52.0	246	25	>10000	>15.00	< 10	< 1	< 0.01	< 10	< 0.01	30
N111873	258	293	710	19.2	< 0.01	22	< 10	< 0.5	Intf*	0.61	17.5	281	41	>10000	>15.00	< 10	< 1	< 0.01	< 10	0.01	75
N111874	258	293	880	30.8	< 0.01	26	< 10	< 0.5	Intf*	0.61	5.0	598	37	>10000	>15.00	< 10	< 1	< 0.01	< 10	< 0.01	80

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*INTERFERENCE: Cu ON Bi AND P.

Chemex Labs Ltd.

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CERTIFICATE OF ANALYSIS A9638655

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Cu %
N111861	258	293	31	< 0.01	7	Intf*	16	< 2	< 1	8	< 0.01	< 10	< 10	46	20	388	1.23
N111862	258	293	37	< 0.01	4	Intf*	14	< 2	< 1	< 1	< 0.01	< 10	< 10	28	< 10	514	4.97
N111863	258	293	56	< 0.01	7	Intf*	16	< 2	< 1	< 1	< 0.01	< 10	< 10	8	< 10	470	12.40
N111864	258	293	51	< 0.01	1	Intf*	38	< 2	< 1	< 1	< 0.01	< 10	< 10	8	< 10	538	8.71
N111865	258	293	31	< 0.01	11	Intf*	40	< 2	< 1	< 1	< 0.01	< 10	10	51	< 10	2350	5.06
N111866	258	293	41	< 0.01	9	Intf*	34	< 2	< 1	< 1	< 0.01	< 10	10	89	< 10	756	9.17
N111867	258	293	29	< 0.01	5	Intf*	78	< 2	< 1	< 1	< 0.01	< 10	10	58	10	430	3.45
N111868	258	293	47	< 0.01	< 1	Intf*	56	< 2	< 1	< 1	< 0.01	< 10	10	20	10	392	3.84
N111869	258	293	39	< 0.01	1	Intf*	46	< 2	< 1	< 1	< 0.01	< 10	< 10	8	10	418	3.52
N111870	258	293	24	< 0.01	3	Intf*	66	< 2	< 1	< 1	< 0.01	< 10	< 10	3	< 10	1450	3.67
N111871	258	293	27	< 0.01	1	Intf*	64	< 2	< 1	< 1	< 0.01	< 10	< 10	< 1	10	6250	4.47
N111872	258	293	24	< 0.01	3	Intf*	66	< 2	< 1	< 1	< 0.01	< 10	10	< 1	10	9870	3.03
N111873	258	293	22	< 0.01	5	Intf*	60	< 2	< 1	< 1	< 0.01	< 10	10	24	10	3890	3.88
N111874	258	293	31	< 0.01	< 1	Intf*	68	< 2	< 1	< 1	< 0.01	< 10	10	66	10	914	6.06

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CERTIFICATE OF ANALYSIS A9638654

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
N111851	255	293	< 0.2	3.12	< 2	210	< 0.5	2	3.54	< 0.5	37	35	85	7.03	10	< 1	0.01	< 10	2.32	1125	< 1
N111852	255	293	< 0.2	3.26	< 2	50	< 0.5	< 2	2.64	< 0.5	35	24	76	6.57	10	< 1	< 0.01	< 10	2.32	1095	< 1
N111853	255	293	< 0.2	4.19	< 2	110	< 0.5	2	2.09	< 0.5	39	46	86	7.75	10	< 1	0.01	< 10	3.62	1500	< 1
N111854	255	293	< 0.2	1.55	< 2	450	< 0.5	< 2	2.69	< 0.5	12	132	24	3.70	< 10	< 1	< 0.01	< 10	1.36	770	< 1
N111855	255	293	< 0.2	2.51	< 2	130	< 0.5	2	2.33	< 0.5	26	39	77	5.29	10	< 1	0.06	< 10	1.85	1050	< 1
N111856	255	293	< 0.2	3.23	< 2	80	< 0.5	< 2	2.40	< 0.5	32	21	78	5.96	10	< 1	0.03	< 10	1.88	900	< 1
N111857	255	293	< 0.2	3.51	< 2	80	< 0.5	< 2	2.46	< 0.5	33	22	79	6.44	10	2	< 0.01	< 10	2.18	1000	< 1
N111858	255	293	< 0.2	3.10	< 2	130	< 0.5	4	2.31	< 0.5	32	28	84	6.32	10	1	< 0.01	< 10	2.49	975	< 1
N111859	255	293	< 0.2	3.94	< 2	50	< 0.5	4	2.65	< 0.5	32	26	82	6.44	10	< 1	< 0.01	< 10	2.37	1105	< 1
N111860	255	293	< 0.2	4.71	< 2	50	< 0.5	2	2.78	< 0.5	36	46	74	7.70	10	< 1	< 0.01	< 10	3.30	1465	< 1
N111875	255	293	< 0.2	2.94	< 2	70	< 0.5	4	2.84	< 0.5	59	116	2270	6.71	10	< 1	0.08	< 10	2.92	680	< 1
N111876	255	293	1.6	3.16	2	280	< 0.5	< 2	2.82	< 0.5	72	124	3810	8.03	10	< 1	0.08	< 10	3.12	860	< 1
N111877	255	293	< 0.2	3.73	< 2	1430	< 0.5	6	4.29	< 0.5	42	179	340	5.83	10	< 1	0.10	< 10	2.68	990	< 1
N111878	255	293	< 0.2	4.12	< 2	70	< 0.5	2	3.90	< 0.5	26	110	139	4.67	10	1	0.04	< 10	2.32	785	< 1
N111879	255	293	< 0.2	4.84	< 2	90	< 0.5	< 2	3.69	< 0.5	30	161	149	6.22	10	< 1	0.06	< 10	3.23	960	< 1

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SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N111851	255	293	< 0.01	25	680	< 2	< 2	8	20	0.66	< 10	10	236	< 10	88
N111852	255	293	< 0.01	32	650	< 2	< 2	5	14	0.64	< 10	10	212	< 10	88
N111853	255	293	< 0.01	36	720	< 2	2	11	14	0.48	< 10	10	219	< 10	92
N111854	255	293	< 0.01	28	1510	< 2	< 2	5	17	0.11	< 10	< 10	113	< 10	24
N111855	255	293	< 0.01	25	1110	< 2	< 2	5	19	0.36	< 10	< 10	149	< 10	66
N111856	255	293	0.01	34	510	< 2	< 2	7	18	0.44	< 10	< 10	172	< 10	76
N111857	255	293	< 0.01	30	570	< 2	< 2	7	11	0.59	< 10	10	208	< 10	86
N111858	255	293	< 0.01	31	480	< 2	< 2	8	15	0.49	< 10	< 10	150	< 10	82
N111859	255	293	< 0.01	31	510	< 2	< 2	6	6	0.52	< 10	< 10	186	< 10	92
N111860	255	293	< 0.01	36	550	2	< 2	12	12	0.55	< 10	10	223	< 10	106
N111875	255	293	0.02	40	280	< 2	< 2	3	62	0.17	< 10	< 10	137	< 10	244
N111876	255	293	0.03	51	390	6	< 2	8	29	0.19	< 10	< 10	154	< 10	442
N111877	255	293	0.02	57	250	< 2	4	17	30	0.20	< 10	< 10	143	< 10	232
N111878	255	293	0.04	51	270	< 2	< 2	8	27	0.26	< 10	< 10	118	< 10	120
N111879	255	293	0.03	53	280	< 2	< 2	14	55	0.28	< 10	< 10	159	< 10	156

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SAMPLE	PREP CODE		Au ppb FA+AA	Cu %
N111575	244	--	< 5	0.14
N111576	244	--	< 5	0.12
N111577	244	--	< 5	0.11
N111578	244	--	< 5	0.13
N111579	244	--	10	0.25
N111580	244	--	25	0.37
N111581	244	--	10	0.33

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CERTIFICATE OF ANALYSIS A9638557

SAMPLE	PREP CODE		Au ppb FA+AA	Cu %								
N111626	244	--	40	0.32								
N111627	244	--	20	0.21								

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CERTIFICATE OF ANALYSIS A9638555

SAMPLE	PREP CODE		Au ppb FA+AA	Cu %
N111605	244	--	< 5	0.13
N111606	244	--	< 5	0.33
N111607	244	--	< 5	0.34
N111608	244	--	< 5	0.35
N111609	244	--	< 5	0.38
N111610	244	--	< 5	0.80
N111611	244	--	< 5	0.12

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SAMPLE	PREP CODE		Au ppb FA+AA	Cu %	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
N111733	208	294	< 5	0.04	< 0.2	3.63	< 2	70	< 0.5	< 2	4.32	< 0.5	40	69	332	8.22	10	< 1	0.06	< 10	2.46
N111734	208	294	600	1.69	11.8	0.48	28	< 10	< 0.5	Intf*	2.45	10.0	496	39	>10000	>15.00	10	5	< 0.01	< 10	0.39
N111735	208	294	< 5	0.02	< 0.2	3.42	< 2	320	< 0.5	< 2	3.50	< 0.5	31	79	82	5.79	10	< 1	0.03	< 10	2.58

CERTIFICATION: Hart Bichler

* INTERFERENCE: Cu on Bi and P

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SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N111733	208	294	1240	< 1	< 0.01	42	530	2	< 2	25	59	< 0.01	< 10	< 10	203	< 10	178
N111734	208	294	545	11	< 0.01	27	Intf*	80	< 2	1	20	< 0.01	< 10	10	84	< 10	1225
N111735	208	294	990	< 1	< 0.01	41	340	< 2	< 2	20	83	0.30	< 10	< 10	177	< 10	84

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SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
N111702	205	294	< 0.2	2.44	2	410	< 0.5	< 2	2.06	< 0.5	19	54	52	4.95	10	< 1	0.02	< 10	1.53	880	< 1
N111703	205	294	< 0.2	2.71	< 2	130	< 0.5	< 2	2.27	< 0.5	22	46	52	5.59	10	< 1	< 0.01	< 10	2.01	1060	< 1
N111704	205	294	< 0.2	3.33	< 2	200	< 0.5	< 2	2.34	< 0.5	28	41	70	6.53	10	< 1	< 0.01	< 10	2.42	1060	< 1
N111705	205	294	< 0.2	2.01	< 2	230	< 0.5	< 2	1.90	< 0.5	17	64	35	4.76	< 10	< 1	< 0.01	< 10	1.44	790	< 1
N111706	205	294	< 0.2	3.34	< 2	110	< 0.5	< 2	2.88	< 0.5	27	16	58	6.17	10	< 1	< 0.01	< 10	2.22	1180	< 1
N111707	205	294	< 0.2	3.15	< 2	160	< 0.5	< 2	3.54	< 0.5	26	19	58	6.19	10	1	0.01	< 10	1.93	1225	< 1
N111708	205	294	< 0.2	3.19	2	240	< 0.5	< 2	5.32	< 0.5	30	33	64	6.51	10	< 1	0.16	< 10	1.32	820	< 1
N111709	205	294	< 0.2	2.46	2	360	< 0.5	< 2	2.23	< 0.5	24	42	46	5.91	10	< 1	0.05	< 10	1.47	840	< 1
N111710	205	294	< 0.2	2.22	< 2	180	< 0.5	< 2	1.72	< 0.5	26	11	53	5.89	10	< 1	0.03	< 10	1.31	785	< 1
N111711	205	294	< 0.2	3.08	< 2	70	< 0.5	< 2	2.96	< 0.5	22	27	57	5.49	10	< 1	< 0.01	< 10	1.67	930	< 1
N111712	205	294	< 0.2	2.93	< 2	60	< 0.5	< 2	2.32	< 0.5	23	33	62	5.50	10	< 1	< 0.01	< 10	1.74	810	< 1
N111713	205	294	< 0.2	3.03	< 2	110	< 0.5	< 2	2.50	< 0.5	24	35	57	5.74	10	< 1	0.04	< 10	1.76	910	< 1
N111714	205	294	< 0.2	2.74	< 2	380	< 0.5	< 2	2.52	< 0.5	26	14	62	6.96	10	< 1	0.04	< 10	1.42	1050	< 1
N111715	205	294	< 0.2	3.02	4	610	< 0.5	< 2	2.38	< 0.5	28	9	61	7.17	10	1	< 0.01	< 10	1.65	1355	< 1
N111716	205	294	< 0.2	3.06	< 2	430	< 0.5	< 2	2.36	< 0.5	26	11	62	6.89	10	< 1	0.03	< 10	1.55	1170	< 1
N111717	205	294	< 0.2	2.48	2	750	< 0.5	< 2	2.16	< 0.5	27	16	59	6.56	10	1	0.05	< 10	1.25	915	< 1
N111718	205	294	< 0.2	2.62	< 2	370	< 0.5	< 2	2.17	< 0.5	24	11	61	6.11	10	< 1	0.01	< 10	1.22	775	< 1
N111719	205	294	< 0.2	3.12	< 2	190	< 0.5	< 2	2.57	< 0.5	25	11	64	6.34	10	< 1	< 0.01	< 10	1.40	920	< 1
N111720	205	294	< 0.2	2.95	< 2	140	< 0.5	< 2	2.60	< 0.5	34	8	67	6.69	10	< 1	0.09	< 10	1.77	835	< 1
N111721	205	294	< 0.2	2.94	12	90	< 0.5	< 2	4.75	< 0.5	34	28	71	6.03	10	< 1	0.15	< 10	2.80	640	< 1
N111722	205	294	< 0.2	0.93	8	180	< 0.5	< 2	12.50	< 0.5	16	9	16	3.95	< 10	< 1	0.06	< 10	5.51	1160	< 1
N111723	205	294	< 0.2	1.66	< 2	80	< 0.5	< 2	9.35	< 0.5	23	27	40	5.46	< 10	< 1	0.06	< 10	4.14	1140	< 1
N111724	205	294	< 0.2	1.65	< 2	190	< 0.5	< 2	11.35	< 0.5	23	20	31	5.76	< 10	< 1	0.03	< 10	4.29	1330	< 1
N111725	205	294	< 0.2	3.01	< 2	580	< 0.5	< 2	3.00	< 0.5	28	18	60	6.63	10	< 1	0.01	< 10	2.14	1220	< 1
N111726	205	294	< 0.2	3.29	2	150	< 0.5	< 2	3.42	< 0.5	30	35	59	6.78	10	< 1	< 0.01	< 10	2.40	1380	< 1
N111727	205	294	< 0.2	3.76	20	220	< 0.5	< 2	2.83	< 0.5	33	36	57	7.82	10	< 1	< 0.01	< 10	2.87	1595	< 1
N111728	205	294	< 0.2	1.05	< 2	90	< 0.5	< 2	9.49	< 0.5	19	54	46	5.00	< 10	< 1	< 0.01	< 10	2.63	2080	< 1
N111729	205	294	< 0.2	3.05	6	140	< 0.5	< 2	4.42	< 0.5	35	13	64	7.76	10	< 1	0.04	< 10	2.49	1570	< 1
N111730	205	294	< 0.2	3.70	< 2	420	< 0.5	< 2	2.46	< 0.5	39	39	65	8.46	10	< 1	0.08	< 10	2.51	1100	< 1
N111731	205	294	< 0.2	2.85	2	100	< 0.5	< 2	1.23	< 0.5	31	38	60	6.57	10	< 1	0.07	< 10	1.66	585	< 1
N111732	205	294	< 0.2	2.94	< 2	70	< 0.5	< 2	3.22	< 0.5	26	66	74	5.83	10	< 1	0.09	< 10	2.32	745	< 1
N111736	205	294	< 0.2	3.54	< 2	160	< 0.5	< 2	4.02	< 0.5	31	89	83	5.97	10	< 1	0.01	< 10	2.97	1085	< 1
N111737	205	294	< 0.2	3.47	< 2	110	< 0.5	< 2	2.50	< 0.5	29	82	76	5.40	10	< 1	0.03	< 10	3.19	815	< 1
N111738	205	294	< 0.2	3.29	< 2	80	< 0.5	< 2	2.93	< 0.5	25	69	88	5.19	10	< 1	0.01	< 10	2.57	855	< 1
N111739	205	294	< 0.2	3.35	< 2	60	< 0.5	< 2	2.60	< 0.5	25	58	71	5.04	10	< 1	0.04	< 10	2.41	730	< 1
N111740	205	294	< 0.2	3.23	< 2	100	< 0.5	< 2	2.84	< 0.5	27	67	77	5.31	10	< 1	0.01	< 10	2.66	715	< 1

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N111702	205	294	< 0.01	26	570	2	< 2	4	38	0.36	< 10	< 10	137	< 10	64
N111703	205	294	< 0.01	23	620	2	< 2	7	18	0.51	< 10	< 10	194	< 10	80
N111704	205	294	< 0.01	30	570	< 2	< 2	10	17	0.53	< 10	< 10	207	< 10	140
N111705	205	294	< 0.01	23	650	2	< 2	6	23	0.33	< 10	< 10	136	< 10	58
N111706	205	294	< 0.01	23	770	< 2	< 2	10	34	0.61	< 10	< 10	201	< 10	172
N111707	205	294	< 0.01	24	730	2	< 2	15	31	0.48	< 10	< 10	197	< 10	200
N111708	205	294	0.01	34	780	4	< 2	30	27	< 0.01	< 10	< 10	223	< 10	112
N111709	205	294	< 0.01	25	710	2	< 2	10	44	0.44	< 10	< 10	189	< 10	88
N111710	205	294	< 0.01	25	680	2	< 2	5	16	0.36	< 10	< 10	157	< 10	88
N111711	205	294	< 0.01	29	630	2	< 2	4	14	0.45	< 10	< 10	174	< 10	78
N111712	205	294	< 0.01	29	520	2	< 2	7	12	0.47	< 10	< 10	176	< 10	74
N111713	205	294	< 0.01	35	630	< 2	< 2	7	20	0.46	< 10	< 10	169	< 10	76
N111714	205	294	< 0.01	16	770	2	< 2	7	22	0.69	< 10	< 10	241	< 10	106
N111715	205	294	< 0.01	17	780	2	< 2	8	15	0.68	< 10	< 10	260	< 10	108
N111716	205	294	< 0.01	17	770	4	< 2	6	16	0.69	< 10	< 10	246	< 10	104
N111717	205	294	< 0.01	17	740	4	< 2	5	30	0.60	< 10	< 10	214	< 10	100
N111718	205	294	< 0.01	15	660	2	< 2	5	16	0.56	< 10	< 10	194	< 10	88
N111719	205	294	< 0.01	16	680	< 2	< 2	6	13	0.55	< 10	< 10	194	< 10	96
N111720	205	294	< 0.01	24	750	2	< 2	17	28	0.31	< 10	< 10	193	< 10	120
N111721	205	294	< 0.01	31	840	2	< 2	28	46	< 0.01	< 10	< 10	158	< 10	132
N111722	205	294	< 0.01	17	250	< 2	< 2	9	184	< 0.01	< 10	< 10	72	< 10	88
N111723	205	294	< 0.01	27	420	< 2	< 2	17	87	< 0.01	< 10	< 10	129	< 10	116
N111724	205	294	< 0.01	21	370	< 2	< 2	15	112	0.03	< 10	< 10	131	< 10	106
N111725	205	294	< 0.01	23	600	< 2	< 2	15	30	0.52	< 10	< 10	226	< 10	92
N111726	205	294	< 0.01	32	630	2	< 2	17	26	0.50	< 10	< 10	238	< 10	96
N111727	205	294	< 0.01	27	680	2	< 2	22	38	0.47	< 10	< 10	262	< 10	106
N111728	205	294	< 0.01	21	540	2	< 2	6	86	< 0.01	< 10	< 10	100	< 10	56
N111729	205	294	< 0.01	23	670	2	< 2	25	53	0.28	< 10	< 10	237	< 10	104
N111730	205	294	< 0.01	32	700	< 2	< 2	27	36	0.07	< 10	< 10	247	< 10	110
N111731	205	294	< 0.01	31	720	< 2	< 2	23	20	< 0.01	< 10	< 10	193	< 10	84
N111732	205	294	0.01	31	520	< 2	< 2	25	44	< 0.01	< 10	< 10	163	< 10	70
N111736	205	294	< 0.01	38	310	4	< 2	19	37	0.35	< 10	< 10	178	< 10	82
N111737	205	294	< 0.01	36	300	< 2	< 2	15	15	0.33	< 10	< 10	170	< 10	72
N111738	205	294	0.01	32	340	< 2	< 2	10	14	0.34	< 10	< 10	148	< 10	72
N111739	205	294	< 0.01	31	330	< 2	< 2	9	13	0.34	< 10	< 10	146	< 10	72
N111740	205	294	0.01	33	320	< 2	< 2	13	16	0.35	< 10	< 10	167	< 10	72

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CERTIFICATE OF ANALYSIS A9638238

SAMPLE	PREP CODE		Au ppb FA+AA	Cu %	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
N111672	208	294	< 5	0.19	< 0.2	3.64	< 2	990	< 0.5	< 2	2.00	2.0	66	84	1755	7.15	10	< 1	0.04	< 10	2.60
N111673	208	294	< 5	0.40	< 0.2	3.72	< 2	520	< 0.5	< 2	1.23	3.5	70	77	3710	9.99	10	1	0.03	< 10	2.52
N111674	208	294	< 5	0.17	< 0.2	3.40	< 2	250	< 0.5	< 2	1.03	1.5	58	42	1505	9.25	10	< 1	0.02	< 10	1.84
N111675	208	294	< 5	0.05	< 0.2	2.84	< 2	80	< 0.5	< 2	1.68	0.5	37	21	331	6.40	10	< 1	0.04	< 10	1.65
N111676	208	294	< 5	0.30	< 0.2	2.70	8	80	< 0.5	< 2	1.50	1.5	43	35	2770	7.21	40	1	0.07	< 10	1.94
N111677	208	294	< 5	0.95	< 0.2	3.16	< 2	100	< 0.5	< 2	1.43	3.0	57	49	9010	8.54	10	< 1	0.05	< 10	1.75
N111678	208	294	< 5	0.20	< 0.2	2.31	< 2	80	< 0.5	< 2	1.38	1.5	29	17	1740	6.10	10	< 1	0.10	< 10	1.38
N111679	208	294	< 5	0.30	< 0.2	2.67	< 2	70	< 0.5	< 2	1.68	3.0	36	19	2820	6.84	10	1	0.10	< 10	1.60
N111680	208	294	100	1.04	1.6	4.66	< 2	60	< 0.5	< 2	0.32	1.0	69	146	9480	9.55	< 10	1	0.05	< 10	1.13
N111681	208	294	570	1.99	8.4	0.34	30	< 10	< 0.5	Intf*	0.06	1.0	437	66	>10000	>15.00	10	< 1	< 0.01	< 10	0.04
N111682	208	294	10	0.89	< 0.2	3.97	< 2	60	< 0.5	< 2	1.76	4.5	35	135	8110	6.85	10	< 1	0.05	< 10	2.51
N111683	208	294	< 5	0.46	< 0.2	3.64	12	70	< 0.5	< 2	1.68	12.0	70	187	4090	6.99	10	1	0.03	< 10	2.67
N111684	208	294	< 5	0.09	< 0.2	4.07	< 2	300	< 0.5	< 2	2.89	7.0	63	154	618	6.04	10	< 1	0.03	< 10	2.68
N111685	208	294	< 5	0.20	< 0.2	3.72	< 2	410	< 0.5	< 2	2.67	4.0	54	150	1630	5.43	10	< 1	0.04	< 10	2.96
N111686	208	294	< 5	0.42	< 0.2	3.68	< 2	110	< 0.5	< 2	2.73	3.5	60	175	3560	5.66	< 10	< 1	0.02	< 10	3.16
N111687	208	294	< 5	0.06	< 0.2	4.24	< 2	60	< 0.5	< 2	3.88	1.5	36	136	574	4.73	10	< 1	0.03	< 10	3.05
N111688	208	294	< 5	0.03	< 0.2	4.38	< 2	50	< 0.5	< 2	4.01	< 0.5	33	163	277	4.70	10	< 1	< 0.01	< 10	3.63
N111689	208	294	< 5	0.06	< 0.2	4.18	< 2	50	< 0.5	< 2	1.99	0.5	39	174	576	4.90	< 10	1	0.04	< 10	3.76
N111690	208	294	< 5	0.09	< 0.2	4.52	< 2	170	< 0.5	< 2	2.57	3.0	46	198	905	5.41	10	< 1	< 0.01	< 10	3.98

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* INTERFERENCE: Cu on Bi and P

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SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N111672	208	294	1145	< 1	< 0.01	38	420	2	< 2	19	52	0.39	< 10	< 10	221	< 10	978
N111673	208	294	965	< 1	< 0.01	40	600	2	< 2	25	24	0.23	< 10	< 10	285	< 10	1145
N111674	208	294	785	< 1	< 0.01	33	730	2	< 2	25	20	0.28	< 10	< 10	292	< 10	1030
N111675	208	294	800	< 1	< 0.01	26	680	2	< 2	8	35	0.52	< 10	< 10	193	< 10	354
N111676	208	294	710	< 1	< 0.01	25	740	4	< 2	16	43	0.51	< 10	< 10	220	< 10	446
N111677	208	294	730	< 1	< 0.01	28	690	2	< 2	21	42	0.39	< 10	< 10	255	< 10	1240
N111678	208	294	780	< 1	< 0.01	23	700	2	< 2	6	25	0.50	< 10	< 10	176	< 10	272
N111679	208	294	1015	< 1	< 0.01	26	670	2	< 2	11	19	0.53	< 10	< 10	210	< 10	514
N111680	208	294	545	1	< 0.01	36	510	24	< 2	17	14	0.08	< 10	< 10	232	< 10	848
N111681	208	294	40	11	< 0.01	15	Intf*	56	< 2	2	3	< 0.01	< 10	10	153	< 10	768
N111682	208	294	870	< 1	< 0.01	53	270	2	< 2	12	17	0.21	< 10	< 10	126	< 10	572
N111683	208	294	1055	< 1	< 0.01	67	260	< 2	< 2	15	29	0.23	< 10	< 10	151	< 10	1905
N111684	208	294	1055	< 1	< 0.01	61	230	< 2	< 2	12	12	0.24	< 10	< 10	147	< 10	1380
N111685	208	294	1105	< 1	< 0.01	63	230	< 2	< 2	12	12	0.25	< 10	< 10	133	< 10	788
N111686	208	294	1210	< 1	< 0.01	64	240	2	< 2	16	9	0.25	< 10	< 10	144	< 10	860
N111687	208	294	1100	< 1	0.01	65	240	2	< 2	11	10	0.23	< 10	< 10	123	< 10	270
N111688	208	294	1015	< 1	< 0.01	63	240	< 2	< 2	11	11	0.26	< 10	< 10	141	< 10	140
N111689	208	294	855	< 1	0.01	63	220	< 2	< 2	10	5	0.25	< 10	< 10	126	< 10	260
N111690	208	294	925	< 1	< 0.01	67	220	< 2	< 2	16	9	0.26	< 10	< 10	153	< 10	528

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N111667	205	294	< 0.2	3.45	< 2	320	< 0.5	< 2	3.57	< 0.5	28	32	76	6.52	10	< 1	< 0.01	< 10	2.50	1355	< 1
N111668	205	294	< 0.2	3.52	< 2	390	< 0.5	< 2	3.93	< 0.5	28	63	50	5.96	10	< 1	< 0.01	< 10	2.57	1100	< 1
N111669	205	294	< 0.2	3.61	< 2	420	< 0.5	< 2	4.03	< 0.5	29	51	66	6.21	10	< 1	< 0.01	< 10	2.12	1140	< 1
N111670	205	294	< 0.2	3.23	< 2	250	< 0.5	< 2	3.26	< 0.5	26	34	67	5.32	10	1	0.01	< 10	1.85	940	< 1
N111671	205	294	< 0.2	3.17	< 2	580	< 0.5	< 2	2.99	< 0.5	26	29	78	5.50	10	< 1	< 0.01	< 10	2.00	910	< 1
N111691	205	294	< 0.2	3.97	< 2	170	< 0.5	< 2	2.74	0.5	27	95	73	3.86	< 10	< 1	0.07	< 10	2.84	895	< 1
N111692	205	294	< 0.2	4.42	< 2	150	< 0.5	< 2	4.10	< 0.5	34	141	79	4.39	10	< 1	0.04	< 10	2.80	1400	< 1
N111693	205	294	< 0.2	4.64	2	540	< 0.5	< 2	3.33	3.0	91	180	122	7.05	10	< 1	0.08	< 10	3.12	1895	< 1
N111694	205	294	< 0.2	3.92	< 2	510	< 0.5	< 2	2.39	4.0	69	146	122	6.61	10	< 1	0.02	< 10	3.07	1255	< 1
N111695	205	294	< 0.2	3.72	< 2	550	< 0.5	< 2	2.33	3.0	62	113	134	6.10	10	< 1	< 0.01	< 10	2.98	1090	< 1
N111696	205	294	< 0.2	3.76	< 2	50	< 0.5	< 2	3.50	< 0.5	24	104	90	4.39	10	< 1	0.04	< 10	2.40	1255	< 1
N111697	205	294	< 0.2	4.47	< 2	950	< 0.5	< 2	4.06	< 0.5	36	151	368	5.48	10	< 1	0.01	< 10	3.19	1495	< 1
N111698	205	294	< 0.2	3.21	< 2	30	< 0.5	< 2	2.77	< 0.5	23	57	84	5.37	10	< 1	< 0.01	< 10	2.01	645	< 1
N111699	205	294	< 0.2	3.07	< 2	60	< 0.5	< 2	2.29	< 0.5	22	80	80	4.97	10	< 1	< 0.01	< 10	2.44	665	< 1
N111700	205	294	< 0.2	3.39	< 2	50	< 0.5	< 2	2.15	< 0.5	22	93	84	6.02	10	< 1	< 0.01	< 10	2.63	650	< 1
N111701	205	294	0.8	3.93	< 2	40	< 0.5	< 2	2.28	2.0	33	122	384	7.65	10	< 1	0.04	< 10	3.17	795	< 1

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SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N111667	205	294	< 0.01	30	510	2	< 2	19	14	0.47	< 10	< 10	192	< 10	90
N111668	205	294	< 0.01	34	440	< 2	< 2	21	35	0.36	< 10	< 10	189	< 10	74
N111669	205	294	< 0.01	37	480	2	< 2	19	22	0.37	< 10	< 10	205	< 10	82
N111670	205	294	< 0.01	35	480	2	< 2	13	30	0.40	< 10	< 10	172	< 10	78
N111671	205	294	< 0.01	33	460	2	< 2	12	33	0.41	< 10	< 10	177	< 10	94
N111691	205	294	< 0.01	63	220	< 2	< 2	7	9	0.22	< 10	< 10	88	< 10	212
N111692	205	294	0.01	66	230	< 2	< 2	10	12	0.21	< 10	< 10	103	< 10	276
N111693	205	294	< 0.01	86	270	< 2	< 2	17	11	0.24	< 10	< 10	140	< 10	1845
N111694	205	294	< 0.01	63	320	2	< 2	15	53	0.30	< 10	< 10	152	< 10	1155
N111695	205	294	< 0.01	60	240	2	< 2	12	47	0.27	< 10	< 10	126	< 10	1390
N111696	205	294	0.01	62	250	< 2	< 2	9	49	0.22	< 10	< 10	111	< 10	92
N111697	205	294	< 0.01	72	340	< 2	< 2	12	21	0.20	< 10	< 10	133	< 10	168
N111698	205	294	< 0.01	30	360	< 2	< 2	6	7	0.29	< 10	< 10	156	< 10	152
N111699	205	294	0.01	34	350	< 2	< 2	6	10	0.31	< 10	< 10	132	< 10	212
N111700	205	294	0.01	35	360	< 2	< 2	7	8	0.28	< 10	< 10	139	< 10	322
N111701	205	294	< 0.01	47	360	10	< 2	12	12	0.35	< 10	< 10	169	< 10	1025

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SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
N111656	208	294	< 0.2	3.96	< 2	360	< 0.5	< 2	5.29	< 0.5	34	64	62	7.23	10	< 1	0.02	< 10	2.68	1655	< 1
N111657	208	294	< 0.2	4.71	< 2	100	< 0.5	< 2	2.45	< 0.5	39	42	59	9.03	10	< 1	0.04	< 10	2.90	1580	< 1
N111658	208	294	< 0.2	2.29	< 2	360	< 0.5	< 2	7.43	< 0.5	16	71	42	4.73	10	< 1	0.06	< 10	1.26	1700	< 1
N111659	208	294	< 0.2	3.73	< 2	300	< 0.5	< 2	4.06	< 0.5	33	64	70	7.01	10	< 1	0.07	< 10	2.27	1625	< 1
N111660	208	294	< 0.2	4.11	12	90	< 0.5	< 2	2.90	< 0.5	37	86	74	7.12	10	< 1	0.07	< 10	2.65	1280	< 1
N111661	208	294	< 0.2	3.94	6	80	< 0.5	< 2	4.62	< 0.5	35	85	71	7.29	10	< 1	0.03	< 10	2.45	1580	< 1
N111662	208	294	< 0.2	3.48	< 2	60	< 0.5	< 2	5.09	< 0.5	32	78	77	6.89	10	< 1	0.05	< 10	2.43	1380	< 1
N111663	208	294	< 0.2	2.23	2	90	< 0.5	< 2	4.90	< 0.5	19	73	93	5.71	10	< 1	0.03	< 10	1.13	1060	< 1
N111664	208	294	< 0.2	3.65	< 2	80	< 0.5	< 2	3.73	< 0.5	33	18	64	7.64	10	< 1	0.01	< 10	2.34	1570	< 1
N111665	208	294	< 0.2	2.90	< 2	60	< 0.5	< 2	2.39	< 0.5	29	21	55	6.47	10	1	< 0.01	< 10	1.95	1130	< 1
N111666	208	294	< 0.2	2.87	< 2	260	< 0.5	< 2	3.12	< 0.5	28	20	62	6.15	10	< 1	< 0.01	< 10	2.07	1125	< 1

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SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N111656	208	294	< 0.01	38	630	< 2	< 2	18	20	0.11	< 10	< 10	224	< 10	94
N111657	208	294	< 0.01	31	820	< 2	< 2	22	11	< 0.01	< 10	< 10	276	< 10	118
N111658	208	294	0.01	23	860	< 2	< 2	10	38	< 0.01	< 10	< 10	130	< 10	48
N111659	208	294	0.01	40	760	< 2	< 2	21	31	< 0.01	< 10	< 10	212	< 10	102
N111660	208	294	0.01	51	610	< 2	< 2	25	25	< 0.01	< 10	< 10	213	< 10	94
N111661	208	294	< 0.01	47	600	2	< 2	26	51	0.27	< 10	< 10	243	< 10	98
N111662	208	294	< 0.01	42	640	2	< 2	21	39	0.34	< 10	< 10	239	< 10	92
N111663	208	294	< 0.01	24	1110	2	< 2	11	17	0.16	< 10	< 10	177	< 10	74
N111664	208	294	< 0.01	22	700	< 2	< 2	22	49	0.33	< 10	< 10	265	< 10	106
N111665	208	294	< 0.01	17	640	2	< 2	11	37	0.47	< 10	< 10	188	< 10	94
N111666	208	294	< 0.01	23	630	2	< 2	10	37	0.50	< 10	< 10	175	< 10	88

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N110223	208	294	< 0.2	4.17	< 2	50	< 0.5	< 2	1.83	0.5	34	76	105	6.81	10	< 1	0.01	< 10	3.66	950	< 1
N110224	208	294	< 0.2	3.73	2	320	< 0.5	< 2	1.75	< 0.5	41	89	148	6.57	10	< 1	< 0.01	< 10	3.56	1060	< 1
N110225	208	294	< 0.2	3.96	< 2	140	< 0.5	< 2	3.59	< 0.5	27	96	84	5.54	10	< 1	0.04	< 10	2.63	820	< 1
N110226	208	294	< 0.2	3.72	< 2	410	< 0.5	< 2	2.02	< 0.5	26	60	72	5.41	10	< 1	0.08	< 10	3.16	905	< 1
N110227	208	294	< 0.2	3.40	< 2	460	< 0.5	< 2	2.15	< 0.5	27	66	154	5.57	10	< 1	0.03	< 10	2.83	1110	< 1
N110228	208	294	< 0.2	3.56	< 2	170	< 0.5	< 2	2.66	< 0.5	30	82	80	5.38	10	< 1	0.04	< 10	3.06	1050	< 1
N110229	208	294	< 0.2	3.38	< 2	120	< 0.5	< 2	2.54	< 0.5	30	64	71	5.65	10	< 1	0.04	< 10	2.55	915	< 1
N110230	208	294	< 0.2	3.42	< 2	110	< 0.5	< 2	2.74	< 0.5	34	100	107	5.95	10	1	0.05	< 10	3.02	1050	< 1
N110231	208	294	< 0.2	3.47	< 2	150	< 0.5	< 2	2.79	0.5	31	75	79	4.73	10	< 1	0.09	< 10	2.50	825	< 1
N110232	208	294	< 0.2	4.08	< 2	980	< 0.5	< 2	3.56	4.5	77	109	79	7.14	10	< 1	0.04	< 10	3.30	1305	< 1
N110233	208	294	< 0.2	3.76	< 2	140	< 0.5	< 2	3.77	< 0.5	35	77	79	6.41	10	< 1	0.01	< 10	2.83	1100	< 1
N110234	208	294	< 0.2	4.04	< 2	150	< 0.5	< 2	3.90	< 0.5	29	133	81	4.24	< 10	< 1	0.12	< 10	2.51	915	< 1
N110235	208	294	< 0.2	1.38	< 2	300	< 0.5	< 2	13.95	< 0.5	19	39	28	3.58	< 10	< 1	0.08	< 10	3.37	2450	< 1

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SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N110223	208	294	< 0.01	33	350	2	< 2	14	11	0.39	< 10	< 10	204	< 10	370
N110224	208	294	< 0.01	39	320	2	< 2	14	19	0.37	< 10	< 10	180	< 10	388
N110225	208	294	< 0.01	42	320	< 2	< 2	10	15	0.29	< 10	< 10	129	< 10	102
N110226	208	294	< 0.01	35	340	< 2	< 2	9	24	0.35	< 10	< 10	171	< 10	130
N110227	208	294	< 0.01	39	320	< 2	< 2	8	29	0.31	< 10	< 10	144	< 10	228
N110228	208	294	< 0.01	41	320	2	< 2	11	35	0.41	< 10	< 10	157	< 10	86
N110229	208	294	< 0.01	37	380	2	< 2	10	14	0.37	< 10	< 10	167	< 10	110
N110230	208	294	< 0.01	51	390	< 2	< 2	20	38	0.28	< 10	< 10	187	< 10	112
N110231	208	294	< 0.01	58	310	< 2	< 2	8	26	0.30	< 10	< 10	129	< 10	156
N110232	208	294	< 0.01	53	360	< 2	< 2	24	33	0.28	< 10	< 10	216	< 10	642
N110233	208	294	< 0.01	42	380	2	< 2	20	30	0.36	< 10	< 10	194	< 10	102
N110234	208	294	0.01	73	240	< 2	< 2	10	24	0.17	< 10	< 10	108	< 10	76
N110235	208	294	0.01	24	140	< 2	< 2	12	108	< 0.01	< 10	< 10	84	< 10	54

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SAMPLE	PREP CODE		Au ppb FA+AA	Cu %
N110215	244	--	< 5	0.02
N110216	244	--	100	0.22
N110217	244	--	25	0.45
N110218	244	--	20	0.32
N111534	244	--	< 5	0.15
N111535	244	--	5	0.21
N111536	244	--	< 5	0.28
N111537	244	--	< 5	0.39
N111538	244	--	< 5	0.62
N111539	244	--	< 5	0.37
N111540	244	--	20	0.47
N111541	244	--	< 5	0.46
N111542	244	--	< 5	0.17
N111543	244	--	30	0.58
N111544	244	--	10	0.36
N111545	244	--	15	0.29
N111546	244	--	< 5	0.10
N111547	244	--	5	0.13
N111548	244	--	< 5	0.34
N111549	244	--	< 5	0.28
N111550	244	--	< 5	0.04

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SAMPLE	PREP CODE		Au ppb FA+AA	Cu %
N111551	244	--	< 5	0.26
N111552	244	--	< 5	0.27
N111553	244	--	< 5	0.43
N111554	244	--	< 5	0.16
N111555	244	--	< 5	0.15
N111556	244	--	< 5	0.14
N111557	244	--	< 5	0.11
N111558	244	--	< 5	0.07
N111559	244	--	< 5	0.08
N111560	244	--	< 5	0.20

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SAMPLE	PREP CODE		Au ppb FA+AA	Cu %
N111487	244	--	< 5	0.21
N111488	244	--	< 5	0.24
N111489	244	--	< 5	0.42
N111490	244	--	< 5	0.35
N111491	244	--	< 5	0.21
N111492	244	--	< 5	0.35
N111493	244	--	< 5	0.21
N111494	244	--	< 5	0.53
N111495	244	--	< 5	0.34
N111496	244	--	< 5	0.28
N111497	244	--	< 5	1.61
N111498	244	--	< 5	0.19
N111499	244	--	< 5	0.17

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SAMPLE	PREP CODE		Au ppb FA+AA	Cu %								
N111503	244	--	< 5	0.14								
N111504	244	--	15	0.13								
N111505	244	--	15	0.14								
N111506	244	--	40	0.65								
N111507	244	--	25	0.28								
N111508	244	--	60	0.40								
N111509	244	--	30	0.36								
N111510	244	--	15	0.27								
N111511	244	--	10	0.25								
N111512	244	--	90	1.18								
N111515	244	--	< 5	0.19								
N111516	244	--	< 5	0.10								
N111517	244	--	15	1.00								
N111518	244	--	< 5	0.19								
N111519	244	--	< 5	0.20								
N111520	244	--	< 5	0.09								
N111521	244	--	25	0.23								
N111522	244	--	< 5	0.27								
N111523	244	--	10	0.09								
N111524	244	--	10	0.14								
N111525	244	--	< 5	0.10								
N111526	244	--	10	0.29								
N111527	244	--	< 5	0.01								
N111528	244	--	< 5	0.01								

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SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
N111647	205	294	< 0.2	3.53	16	100	< 0.5	2	1.63	1.0	90	107	114	7.16	10	< 1	0.01	< 10	2.67	1210	< 1
N111648	205	294	< 0.2	2.91	10	260	< 0.5	2	1.93	< 0.5	38	46	71	5.56	10	< 1	0.01	< 10	2.19	805	< 1
N111649	205	294	< 0.2	2.94	12	260	< 0.5	2	1.87	0.5	63	61	93	6.48	10	< 1	0.01	< 10	2.17	1015	< 1
N111650	205	294	< 0.2	3.36	24	270	< 0.5	2	1.88	6.5	141	83	86	8.97	10	< 1	< 0.01	< 10	2.45	1435	< 1
N111651	205	294	< 0.2	1.87	26	200	< 0.5	< 2	7.05	< 0.5	73	49	51	6.35	< 10	< 1	0.07	< 10	3.08	1905	< 1
N111652	205	294	< 0.2	2.03	16	170	< 0.5	< 2	6.90	< 0.5	56	32	54	5.74	< 10	< 1	0.08	< 10	2.78	1760	< 1
N111653	205	294	< 0.2	3.23	10	200	< 0.5	< 2	2.34	< 0.5	47	62	68	8.32	10	< 1	0.08	< 10	2.11	745	< 1
N111654	205	294	< 0.2	2.59	22	220	< 0.5	< 2	5.89	< 0.5	36	58	63	7.17	10	< 1	0.06	< 10	3.03	1265	< 1
N111655	205	294	< 0.2	1.57	16	310	< 0.5	< 2	5.22	< 0.5	21	55	62	4.11	< 10	< 1	0.08	< 10	2.48	1025	< 1

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SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N111647	205	294	0.01	52	360	2	< 2	25	20	0.25	< 10	< 10	171	< 10	632
N111648	205	294	0.01	33	410	2	< 2	13	25	0.35	< 10	< 10	146	< 10	152
N111649	205	294	0.01	39	510	2	< 2	20	21	0.29	< 10	< 10	178	< 10	448
N111650	205	294	< 0.01	46	500	< 2	< 2	32	12	0.38	< 10	< 10	243	< 10	1260
N111651	205	294	0.01	38	350	2	< 2	20	79	0.01	< 10	< 10	119	< 10	486
N111652	205	294	0.01	68	430	< 2	< 2	21	68	< 0.01	< 10	< 10	122	< 10	66
N111653	205	294	0.01	44	730	< 2	< 2	29	30	0.06	< 10	< 10	240	< 10	106
N111654	205	294	0.01	37	520	< 2	6	22	76	0.03	< 10	< 10	172	< 10	150
N111655	205	294	0.01	32	280	2	< 2	11	74	< 0.01	< 10	< 10	75	< 10	104

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SAMPLE	PREP CODE		Au ppb FA+AA	Cu %	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
N111635	205	294	< 5	0.13	0.2	3.56	22	180	< 0.5	< 2	1.21	1.0	30	80	1250	5.92	10	< 1	0.05	< 10	2.56
N111636	205	294	< 5	0.10	0.8	3.11	20	90	< 0.5	< 2	1.28	1.5	19	87	925	5.84	10	< 1	0.07	< 10	2.19
N111637	205	294	< 5	0.18	0.2	3.61	20	210	< 0.5	< 2	1.24	2.0	30	87	1760	6.15	10	1	0.04	< 10	2.63
N111638	205	294	< 5	0.38	< 0.2	3.09	18	100	< 0.5	< 2	1.29	6.5	40	89	3690	6.33	10	< 1	0.10	< 10	2.37
N111639	205	294	< 5	0.14	< 0.2	2.56	16	100	< 0.5	< 2	1.63	4.0	25	42	1275	4.41	< 10	< 1	0.13	< 10	1.51
N111640	205	294	< 5	0.17	< 0.2	3.66	16	80	< 0.5	< 2	2.56	5.5	30	85	1625	5.23	10	< 1	0.03	< 10	2.05
N111641	205	294	< 5	0.25	< 0.2	3.15	20	130	< 0.5	< 2	1.69	3.0	34	89	2350	5.35	10	< 1	0.11	< 10	1.93
N111642	205	294	< 5	0.20	< 0.2	3.16	12	160	< 0.5	< 2	1.93	2.0	34	74	1865	4.98	10	< 1	0.03	< 10	2.06
N111643	205	294	< 5	0.15	< 0.2	2.72	22	550	< 0.5	2	1.55	1.5	64	69	1375	5.49	10	< 1	0.17	< 10	1.61
N111644	205	294	< 5	0.22	< 0.2	2.57	10	170	< 0.5	< 2	1.28	2.0	60	52	2090	6.19	10	< 1	0.14	< 10	1.83
N111645	205	294	< 5	0.38	< 0.2	2.90	16	80	< 0.5	< 2	0.80	2.0	67	105	3390	7.15	10	1	0.05	< 10	2.16
N111646	205	294	< 5	0.79	< 0.2	1.51	50	70	< 0.5	< 2	0.18	7.0	474	50	7680	>15.00	10	< 1	0.05	< 10	0.48

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SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N111635	205	294	825	< 1	0.01	35	300	4	2	19	11	0.33	< 10	< 10	167	< 10	362
N111636	205	294	625	< 1	0.01	41	280	6	< 2	18	9	0.35	< 10	< 10	159	< 10	368
N111637	205	294	715	< 1	0.01	36	320	2	< 2	18	11	0.29	< 10	< 10	164	< 10	386
N111638	205	294	510	< 1	0.01	45	440	< 2	< 2	22	9	0.26	< 10	< 10	167	< 10	308
N111639	205	294	405	< 1	0.01	32	400	< 2	< 2	9	9	0.23	< 10	< 10	108	< 10	154
N111640	205	294	530	< 1	0.03	43	380	< 2	< 2	15	12	0.32	< 10	< 10	140	< 10	162
N111641	205	294	505	< 1	0.02	39	390	< 2	< 2	14	19	0.24	< 10	< 10	135	< 10	244
N111642	205	294	570	< 1	0.02	38	310	< 2	< 2	11	18	0.29	< 10	< 10	129	< 10	202
N111643	205	294	820	< 1	0.02	40	430	2	< 2	14	18	0.23	< 10	< 10	129	< 10	494
N111644	205	294	765	< 1	0.03	34	370	2	< 2	13	14	0.29	< 10	< 10	141	< 10	498
N111645	205	294	690	< 1	0.01	47	430	< 2	< 2	20	15	0.17	< 10	< 10	152	< 10	542
N111646	205	294	1970	< 1	< 0.01	73	330	2	< 2	18	4	< 0.01	< 10	< 10	97	10	5240

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SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
N111587	205	294	0.2	3.42	8	790	< 0.5	2	2.46	< 0.5	28	17	62	6.40	10	< 1	0.05	< 10	1.36	705	< 1
N111588	205	294	0.2	3.28	2	1030	< 0.5	< 2	2.48	< 0.5	25	16	57	6.22	10	1	0.06	< 10	1.24	695	< 1
N111589	205	294	< 0.2	3.35	< 2	670	< 0.5	< 2	2.65	< 0.5	25	15	58	6.28	10	< 1	0.03	< 10	1.46	725	< 1
N111590	205	294	0.2	3.45	< 2	630	< 0.5	2	2.49	< 0.5	25	14	58	6.29	10	< 1	0.03	< 10	1.38	690	< 1
N111591	205	294	0.2	3.24	6	690	< 0.5	2	2.67	< 0.5	25	12	61	6.22	10	< 1	0.05	< 10	1.26	725	< 1
N111592	205	294	< 0.2	3.05	6	590	< 0.5	< 2	2.31	< 0.5	26	12	61	6.19	10	< 1	0.04	< 10	1.31	830	< 1
N111593	205	294	< 0.2	3.08	10	280	< 0.5	2	2.21	< 0.5	25	35	74	5.80	10	< 1	0.01	< 10	2.11	885	< 1
N111594	205	294	0.2	3.66	4	240	< 0.5	< 2	2.37	< 0.5	27	63	118	5.89	10	< 1	< 0.01	< 10	2.33	920	< 1
N111595	205	294	< 0.2	3.76	8	440	< 0.5	2	3.34	< 0.5	28	54	84	5.76	10	< 1	0.02	< 10	1.89	1065	< 1
N111596	205	294	0.2	3.44	6	290	< 0.5	< 2	1.63	0.5	26	84	170	6.90	10	< 1	0.01	< 10	2.40	1065	< 1

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N111587	205	294	< 0.01	24	640	2	< 2	7	16	0.56	< 10	< 10	220	< 10	82
N111588	205	294	0.01	22	630	< 2	< 2	6	15	0.47	< 10	< 10	200	< 10	82
N111589	205	294	< 0.01	23	640	< 2	2	7	23	0.52	< 10	< 10	204	< 10	80
N111590	205	294	0.01	23	660	< 2	< 2	7	24	0.54	< 10	< 10	206	< 10	80
N111591	205	294	0.01	23	650	< 2	< 2	7	28	0.59	< 10	< 10	210	< 10	88
N111592	205	294	< 0.01	23	670	< 2	2	8	18	0.59	< 10	< 10	208	< 10	86
N111593	205	294	0.01	31	700	2	< 2	8	12	0.48	< 10	< 10	188	< 10	84
N111594	205	294	0.01	35	400	< 2	< 2	8	11	0.41	< 10	< 10	169	< 10	160
N111595	205	294	0.01	33	430	2	4	9	14	0.42	< 10	< 10	194	< 10	150
N111596	205	294	< 0.01	37	420	4	< 2	17	7	0.47	< 10	< 10	201	< 10	634

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SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
N111575	205	294	0.2	4.45	< 2	320	< 0.5	2	1.26	1.0	36	110	1350	8.00	10	1	0.04	< 10	3.42	1005	< 1
N111576	205	294	0.2	4.42	4	120	< 0.5	2	0.94	< 0.5	48	142	1090	8.54	10	< 1	0.01	< 10	3.86	1070	< 1
N111577	205	294	0.2	4.77	6	230	< 0.5	< 2	0.79	< 0.5	45	138	943	8.56	10	< 1	0.02	< 10	4.34	990	< 1
N111578	205	294	0.2	4.89	< 2	80	< 0.5	2	0.85	< 0.5	50	140	1135	7.71	10	< 1	0.05	< 10	4.84	865	< 1
N111579	205	294	0.6	5.08	12	160	< 0.5	< 2	0.81	< 0.5	55	150	2430	11.00	10	< 1	0.04	< 10	3.72	560	< 1
N111580	205	294	1.4	3.88	10	200	< 0.5	< 2	0.45	< 0.5	43	127	3600	>15.00	10	< 1	0.08	< 10	1.50	200	4
N111581	205	294	0.4	5.24	6	260	< 0.5	< 2	1.35	1.0	49	121	3430	12.00	10	< 1	0.03	< 10	3.04	585	1
N111582	205	294	< 0.2	3.71	2	120	< 0.5	< 2	2.33	0.5	47	97	464	5.99	10	< 1	0.02	< 10	2.83	760	< 1
N111583	205	294	< 0.2	3.71	6	70	< 0.5	< 2	2.72	< 0.5	35	69	90	5.41	10	< 1	0.04	< 10	2.54	855	< 1
N111584	205	294	< 0.2	3.89	6	430	< 0.5	< 2	3.51	< 0.5	34	146	80	4.75	10	< 1	0.08	< 10	3.23	1050	< 1
N111585	205	294	< 0.2	4.19	4	130	< 0.5	< 2	4.55	< 0.5	33	150	84	4.02	< 10	< 1	0.07	< 10	2.76	1020	< 1
N111586	205	294	< 0.2	4.06	< 2	80	< 0.5	2	3.72	< 0.5	39	156	74	5.39	10	< 1	0.04	< 10	3.83	1015	< 1

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N111575	205	294	< 0.01	45	340	< 2	4	28	9	0.33	< 10	< 10	221	< 10	524
N111576	205	294	< 0.01	52	270	< 2	2	19	11	0.34	< 10	< 10	223	< 10	396
N111577	205	294	< 0.01	49	310	< 2	2	19	11	0.33	< 10	< 10	232	< 10	292
N111578	205	294	< 0.01	52	290	< 2	< 2	22	15	0.36	< 10	< 10	215	< 10	306
N111579	205	294	< 0.01	40	230	2	2	23	11	0.20	< 10	< 10	203	< 10	518
N111580	205	294	< 0.01	21	190	10	8	16	6	0.04	< 10	< 10	178	< 10	602
N111581	205	294	< 0.01	46	200	4	8	21	11	0.16	< 10	< 10	202	< 10	886
N111582	205	294	0.01	41	290	< 2	< 2	16	9	0.31	< 10	< 10	181	< 10	392
N111583	205	294	0.01	33	270	< 2	< 2	12	8	0.26	< 10	< 10	152	< 10	118
N111584	205	294	0.01	71	240	< 2	< 2	15	15	0.26	< 10	< 10	136	< 10	90
N111585	205	294	0.01	78	220	< 2	4	11	10	0.24	< 10	< 10	113	< 10	116
N111586	205	294	< 0.01	62	290	< 2	< 2	21	15	0.32	< 10	< 10	182	< 10	118

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SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
N111623	205	294	< 0.2	2.72	< 2	60	< 0.5	< 2	2.20	< 0.5	20	114	72	3.93	< 10	< 1	0.07	< 10	1.77	550	1
N111624	205	294	< 0.2	2.94	2	60	< 0.5	< 2	2.44	< 0.5	22	56	69	4.81	< 10	< 1	0.07	< 10	1.81	650	< 1
N111625	205	294	< 0.2	3.65	2	60	< 0.5	2	3.10	0.5	35	83	354	4.97	10	< 1	0.05	< 10	1.95	630	< 1
N111626	205	294	1.8	4.11	6	220	< 0.5	< 2	0.40	< 0.5	57	187	3000	14.60	10	< 1	0.01	< 10	2.44	355	1
N111627	205	294	0.8	4.30	8	180	< 0.5	2	0.77	< 0.5	48	187	1925	9.01	10	< 1	0.01	< 10	3.07	485	< 1
N111628	205	294	0.2	4.16	2	90	< 0.5	< 2	3.18	< 0.5	27	61	212	4.73	< 10	< 1	0.16	< 10	2.28	800	< 1
N111629	205	294	< 0.2	3.96	8	80	< 0.5	< 2	3.67	< 0.5	24	52	92	4.25	< 10	< 1	0.21	< 10	1.88	795	< 1
N111630	205	294	0.2	3.75	6	70	< 0.5	< 2	3.13	< 0.5	25	75	76	5.41	10	< 1	0.02	< 10	2.53	860	< 1
N111631	205	294	< 0.2	4.08	< 2	70	< 0.5	< 2	4.10	< 0.5	26	78	76	5.41	10	< 1	0.03	< 10	2.60	1000	< 1
N111632	205	294	< 0.2	4.12	6	120	< 0.5	< 2	3.95	< 0.5	25	142	78	4.00	10	< 1	0.09	< 10	2.56	890	< 1
N111633	205	294	< 0.2	4.56	< 2	90	< 0.5	< 2	4.25	< 0.5	25	174	79	4.23	10	1	0.05	< 10	2.57	870	< 1
N111634	205	294	< 0.2	3.61	8	120	< 0.5	< 2	5.46	< 0.5	21	148	63	3.50	< 10	< 1	0.07	< 10	2.22	790	< 1

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SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N111623	205	294	0.04	40	300	4	2	7	8	0.29	< 10	< 10	118	< 10	66
N111624	205	294	0.02	32	390	< 2	< 2	6	7	0.34	< 10	< 10	139	< 10	68
N111625	205	294	0.03	39	330	< 2	2	10	8	0.34	< 10	< 10	156	< 10	132
N111626	205	294	< 0.01	27	130	2	2	21	5	0.11	< 10	< 10	172	< 10	448
N111627	205	294	< 0.01	42	180	2	4	24	10	0.19	< 10	< 10	169	< 10	586
N111628	205	294	< 0.01	66	240	< 2	< 2	10	11	0.31	< 10	< 10	126	< 10	244
N111629	205	294	< 0.01	62	270	< 2	6	8	13	0.29	< 10	< 10	112	< 10	180
N111630	205	294	0.02	36	320	4	2	10	12	0.39	< 10	< 10	176	< 10	92
N111631	205	294	0.01	40	310	< 2	2	9	18	0.38	< 10	< 10	169	< 10	66
N111632	205	294	0.02	77	220	< 2	2	7	15	0.25	< 10	< 10	106	< 10	52
N111633	205	294	0.03	74	220	< 2	< 2	9	14	0.25	< 10	< 10	120	< 10	56
N111634	205	294	0.01	64	210	< 2	2	10	22	0.20	< 10	< 10	95	< 10	42

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SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
N111597	205	294	< 0.2	4.21	10	70	< 0.5	< 2	3.86	< 0.5	29	120	76	4.68	10	< 1	0.04	< 10	2.61	875	< 1
N111598	205	294	0.2	3.61	8	60	< 0.5	2	3.08	< 0.5	26	36	71	5.74	10	< 1	< 0.01	< 10	2.11	810	< 1
N111599	205	294	< 0.2	3.35	6	40	< 0.5	2	3.08	< 0.5	28	40	73	5.91	10	< 1	< 0.01	< 10	2.19	805	< 1
N111600	205	294	< 0.2	3.72	2	40	< 0.5	< 2	3.32	< 0.5	26	28	73	5.69	10	< 1	< 0.01	< 10	1.88	780	< 1
N111601	205	294	< 0.2	3.66	< 2	100	< 0.5	< 2	3.81	< 0.5	27	39	65	5.94	10	< 1	< 0.01	< 10	2.16	860	< 1
N111602	205	294	0.2	3.94	2	290	< 0.5	< 2	3.84	< 0.5	30	55	68	6.58	10	< 1	< 0.01	< 10	2.36	990	< 1
N111603	205	294	0.2	3.49	< 2	100	< 0.5	< 2	3.20	< 0.5	27	30	72	5.98	10	< 1	0.04	< 10	1.80	820	< 1
N111604	205	294	< 0.2	3.46	< 2	50	< 0.5	< 2	2.97	< 0.5	27	31	69	5.76	10	< 1	0.02	< 10	1.83	755	< 1

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SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N111597	205	294	0.02	61	290	< 2	< 2	12	23	0.35	< 10	< 10	154	< 10	82
N111598	205	294	< 0.01	32	480	2	< 2	11	15	0.51	< 10	< 10	197	< 10	74
N111599	205	294	0.01	35	480	< 2	< 2	14	17	0.54	< 10	< 10	216	< 10	74
N111600	205	294	< 0.01	35	480	< 2	4	9	12	0.49	< 10	< 10	200	< 10	68
N111601	205	294	< 0.01	33	430	< 2	< 2	12	19	0.51	< 10	< 10	206	< 10	74
N111602	205	294	< 0.01	38	460	< 2	2	18	18	0.51	< 10	< 10	232	< 10	78
N111603	205	294	0.01	35	490	4	2	11	19	0.41	< 10	< 10	189	< 10	76
N111604	205	294	0.01	34	470	< 2	< 2	11	21	0.42	< 10	< 10	189	< 10	70

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N111605	205	294	0.2	3.92	8	160	< 0.5	2	2.20	1.5	32	62	1275	6.16	10	< 1	0.01	< 10	2.73	815	< 1
N111606	205	294	< 0.2	4.38	4	160	< 0.5	< 2	0.76	0.5	88	159	3140	10.10	10	< 1	0.10	< 10	3.03	845	< 1
N111607	205	294	0.2	3.80	4	120	< 0.5	2	1.80	2.5	72	105	3040	8.79	10	< 1	0.07	< 10	2.74	660	< 1
N111608	205	294	< 0.2	4.44	2	150	< 0.5	< 2	1.80	2.5	56	131	3560	9.38	10	< 1	0.06	< 10	2.86	690	< 1
N111609	205	294	< 0.2	2.77	2	110	< 0.5	< 2	0.49	< 0.5	100	61	3910	11.45	< 10	< 1	0.07	< 10	1.00	420	< 1
N111610	205	294	< 0.2	3.84	< 2	230	< 0.5	< 2	1.27	4.0	93	97	8190	10.30	10	< 1	0.03	< 10	2.18	705	< 1
N111611	205	294	< 0.2	3.96	8	70	< 0.5	< 2	0.46	< 0.5	131	114	1125	9.48	10	< 1	0.03	< 10	2.02	1245	< 1
N111612	205	294	< 0.2	3.65	< 2	120	< 0.5	< 2	2.32	< 0.5	61	96	326	8.25	10	< 1	0.01	< 10	2.72	1515	< 1
N111613	205	294	< 0.2	3.71	< 2	150	< 0.5	< 2	2.18	< 0.5	48	91	122	7.85	10	< 1	0.01	< 10	2.63	1260	< 1
N111614	205	294	< 0.2	3.64	2	300	< 0.5	< 2	2.60	< 0.5	38	87	117	7.18	10	< 1	0.02	< 10	2.31	1385	< 1
N111615	205	294	< 0.2	3.77	10	110	< 0.5	< 2	2.38	< 0.5	36	75	87	7.24	10	< 1	0.02	< 10	2.69	1210	< 1
N111616	205	294	< 0.2	3.50	< 2	130	< 0.5	< 2	4.10	< 0.5	45	64	77	7.43	10	< 1	0.04	< 10	2.89	1670	< 1
N111617	205	294	< 0.2	3.87	2	60	< 0.5	< 2	1.87	< 0.5	49	85	131	7.59	10	1	0.03	< 10	2.55	1660	< 1
N111618	205	294	< 0.2	1.75	10	330	< 0.5	< 2	1.95	< 0.5	20	34	60	4.05	< 10	< 1	0.32	10	1.32	1500	< 1
N111619	205	294	< 0.2	0.53	8	260	< 0.5	< 2	2.24	< 0.5	13	19	51	2.90	< 10	< 1	0.28	10	0.88	1955	1
N111620	205	294	< 0.2	0.90	8	280	< 0.5	< 2	2.52	< 0.5	14	47	63	3.66	< 10	< 1	0.20	< 10	1.01	2580	1
N111621	205	294	< 0.2	0.70	2	330	< 0.5	< 2	1.65	< 0.5	6	30	46	1.59	< 10	< 1	0.22	< 10	0.71	950	< 1
N111622	205	294	< 0.2	0.50	4	220	< 0.5	< 2	0.36	< 0.5	6	16	61	1.16	< 10	< 1	0.15	< 10	0.24	365	< 1

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N111605	205	294	0.01	34	320	4	2	20	9	0.47	< 10	< 10	209	< 10	284
N111606	205	294	0.02	59	350	2	< 2	33	7	0.09	< 10	< 10	258	< 10	898
N111607	205	294	< 0.01	46	260	< 2	2	28	9	0.37	< 10	< 10	229	< 10	750
N111608	205	294	0.01	49	300	2	2	30	12	0.34	< 10	< 10	249	< 10	642
N111609	205	294	0.01	47	560	2	4	21	8	< 0.01	< 10	< 10	156	< 10	982
N111610	205	294	0.01	63	360	< 2	< 2	34	10	0.27	< 10	< 10	261	< 10	1075
N111611	205	294	0.02	69	390	< 2	4	33	8	< 0.01	< 10	< 10	243	< 10	944
N111612	205	294	0.01	47	340	< 2	2	26	24	0.22	< 10	< 10	201	< 10	498
N111613	205	294	0.03	44	400	< 2	2	24	16	0.27	< 10	< 10	237	< 10	374
N111614	205	294	0.03	45	400	< 2	< 2	24	21	0.22	< 10	< 10	231	< 10	398
N111615	205	294	0.03	43	430	< 2	< 2	21	16	0.28	< 10	< 10	211	< 10	364
N111616	205	294	0.02	41	390	< 2	< 2	26	45	0.02	< 10	< 10	191	< 10	186
N111617	205	294	0.03	42	500	2	2	28	17	< 0.01	< 10	< 10	231	< 10	408
N111618	205	294	< 0.01	32	720	8	2	9	23	< 0.01	< 10	< 10	78	< 10	116
N111619	205	294	< 0.01	28	770	10	< 2	4	24	< 0.01	< 10	< 10	29	< 10	100
N111620	205	294	< 0.01	27	370	6	< 2	5	25	< 0.01	< 10	< 10	57	< 10	66
N111621	205	294	< 0.01	19	130	8	< 2	2	20	< 0.01	< 10	< 10	20	< 10	44
N111622	205	294	< 0.01	20	110	6	< 2	1	5	< 0.01	< 10	< 10	11	< 10	24

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SAMPLE	PREP CODE		Au ppb FA+AA	Cu %
N111470	244	--	< 5	0.09
N111471	244	--	< 5	0.10
N111472	244	--	< 5	0.23
N111473	244	--	< 5	0.24
N111474	244	--	< 5	0.22
N111475	244	--	< 5	0.36
N111476	244	--	< 5	0.37
N111480	244	--	50	0.81
N111481	244	--	30	2.12
N111482	244	--	20	2.40
N111483	244	--	< 5	1.95
N111484	244	--	< 5	0.26
N111485	244	--	< 5	0.20

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SAMPLE	PREP CODE		Au ppb FA+AA	Cu %
N111423	244	--	< 5	2.03
N111436	244	--	< 5	0.42
N111437	244	--	35	0.28
N111452	244	--	< 5	0.10
N111453	244	--	10	0.30
N111454	244	--	80	0.23
N111455	244	--	< 5	0.11

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SAMPLE	PREP CODE		Au ppb FA+AA	Cu %
N111394	244	--	10	0.26
N111395	244	--	30	0.56
N111396	244	--	5	0.26
N111397	244	--	15	0.94
N111398	244	--	10	0.23
N111399	244	--	5	0.40
N111400	244	--	< 5	0.41
N111401	244	--	< 5	0.09
N111402	244	--	< 5	0.91
N111403	244	--	< 5	0.57
N111404	244	--	35	0.42
N111405	244	--	< 5	2.04
N111406	244	--	< 5	2.23
N111407	244	--	< 5	1.69
N111410	244	--	40	1.93
N111411	244	--	25	1.07
N111412	244	--	10	1.37
N111413	244	--	45	3.43
N111414	244	--	20	0.73
N111415	244	--	< 5	1.08
N111416	244	--	< 5	0.53
N111417	244	--	< 5	0.79
N111418	244	--	< 5	0.82

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SAMPLE	PREP CODE		Au ppb FA+AA	Cu %								
N111363	244	--	< 5	0.15								
N111364	244	--	< 5	0.15								
N111365	244	--	< 5	0.35								

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SAMPLE	PREP CODE		Au ppb FA+AA	Cu %
N110255	244	--	< 5	0.89
N110262	244	--	< 5	0.83
N110263	244	--	< 5	-----
N110264	244	--	< 5	-----
N110265	244	--	15	-----
N110266	244	--	10	-----
N110271	244	--	25	-----
N110272	244	--	30	-----
N110273	244	--	25	-----
N110274	244	--	< 5	0.39

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SAMPLE	PREP CODE		Au ppb FA+AA	Cu %
N110953	244	--	< 5	0.25
N110954	244	--	< 5	0.42
N110955	244	--	20	0.39

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SAMPLE	PREP CODE		Cu %
N110833	244	--	0.18
N110834	244	--	0.29
N110835	244	--	0.38
N110836	244	--	0.02
N110837	244	--	< 0.01
N110838	244	--	0.25
N110890	244	--	0.59
N110891	244	--	0.86
N110892	244	--	0.45
N110893	244	--	0.28

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SAMPLE	PREP CODE		Au ppb FA+AA	Cu %
N110802	244	--	< 5	0.25
N110803	244	--	< 5	0.13
N110804	244	--	< 5	0.16
N110805	244	--	< 5	0.08
N110806	244	--	< 5	0.16
N110807	244	--	< 5	0.19
N110808	244	--	< 5	0.28
N110809	244	--	< 5	0.28
N110810	244	--	< 5	-----
N110811	244	--	< 5	-----
N110812	244	--	< 5	-----
N110813	244	--	< 5	0.32
N110814	244	--	< 5	0.54
N110815	244	--	< 5	0.50
N110816	244	--	20	0.56
N110817	244	--	5	0.63
N110818	244	--	< 5	0.24
N110819	244	--	10	0.20
N110820	244	--	< 5	0.20
N110821	244	--	< 5	0.32
N110822	244	--	< 5	0.27
N110823	244	--	< 5	0.39

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SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
N111551	205	294	< 0.2	4.26	< 2	110	< 0.5	< 2	0.61	< 0.5	18	127	2490	8.34	10	< 1	< 0.01	< 10	1.75	405	< 1
N111552	205	294	< 0.2	3.45	< 2	1250	< 0.5	< 2	0.65	0.5	20	110	2610	7.34	10	< 1	< 0.01	< 10	1.73	425	< 1
N111553	205	294	< 0.2	3.76	< 2	510	< 0.5	< 2	0.43	< 0.5	29	143	4130	10.80	10	< 1	< 0.01	< 10	1.88	530	< 1
N111554	205	294	< 0.2	5.81	< 2	1110	< 0.5	< 2	0.24	< 0.5	27	125	1575	8.56	10	< 1	0.05	< 10	2.97	1025	< 1
N111555	205	294	< 0.2	1.41	< 2	270	< 0.5	< 2	0.10	< 0.5	7	82	1440	7.58	< 10	< 1	0.11	< 10	0.31	75	< 1
N111556	205	294	< 0.2	1.93	12	490	< 0.5	< 2	0.09	< 0.5	8	48	1330	5.11	< 10	< 1	0.28	10	0.51	235	< 1
N111557	205	294	< 0.2	0.71	2	330	< 0.5	< 2	0.05	< 0.5	4	65	1130	4.10	< 10	< 1	0.11	< 10	0.12	45	< 1
N111558	205	294	< 0.2	0.43	2	390	< 0.5	< 2	0.03	< 0.5	12	75	694	2.37	< 10	< 1	0.10	10	0.07	55	< 1
N111559	205	294	0.2	0.99	6	420	< 0.5	< 2	0.06	< 0.5	4	66	841	2.73	< 10	< 1	0.14	10	0.19	90	2
N111560	205	294	< 0.2	1.00	4	380	< 0.5	< 2	0.05	< 0.5	6	117	2120	1.92	< 10	< 1	0.09	< 10	0.07	45	3
N111561	205	294	< 0.2	0.82	4	420	< 0.5	< 2	0.03	< 0.5	4	93	376	1.90	< 10	< 1	0.11	< 10	0.28	200	8
N111562	205	294	< 0.2	0.95	6	440	< 0.5	< 2	0.04	< 0.5	5	92	687	2.39	< 10	< 1	0.13	10	0.33	250	3
N111563	205	294	< 0.2	0.94	6	370	< 0.5	< 2	0.06	< 0.5	9	92	881	2.27	< 10	< 1	0.14	10	0.35	390	1

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
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SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N111551	205	294	< 0.01	25	230	< 2	< 2	36	21	0.16	< 10	< 10	208	< 10	150
N111552	205	294	< 0.01	22	280	< 2	< 2	32	23	0.20	< 10	< 10	196	< 10	154
N111553	205	294	< 0.01	25	370	< 2	< 2	27	15	0.15	< 10	< 10	275	< 10	162
N111554	205	294	< 0.01	34	420	2	< 2	41	20	< 0.01	< 10	< 10	263	< 10	170
N111555	205	294	< 0.01	8	310	4	< 2	10	3	< 0.01	< 10	< 10	101	< 10	66
N111556	205	294	< 0.01	27	890	18	< 2	25	22	< 0.01	< 10	< 10	54	< 10	150
N111557	205	294	< 0.01	8	220	6	< 2	4	2	< 0.01	< 10	< 10	33	< 10	54
N111558	205	294	< 0.01	9	130	4	< 2	2	2	< 0.01	< 10	< 10	14	< 10	128
N111559	205	294	< 0.01	11	180	12	< 2	6	5	< 0.01	< 10	< 10	20	< 10	122
N111560	205	294	< 0.01	11	140	8	< 2	3	3	< 0.01	< 10	< 10	23	< 10	78
N111561	205	294	< 0.01	12	110	6	< 2	1	4	< 0.01	< 10	< 10	25	< 10	68
N111562	205	294	< 0.01	13	180	6	< 2	2	4	< 0.01	< 10	< 10	29	< 10	106
N111563	205	294	< 0.01	23	140	12	< 2	1	5	< 0.01	< 10	< 10	19	< 10	176

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SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
N111564	205	294	< 0.2	0.17	< 2	920	< 0.5	< 2	0.04	< 0.5	5	162	177	6.61	< 10	< 1	< 0.01	< 10	0.01	60	< 1
N111565	205	294	< 0.2	3.99	< 2	290	< 0.5	< 2	1.59	0.5	47	56	1310	7.77	10	< 1	0.06	< 10	2.37	865	< 1
N111566	205	294	< 0.2	3.48	< 2	220	< 0.5	< 2	2.13	0.5	123	66	520	7.69	10	< 1	< 0.01	< 10	2.49	1825	< 1
N111567	205	294	< 0.2	3.28	< 2	220	< 0.5	< 2	2.73	0.5	48	147	62	5.87	10	< 1	0.05	< 10	1.47	1440	< 1
N111568	205	294	< 0.2	3.95	< 2	190	< 0.5	< 2	2.18	0.5	64	110	199	7.79	10	< 1	< 0.01	< 10	3.31	1760	< 1
N111569	205	294	< 0.2	3.41	< 2	130	< 0.5	< 2	3.32	< 0.5	41	92	89	6.32	10	< 1	< 0.01	< 10	2.70	1465	< 1
N111570	205	294	< 0.2	3.80	< 2	260	< 0.5	< 2	5.92	< 0.5	45	88	102	6.71	10	< 1	0.06	< 10	2.39	2010	< 1
N111571	205	294	< 0.2	3.59	< 2	380	< 0.5	< 2	4.27	< 0.5	35	74	66	7.18	10	1	0.06	< 10	2.71	1245	< 1
N111572	205	294	< 0.2	3.10	< 2	370	< 0.5	< 2	8.31	< 0.5	28	72	59	6.10	10	< 1	0.06	< 10	2.50	1930	< 1
N111573	205	294	< 0.2	4.06	< 2	180	< 0.5	< 2	3.05	< 0.5	39	112	70	8.95	10	1	0.10	< 10	2.45	1320	< 1
N111574	205	294	< 0.2	3.73	< 2	230	< 0.5	< 2	3.45	< 0.5	25	61	69	5.97	10	< 1	0.14	< 10	2.15	1205	< 1

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SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N111564	205	294	< 0.01	6	110	14	< 2	1	7	< 0.01	< 10	< 10	103	< 10	94
N111565	205	294	< 0.01	44	620	2	< 2	20	57	0.30	< 10	< 10	248	< 10	318
N111566	205	294	< 0.01	44	590	< 2	< 2	30	91	0.58	< 10	< 10	244	< 10	476
N111567	205	294	< 0.01	44	460	< 2	< 2	28	351	0.03	< 10	< 10	184	< 10	216
N111568	205	294	< 0.01	56	440	2	< 2	29	23	0.32	< 10	< 10	209	< 10	250
N111569	205	294	< 0.01	47	400	< 2	< 2	24	38	0.42	< 10	< 10	201	< 10	136
N111570	205	294	< 0.01	45	300	< 2	< 2	27	66	0.08	< 10	< 10	202	< 10	158
N111571	205	294	< 0.01	38	430	< 2	< 2	30	62	0.32	< 10	< 10	246	< 10	92
N111572	205	294	< 0.01	35	290	< 2	< 2	25	70	0.07	< 10	< 10	181	< 10	84
N111573	205	294	< 0.01	49	410	< 2	< 2	38	31	0.17	< 10	< 10	263	< 10	116
N111574	205	294	< 0.01	31	570	< 2	< 2	20	88	< 0.01	< 10	< 10	113	< 10	114

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SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
N110215	205	294	0.4	4.54	10	60	< 0.5	< 2	4.39	< 0.5	28	104	171	8.01	< 10	< 1	< 0.01	< 10	4.35	1110	< 1
N110216	205	294	3.8	4.41	2	100	< 0.5	< 2	1.17	3.0	59	133	1950	9.74	10	< 1	< 0.01	< 10	4.09	675	1
N110217	205	294	1.0	4.20	4	10	< 0.5	< 2	0.59	3.0	215	107	4390	13.95	10	< 1	0.07	< 10	3.67	540	4
N110218	205	294	0.6	4.81	8	20	< 0.5	< 2	0.49	5.5	104	88	2950	12.50	10	< 1	0.05	< 10	4.20	600	2
N110219	205	294	< 0.2	4.73	< 2	80	< 0.5	< 2	2.98	0.5	38	104	128	6.32	10	< 1	< 0.01	< 10	3.57	1060	< 1
N110220	205	294	< 0.2	3.59	6	80	< 0.5	< 2	2.75	< 0.5	26	78	106	4.81	10	< 1	0.05	< 10	2.41	775	< 1
N110221	205	294	< 0.2	3.57	6	50	< 0.5	8	3.98	< 0.5	27	40	87	5.56	10	< 1	0.01	< 10	2.12	910	< 1
N110222	205	294	< 0.2	2.93	2	60	< 0.5	< 2	2.87	< 0.5	25	31	72	4.89	10	< 1	0.08	< 10	1.82	800	< 1
N111533	205	294	< 0.2	4.05	< 2	140	< 0.5	< 2	2.78	1.0	29	123	609	4.27	10	< 1	0.07	< 10	2.93	720	< 1
N111534	205	294	< 0.2	3.76	2	240	< 0.5	< 2	2.47	2.0	29	124	1300	4.29	< 10	< 1	0.11	< 10	2.74	665	< 1
N111535	205	294	< 0.2	4.20	8	330	< 0.5	2	2.04	2.0	31	102	1935	6.29	< 10	< 1	0.01	< 10	4.17	820	< 1
N111536	205	294	< 0.2	3.72	8	150	< 0.5	< 2	1.63	2.5	66	85	2470	6.68	10	< 1	0.02	< 10	3.72	1045	< 1
N111537	205	294	< 0.2	4.03	6	660	< 0.5	2	1.20	2.0	97	132	3590	9.77	10	< 1	0.03	< 10	3.05	785	< 1
N111538	205	294	< 0.2	3.99	< 2	970	0.5	4	1.57	5.0	71	174	5770	10.30	10	< 1	0.04	< 10	2.73	655	< 1
N111539	205	294	< 0.2	4.55	6	220	< 0.5	< 2	2.40	6.5	61	178	3530	7.75	< 10	< 1	0.09	< 10	3.36	1025	< 1
N111540	205	294	< 0.2	4.16	< 2	200	< 0.5	< 2	2.48	5.0	59	184	4570	6.83	10	< 1	0.06	< 10	2.89	955	1
N111541	205	294	< 0.2	3.97	4	1300	< 0.5	< 2	1.39	3.5	59	173	4130	8.43	< 10	< 1	0.03	< 10	3.71	880	< 1
N111542	205	294	< 0.2	3.44	8	1470	< 0.5	< 2	2.14	4.5	82	127	1575	7.72	10	< 1	0.05	< 10	2.96	875	< 1
N111543	205	294	1.6	4.18	< 2	80	< 0.5	< 2	0.75	0.5	35	170	5280	11.35	10	< 1	0.01	< 10	3.63	725	< 1
N111544	205	294	0.6	4.36	6	40	< 0.5	< 2	0.69	< 0.5	102	175	3430	12.70	10	< 1	0.01	< 10	3.66	645	< 1
N111545	205	294	0.6	4.88	< 2	90	< 0.5	< 2	0.68	< 0.5	80	176	2910	12.50	< 10	< 1	0.01	< 10	4.37	765	< 1
N111546	205	294	< 0.2	4.60	2	40	< 0.5	< 2	0.91	< 0.5	48	162	958	9.96	< 10	< 1	< 0.01	< 10	4.59	930	< 1
N111547	205	294	< 0.2	4.80	6	30	< 0.5	< 2	0.86	< 0.5	60	148	1220	12.05	10	< 1	< 0.01	< 10	4.50	905	< 1
N111548	205	294	0.2	3.93	< 2	120	< 0.5	< 2	1.14	2.5	54	142	3470	9.98	10	< 1	0.02	< 10	3.69	875	< 1
N111549	205	294	0.2	4.60	< 2	70	< 0.5	< 2	1.09	5.0	77	138	2800	11.15	10	< 1	0.03	< 10	4.16	1050	< 1
N111550	205	294	< 0.2	3.70	4	100	< 0.5	< 2	1.50	2.0	43	92	417	7.63	10	< 1	0.01	< 10	3.67	775	< 1

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SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N110215	205	294	< 0.01	41	470	4	6	15	26	0.37	< 10	< 10	148	< 10	454
N110216	205	294	< 0.01	52	390	18	2	23	12	0.46	< 10	< 10	258	< 10	1535
N110217	205	294	< 0.01	39	170	10	4	16	11	0.29	< 10	< 10	154	< 10	1465
N110218	205	294	< 0.01	38	190	10	6	21	24	0.33	< 10	< 10	188	< 10	1260
N110219	205	294	< 0.01	43	310	< 2	6	14	46	0.42	< 10	< 10	186	< 10	194
N110220	205	294	0.03	46	320	2	4	7	14	0.36	< 10	< 10	141	< 10	100
N110221	205	294	0.02	33	450	< 2	2	10	14	0.48	< 10	< 10	179	< 10	98
N110222	205	294	0.01	29	450	< 2	2	9	21	0.52	< 10	< 10	161	< 10	78
N111533	205	294	0.03	61	170	2	2	10	12	0.26	< 10	< 10	111	< 10	266
N111534	205	294	0.02	54	190	< 2	< 2	12	18	0.26	< 10	< 10	117	< 10	428
N111535	205	294	0.02	43	350	4	6	21	22	0.47	< 10	< 10	215	< 10	426
N111536	205	294	0.01	46	460	4	2	20	18	0.42	< 10	< 10	189	< 10	1050
N111537	205	294	< 0.01	62	480	4	6	27	21	0.23	< 10	< 10	204	< 10	1830
N111538	205	294	< 0.01	66	190	6	4	22	20	0.17	< 10	< 10	138	< 10	1830
N111539	205	294	< 0.01	58	230	6	6	19	13	0.27	< 10	< 10	150	< 10	1190
N111540	205	294	0.01	60	210	2	2	20	12	0.29	< 10	< 10	152	< 10	878
N111541	205	294	< 0.01	51	270	2	2	25	67	0.39	< 10	< 10	186	< 10	836
N111542	205	294	< 0.01	51	290	2	4	19	52	0.34	< 10	< 10	165	< 10	1535
N111543	205	294	< 0.01	46	230	10	6	21	21	0.29	< 10	< 10	228	< 10	778
N111544	205	294	< 0.01	51	260	6	6	23	16	0.31	< 10	< 10	218	< 10	550
N111545	205	294	< 0.01	50	290	2	4	24	14	0.42	< 10	< 10	251	< 10	420
N111546	205	294	0.01	50	370	2	6	19	25	0.50	< 10	< 10	189	< 10	514
N111547	205	294	< 0.01	47	460	2	6	26	14	0.47	< 10	< 10	220	< 10	494
N111548	205	294	< 0.01	48	320	4	6	21	36	0.48	< 10	< 10	233	< 10	1415
N111549	205	294	< 0.01	49	290	4	6	26	16	0.45	< 10	< 10	265	< 10	1430
N111550	205	294	0.01	39	420	2	2	15	16	0.44	< 10	< 10	163	< 10	682

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SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
N111527	205	276	< 0.2	1.97	20	620	< 0.5	< 2	2.92	0.5	14	88	95	3.37	< 10	< 1	0.15	< 10	1.36	845	1
N111528	205	276	< 0.2	2.59	2	420	< 0.5	< 2	2.21	< 0.5	30	65	133	4.86	< 10	< 1	0.07	< 10	1.57	750	< 1
N111529	205	276	< 0.2	3.03	< 2	150	< 0.5	2	2.01	< 0.5	29	33	75	5.68	10	1	0.05	< 10	1.66	665	< 1
N111530	205	276	< 0.2	3.21	2	210	< 0.5	< 2	2.38	< 0.5	32	40	77	6.53	10	1	0.03	< 10	2.01	885	< 1
N111531	205	276	< 0.2	3.39	2	230	< 0.5	< 2	2.96	< 0.5	35	27	61	7.68	10	< 1	0.02	< 10	2.47	1045	< 1
N111532	205	276	< 0.2	3.25	< 2	130	< 0.5	2	2.78	< 0.5	31	22	45	7.10	10	< 1	0.02	< 10	2.63	905	< 1

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SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N111527	205	276	0.03	29	880	20	< 2	6	97	0.10	< 10	< 10	89	< 10	118
N111528	205	276	< 0.01	32	530	2	< 2	7	43	0.39	< 10	< 10	154	< 10	104
N111529	205	276	< 0.01	30	600	< 2	< 2	10	70	0.51	< 10	< 10	199	< 10	72
N111530	205	276	< 0.01	34	600	< 2	< 2	16	58	0.47	< 10	< 10	219	< 10	80
N111531	205	276	< 0.01	25	680	< 2	< 2	21	52	0.45	< 10	< 10	262	< 10	102
N111532	205	276	< 0.01	23	700	< 2	< 2	21	46	0.44	< 10	< 10	249	< 10	82

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : ICE
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CERTIFICATE OF ANALYSIS A9635690

SAMPLE	PREP CODE		Au g/t	Cu %	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
111513	205	276	0.08	1.05	1.4	5.12	< 2	30	< 0.5	Intf*	0.08	< 0.5	58	180	>10000	>15.00	20	2	0.13	< 10	2.01
111514	205	276	0.16	2.03	4.4	1.01	< 2	< 10	< 0.5	Intf*	0.06	1.0	177	61	>10000	>15.00	< 10	1	0.28	< 10	0.15

CERTIFICATION: Hart Bichler

*INTERFERENCE: Cu ON Bi AND P.

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SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
111513	205	276	395	< 1	< 0.01	57	Intf*	2	2	13	5	< 0.01	< 10	< 10	143	< 10	530
111514	205	276	30	3	< 0.01	53	Intf*	8	< 2	6	5	< 0.01	< 10	< 10	41	< 10	202

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SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
N111502	205	276	1.2	3.39	< 2	260	< 0.5	< 2	2.08	1.0	31	76	776	6.33	10	< 1	0.04	< 10	1.98	870	< 1
N111503	205	276	0.6	4.07	< 2	120	< 0.5	< 2	1.67	2.0	31	121	1455	8.18	10	< 1	0.04	< 10	2.10	600	< 1
N111504	205	276	0.2	3.98	< 2	120	< 0.5	< 2	0.97	2.5	28	199	1410	10.90	10	< 1	0.02	< 10	2.31	625	< 1
N111505	205	276	0.2	4.60	< 2	50	< 0.5	< 2	1.71	3.5	36	174	1510	11.55	10	< 1	0.01	< 10	2.36	635	< 1
N111506	205	276	2.8	4.00	< 2	40	< 0.5	< 2	0.70	1.5	55	179	6440	11.55	10	< 1	0.03	< 10	2.47	660	< 1
N111507	205	276	1.0	4.60	< 2	50	< 0.5	< 2	0.51	2.5	44	205	2980	11.50	10	< 1	0.07	< 10	2.77	685	< 1
N111508	205	276	0.8	4.71	< 2	80	< 0.5	< 2	0.32	2.5	42	213	4350	13.25	10	< 1	0.04	< 10	2.45	635	1
N111509	205	276	0.6	6.10	< 2	40	< 0.5	2	0.42	1.5	37	216	4230	13.90	10	< 1	0.05	< 10	3.34	800	< 1
N111510	205	276	0.2	4.75	< 2	40	< 0.5	< 2	0.67	4.0	40	199	2810	10.00	10	< 1	0.08	< 10	3.26	695	< 1
N111511	205	276	< 0.2	5.16	< 2	30	< 0.5	< 2	0.46	3.0	41	223	2550	10.95	10	< 1	0.07	< 10	3.42	780	< 1
N111512	205	276	1.6	6.45	< 2	60	< 0.5	Intf*	0.12	1.5	58	222	>10000	>15.00	20	< 1	0.06	< 10	2.74	630	< 1
N111515	205	276	0.2	4.03	< 2	90	< 0.5	2	2.07	5.5	41	139	2020	5.18	10	2	0.03	< 10	2.64	865	< 1
N111516	205	276	0.6	4.22	< 2	80	< 0.5	< 2	2.53	2.0	42	126	1085	5.94	10	< 1	0.05	< 10	2.81	925	< 1
N111517	205	276	1.0	5.41	< 2	20	< 0.5	Intf*	0.20	11.5	190	204	>10000	15.00	10	1	0.06	< 10	4.32	880	3
N111518	205	276	< 0.2	3.98	< 2	140	< 0.5	< 2	2.98	4.0	70	100	2030	8.09	10	< 1	0.03	< 10	3.16	870	< 1
N111519	205	276	< 0.2	3.86	< 2	70	< 0.5	< 2	2.19	5.5	71	81	2130	7.34	10	< 1	0.02	< 10	3.04	910	< 1
N111520	205	276	0.2	4.43	< 2	390	< 0.5	2	2.02	3.5	60	94	1045	7.26	10	1	0.02	< 10	4.57	970	< 1
N111521	205	276	1.6	5.10	< 2	210	< 0.5	< 2	0.79	3.5	64	126	2450	9.38	10	< 1	0.01	< 10	5.46	1080	1
N111522	205	276	< 0.2	3.70	< 2	120	< 0.5	< 2	1.29	4.0	88	125	2700	7.00	10	< 1	0.03	< 10	3.49	1045	< 1
N111523	205	276	0.6	3.46	< 2	50	< 0.5	< 2	1.02	0.5	43	86	801	7.29	10	1	0.01	< 10	3.26	900	< 1
N111524	205	276	0.8	3.54	< 2	70	< 0.5	< 2	1.05	1.5	49	156	1625	7.31	10	< 1	0.02	< 10	3.02	770	< 1
N111525	205	276	0.4	3.76	< 2	130	< 0.5	< 2	1.93	3.0	63	104	1105	7.10	10	< 1	0.01	< 10	2.97	800	< 1
N111526	205	276	0.6	4.86	< 2	50	< 0.5	2	1.41	4.0	94	82	3230	10.35	10	< 1	0.05	< 10	3.58	915	< 1

CERTIFICATION: HartBichler

*INTERFERENCE: Cu ON Bi AND P.

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Analytical Chemists * Geochemists * Registered Assayers

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SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N111502	205	276	< 0.01	40	400	< 2	< 2	13	16	0.33	< 10	< 10	172	< 10	212
N111503	205	276	0.01	58	230	< 2	< 2	14	15	0.27	< 10	< 10	136	< 10	550
N111504	205	276	0.01	69	170	< 2	< 2	15	15	0.21	< 10	< 10	135	< 10	652
N111505	205	276	< 0.01	74	240	< 2	2	15	9	0.21	< 10	< 10	157	< 10	864
N111506	205	276	< 0.01	59	150	< 2	< 2	9	15	0.17	< 10	< 10	135	< 10	458
N111507	205	276	< 0.01	64	140	< 2	< 2	13	13	0.16	< 10	< 10	159	< 10	622
N111508	205	276	< 0.01	60	140	< 2	2	15	11	0.16	< 10	< 10	168	< 10	538
N111509	205	276	< 0.01	63	170	< 2	< 2	16	8	0.14	< 10	< 10	155	< 10	494
N111510	205	276	< 0.01	68	170	< 2	< 2	16	6	0.18	< 10	< 10	142	< 10	822
N111511	205	276	< 0.01	73	170	< 2	< 2	17	4	0.10	< 10	< 10	150	< 10	1010
N111512	205	276	< 0.01	68	Intf*	4	6	14	4	< 0.01	< 10	< 10	195	< 10	946
N111515	205	276	0.01	65	220	< 2	< 2	9	7	0.16	< 10	< 10	103	< 10	610
N111516	205	276	0.01	71	240	< 2	< 2	9	8	0.17	< 10	< 10	112	< 10	518
N111517	205	276	< 0.01	72	Intf*	< 2	< 2	10	14	0.01	< 10	< 10	151	< 10	790
N111518	205	276	0.01	66	550	< 2	< 2	15	21	0.20	< 10	< 10	157	< 10	788
N111519	205	276	0.01	52	430	< 2	2	15	12	0.32	< 10	< 10	171	< 10	1125
N111520	205	276	< 0.01	51	380	< 2	< 2	15	36	0.35	< 10	< 10	171	< 10	730
N111521	205	276	< 0.01	54	330	4	< 2	18	8	0.35	< 10	< 10	244	< 10	1265
N111522	205	276	0.01	63	290	< 2	< 2	16	9	0.28	< 10	< 10	167	< 10	1275
N111523	205	276	< 0.01	44	360	2	2	9	24	0.34	< 10	< 10	177	< 10	804
N111524	205	276	< 0.01	57	290	< 2	< 2	11	31	0.36	< 10	< 10	173	< 10	826
N111525	205	276	0.01	46	290	< 2	2	14	8	0.34	< 10	< 10	194	< 10	874
N111526	205	276	< 0.01	39	280	4	< 2	15	11	0.38	< 10	< 10	209	< 10	738

CERTIFICATION: Hart Bichler

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CERTIFICATE OF ANALYSIS A9635693

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
N111487	205	276	< 0.2	3.27	2	100	< 0.5	< 2	2.11	4.0	32	41	2170	6.64	10	1	0.03	< 10	2.04	695	< 1
N111488	205	276	< 0.2	3.67	< 2	90	< 0.5	2	2.47	2.5	34	45	2610	6.60	10	< 1	0.05	< 10	2.23	795	< 1
N111489	205	276	< 0.2	3.36	< 2	90	< 0.5	< 2	1.78	2.0	49	90	4380	7.68	10	1	0.08	< 10	2.32	805	< 1
N111490	205	276	< 0.2	3.73	< 2	100	< 0.5	2	2.36	3.0	45	102	3660	6.71	10	< 1	0.11	< 10	2.14	760	1
N111491	205	276	< 0.2	3.62	< 2	150	< 0.5	< 2	2.71	2.0	33	103	2120	5.15	10	2	0.11	< 10	2.07	675	< 1
N111492	205	276	< 0.2	3.69	< 2	160	< 0.5	< 2	1.51	2.5	53	143	3620	7.09	10	< 1	0.11	< 10	2.69	720	< 1
N111493	205	276	< 0.2	3.90	< 2	100	< 0.5	10	2.20	4.0	36	118	2310	6.40	10	< 1	0.05	< 10	2.69	705	< 1
N111494	205	276	< 0.2	3.82	< 2	160	< 0.5	< 2	2.21	4.0	48	88	5650	7.18	10	< 1	0.06	< 10	2.80	775	< 1
N111495	205	276	< 0.2	4.37	< 2	80	< 0.5	2	3.06	3.5	50	139	3610	5.06	< 10	< 1	0.10	< 10	2.55	755	1
N111496	205	276	< 0.2	4.41	< 2	170	< 0.5	< 2	2.56	5.0	91	175	2920	6.62	10	1	0.14	< 10	2.61	910	< 1
N111497	205	276	0.2	2.82	6	200	< 0.5	Intf*	0.90	3.5	155	123	>10000	14.90	< 10	< 1	0.11	< 10	1.49	695	< 1
N111498	205	276	< 0.2	4.18	< 2	70	< 0.5	6	2.80	2.5	113	151	1970	8.24	10	< 1	0.08	< 10	2.55	1060	< 1
N111499	205	276	< 0.2	4.21	< 2	80	< 0.5	< 2	3.06	1.5	91	171	1800	6.74	10	< 1	0.08	< 10	2.56	1210	< 1
N111500	205	276	< 0.2	3.13	2	80	< 0.5	< 2	2.10	< 0.5	62	83	83	6.17	< 10	< 1	0.08	< 10	2.16	1240	< 1
N111501	205	276	0.2	3.73	< 2	70	< 0.5	2	2.61	0.5	67	56	70	8.00	10	< 1	0.04	< 10	2.37	1475	< 1

CERTIFICATION: HartBichler

* INTERFERENCE: Cu on Bi and P

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Analytical Chemists * Geochemists * Registered Assayers
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SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N111487	205	276	0.02	26	590	< 2	< 2	14	20	0.38	< 10	< 10	158	< 10	204
N111488	205	276	0.03	31	480	< 2	< 2	11	18	0.39	< 10	< 10	155	< 10	186
N111489	205	276	0.01	40	280	< 2	< 2	17	27	0.37	< 10	< 10	153	< 10	436
N111490	205	276	0.02	47	290	< 2	< 2	15	40	0.31	< 10	< 10	152	< 10	294
N111491	205	276	0.01	46	260	< 2	< 2	11	36	0.32	< 10	< 10	127	< 10	148
N111492	205	276	0.01	54	150	< 2	< 2	19	36	0.29	< 10	< 10	139	< 10	358
N111493	205	276	0.02	46	240	< 2	< 2	16	9	0.33	< 10	< 10	160	< 10	212
N111494	205	276	0.02	50	280	< 2	< 2	18	13	0.38	< 10	< 10	182	< 10	440
N111495	205	276	0.02	85	140	< 2	< 2	9	7	0.20	< 10	< 10	100	< 10	562
N111496	205	276	0.02	94	220	< 2	< 2	15	12	0.17	< 10	< 10	127	< 10	1325
N111497	205	276	< 0.01	71	Intf*	< 2	6	13	8	0.05	< 10	< 10	91	< 10	3330
N111498	205	276	0.01	77	220	< 2	2	17	15	0.30	< 10	< 10	165	< 10	1630
N111499	205	276	0.02	90	220	< 2	< 2	11	12	0.25	< 10	< 10	127	< 10	714
N111500	205	276	0.01	57	390	< 2	< 2	8	40	0.44	< 10	< 10	146	< 10	276
N111501	205	276	< 0.01	37	560	< 2	< 2	13	54	0.60	< 10	< 10	238	< 10	516

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SAMPLE	PREP CODE		Au ppb FA+AA	Cu %	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
N111477	208	294	< 5	0.43	< 0.2	4.75	2	90	< 0.5	6	2.71	9.0	33	149	4570	6.22	10	1	0.01	< 10	2.09
N111478	208	294	35	0.25	0.4	5.65	6	30	< 0.5	< 2	0.08	< 0.5	129	220	2820	14.20	10	< 1	0.05	< 10	1.31
N111479	208	294	130	0.66	1.4	1.51	2	< 10	< 0.5	16	0.04	< 0.5	336	68	7140	>15.00	< 10	< 1	0.02	< 10	0.51

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SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N111477	208	294	855	< 1	0.02	42	190	6	< 2	22	6	0.16	< 10	< 10	147	< 10	346
N111478	208	294	455	2	< 0.01	27	310	10	< 2	19	< 1	0.08	< 10	< 10	231	10	358
N111479	208	294	75	5	< 0.01	6	50	46	< 2	< 1	< 1	< 0.01	< 10	< 10	51	10	400

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Invoice No. : I9635035
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SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
N111470	205	294	< 0.2	3.26	< 2	180	< 0.5	< 2	2.50	2.0	31	78	1125	6.33	10	< 1	0.04	< 10	2.07	735	< 1
N111471	205	294	< 0.2	3.48	< 2	70	< 0.5	2	3.02	2.5	26	81	1295	5.40	10	< 1	0.05	< 10	1.51	545	< 1
N111472	205	294	< 0.2	3.23	< 2	60	< 0.5	< 2	1.99	4.5	39	84	2560	7.28	10	< 1	0.06	< 10	2.00	680	< 1
N111473	205	294	< 0.2	3.52	< 2	90	< 0.5	< 2	2.44	4.5	38	101	2740	6.73	10	< 1	0.04	< 10	2.02	650	< 1
N111474	205	294	< 0.2	3.02	< 2	290	< 0.5	< 2	2.18	4.5	39	114	2760	5.42	< 10	< 1	0.01	< 10	1.96	1395	< 1
N111475	205	294	< 0.2	4.34	< 2	130	< 0.5	< 2	2.40	12.0	35	141	4280	6.45	10	< 1	0.03	< 10	2.78	1575	< 1
N111476	205	294	< 0.2	4.31	< 2	90	< 0.5	< 2	2.69	14.5	32	140	4450	6.03	10	< 1	0.03	< 10	2.79	1145	< 1
N111480	205	294	0.2	4.26	8	30	< 0.5	< 2	0.12	0.5	199	110	9410	>15.00	10	< 1	0.05	< 10	1.27	150	1
N111481	205	294	0.4	4.40	6	20	< 0.5	Intf*	0.05	0.5	154	138	>10000	>15.00	10	< 1	0.07	< 10	2.05	255	4
N111482	205	294	0.4	5.57	< 2	30	< 0.5	Intf*	0.09	< 0.5	113	153	>10000	14.40	10	< 1	0.08	< 10	2.72	375	< 1
N111483	205	294	< 0.2	5.77	< 2	80	< 0.5	Intf*	0.38	10.5	92	208	>10000	9.18	10	< 1	0.02	< 10	3.44	850	< 1
N111484	205	294	< 0.2	3.34	< 2	180	< 0.5	< 2	1.52	12.5	260	156	3140	14.00	< 10	< 1	0.03	< 10	3.14	2060	< 1
N111485	205	294	< 0.2	5.35	< 2	70	< 0.5	< 2	1.08	1.5	119	152	2170	12.25	10	< 1	0.05	< 10	4.35	1200	< 1
N111486	205	294	< 0.2	4.36	< 2	80	< 0.5	< 2	3.00	< 0.5	66	155	146	6.01	10	< 1	0.03	< 10	2.88	895	< 1

CERTIFICATION: Hart Bichler

F* INTERFERENCES: Cu on Bi and P

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Invoice No. : I9635035
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CERTIFICATE OF ANALYSIS A9635035

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N111470	205	294	0.02	32	400	2	< 2	12	28	0.36	< 10	< 10	175	< 10	204
N111471	205	294	0.05	36	350	2	< 2	8	39	0.31	< 10	< 10	150	< 10	180
N111472	205	294	0.01	41	370	< 2	< 2	13	22	0.30	< 10	< 10	156	< 10	340
N111473	205	294	0.02	44	310	< 2	< 2	14	8	0.29	< 10	< 10	163	< 10	410
N111474	205	294	0.03	43	270	2	6	9	13	0.26	< 10	< 10	125	< 10	490
N111475	205	294	0.01	48	210	2	< 2	17	5	0.25	< 10	< 10	161	< 10	392
N111476	205	294	0.01	52	270	< 2	< 2	16	5	0.27	< 10	< 10	146	< 10	250
N111480	205	294	< 0.01	19	290	2	< 2	15	13	< 0.01	< 10	< 10	203	< 10	530
N111481	205	294	< 0.01	32	Intf*	4	< 2	11	4	< 0.01	< 10	< 10	155	< 10	290
N111482	205	294	< 0.01	35	Intf*	6	< 2	20	12	< 0.01	< 10	< 10	204	< 10	386
N111483	205	294	< 0.01	50	Intf*	4	< 2	28	8	0.13	< 10	< 10	207	< 10	2300
N111484	205	294	< 0.01	42	270	< 2	< 2	21	6	0.25	< 10	< 10	176	< 10	6370
N111485	205	294	< 0.01	46	300	2	< 2	18	4	0.33	< 10	< 10	230	< 10	1320
N111486	205	294	0.02	73	300	< 2	< 2	12	7	0.29	< 10	< 10	155	< 10	732

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F* INTERFERENCES: Cu on Bi and P

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Certificate Date: 17-OCT-96
Invoice No. : I9635033
P.O. Number :
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SAMPLE	PREP CODE		Au ppb FA+AA	Cu %	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
N111408	208	226	55	1.15	0.2	1.20	2	10	< 0.5	Intf*	0.02	< 0.5	94	66	>10000	>15.00	< 10	1	< 0.01	< 10	0.67
N111409	208	226	330	3.72	23.4	1.43	10	< 10	< 0.5	Intf*	0.01	5.0	518	68	>10000	>15.00	< 10	< 1	< 0.01	< 10	0.71

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* INTERFERENCE: Cu on Bi and P

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To: EXPATRIATE RESOURCES LTD.
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1016 - 510 W. HASTINGS ST.
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SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N111408	208	226	125	7	< 0.01	6	Intf*	6	< 2	4	< 1	< 0.01	< 10	< 10	72	< 10	186
N111409	208	226	170	14	< 0.01	11	Intf*	76	< 2	2	< 1	< 0.01	< 10	< 10	73	< 10	2010

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CERTIFICATE OF ANALYSIS A9635026

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
N111394	205	226	0.4	1.52	78	260	< 0.5	< 2	0.69	0.5	29	225	2740	10.90	20	< 1	0.06	< 10	0.69	365	46
N111395	205	226	2.4	1.23	106	50	< 0.5	10	0.11	0.5	84	206	6160	>15.00	10	< 1	0.01	< 10	0.46	60	74
N111396	205	226	1.0	4.39	42	60	< 0.5	< 2	0.38	< 0.5	45	182	3110	14.05	10	< 1	< 0.01	< 10	2.24	190	22
N111397	205	226	1.2	3.68	34	50	< 0.5	Intf*	0.30	< 0.5	121	159	>10000	>15.00	10	< 1	< 0.01	< 10	1.69	130	40
N111398	205	226	0.2	4.97	6	40	< 0.5	4	0.30	< 0.5	144	159	2770	>15.00	10	< 1	< 0.01	< 10	2.52	210	12
N111399	205	226	0.4	6.06	< 2	50	< 0.5	8	0.19	< 0.5	89	186	4930	11.50	10	< 1	0.02	< 10	1.88	315	5
N111400	205	226	0.2	5.98	2	70	< 0.5	8	0.19	< 0.5	62	169	4760	13.65	10	< 1	0.03	< 10	2.64	560	6
N111401	205	226	< 0.2	6.83	< 2	1020	< 0.5	< 2	0.18	< 0.5	40	133	977	9.21	10	< 1	0.01	< 10	2.63	635	1
N111402	205	226	< 0.2	5.83	2	710	< 0.5	Intf*	0.21	< 0.5	42	137	>10000	9.87	10	< 1	0.03	< 10	2.41	515	1
N111403	205	226	< 0.2	5.34	< 2	210	< 0.5	2	0.44	0.5	24	112	6680	8.52	10	< 1	0.03	< 10	2.30	730	< 1
N111404	205	226	0.2	4.80	< 2	150	< 0.5	14	0.21	< 0.5	31	193	4740	7.98	10	< 1	0.04	< 10	2.58	540	< 1
N111405	205	226	< 0.2	5.48	2	120	< 0.5	Intf*	0.21	< 0.5	41	193	>10000	8.44	10	< 1	0.09	< 10	3.18	730	< 1
N111406	205	226	< 0.2	5.32	< 2	70	< 0.5	Intf*	0.25	< 0.5	42	181	>10000	9.91	10	< 1	0.12	< 10	3.12	735	< 1
N111407	205	226	0.2	5.67	< 2	40	< 0.5	Intf*	0.14	0.5	39	205	>10000	8.81	10	< 1	0.05	< 10	2.91	585	< 1
N111410	205	226	5.0	4.74	2	20	< 0.5	Intf*	0.32	3.5	137	150	>10000	13.65	10	< 1	0.04	< 10	2.41	515	3
N111411	205	226	0.2	5.36	< 2	10	< 0.5	Intf*	0.02	0.5	189	108	>10000	>15.00	10	< 1	0.05	< 10	3.12	415	< 1
N111412	205	226	< 0.2	3.01	2	10	< 0.5	Intf*	0.02	0.5	289	117	>10000	>15.00	< 10	< 1	0.01	< 10	1.39	130	6
N111413	205	226	0.2	1.90	2	10	< 0.5	Intf*	0.03	1.0	386	90	>10000	>15.00	< 10	< 1	0.03	< 10	0.35	40	7
N111414	205	226	0.8	3.72	< 2	< 10	< 0.5	< 2	0.04	< 0.5	438	137	8300	>15.00	< 10	< 1	0.05	< 10	1.62	185	3
N111415	205	226	0.2	6.28	< 2	90	< 0.5	Intf*	0.22	1.5	41	135	>10000	7.65	10	< 1	0.04	< 10	2.99	530	< 1
N111416	205	226	< 0.2	6.00	2	30	< 0.5	< 2	0.21	1.0	45	152	6200	9.99	10	< 1	< 0.01	< 10	4.24	780	< 1
N111417	205	226	0.2	5.39	< 2	20	< 0.5	< 2	0.15	1.5	42	155	8940	10.80	10	< 1	0.03	< 10	3.63	695	< 1
N111418	205	226	< 0.2	5.53	2	20	< 0.5	2	1.14	8.0	41	127	8750	7.18	10	< 1	0.04	< 10	3.62	750	< 1
N111419	205	226	< 0.2	4.20	< 2	30	< 0.5	< 2	1.96	16.0	39	75	195	5.68	10	< 1	0.04	< 10	3.45	740	< 1
N111420	205	226	< 0.2	3.81	< 2	60	< 0.5	< 2	1.83	1.0	46	49	109	6.07	10	< 1	0.10	< 10	3.17	780	< 1
N111421	205	226	< 0.2	3.99	2	40	< 0.5	< 2	2.35	< 0.5	52	58	74	6.72	10	< 1	0.05	< 10	3.51	915	< 1
N111422	205	226	< 0.2	3.72	< 2	60	< 0.5	< 2	2.68	< 0.5	30	42	73	6.22	10	< 1	0.03	< 10	2.73	855	< 1

CERTIFICATION: Hart Bichler

* INTERFERENCES: Cu on Bi and P

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Invoice No. : I9635026
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CERTIFICATE OF ANALYSIS A9635026

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N111394	205	226	0.01	13	610	74	< 2	6	19	0.15	< 10	< 10	220	20	174
N111395	205	226	< 0.01	2	350	38	< 2	5	4	0.01	< 10	< 10	206	10	346
N111396	205	226	< 0.01	19	220	18	< 2	12	6	0.01	< 10	< 10	271	10	372
N111397	205	226	< 0.01	15	Intf*	16	< 2	12	5	0.02	< 10	< 10	288	10	384
N111398	205	226	< 0.01	19	220	6	< 2	14	6	0.01	< 10	< 10	262	10	458
N111399	205	226	0.01	33	390	8	< 2	21	1	0.09	< 10	< 10	280	< 10	510
N111400	205	226	< 0.01	33	260	2	< 2	19	5	0.07	< 10	< 10	287	10	454
N111401	205	226	< 0.01	40	240	2	< 2	37	14	0.09	< 10	10	231	< 10	526
N111402	205	226	0.01	43	Intf*	2	< 2	41	9	0.03	< 10	< 10	342	< 10	440
N111403	205	226	0.01	35	390	< 2	< 2	41	4	0.18	< 10	10	286	< 10	232
N111404	205	226	0.02	46	300	6	< 2	34	4	0.02	< 10	< 10	241	< 10	370
N111405	205	226	< 0.01	64	Intf*	< 2	< 2	31	< 1	0.09	< 10	< 10	179	< 10	692
N111406	205	226	< 0.01	58	Intf*	< 2	< 2	26	< 1	0.02	< 10	< 10	161	< 10	750
N111407	205	226	0.01	53	Intf*	6	< 2	28	2	0.05	< 10	< 10	270	< 10	286
N111410	205	226	< 0.01	34	Intf*	10	< 2	21	< 1	0.13	< 10	< 10	191	< 10	798
N111411	205	226	< 0.01	31	Intf*	8	< 2	15	< 1	0.03	< 10	< 10	216	< 10	574
N111412	205	226	< 0.01	20	Intf*	< 2	< 2	9	3	< 0.01	< 10	< 10	126	10	388
N111413	205	226	< 0.01	9	Intf*	2	< 2	7	16	< 0.01	< 10	< 10	82	< 10	820
N111414	205	226	< 0.01	19	70	< 2	< 2	11	< 1	< 0.01	< 10	< 10	126	10	246
N111415	205	226	< 0.01	39	Intf*	6	< 2	39	44	0.15	< 10	10	239	< 10	872
N111416	205	226	< 0.01	50	330	< 2	< 2	33	39	0.21	< 10	< 10	249	< 10	780
N111417	205	226	< 0.01	42	280	2	< 2	29	14	0.21	< 10	< 10	230	< 10	700
N111418	205	226	< 0.01	39	310	2	< 2	28	8	0.20	< 10	< 10	226	< 10	814
N111419	205	226	0.02	36	360	< 2	< 2	9	6	0.33	< 10	< 10	163	< 10	324
N111420	205	226	0.01	35	400	< 2	< 2	8	16	0.37	< 10	< 10	166	< 10	378
N111421	205	226	0.01	32	400	< 2	< 2	10	21	0.40	< 10	< 10	191	< 10	218
N111422	205	226	0.04	27	450	< 2	< 2	8	11	0.37	< 10	< 10	191	< 10	84

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Total Pages :2
Certificate Date: 14-OCT-96
Invoice No. : I9635022
P.O. Number :
Account :MPO

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CERTIFICATE OF ANALYSIS A9635022

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
N111423	205	294	0.4	3.90	4	180	< 0.5	Intf*	1.09	3.5	42	127	>10000	8.01	< 10	< 1	0.05	< 10	1.82	505	< 1
N111424	205	294	0.2	4.65	< 2	50	< 0.5	< 2	6.67	0.5	44	170	309	5.07	10	2	0.02	< 10	3.38	1100	< 1
N111425	205	294	< 0.2	4.93	< 2	60	< 0.5	< 2	4.86	< 0.5	42	155	125	4.77	10	< 1	0.01	< 10	3.08	930	< 1
N111426	205	294	< 0.2	4.82	6	70	< 0.5	< 2	4.15	< 0.5	40	192	131	5.50	10	< 1	0.04	< 10	3.57	880	< 1
N111427	205	294	< 0.2	4.90	< 2	60	< 0.5	< 2	2.25	< 0.5	47	197	152	6.39	10	< 1	0.04	< 10	3.71	835	< 1
N111428	205	294	< 0.2	5.01	< 2	160	< 0.5	< 2	2.93	< 0.5	44	228	530	6.21	10	< 1	0.03	< 10	3.77	750	< 1
N111429	205	294	< 0.2	4.26	2	190	< 0.5	< 2	4.80	0.5	56	180	235	6.19	< 10	< 1	0.03	< 10	3.01	1255	< 1
N111430	205	294	< 0.2	3.55	< 2	40	< 0.5	< 2	4.75	< 0.5	91	150	241	5.98	< 10	< 1	0.03	< 10	2.36	1560	< 1
N111431	205	294	< 0.2	4.63	< 2	70	< 0.5	< 2	4.34	< 0.5	68	194	339	6.95	10	< 1	0.05	< 10	3.00	1005	< 1
N111432	205	294	< 0.2	5.00	< 2	110	< 0.5	< 2	3.27	< 0.5	63	250	274	9.13	10	< 1	0.03	< 10	3.33	1070	< 1
N111433	205	294	< 0.2	2.78	< 2	80	< 0.5	< 2	4.18	0.5	92	163	277	8.00	< 10	< 1	0.07	< 10	2.79	1150	< 1
N111434	205	294	< 0.2	3.96	2	40	< 0.5	2	0.87	< 0.5	62	257	117	8.13	< 10	< 1	0.07	< 10	2.34	725	< 1
N111435	205	294	< 0.2	4.23	< 2	40	< 0.5	2	1.22	< 0.5	59	221	561	11.55	< 10	< 1	0.11	< 10	2.45	880	< 1
N111436	205	294	0.2	5.31	< 2	70	< 0.5	< 2	0.80	< 0.5	92	233	5000	12.90	10	< 1	0.09	< 10	3.89	1535	< 1
N111437	205	294	0.6	4.80	< 2	120	< 0.5	2	2.58	< 0.5	131	200	3470	10.75	10	< 1	0.08	< 10	4.43	1730	< 1
N111438	205	294	< 0.2	5.12	< 2	240	< 0.5	< 2	1.19	< 0.5	118	195	559	10.55	10	< 1	0.07	< 10	4.94	1690	< 1
N111439	205	294	< 0.2	7.49	< 2	1060	< 0.5	< 2	0.34	0.5	77	164	188	14.15	10	< 1	0.03	< 10	7.71	1490	< 1
N111440	205	294	< 0.2	4.38	< 2	500	< 0.5	2	2.13	0.5	59	105	141	8.06	10	< 1	0.03	< 10	4.32	1335	< 1
N111441	205	294	< 0.2	3.84	< 2	130	< 0.5	< 2	2.98	< 0.5	42	101	156	8.95	10	< 1	0.03	< 10	3.18	1495	< 1
N111442	205	294	0.2	3.81	< 2	180	< 0.5	< 2	3.10	< 0.5	45	104	145	9.01	10	< 1	0.03	< 10	3.11	1475	< 1
N111443	205	294	< 0.2	3.56	< 2	80	< 0.5	< 2	3.66	< 0.5	53	108	220	8.08	10	< 1	0.03	< 10	2.84	1625	< 1
N111444	205	294	< 0.2	3.33	4	1150	< 0.5	< 2	2.60	< 0.5	38	70	120	7.30	10	< 1	0.03	< 10	2.91	1235	< 1
N111445	205	294	< 0.2	4.03	< 2	910	< 0.5	< 2	2.14	< 0.5	40	146	205	7.46	10	< 1	0.04	< 10	3.42	1145	< 1
N111446	205	294	< 0.2	3.72	< 2	440	< 0.5	< 2	4.75	< 0.5	43	110	116	6.89	10	< 1	0.08	< 10	3.25	1665	< 1
N111447	205	294	< 0.2	4.07	< 2	110	< 0.5	< 2	3.82	< 0.5	38	75	81	7.17	10	< 1	0.08	< 10	2.76	1305	< 1
N111448	205	294	< 0.2	3.34	< 2	110	< 0.5	< 2	4.41	< 0.5	42	107	99	6.98	10	< 1	0.05	< 10	3.14	1695	< 1
N111449	205	294	< 0.2	3.77	< 2	140	< 0.5	< 2	3.30	< 0.5	43	88	87	7.08	10	< 1	0.05	< 10	2.78	1195	< 1
N111450	205	294	< 0.2	2.65	< 2	90	< 0.5	< 2	10.10	0.5	44	71	302	4.22	< 10	< 1	0.06	< 10	3.22	2680	< 1
N111451	205	294	< 0.2	2.12	2	80	< 0.5	< 2	11.65	3.5	31	75	116	6.53	< 10	< 1	< 0.01	< 10	4.90	2440	< 1
N111452	205	294	0.2	4.60	< 2	50	< 0.5	< 2	2.13	3.5	63	166	1165	10.35	10	5	0.01	< 10	4.00	1480	< 1
N111453	205	294	0.8	4.79	< 2	10	< 0.5	2	0.72	4.0	156	119	3480	14.35	10	< 1	0.02	< 10	3.90	925	2
N111454	205	294	2.6	2.47	< 2	10	< 0.5	< 2	2.06	3.0	57	85	2670	13.05	10	< 1	0.03	< 10	2.14	615	3
N111455	205	294	< 0.2	2.66	< 2	210	< 0.5	< 2	3.58	3.0	53	84	1315	8.12	10	< 1	0.04	< 10	2.39	855	< 1
N111456	205	294	< 0.2	4.22	< 2	270	< 0.5	2	1.38	4.0	51	140	589	10.05	10	< 1	0.04	< 10	3.77	770	< 1
N111457	205	294	< 0.2	2.96	< 2	450	< 0.5	< 2	2.60	< 0.5	33	102	125	6.91	10	< 1	0.02	< 10	3.06	590	< 1
N111458	205	294	0.2	3.09	< 2	170	< 0.5	< 2	5.49	0.5	32	85	48	6.53	10	< 1	0.01	< 10	2.92	645	< 1
N111459	205	294	0.6	4.95	< 2	400	< 0.5	< 2	5.37	2.0	51	120	406	9.32	10	< 1	0.02	< 10	4.13	1480	< 1
N111460	205	294	< 0.2	3.96	< 2	360	< 0.5	< 2	4.55	< 0.5	36	111	158	5.91	10	2	0.04	< 10	3.12	1090	< 1
N111461	205	294	0.4	4.76	< 2	140	< 0.5	2	2.86	< 0.5	53	146	509	8.23	10	< 1	0.10	< 10	3.87	1330	< 1
N111462	205	294	< 0.2	2.23	< 2	250	< 0.5	< 2	>15.00	< 0.5	23	98	47	3.55	< 10	< 1	0.07	< 10	2.21	2840	< 1

CERTIFICATION: Hart Bichler

* INTERFERENCES: Cu on Bi and P

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VANCOUVER, BC
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Project : ICE-15
Comments:

Certificate Date: 14-OCT-96
Invoice No. : 19635022
P.O. Number :
Account :MPO

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9635022

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N111423	205	294	0.01	58	Intf*	< 2	< 2	20	9	0.06	< 10	< 10	113	< 10	584
N111424	205	294	0.02	70	320	< 2	< 2	9	31	0.17	< 10	< 10	95	< 10	270
N111425	205	294	0.03	68	260	< 2	< 2	9	20	0.22	< 10	< 10	131	< 10	218
N111426	205	294	0.03	75	230	4	< 2	15	19	0.12	< 10	< 10	134	< 10	130
N111427	205	294	0.02	90	300	< 2	6	16	15	0.01	< 10	< 10	127	< 10	136
N111428	205	294	0.04	80	290	< 2	2	19	24	0.16	< 10	< 10	173	< 10	144
N111429	205	294	0.01	85	270	< 2	< 2	18	51	< 0.01	< 10	< 10	133	< 10	190
N111430	205	294	0.01	89	300	< 2	< 2	16	37	< 0.01	< 10	< 10	106	< 10	350
N111431	205	294	0.01	102	300	< 2	< 2	17	37	< 0.01	< 10	< 10	124	< 10	202
N111432	205	294	0.02	90	330	< 2	< 2	23	34	0.11	< 10	< 10	177	< 10	242
N111433	205	294	0.02	84	320	2	< 2	19	52	< 0.01	< 10	< 10	123	< 10	712
N111434	205	294	0.04	94	360	< 2	< 2	23	9	< 0.01	< 10	< 10	182	< 10	220
N111435	205	294	0.03	82	420	2	< 2	23	10	< 0.01	< 10	< 10	171	< 10	308
N111436	205	294	0.02	82	400	< 2	< 2	18	12	0.01	< 10	< 10	192	< 10	582
N111437	205	294	0.01	76	400	< 2	< 2	20	30	< 0.01	< 10	< 10	179	< 10	640
N111438	205	294	0.01	79	460	< 2	< 2	21	10	< 0.01	< 10	< 10	160	< 10	568
N111439	205	294	< 0.01	63	470	< 2	< 2	23	17	0.04	< 10	< 10	241	10	728
N111440	205	294	0.01	52	450	< 2	< 2	17	268	0.26	< 10	< 10	159	< 10	340
N111441	205	294	0.03	51	540	< 2	< 2	26	29	0.22	< 10	< 10	251	< 10	190
N111442	205	294	0.04	54	590	< 2	< 2	24	36	0.43	< 10	< 10	251	< 10	198
N111443	205	294	0.03	57	560	< 2	< 2	30	31	0.07	< 10	< 10	274	< 10	330
N111444	205	294	0.04	42	460	< 2	< 2	10	65	0.41	< 10	< 10	193	< 10	356
N111445	205	294	0.03	62	400	< 2	< 2	13	45	0.30	< 10	< 10	183	< 10	406
N111446	205	294	0.03	54	360	2	< 2	24	64	0.13	< 10	< 10	192	< 10	132
N111447	205	294	0.02	41	440	< 2	< 2	17	26	0.33	< 10	< 10	207	< 10	114
N111448	205	294	0.04	51	390	< 2	< 2	23	43	0.20	< 10	< 10	203	< 10	118
N111449	205	294	0.03	51	440	< 2	< 2	19	29	0.19	< 10	< 10	221	< 10	136
N111450	205	294	< 0.01	56	250	2	2	20	105	< 0.01	< 10	< 10	134	< 10	208
N111451	205	294	< 0.01	33	210	2	< 2	18	126	< 0.01	< 10	< 10	135	< 10	996
N111452	205	294	0.01	56	390	< 2	< 2	19	18	0.21	< 10	< 10	212	< 10	1035
N111453	205	294	< 0.01	47	390	6	< 2	16	7	0.14	< 10	< 10	205	< 10	976
N111454	205	294	0.01	39	330	20	< 2	12	11	0.24	< 10	< 10	160	10	872
N111455	205	294	0.01	38	510	< 2	< 2	13	20	0.33	< 10	< 10	183	< 10	718
N111456	205	294	0.01	49	430	2	< 2	16	15	0.32	< 10	< 10	219	< 10	726
N111457	205	294	0.03	37	390	2	< 2	12	27	0.32	< 10	< 10	185	< 10	258
N111458	205	294	0.02	38	410	< 2	< 2	11	41	0.35	< 10	< 10	177	< 10	166
N111459	205	294	< 0.01	44	370	2	< 2	18	72	0.32	< 10	< 10	213	< 10	898
N111460	205	294	0.02	62	360	< 2	< 2	16	30	0.31	< 10	< 10	176	< 10	248
N111461	205	294	0.02	69	400	2	6	22	39	0.11	< 10	< 10	204	< 10	502
N111462	205	294	0.01	41	180	2	< 2	13	119	< 0.01	< 10	< 10	94	< 10	86

CERTIFICATION: Hart Bichler

* INTERFERENCES: Cu on Bi and P

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EXPATRIATE RESOURCES LTD.
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1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
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Project : ICE-15
Comments:

Certificate Date: 14-OCT-96
Invoice No. : I9635022
P.O. Number :
Account :MPO

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CERTIFICATE OF ANALYSIS A9635022

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
N111463	205	294	< 0.2	3.70	< 2	120	< 0.5	< 2	4.07	< 0.5	40	62	77	6.44	10	< 1	0.06	< 10	2.55	1310	< 1
N111464	205	294	< 0.2	3.71	< 2	120	< 0.5	4	3.55	< 0.5	42	66	75	6.86	10	< 1	0.06	< 10	2.87	1185	< 1
N111465	205	294	< 0.2	3.47	< 2	80	< 0.5	< 2	5.40	< 0.5	41	136	89	6.06	< 10	< 1	0.08	< 10	3.08	1420	< 1
N111466	205	294	< 0.2	3.19	< 2	120	< 0.5	< 2	3.05	< 0.5	39	39	76	6.21	10	< 1	0.05	< 10	2.26	960	< 1
N111467	205	294	< 0.2	3.18	< 2	90	< 0.5	< 2	2.68	< 0.5	34	30	83	5.99	10	< 1	0.03	< 10	2.04	900	< 1
N111468	205	294	< 0.2	3.63	< 2	140	< 0.5	< 2	3.36	< 0.5	33	41	84	6.52	10	< 1	0.01	< 10	2.72	1105	< 1
N111469	205	294	< 0.2	3.31	< 2	590	< 0.5	< 2	3.16	< 0.5	36	22	77	8.04	10	< 1	0.04	< 10	2.31	1400	< 1

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CERTIFICATE OF ANALYSIS A9635022

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N111463	205	294	0.01	35	460	< 2	< 2	18	26	0.38	< 10	< 10	222	< 10	98
N111464	205	294	0.01	41	440	< 2	< 2	18	29	0.36	< 10	< 10	218	< 10	108
N111465	205	294	0.01	62	330	< 2	< 2	22	51	0.06	< 10	< 10	160	< 10	88
N111466	205	294	< 0.01	37	590	< 2	< 2	13	35	0.33	< 10	< 10	188	< 10	88
N111467	205	294	< 0.01	38	570	< 2	< 2	8	17	0.29	< 10	< 10	165	< 10	84
N111468	205	294	< 0.01	35	580	< 2	< 2	13	12	0.37	< 10	< 10	207	< 10	84
N111469	205	294	< 0.01	31	1250	< 2	< 2	12	28	0.39	< 10	< 10	233	< 10	98

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CERTIFICATE OF ANALYSIS A9634688

SAMPLE	PREP CODE		Au g/t FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	Mg %	Mn ppm	Mo ppm	Na %
N111379	208	226	< 0.005	< 1	4.23	110	100	< 5	< 10	2.61	< 5	90	50	1150	9.69	< 10	0.05	3.08	1610	5	0.07
N111380	208	226	< 0.005	< 1	3.67	20	140	< 5	10	1.83	< 5	85	40	135	9.95	< 10	< 0.01	3.17	1850	< 5	0.05
N111381	208	226	< 0.005	< 1	3.60	20	240	< 5	< 10	1.81	10	70	40	4140	10.00	< 10	0.01	3.42	1900	< 5	0.08
N111382	208	226	< 0.005	1	6.46	30	680	< 5	< 10	0.59	< 5	50	80	33300	10.40	10	0.10	2.71	1450	< 5	0.01
N111383	208	226	0.030	< 1	2.31	510	120	< 5	< 10	0.12	< 5	45	210	28400	17.30	< 10	0.11	0.32	100	15	0.03
N111384	208	226	0.070	5	1.58	330	120	< 5	10	0.09	< 5	30	150	13830	15.25	< 10	0.06	0.26	110	10	0.03
N111385	208	226	0.270	9	0.42	50	100	< 5	< 10	0.05	< 5	145	140	12290	>30.0	< 10	0.03	0.06	70	< 5	0.02
N111386	208	226	0.380	8	0.06	70	20	< 5	50	0.02	< 5	430	80	15870	>30.0	< 10	0.01	< 0.01	30	20	0.03
N111387	208	226	0.425	12	0.04	70	20	< 5	30	0.04	< 5	805	90	40500	29.0	< 10	0.01	< 0.01	50	25	0.02
N111388	208	226	0.040	1	4.97	40	560	< 5	70	0.46	< 5	45	230	16590	8.20	< 10	0.20	1.95	460	< 5	0.05

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Certificate Date: 09-OCT-96
Invoice No. : I9634688
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9634688

SAMPLE	PREP CODE		Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm	Cu %
N111379	208	226	45	500	< 5	< 10	20	25	0.79	< 20	< 20	280	< 20	1025	0.12
N111380	208	226	35	700	< 5	< 10	15	5	0.86	< 20	< 20	280	< 20	1115	0.02
N111381	208	226	25	700	< 5	< 10	25	10	1.04	< 20	< 20	360	< 20	1325	0.43
N111382	208	226	30	600	< 5	< 10	40	15	0.46	< 20	< 20	420	< 20	705	3.61
N111383	208	226	40	1100	40	< 10	20	200	0.04	< 20	< 20	380	< 20	940	2.90
N111384	208	226	15	600	170	10	15	85	0.03	< 20	< 20	280	< 20	400	1.37
N111385	208	226	20	100	70	20	< 5	35	< 0.01	< 20	< 20	100	< 20	890	1.27
N111386	208	226	20	< 100	70	10	< 5	5	< 0.01	< 20	< 20	20	< 20	1125	1.64
N111387	208	226	10	< 100	50	< 10	< 5	20	< 0.01	< 20	< 20	< 20	< 20	520	4.35
N111388	208	226	45	< 100	10	< 10	25	15	0.26	< 20	< 20	240	< 20	660	1.83

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Certificate Date: 09-OCT-96
Invoice No. : I9634687
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9634687

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
N111368	205	226	< 0.2	3.40	< 2	120	< 0.5	< 2	2.91	< 0.5	30	44	73	6.78	< 10	< 1	0.04	< 10	2.38	1015	2
N111369	205	226	< 0.2	0.96	10	210	< 0.5	< 2	2.26	< 0.5	3	136	25	3.09	< 10	< 1	0.02	< 10	0.30	305	1
N111370	205	226	< 0.2	3.51	6	200	< 0.5	< 2	2.44	< 0.5	29	68	61	7.22	< 10	< 1	0.07	< 10	1.50	990	1
N111371	205	226	< 0.2	3.02	10	120	< 0.5	< 2	5.29	< 0.5	33	14	58	7.50	< 10	< 1	0.07	< 10	2.62	1455	1
N111372	205	226	< 0.2	3.56	< 2	130	< 0.5	< 2	5.08	< 0.5	36	75	69	7.71	< 10	< 1	0.02	< 10	2.32	1720	< 1
N111373	205	226	< 0.2	4.03	< 2	340	< 0.5	< 2	4.95	< 0.5	37	62	73	8.15	10	< 1	0.03	< 10	2.59	1805	1
N111374	205	226	< 0.2	3.94	< 2	140	< 0.5	< 2	3.94	< 0.5	38	68	74	8.15	< 10	< 1	0.03	< 10	2.42	1255	< 1
N111375	205	226	< 0.2	4.13	4	190	< 0.5	< 2	4.18	< 0.5	40	93	79	8.32	< 10	< 1	0.05	< 10	2.80	1480	< 1
N111376	205	226	< 0.2	0.34	4	230	0.5	< 2	>15.00	< 0.5	19	8	7	4.92	< 10	1	< 0.01	< 10	6.98	1800	< 1
N111377	205	226	< 0.2	3.31	< 2	140	< 0.5	< 2	2.33	< 0.5	32	33	87	6.54	< 10	< 1	0.01	< 10	2.31	1050	1
N111378	205	226	< 0.2	2.54	< 2	180	< 0.5	< 2	1.58	3.0	69	46	109	7.03	< 10	< 1	0.02	< 10	2.08	1185	1
N111389	205	226	< 0.2	3.64	< 2	1610	< 0.5	< 2	1.43	22.5	116	155	1915	9.21	< 10	< 1	0.06	< 10	3.21	1060	< 1
N111390	205	226	< 0.2	3.90	< 2	3140	< 0.5	< 2	2.03	20.0	131	154	1355	8.93	< 10	< 1	0.08	< 10	3.26	1030	< 1
N111391	205	226	< 0.2	4.04	< 2	930	< 0.5	< 2	2.22	4.0	131	176	273	9.11	< 10	< 1	0.07	< 10	3.48	1070	1
N111392	205	226	< 0.2	3.89	< 2	1050	< 0.5	< 2	3.63	< 0.5	78	181	188	6.69	< 10	< 1	0.06	< 10	3.17	985	< 1
N111393	205	226	1.4	3.73	< 2	60	< 0.5	< 2	1.27	8.0	38	106	583	10.45	< 10	1	0.03	< 10	2.98	875	2

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SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N111368	205	226	< 0.01	33	640	< 2	< 2	17	34	0.45	< 10	< 10	229	< 10	88
N111369	205	226	< 0.01	11	2140	< 2	< 2	2	23	< 0.01	< 10	< 10	88	< 10	10
N111370	205	226	< 0.01	30	640	< 2	< 2	23	18	< 0.01	< 10	< 10	200	< 10	82
N111371	205	226	< 0.01	21	610	< 2	< 2	21	39	< 0.01	< 10	< 10	184	< 10	96
N111372	205	226	< 0.01	37	500	< 2	< 2	26	56	0.17	< 10	< 10	224	< 10	94
N111373	205	226	< 0.01	34	520	< 2	< 2	26	55	0.25	< 10	< 10	245	< 10	98
N111374	205	226	0.01	39	560	< 2	< 2	29	57	0.05	< 10	< 10	220	< 10	98
N111375	205	226	0.01	40	550	< 2	2	33	70	0.12	< 10	< 10	262	< 10	110
N111376	205	226	< 0.01	12	80	4	< 2	4	236	< 0.01	< 10	< 10	54	< 10	144
N111377	205	226	0.01	29	480	< 2	< 2	11	24	0.46	< 10	< 10	186	< 10	92
N111378	205	226	< 0.01	28	420	< 2	< 2	13	24	0.39	< 10	< 10	146	< 10	1125
N111389	205	226	< 0.01	53	280	< 2	< 2	14	29	0.22	< 10	< 10	137	< 10	3350
N111390	205	226	< 0.01	58	220	< 2	< 2	15	35	0.14	< 10	< 10	121	< 10	4230
N111391	205	226	< 0.01	63	280	< 2	< 2	18	24	0.17	< 10	< 10	147	< 10	2600
N111392	205	226	0.01	61	300	< 2	< 2	17	25	0.22	< 10	< 10	162	< 10	736
N111393	205	226	< 0.01	36	330	4	< 2	18	17	0.33	< 10	< 10	208	< 10	3340

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CERTIFICATE OF ANALYSIS A9634686

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
N110295	205	226	< 0.2	3.11	< 2	110	< 0.5	< 2	1.70	< 0.5	25	35	65	5.52	< 10	< 1	0.01	< 10	1.77	635	2
N110296	205	226	< 0.2	3.42	< 2	80	< 0.5	< 2	2.06	< 0.5	26	44	68	5.71	< 10	< 1	< 0.01	< 10	1.90	700	1
N110297	205	226	< 0.2	3.33	< 2	120	< 0.5	< 2	2.11	< 0.5	27	37	72	5.81	< 10	< 1	0.02	< 10	1.91	715	1
N110298	205	226	< 0.2	2.53	4	580	< 0.5	< 2	1.67	< 0.5	33	16	31	9.43	10	< 1	0.06	< 10	0.93	835	1
N110299	205	226	< 0.2	2.44	2	590	< 0.5	< 2	1.78	< 0.5	28	13	14	8.85	10	< 1	0.07	< 10	0.93	760	< 1

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N110295	205	226	0.01	33	520	< 2	< 2	5	26	0.32	< 10	< 10	145	< 10	72
N110296	205	226	0.01	37	530	< 2	< 2	5	22	0.35	< 10	< 10	158	< 10	76
N110297	205	226	0.01	38	540	< 2	< 2	8	33	0.35	< 10	< 10	161	< 10	76
N110298	205	226	0.02	1	1230	< 2	< 2	6	33	0.44	< 10	< 10	265	< 10	116
N110299	205	226	0.02	< 1	1380	< 2	< 2	6	37	0.43	< 10	< 10	206	< 10	104

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SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
N110300	205	226	< 0.2	4.25	< 2	210	< 0.5	< 2	1.61	12.0	101	87	664	8.20	< 10	< 1	0.08	< 10	3.57	1170	2
N111354	205	226	< 0.2	3.52	< 2	110	< 0.5	< 2	1.91	9.5	99	65	190	6.74	< 10	< 1	0.10	< 10	3.33	1095	< 1
N111355	205	226	< 0.2	3.67	< 2	130	< 0.5	< 2	2.42	4.0	89	54	272	7.03	< 10	< 1	0.08	< 10	3.28	1040	1
N111356	205	226	< 0.2	3.14	< 2	120	< 0.5	< 2	3.04	< 0.5	46	51	79	5.87	< 10	< 1	0.08	< 10	3.22	845	< 1
N111357	205	226	< 0.2	3.15	< 2	90	< 0.5	2	2.49	< 0.5	38	49	74	5.93	< 10	< 1	0.08	< 10	3.01	815	1
N111358	205	226	< 0.2	3.61	< 2	300	< 0.5	< 2	2.14	< 0.5	122	81	61	8.45	< 10	< 1	0.03	< 10	3.21	1285	1
N111359	205	226	< 0.2	3.70	< 2	90	< 0.5	< 2	3.99	< 0.5	41	75	76	7.00	< 10	< 1	0.03	< 10	3.12	1110	1
N111360	205	226	< 0.2	3.33	< 2	90	< 0.5	< 2	3.64	< 0.5	38	48	79	6.49	< 10	< 1	0.05	< 10	3.02	1050	< 1
N111361	205	226	< 0.2	4.04	< 2	170	< 0.5	< 2	3.31	< 0.5	39	149	103	6.15	< 10	< 1	0.01	< 10	4.20	1255	1
N111362	205	226	< 0.2	4.56	< 2	70	< 0.5	< 2	3.50	2.0	74	181	399	5.86	< 10	< 1	0.01	< 10	3.82	745	1
N111363	205	226	< 0.2	5.02	< 2	420	< 0.5	< 2	2.92	12.5	107	192	1550	8.24	< 10	< 1	0.02	< 10	3.89	830	< 1
N111364	205	226	< 0.2	4.13	< 2	560	< 0.5	2	0.93	2.5	165	201	1530	9.22	< 10	< 1	0.02	< 10	4.20	1085	1
N111365	205	226	< 0.2	4.36	< 2	250	< 0.5	< 2	0.61	0.5	109	166	3440	7.99	< 10	< 1	0.03	< 10	4.04	965	1
N111366	205	226	< 0.2	3.72	< 2	120	< 0.5	< 2	3.65	< 0.5	61	99	793	6.37	< 10	< 1	0.02	< 10	3.61	1560	1
N111367	205	226	< 0.2	4.16	< 2	110	< 0.5	< 2	4.40	< 0.5	41	88	180	6.93	< 10	< 1	0.01	< 10	3.38	1780	1

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SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N110300	205	226	< 0.01	42	360	< 2	< 2	18	27	0.35	< 10	< 10	194	< 10	2600
N111354	205	226	< 0.01	37	330	< 2	< 2	19	30	0.43	< 10	< 10	192	< 10	2190
N111355	205	226	0.01	36	320	< 2	< 2	17	23	0.39	< 10	< 10	194	< 10	1260
N111356	205	226	0.01	33	350	< 2	< 2	18	22	0.41	< 10	< 10	180	< 10	214
N111357	205	226	0.01	29	370	< 2	< 2	16	24	0.41	< 10	< 10	180	< 10	150
N111358	205	226	< 0.01	41	370	< 2	< 2	25	12	0.40	< 10	< 10	239	< 10	1235
N111359	205	226	0.01	35	390	< 2	< 2	24	21	0.41	< 10	< 10	244	< 10	276
N111360	205	226	< 0.01	33	370	< 2	< 2	19	17	0.38	< 10	< 10	203	< 10	142
N111361	205	226	0.02	41	260	< 2	< 2	22	21	0.33	< 10	< 10	214	< 10	112
N111362	205	226	0.02	47	260	< 2	< 2	26	14	0.32	< 10	< 10	234	< 10	768
N111363	205	226	< 0.01	53	270	< 2	< 2	25	15	0.29	< 10	< 10	220	< 10	1630
N111364	205	226	< 0.01	61	300	< 2	< 2	31	11	0.33	< 10	< 10	244	< 10	1525
N111365	205	226	< 0.01	69	350	< 2	< 2	27	7	0.11	< 10	< 10	261	< 10	1030
N111366	205	226	< 0.01	43	430	< 2	< 2	25	53	0.39	< 10	< 10	226	< 10	330
N111367	205	226	< 0.01	37	440	< 2	< 2	23	24	0.40	< 10	< 10	233	< 10	122

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SAMPLE	PREP CODE		Cu %
N110263	244	--	1.22
N110264	244	--	1.41
N110265	244	--	1.52
N110266	244	--	1.18
N110271	244	--	1.01
N110272	244	--	1.64
N110273	244	--	0.91

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CERTIFICATE OF ANALYSIS A9632850

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
IC96-10 N110279	205	294	< 0.2	2.95	2	70	< 0.5	4	2.27	< 0.5	21	22	80	5.15	10	< 1	< 0.01	< 10	1.42	620	< 1
IC96-10 N110280	205	294	< 0.2	2.91	6	60	< 0.5	4	2.23	< 0.5	22	24	75	4.96	10	< 1	0.02	< 10	1.34	590	< 1
IC96-10 N110281	205	294	< 0.2	2.82	2	40	< 0.5	2	1.88	< 0.5	24	19	66	5.30	10	< 1	0.02	< 10	1.41	635	< 1
IC96-10 N110282	205	294	< 0.2	2.69	2	100	< 0.5	4	1.73	< 0.5	23	18	65	5.18	10	< 1	0.05	< 10	1.27	625	< 1

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CERTIFICATE OF ANALYSIS A9632850

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
IC96-10 N110279	205	294	0.01	24	480	< 2	< 2	4	11	0.50	< 10	< 10	180	< 10	46
IC96-10 N110280	205	294	0.01	24	490	< 2	< 2	4	13	0.47	< 10	< 10	180	< 10	44
IC96-10 N110281	205	294	0.01	25	510	< 2	2	4	13	0.36	< 10	< 10	159	< 10	70
IC96-10 N110282	205	294	0.01	25	510	< 2	< 2	3	16	0.34	< 10	< 10	155	< 10	74

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CERTIFICATE OF ANALYSIS A9631826

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
N110251	205	294	0.8	2.66	6	460	< 0.5	< 2	1.10	1.5	40	126	762	5.37	< 10	< 1	0.12	< 10	1.46	790	< 1
N110252	205	294	< 0.2	2.86	6	210	< 0.5	< 2	3.54	< 0.5	23	47	72	4.74	10	< 1	0.03	< 10	1.66	680	< 1
N110253	205	294	< 0.2	2.95	2	1820	< 0.5	< 2	2.43	0.5	20	58	71	4.83	10	< 1	0.06	< 10	1.73	665	< 1
N110254	205	294	0.2	2.84	2	270	< 0.5	< 2	1.57	2.5	22	72	1410	5.75	10	< 1	0.03	< 10	1.66	555	< 1
N110255	205	294	< 0.2	3.30	2	190	< 0.5	< 2	1.69	14.5	28	101	8380	5.22	< 10	< 1	0.06	< 10	1.71	750	< 1
N110262	205	294	< 0.2	5.67	16	10	< 0.5	< 2	0.04	1.0	82	192	8760	9.98	10	< 1	< 0.01	< 10	3.03	255	< 1
N110263	205	294	< 0.2	6.05	< 2	30	< 0.5	Intf*	0.05	1.5	68	213	>10000	10.10	20	3	0.01	< 10	3.49	265	< 1
N110264	205	294	0.2	6.09	16	10	< 0.5	Intf*	0.01	1.0	69	201	>10000	11.40	30	1	0.01	< 10	3.07	250	< 1
N110265	205	294	0.4	5.25	18	10	< 0.5	Intf*	0.01	0.5	84	183	>10000	11.25	10	2	0.01	< 10	2.63	225	< 1
N110266	205	294	0.2	4.77	12	10	< 0.5	Intf*	0.01	0.5	90	132	>10000	11.55	10	1	< 0.01	< 10	2.32	200	< 1
N110271	205	294	1.2	6.57	< 2	90	< 0.5	Intf*	0.12	1.5	71	125	>10000	9.37	10	< 1	0.08	< 10	1.90	350	< 1
N110272	205	294	1.2	5.67	< 2	20	< 0.5	Intf*	0.13	2.5	70	109	>10000	10.20	10	2	0.03	< 10	2.08	400	< 1
N110273	205	294	0.4	4.53	4	230	< 0.5	Intf*	0.21	20.5	67	125	>10000	9.79	10	< 1	0.05	< 10	2.71	795	< 1
N110274	205	294	0.2	4.58	< 2	130	< 0.5	< 2	1.94	37.0	64	129	4630	6.87	10	< 1	0.06	< 10	3.05	710	< 1
N110277	205	294	0.2	3.11	< 2	50	< 0.5	< 2	1.49	29.5	136	177	257	9.64	10	< 1	0.01	< 10	1.99	1360	< 1
N110278	205	294	< 0.2	3.09	< 2	1510	< 0.5	< 2	1.41	10.0	137	162	319	9.74	10	< 1	0.04	< 10	1.79	1335	< 1

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* INTERFEENCES: Cu on Bi and P

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SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N110251	205	294	0.04	37	550	168	< 2	12	31	0.19	< 10	< 10	131	< 10	286
N110252	205	294	< 0.01	29	570	6	< 2	6	78	0.47	< 10	< 10	154	< 10	82
N110253	205	294	0.01	26	500	14	< 2	11	44	0.46	< 10	< 10	177	< 10	76
N110254	205	294	0.03	26	320	16	< 2	12	14	0.32	< 10	< 10	160	< 10	214
N110255	205	294	0.05	32	130	10	< 2	17	8	0.22	< 10	< 10	114	< 10	354
N110262	205	294	0.01	35	< 10	8	< 2	17	2	0.03	< 10	< 10	188	< 10	316
N110263	205	294	0.01	38	Intf*	12	< 2	22	6	0.04	< 10	< 10	223	< 10	244
N110264	205	294	0.01	40	Intf*	14	< 2	20	4	0.03	< 10	< 10	199	< 10	206
N110265	205	294	0.01	34	Intf*	12	< 2	18	4	0.04	< 10	< 10	186	< 10	208
N110266	205	294	0.01	28	Intf*	14	< 2	15	1	0.03	< 10	< 10	167	< 10	176
N110271	205	294	0.02	29	Intf*	10	< 2	21	10	0.01	< 10	< 10	159	< 10	688
N110272	205	294	0.01	27	Intf*	16	< 2	30	14	0.11	< 10	< 10	176	< 10	900
N110273	205	294	0.03	37	Intf*	8	< 2	33	7	0.19	< 10	< 10	180	< 10	3740
N110274	205	294	0.03	44	180	6	< 2	24	24	0.22	< 10	< 10	150	< 10	2750
N110277	205	294	0.03	55	250	4	< 2	24	18	0.27	< 10	< 10	145	< 10	3040
N110278	205	294	0.03	47	230	6	< 2	24	16	0.13	< 10	< 10	152	< 10	2710

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* INTERFEENCES: Cu on Bi and P

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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To: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : ICE
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CERTIFICATE OF ANALYSIS A9631825

SAMPLE	PREP CODE		Au ppb FA+AA	Cu %	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	Mg %	Mn ppm	Mo ppm
N110256	208	294	< 5	1.82	< 1	6.27	< 10	340	< 5	< 10	0.74	10	50	200	17960	10.30	< 10	0.26	4.48	1430	< 5
N110257	208	294	15	0.58	< 1	4.61	< 10	60	< 5	< 10	0.90	5	40	180	5700	8.34	< 10	0.03	3.45	810	< 5
N110258	208	294	< 5	0.70	< 1	4.76	20	80	< 5	< 10	0.79	10	40	180	6990	8.28	< 10	0.02	2.98	730	< 5
N110259	208	294	< 5	0.50	< 1	5.59	40	140	< 5	< 10	0.77	5	40	180	4870	6.84	< 10	< 0.01	2.43	610	< 5
N110260	208	294	100	0.99	1	1.86	40	20	< 5	< 10	0.12	< 5	320	100	9260	21.3	< 10	0.01	0.89	140	15
N110261	208	294	25	1.72	1	1.06	30	20	< 5	< 10	0.04	< 5	690	130	16490	30.0	< 10	0.01	0.29	20	10
N110267	208	294	70	1.64	1	1.37	10	< 20	< 5	< 10	0.03	< 5	1015	110	15630	>30.0	< 10	0.01	0.58	30	25
N110268	208	294	30	1.69	< 1	2.59	10	80	< 5	< 10	0.05	< 5	535	110	16880	23.4	< 10	0.12	1.27	80	5
N110269	208	294	< 5	0.71	< 1	6.69	< 10	400	< 5	< 10	0.18	< 5	35	100	7340	7.92	< 10	0.06	2.70	570	< 5
N110270	208	294	25	1.05	< 1	5.12	40	60	< 5	< 10	0.14	< 5	85	120	10370	12.90	< 10	0.08	2.41	380	< 5
N110275	208	294	< 5	0.02	< 1	3.47	< 10	520	< 5	< 10	1.80	50	215	180	285	12.75	< 10	0.31	2.41	1920	< 5
N110276	208	294	40	2.18	1	1.28	10	20	< 5	< 10	0.04	< 5	645	100	21000	27.8	< 10	0.01	0.70	140	5

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To: EXPATRIATE RESOURCES LTD.
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1016 - 510 W. HASTINGS ST.
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Project : ICE
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CERTIFICATE OF ANALYSIS A9631825

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N110256	208	294	< 0.01	70	300	15	< 10	35	10	0.49	< 20	< 20	200	< 20	585
N110257	208	294	0.04	55	300	< 5	< 10	35	30	0.59	< 20	< 20	240	< 20	535
N110258	208	294	0.04	50	300	10	< 10	35	35	0.54	< 20	< 20	240	< 20	520
N110259	208	294	0.01	55	300	5	< 10	35	5	0.47	< 20	< 20	220	< 20	350
N110260	208	294	0.04	20	100	15	< 10	10	5	0.03	< 20	< 20	140	< 20	365
N110261	208	294	0.04	15	100	< 5	< 10	< 5	< 5	< 0.01	< 20	< 20	100	< 20	290
N110267	208	294	0.04	25	< 100	< 5	< 10	5	< 5	< 0.01	< 20	< 20	60	< 20	335
N110268	208	294	0.04	30	100	< 5	< 10	15	10	< 0.01	< 20	< 20	120	< 20	390
N110269	208	294	0.03	35	200	5	< 10	40	25	0.25	< 20	< 20	220	< 20	890
N110270	208	294	0.03	40	100	15	< 10	25	25	0.18	< 20	< 20	180	< 20	610
N110275	208	294	0.03	65	300	< 5	< 10	25	20	0.33	< 20	< 20	180	20	5180
N110276	208	294	0.04	15	< 100	< 5	< 10	5	5	< 0.01	< 20	< 20	60	< 20	180

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SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
N111280	205	226	< 0.2	3.06	< 2	1090	< 0.5	< 2	3.46	< 0.5	24	79	76	5.09	10	< 1	< 0.01	< 10	1.75	680	< 1
N111281	205	226	< 0.2	2.49	4	2410	< 0.5	< 2	2.18	< 0.5	25	102	78	4.87	10	< 1	0.04	< 10	2.11	705	< 1
N111282	205	226	< 0.2	2.99	< 2	120	< 0.5	< 2	2.61	< 0.5	25	80	64	5.34	10	< 1	0.06	< 10	2.19	745	< 1
N111283	205	294	< 0.2	2.78	< 2	550	< 0.5	< 2	2.08	< 0.5	27	66	72	5.43	10	< 1	0.14	< 10	2.34	810	< 1
N111284	205	294	< 0.2	3.04	< 2	150	< 0.5	< 2	2.52	< 0.5	28	64	59	5.34	10	< 1	0.11	< 10	2.09	740	< 1
N111285	205	294	< 0.2	3.63	< 2	80	< 0.5	< 2	2.98	< 0.5	33	79	77	6.13	10	< 1	0.05	< 10	2.56	855	< 1
N111286	205	294	< 0.2	3.22	< 2	590	< 0.5	< 2	2.49	< 0.5	31	73	74	5.57	10	< 1	0.07	< 10	2.70	835	< 1
N111287	205	294	< 0.2	2.86	8	80	< 0.5	< 2	2.70	< 0.5	30	42	49	5.50	10	< 1	0.08	< 10	1.96	925	< 1
N111288	205	294	< 0.2	3.25	< 2	110	< 0.5	< 2	3.20	< 0.5	28	34	69	5.60	10	< 1	0.07	< 10	1.89	775	< 1
N111289	205	294	< 0.2	4.37	< 2	350	< 0.5	< 2	4.00	< 0.5	28	81	77	5.91	10	< 1	0.14	< 10	2.44	940	< 1

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1016 - 510 W. HASTINGS ST.
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SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N111280	205	226	0.03	22	400	6	< 2	5	29	0.46	< 10	< 10	169	< 10	70
N111281	205	226	0.05	28	360	10	< 2	6	26	0.44	< 10	< 10	151	< 10	58
N111282	205	226	0.04	26	360	20	< 2	6	7	0.45	< 10	< 10	163	< 10	66
N111283	205	294	0.03	25	370	< 2	< 2	5	9	0.45	< 10	< 10	143	< 10	72
N111284	205	294	0.03	27	360	6	< 2	5	8	0.42	< 10	< 10	157	< 10	70
N111285	205	294	0.02	32	350	10	2	6	9	0.44	< 10	< 10	171	< 10	82
N111286	205	294	0.03	32	300	6	< 2	7	11	0.43	< 10	< 10	148	< 10	74
N111287	205	294	0.01	31	410	2	< 2	6	22	0.44	< 10	< 10	179	< 10	80
N111288	205	294	0.02	20	350	4	< 2	5	12	0.42	< 10	< 10	156	< 10	74
N111289	205	294	0.01	28	190	< 2	< 2	8	11	0.35	< 10	< 10	130	< 10	80

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CERTIFICATE OF ANALYSIS A9631084

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
N110335	205	226	< 0.2	0.71	6	170	< 0.5	2	0.06	< 0.5	13	618	5	1.89	< 10	< 1	0.17	10	0.06	1165	1

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SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N110335	205	226	< 0.01	30	210	18	< 2	< 1	4	< 0.01	< 10	< 10	8	< 10	28

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SAMPLE	PREP CODE		Au ppb FA+AA	Cu %	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	Mg %	Mn ppm	Mo ppm
N110951	208	222	-----	-----	< 1	2.96	< 10	120	< 5	< 10	2.31	< 5	35	60	800	6.60	< 10	0.03	1.70	720	5
N110952	208	222	-----	-----	< 1	3.62	< 10	240	< 5	< 10	2.49	< 5	30	70	870	6.51	10	0.05	2.16	720	< 5
N110953	208	222	-----	-----	< 1	5.77	< 10	420	< 5	< 10	0.51	< 5	55	220	2500	11.75	< 10	0.15	3.31	1420	< 5
N110954	208	222	-----	-----	< 1	5.23	30	160	< 5	< 10	0.62	< 5	60	220	4230	12.70	< 10	0.07	2.10	760	< 5
N110955	208	222	-----	-----	< 1	0.82	160	40	< 5	< 10	0.03	< 5	355	120	3720	23.5	< 10	0.10	0.13	10	130
N110956	208	222	20	1.70	< 1	2.25	30	20	< 5	< 10	0.04	< 5	450	120	16410	18.30	10	0.10	0.70	30	15
N110957	208	222	20	2.06	< 1	1.38	30	20	< 5	< 10	0.03	< 5	775	120	20500	28.0	10	0.15	0.47	20	15
N110958	208	222	20	4.99	1	0.11	10	20	< 5	< 10	0.01	< 5	725	90	47300	>30.0	< 10	0.07	< 0.01	< 10	15
N110959	208	222	10	2.35	< 1	7.37	< 10	20	< 5	< 10	0.05	< 5	210	230	24200	25.6	< 10	0.10	3.66	250	< 5
N110960	208	222	30	1.99	< 1	1.35	< 10	< 20	< 5	< 10	0.02	< 5	385	110	20200	27.7	< 10	0.03	0.42	30	20
N110961	208	222	25	1.63	< 1	1.59	< 10	< 20	< 5	< 10	0.02	< 5	640	120	15780	>30.0	< 10	0.03	0.71	60	10
N110962	208	222	10	2.36	< 1	7.83	10	120	< 5	< 10	0.11	< 5	60	210	24600	12.10	< 10	0.08	5.68	620	< 5
N110963	208	222	< 5	2.75	< 1	7.03	< 10	460	< 5	< 10	0.27	< 5	55	150	28300	10.75	< 10	0.06	4.06	780	< 5
N110964	208	222	< 5	0.60	< 1	4.86	< 10	120	< 5	< 10	2.35	30	100	80	6200	9.67	< 10	0.04	3.36	930	< 5
N110965	208	222	-----	-----	< 1	4.22	10	80	< 5	< 10	2.61	35	130	110	575	10.40	< 10	0.01	3.94	1190	< 5
N110966	208	222	-----	-----	< 1	4.20	< 10	240	< 5	< 10	3.21	< 5	65	130	110	7.10	< 10	0.11	3.89	850	< 5
N110967	208	222	-----	-----	< 1	4.29	< 10	120	< 5	< 10	2.86	< 5	60	140	80	6.94	< 10	0.05	4.55	930	< 5
N111299	208	222	-----	-----	< 1	3.20	< 10	180	< 5	< 10	2.46	< 5	30	80	355	5.60	< 10	0.09	2.10	950	< 5
N111300	208	222	-----	-----	< 1	3.64	< 10	100	< 5	< 10	2.40	< 5	40	60	910	7.71	10	0.04	2.44	1380	< 5

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CERTIFICATE OF ANALYSIS A9631048

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N110951	208	222	0.08	35	500	5	< 10	15	5	0.60	< 20	< 20	200	< 20	215
N110952	208	222	0.06	40	400	< 5	< 10	15	10	0.60	< 20	< 20	200	< 20	185
N110953	208	222	0.03	85	200	< 5	< 10	25	5	0.41	< 20	< 20	200	< 20	910
N110954	208	222	0.03	50	300	25	< 10	30	5	0.43	< 20	< 20	240	< 20	950
N110955	208	222	0.05	15	600	< 5	< 10	5	5	0.03	< 20	< 20	180	< 20	235
N110956	208	222	0.06	25	200	5	< 10	5	15	< 0.01	< 20	< 20	120	< 20	195
N110957	208	222	0.05	20	200	5	< 10	5	15	< 0.01	< 20	< 20	100	< 20	145
N110958	208	222	0.06	5	< 100	170	< 10	< 5	15	0.01	< 20	< 20	20	< 20	35
N110959	208	222	0.08	50	100	20	< 10	25	50	0.09	< 20	< 20	380	< 20	190
N110960	208	222	0.05	15	< 100	< 5	< 10	5	5	< 0.01	< 20	< 20	100	< 20	200
N110961	208	222	0.06	20	< 100	< 5	< 10	5	5	< 0.01	< 20	< 20	60	< 20	105
N110962	208	222	0.06	60	200	< 5	< 10	35	5	0.02	< 20	< 20	220	< 20	405
N110963	208	222	0.04	55	400	< 5	< 10	50	10	0.35	< 20	< 20	260	< 20	500
N110964	208	222	0.02	45	400	< 5	< 10	30	5	0.56	< 20	< 20	220	< 20	2990
N110965	208	222	0.04	55	400	10	< 10	30	10	0.58	< 20	< 20	220	< 20	3530
N110966	208	222	0.05	45	300	< 5	< 10	20	5	0.49	< 20	< 20	200	< 20	1105
N110967	208	222	0.05	50	300	< 5	< 10	25	10	0.55	< 20	< 20	220	< 20	205
N111299	208	222	0.05	35	400	40	< 10	10	15	0.59	< 20	< 20	180	< 20	160
N111300	208	222	0.03	40	400	< 5	< 10	15	5	0.70	< 20	< 20	240	< 20	330

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SAMPLE	PREP CODE		Cu tot %	Cu - %	Cu + %	Wt. - grams	Wt. + grams					
N111173	299	--	0.04	0.04	0.01	211	12.85					
N111174	299	--	0.05	0.05	0.01	223	8.63					
N111175	299	--	0.05	0.05	0.02	244	0.84					
N111176	299	--	0.04	0.04	0.01	227	6.42					

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SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
N111172	208	226	< 0.2	3.07	< 2	310	< 0.5	< 2	2.39	< 0.5	26	26	286	5.18	10	< 1	0.10	< 10	1.50	620	1
N111177	208	226	< 0.2	1.45	< 2	30	< 0.5	< 2	1.53	< 0.5	14	165	43	2.26	< 10	< 1	0.01	< 10	0.49	320	1
N111178	208	226	< 0.2	3.39	< 2	150	< 0.5	< 2	2.74	< 0.5	34	33	100	6.54	10	< 1	0.03	< 10	2.55	965	1
N111179	208	226	< 0.2	2.74	< 2	50	< 0.5	< 2	1.78	< 0.5	32	30	64	5.36	10	< 1	0.01	< 10	1.72	750	1
N111180	208	226	< 0.2	2.93	< 2	120	< 0.5	< 2	1.87	< 0.5	32	20	71	5.59	10	< 1	0.03	< 10	1.64	760	1
N111181	208	226	< 0.2	2.46	< 2	340	< 0.5	< 2	1.58	< 0.5	43	16	66	5.65	< 10	1	0.11	< 10	1.35	825	1
N111182	208	226	< 0.2	2.88	< 2	210	< 0.5	< 2	1.94	< 0.5	63	23	71	6.91	10	< 1	0.03	< 10	1.76	1110	1
N111183	208	226	< 0.2	3.11	< 2	60	< 0.5	< 2	2.06	< 0.5	42	25	68	6.28	10	< 1	0.01	< 10	1.83	850	2
N111184	208	226	< 0.2	3.66	< 2	40	< 0.5	< 2	2.68	< 0.5	44	28	89	6.43	10	< 1	0.01	< 10	1.94	945	1
N111185	208	226	< 0.2	3.21	< 2	780	< 0.5	< 2	1.51	< 0.5	41	25	92	7.23	< 10	< 1	0.06	< 10	2.88	1000	1
N111186	208	226	< 0.2	3.50	< 2	630	< 0.5	< 2	1.81	< 0.5	39	24	74	7.65	10	< 1	0.07	< 10	2.58	965	1
N111187	208	226	< 0.2	2.30	< 2	680	< 0.5	< 2	1.56	< 0.5	80	44	60	7.35	< 10	< 1	0.03	< 10	2.22	1115	1
N111188	208	226	< 0.2	2.95	< 2	360	< 0.5	< 2	2.00	< 0.5	78	33	94	8.16	< 10	< 1	0.02	< 10	2.78	1165	1
N111189	208	226	< 0.2	2.93	< 2	90	< 0.5	< 2	1.60	< 0.5	42	21	59	6.89	10	< 1	0.03	< 10	2.19	830	1
N111190	208	226	< 0.2	3.05	< 2	220	< 0.5	< 2	1.72	< 0.5	55	29	56	7.48	< 10	< 1	0.03	< 10	2.15	965	1
N111191	208	226	< 0.2	3.04	< 2	140	< 0.5	< 2	1.50	< 0.5	42	27	59	6.89	< 10	< 1	< 0.01	< 10	2.59	865	2
N111192	208	226	< 0.2	1.88	< 2	90	< 0.5	< 2	1.51	< 0.5	61	22	48	5.35	< 10	< 1	< 0.01	< 10	1.83	795	1
N111193	208	226	< 0.2	3.89	< 2	40	< 0.5	< 2	2.79	0.5	33	119	108	6.52	10	< 1	< 0.01	< 10	3.84	1070	1
N111194	208	226	< 0.2	4.02	2	520	< 0.5	< 2	1.09	0.5	31	203	177	6.81	< 10	< 1	< 0.01	< 10	4.52	975	1
N111195	208	226	0.2	4.41	< 2	140	< 0.5	< 2	2.55	< 0.5	37	126	214	7.57	< 10	1	< 0.01	< 10	4.85	1125	2
N111196	208	226	< 0.2	4.43	< 2	420	< 0.5	< 2	4.88	< 0.5	34	147	260	7.04	10	< 1	< 0.01	< 10	4.91	1265	1
N111197	208	226	0.2	3.47	< 2	200	< 0.5	< 2	8.83	< 0.5	25	105	52	5.22	< 10	< 1	< 0.01	< 10	3.67	1245	< 1
N111198	208	226	0.2	4.54	< 2	1190	< 0.5	< 2	5.27	< 0.5	32	102	66	6.62	< 10	1	0.07	< 10	4.58	1190	1

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Chemex Labs Ltd.

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To: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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Project : ICE
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Invoice No. : I9630087
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9630087

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N111172	208	226	< 0.01	27	540	2	< 2	5	21	0.50	< 10	< 10	188	< 10	136
N111177	208	226	< 0.01	9	90	< 2	< 2	1	152	0.10	< 10	< 10	93	< 10	94
N111178	208	226	< 0.01	35	520	< 2	< 2	7	9	0.54	< 10	< 10	190	< 10	144
N111179	208	226	< 0.01	29	490	< 2	< 2	6	12	0.37	< 10	< 10	155	< 10	116
N111180	208	226	< 0.01	30	540	< 2	< 2	5	7	0.38	< 10	< 10	166	< 10	134
N111181	208	226	< 0.01	28	510	< 2	< 2	5	9	0.37	< 10	< 10	145	< 10	278
N111182	208	226	< 0.01	30	490	< 2	2	7	8	0.46	< 10	< 10	174	< 10	816
N111183	208	226	< 0.01	31	530	< 2	2	6	9	0.51	< 10	< 10	189	< 10	334
N111184	208	226	< 0.01	31	480	< 2	< 2	6	11	0.52	< 10	< 10	190	< 10	304
N111185	208	226	< 0.01	31	720	< 2	< 2	6	21	0.71	< 10	< 10	198	< 10	180
N111186	208	226	< 0.01	29	710	< 2	< 2	6	25	0.64	< 10	< 10	230	< 10	180
N111187	208	226	< 0.01	29	600	< 2	2	11	44	0.59	< 10	< 10	175	< 10	800
N111188	208	226	< 0.01	35	670	< 2	2	11	46	0.58	< 10	< 10	170	< 10	664
N111189	208	226	< 0.01	26	680	< 2	< 2	10	33	0.55	< 10	< 10	205	< 10	178
N111190	208	226	< 0.01	27	670	< 2	< 2	8	24	0.54	< 10	< 10	198	< 10	336
N111191	208	226	< 0.01	31	670	< 2	2	7	40	0.66	< 10	< 10	196	< 10	152
N111192	208	226	< 0.01	23	480	< 2	< 2	7	51	0.54	< 10	< 10	142	< 10	394
N111193	208	226	< 0.01	41	330	< 2	2	12	12	0.40	< 10	< 10	206	< 10	142
N111194	208	226	< 0.01	52	290	< 2	< 2	13	5	0.31	< 10	< 10	183	< 10	404
N111195	208	226	< 0.01	43	310	< 2	< 2	19	17	0.37	< 10	< 10	230	< 10	144
N111196	208	226	< 0.01	44	290	< 2	2	28	33	0.42	< 10	< 10	245	< 10	126
N111197	208	226	< 0.01	34	290	< 2	< 2	25	57	0.40	< 10	< 10	213	< 10	70
N111198	208	226	< 0.01	40	340	< 2	< 2	17	63	0.43	< 10	< 10	207	< 10	246

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Project : ICE
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Certificate Date: 04-SEP-96
Invoice No. : I9629963
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CERTIFICATE OF ANALYSIS A9629963

SAMPLE	PREP CODE		Cu tot %	Cu - %	Cu + %	Wt. - grams	Wt. + grams					
N111078	244	--	0.09	0.09	0.03	220	7.70					
N111079	244	--	0.18	0.19	0.04	239	11.30					
N111080	244	--	0.15	0.16	0.04	208	10.60					
N111081	244	--	0.17	0.18	0.04	195	11.70					
N111082	244	--	0.28	0.30	0.02	204	15.40					
N111083	244	--	0.15	0.15	0.03	224	6.06					
N111084	244	--	0.12	0.12	0.02	220	8.35					
N111085	244	--	0.21	0.21	0.05	225	6.56					
N111086	244	--	0.21	0.21	0.01	211	not/ss					
N111087	244	--	0.24	0.24	0.06	218	1.89					
N111088	244	--	0.34	0.35	0.09	195	6.81					
N111089	244	--	0.32	0.34	0.02	169	12.70					
N111090	244	--	0.21	0.23	0.01	181	17.15					
N111091	244	--	0.39	0.39	0.08	250	2.89					
N111092	244	--	0.08	0.08	0.01	252	3.32					
N111093	244	--	0.09	0.09	0.01	225	2.74					
N111094	244	--	1.02	1.02	0.01	211	not/ss					
N111095	244	--	0.20	0.20	0.06	255	0.89					
N111096	244	--	0.25	0.25	0.04	224	1.34					
N111097	244	--	0.46	0.46	0.24	228	1.41					
N111098	244	--	0.46	0.46	0.12	223	2.26					
N111099	244	--	0.39	0.39	0.19	240	3.47					
N111100	244	--	0.48	0.51	0.02	217	13.15					
N111151	244	--	0.16	0.18	0.04	134	17.90					
N111152	244	--	0.33	0.34	0.10	208	5.79					
N111153	244	--	0.31	0.32	0.03	199	7.34					
N111154	244	--	0.05	0.05	0.01	220	13.10					
N111155	244	--	0.10	0.11	0.02	228	18.40					
N111156	244	--	0.11	0.12	0.02	214	17.15					
N111157	244	--	0.47	0.49	0.07	190	10.45					
N111158	244	--	0.09	0.09	0.02	217	15.85					
N111159	244	--	< 0.01	< 0.01	< 0.01	247	19.60					
N111160	244	--	< 0.01	< 0.01	< 0.01	245	13.50					
N111161	244	--	< 0.01	< 0.01	< 0.01	257	11.20					
N111162	244	--	< 0.01	< 0.01	< 0.01	231	11.10					
N111163	244	--	< 0.01	< 0.01	< 0.01	246	15.00					
N111164	244	--	< 0.01	< 0.01	< 0.01	241	9.56					
N111165	244	--	< 0.01	< 0.01	< 0.01	225	11.45					
N111166	244	--	< 0.01	< 0.01	< 0.01	231	10.65					
N111167	244	--	< 0.01	0.10	< 0.01	227	14.25					

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To: EXPATRIATE RESOURCES LTD.
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1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : ICE
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Certificate Date: 04-SEP-96
Invoice No. : I9629963
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CERTIFICATE OF ANALYSIS A9629963

SAMPLE	PREP CODE		Cu tot %	Cu - %	Cu + %	Wt. - grams	Wt. + grams					
N111168	244	--	< 0.01	< 0.01	0.01	209	14.70					
N111169	244	--	< 0.01	< 0.01	0.01	227	10.70					
N111170	244	--	< 0.01	< 0.01	0.01	231	21.3					
N111171	244	--	< 0.01	< 0.01	< 0.01	201	16.15					

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CERTIFICATE OF ANALYSIS A9629954

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	Mg %	Mn ppm	Mo ppm	Na %
N111173	208	226	< 5	< 1	3.23	< 10	280	< 5	< 10	2.47	< 5	45	20	450	6.45	< 10	0.17	1.64	830	< 5	0.05
N111174	208	226	< 5	< 1	3.58	< 10	200	< 5	< 10	2.85	< 5	65	30	575	6.94	< 10	0.12	1.73	1000	< 5	0.04
N111175	208	226	< 5	< 1	3.39	< 10	300	< 5	< 10	2.52	< 5	40	20	585	6.60	< 10	0.24	1.65	780	< 5	0.10
N111176	208	226	< 5	< 1	3.08	< 10	200	< 5	< 10	2.12	< 5	35	30	445	6.25	< 10	0.16	2.00	770	< 5	0.04

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SAMPLE	PREP CODE		Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N111173	208	226	35	500	< 5	< 10	5	45	0.79	< 20	< 20	220	< 20	170
N111174	208	226	40	500	15	< 10	5	20	0.76	< 20	< 20	220	< 20	160
N111175	208	226	35	600	5	< 10	5	45	0.80	< 20	< 20	220	< 20	135
N111176	208	226	40	500	< 5	< 10	5	60	0.84	< 20	< 20	220	< 20	185

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SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
N111278	255	295	0.2	4.32	2	80	< 0.5	6	4.16	< 0.5	28	96	86	5.78	10	< 1	0.01	< 10	2.44	955	< 1
N111279	255	295	< 0.2	3.99	< 2	130	< 0.5	4	5.31	< 0.5	25	106	66	5.82	10	< 1	0.04	< 10	2.25	975	< 1

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CERTIFICATE OF ANALYSIS A9629743

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N111278	255	295	0.04	93	340	< 2	< 2	7	20	0.38	< 10	< 10	136	< 10	72
N111279	255	295	0.01	36	320	< 2	< 2	14	38	0.26	< 10	< 10	181	< 10	72

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SAMPLE	PREP CODE		Au ppb FA+AA	Cu %	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
N111199	255	295	< 5	0.15	< 0.2	2.76	< 2	70	< 0.5	10	2.18	0.5	27	49	1510	5.26	< 10	< 1	0.08	< 10	1.77
N111200	255	295	< 5	0.16	< 0.2	3.73	4	70	< 0.5	2	2.76	0.5	36	81	1645	6.49	10	< 1	0.03	< 10	2.38
N111251	255	295	< 5	0.24	< 0.2	3.33	6	90	< 0.5	2	2.21	1.5	43	79	2510	6.82	10	< 1	0.04	< 10	2.54
N111252	255	295	< 5	0.23	0.2	3.08	< 2	970	< 0.5	2	1.77	2.0	35	72	2340	7.03	10	< 1	0.06	< 10	2.41
N111253	255	295	< 5	0.25	< 0.2	3.89	2	340	< 0.5	< 2	1.57	0.5	46	87	2710	7.75	10	1	0.25	< 10	3.36
N111254	255	295	< 5	0.39	0.2	3.28	< 2	340	< 0.5	6	1.69	1.5	45	79	4360	8.50	10	< 1	0.10	< 10	2.49
N111255	255	295	< 5	0.30	0.2	4.69	4	1010	< 0.5	< 2	1.08	0.5	59	93	3440	9.56	10	< 1	0.23	< 10	3.90
N111256	255	295	< 5	0.22	< 0.2	3.72	4	240	< 0.5	14	1.59	1.5	43	96	2430	7.78	10	1	0.11	< 10	3.02
N111257	255	295	< 5	0.39	0.2	3.89	10	450	< 0.5	6	2.00	3.5	48	97	4320	8.69	10	< 1	0.07	< 10	2.78
N111258	255	295	< 5	0.17	0.2	3.38	< 2	80	< 0.5	6	2.70	2.5	24	48	1790	6.12	10	< 1	0.07	< 10	1.85
N111259	255	295	< 5	0.18	< 0.2	3.55	< 2	60	< 0.5	4	2.68	1.5	26	70	1750	6.18	10	< 1	0.03	< 10	2.14
N111260	255	295	< 5	0.28	< 0.2	3.22	6	80	< 0.5	2	1.86	1.5	29	69	2760	5.92	10	1	0.08	< 10	2.26
N111261	255	295	< 5	0.38	0.2	3.10	< 2	130	< 0.5	< 2	2.13	2.0	28	54	3740	5.99	10	3	0.04	< 10	1.94
N111262	255	295	< 5	0.69	0.2	2.92	< 2	80	< 0.5	2	1.72	2.0	22	48	5370	5.08	< 10	< 1	0.08	< 10	1.85
N111263	255	295	< 5	0.97	< 0.2	3.25	< 2	80	< 0.5	< 2	1.77	2.5	33	63	9610	6.49	10	1	0.02	< 10	2.15
N111264	255	295	< 5	2.92	< 0.2	3.07	2	140	< 0.5	Intf*	0.55	1.5	32	105	>10000	8.25	< 10	3	0.11	< 10	1.89
N111265	255	295	< 5	2.98	< 0.2	2.54	< 2	80	< 0.5	Intf*	0.71	0.5	24	115	>10000	6.84	< 10	2	0.04	< 10	1.06
N111266	255	295	< 5	1.07	< 0.2	1.12	< 2	40	< 0.5	< 2	0.68	< 0.5	16	184	9930	3.87	< 10	< 1	0.01	< 10	0.53
N111267	255	295	< 5	2.47	0.2	2.38	< 2	70	< 0.5	Intf*	0.99	0.5	33	93	>10000	6.11	< 10	3	0.01	< 10	2.03
N111268	255	295	< 5	1.37	0.2	3.77	2	100	< 0.5	Intf*	1.25	3.0	35	101	>10000	7.19	10	1	0.03	< 10	2.94
N111269	255	295	< 5	1.14	< 0.2	4.14	6	130	< 0.5	Intf*	1.11	5.5	40	150	>10000	7.93	10	1	0.04	< 10	2.78
N111270	255	295	< 5	1.78	< 0.2	4.04	< 2	600	< 0.5	Intf*	0.57	2.5	40	169	>10000	7.90	10	1	0.03	< 10	2.11
N111271	255	295	< 5	5.15	< 0.2	3.56	14	160	< 0.5	Intf*	0.64	30.0	209	69	>10000	>15.00	< 10	3	0.12	< 10	0.86
N111272	255	295	< 5	0.40	< 0.2	4.03	6	230	< 0.5	4	1.97	9.0	70	89	4040	8.83	10	< 1	0.05	< 10	2.65
N111273	255	295	< 5	0.01	< 0.2	3.26	2	110	< 0.5	4	1.96	7.0	57	89	159	7.04	10	1	0.03	< 10	2.57
N111274	255	295	< 5	0.01	0.2	4.14	6	60	< 0.5	6	2.44	< 0.5	42	85	127	6.63	10	1	0.09	< 10	2.81
N111275	255	295	< 5	0.01	0.2	3.42	2	60	< 0.5	4	2.29	< 0.5	32	55	78	6.19	< 10	< 1	0.05	< 10	2.30
N111276	255	295	< 5	< 0.01	< 0.2	4.19	< 2	60	< 0.5	6	3.33	< 0.5	32	74	93	6.24	10	< 1	0.01	< 10	2.70
N111277	255	295	< 5	< 0.01	< 0.2	3.71	4	60	< 0.5	6	2.75	< 0.5	29	64	83	5.78	10	< 1	0.07	< 10	2.48

CERTIFICATION: HartBichler

*INTERFERENCE: Cu ON Bi AND P.

Chemex Labs Ltd.
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'o: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : ICE
Comments:

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Invoice No. : I9629740
P.O. Number :
Account : MPO

*PLEASE NOTE

CERTIFICATE OF ANALYSIS A9629740

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N111199	255	295	710	< 1	0.02	34	390	26	< 2	7	7	0.35	< 10	< 10	150	< 10	132
N111200	255	295	910	< 1	0.02	47	310	< 2	< 2	10	8	0.36	< 10	< 10	189	< 10	200
N111251	255	295	910	< 1	0.04	45	300	2	< 2	13	9	0.39	< 10	< 10	170	< 10	278
N111252	255	295	915	< 1	0.03	37	300	8	< 2	13	13	0.41	< 10	< 10	157	< 10	286
N111253	255	295	1190	< 1	0.04	50	260	< 2	< 2	20	29	0.43	< 10	< 10	141	< 10	308
N111254	255	295	940	< 1	0.03	43	360	< 2	< 2	15	21	0.40	< 10	< 10	163	< 10	436
N111255	255	295	1395	< 1	< 0.01	57	280	2	< 2	24	35	0.44	< 10	< 10	138	< 10	458
N111256	255	295	1015	< 1	0.04	45	310	< 2	2	18	27	0.38	< 10	< 10	165	< 10	282
N111257	255	295	860	< 1	0.04	41	270	< 2	< 2	23	18	0.37	< 10	< 10	213	< 10	422
N111258	255	295	560	< 1	0.04	27	370	< 2	< 2	9	10	0.35	< 10	< 10	168	< 10	116
N111259	255	295	645	< 1	0.03	32	270	< 2	< 2	10	9	0.36	< 10	< 10	174	< 10	134
N111260	255	295	790	< 1	0.03	34	310	< 2	< 2	8	9	0.36	< 10	< 10	142	< 10	124
N111261	255	295	675	< 1	0.03	29	310	< 2	< 2	9	8	0.40	< 10	< 10	169	< 10	160
N111262	255	295	680	< 1	0.02	26	260	< 2	< 2	11	9	0.35	< 10	< 10	152	< 10	130
N111263	255	295	770	< 1	0.03	32	240	< 2	< 2	11	11	0.39	< 10	< 10	161	< 10	214
N111264	255	295	575	< 1	0.02	34	Intf*	< 2	< 2	26	9	0.19	< 10	< 10	238	< 10	310
N111265	255	295	285	< 1	0.01	25	Intf*	< 2	2	21	48	0.15	< 10	< 10	199	< 10	294
N111266	255	295	125	< 1	0.01	15	240	< 2	< 2	10	31	0.16	< 10	< 10	118	< 10	172
N111267	255	295	585	< 1	0.02	40	Intf*	< 2	< 2	17	15	0.36	< 10	< 10	142	< 10	214
N111268	255	295	790	< 1	0.02	47	Intf*	2	< 2	17	33	0.35	< 10	< 10	158	< 10	190
N111269	255	295	670	< 1	0.03	56	Intf*	< 2	< 2	26	8	0.21	< 10	< 10	239	< 10	262
N111270	255	295	385	< 1	0.02	49	Intf*	< 2	< 2	30	60	0.02	< 10	< 10	240	< 10	336
N111271	255	295	1530	< 1	< 0.01	34	Intf*	< 2	< 2	22	31	< 0.01	< 10	< 10	148	< 10	5480
N111272	255	295	1135	< 1	< 0.01	50	320	< 2	< 2	23	14	0.28	< 10	< 10	207	< 10	1420
N111273	255	295	995	< 1	< 0.01	38	330	< 2	< 2	14	15	0.36	< 10	< 10	164	< 10	906
N111274	255	295	955	< 1	< 0.01	40	260	< 2	< 2	11	6	0.41	< 10	< 10	144	< 10	286
N111275	255	295	835	< 1	0.01	29	390	< 2	< 2	8	7	0.37	< 10	< 10	160	< 10	164
N111276	255	295	910	< 1	0.01	34	350	< 2	< 2	12	9	0.37	< 10	< 10	189	< 10	164
N111277	255	295	845	< 1	0.01	33	310	< 2	< 2	10	9	0.40	< 10	< 10	162	< 10	114

CERTIFICATION: Hart Bichler

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Project : ICE
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CERTIFICATE OF ANALYSIS A9628917

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
N111091	208	226	< 5	< 0.2	2.74	< 2	50	< 0.5	< 2	1.51	4.5	26	134	3630	4.49	< 10	< 1	0.19	< 10	2.50	640
N111092	208	226	< 5	< 0.2	3.01	< 2	40	< 0.5	< 2	2.42	15.0	30	124	766	4.50	10	< 1	0.06	< 10	2.34	630
N111093	208	226	< 5	4.8	3.71	< 2	50	< 0.5	< 2	3.52	25.0	42	121	891	5.42	10	< 1	0.04	< 10	2.00	620
N111094	208	226	< 5	< 0.2	1.04	< 2	10	< 0.5	< 2	0.61	35.5	507	39	9280	>15.00	< 10	< 1	0.04	< 10	0.45	3930
N111095	208	226	< 5	< 0.2	2.07	< 2	30	< 0.5	< 2	1.31	9.0	96	96	1895	10.10	< 10	< 1	< 0.01	< 10	1.75	915
N111096	208	226	< 5	0.6	2.26	< 2	90	< 0.5	< 2	0.60	4.5	63	138	2440	10.60	< 10	< 1	< 0.01	< 10	1.97	645
N111097	208	226	< 5	< 0.2	3.82	< 2	170	< 0.5	< 2	0.76	2.5	89	125	4170	13.80	10	< 1	0.01	< 10	3.15	1045
N111098	208	226	< 5	< 0.2	3.78	< 2	10	< 0.5	< 2	0.47	2.0	94	122	4140	>15.00	10	< 1	< 0.01	< 10	3.07	1015
N111099	208	226	< 5	< 0.2	3.66	< 2	30	< 0.5	< 2	0.40	11.0	140	120	3790	14.30	10	1	0.01	< 10	2.82	1335

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CERTIFICATE OF ANALYSIS A9628917

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N111091	208	226	< 1	0.01	53	310	< 2	< 2	15	15	0.36	< 10	< 10	127	< 10	114
N111092	208	226	< 1	0.03	47	290	2	< 2	13	8	0.29	< 10	< 10	148	< 10	270
N111093	208	226	< 1	0.01	39	350	< 2	< 2	17	43	0.31	< 10	< 10	176	< 10	842
N111094	208	226	< 1	< 0.01	36	290	2	< 2	12	< 1	< 0.01	< 10	< 10	68	< 10	>10000
N111095	208	226	< 1	< 0.01	42	370	< 2	< 2	20	9	0.38	< 10	< 10	213	< 10	1975
N111096	208	226	< 1	0.01	42	380	< 2	< 2	27	11	0.29	< 10	< 10	271	< 10	1100
N111097	208	226	< 1	< 0.01	47	370	2	< 2	27	12	0.37	< 10	< 10	243	< 10	1420
N111098	208	226	< 1	< 0.01	48	370	< 2	< 2	26	4	0.27	< 10	< 10	272	< 10	1350
N111099	208	226	< 1	< 0.01	50	340	2	< 2	24	7	0.09	< 10	< 10	255	< 10	2690

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CERTIFICATE OF ANALYSIS A9628915

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
N111078	205	226	< 5	< 0.2	3.10	< 2	300	< 0.5	< 2	2.13	3.5	24	123	732	4.71	10	< 1	0.03	< 10	2.18	630
N111079	205	226	< 5	< 0.2	3.17	< 2	2090	< 0.5	< 2	2.25	3.5	23	98	1640	4.95	< 10	< 1	0.05	< 10	2.18	580
N111080	205	226	< 5	< 0.2	4.14	< 2	310	< 0.5	< 2	1.20	1.0	33	114	1495	6.18	< 10	1	0.20	< 10	3.45	810
N111081	205	226	< 5	< 0.2	4.18	< 2	380	< 0.5	< 2	1.22	1.5	34	135	1530	6.38	< 10	1	0.25	< 10	3.46	815
N111082	205	226	< 5	< 0.2	4.03	< 2	290	< 0.5	< 2	0.87	0.5	37	149	2590	6.78	< 10	< 1	0.25	< 10	3.21	760
N111083	205	226	< 5	< 0.2	4.43	< 2	3150	< 0.5	< 2	1.21	1.5	33	169	1430	6.29	< 10	< 1	0.45	< 10	3.38	785
N111084	205	226	< 5	< 0.2	3.88	< 2	230	< 0.5	< 2	3.08	5.0	25	112	1115	5.51	10	< 1	0.10	< 10	2.16	650
N111085	205	226	< 5	< 0.2	3.80	< 2	140	< 0.5	< 2	2.29	5.0	32	122	1895	6.11	10	< 1	0.12	< 10	2.08	560
N111086	205	226	< 5	< 0.2	3.74	< 2	150	< 0.5	< 2	2.83	6.0	31	135	1880	4.67	< 10	< 1	0.23	< 10	1.90	525
N111087	205	226	< 5	< 0.2	3.31	< 2	90	< 0.5	< 2	2.59	7.0	30	118	2020	4.76	< 10	< 1	0.06	< 10	1.91	545
N111088	205	226	< 5	< 0.2	3.63	< 2	120	< 0.5	< 2	2.18	6.0	35	158	3010	5.26	< 10	< 1	0.13	< 10	2.55	680
N111089	205	226	5	< 0.2	2.89	< 2	2420	< 0.5	< 2	1.12	2.0	26	113	2930	5.01	< 10	< 1	0.09	< 10	2.92	700
N111090	205	226	< 5	< 0.2	2.20	< 2	180	< 0.5	< 2	0.99	0.5	21	85	1990	3.88	< 10	< 1	0.18	< 10	2.26	550
N111100	205	226	< 5	< 0.2	2.61	< 2	70	< 0.5	< 2	0.35	16.0	431	90	4120	>15.00	10	< 1	0.05	< 10	1.76	1810
N111151	205	226	< 5	< 0.2	3.55	< 2	290	< 0.5	< 2	1.90	18.5	120	135	1535	9.67	10	< 1	0.03	< 10	1.86	1295
N111152	205	226	15	< 0.2	3.54	< 2	220	< 0.5	< 2	2.60	20.0	144	91	2910	10.85	10	< 1	< 0.01	< 10	1.90	1590
N111153	205	226	< 5	< 0.2	3.81	< 2	90	< 0.5	< 2	0.88	16.5	172	193	2740	11.55	10	< 1	0.07	< 10	1.74	1495
N111154	205	226	< 5	< 0.2	3.79	< 2	100	< 0.5	< 2	2.76	36.0	185	130	469	12.10	10	< 1	0.02	< 10	1.67	1580
N111155	205	226	< 5	< 0.2	3.85	< 2	110	< 0.5	< 2	2.34	27.0	131	106	1010	10.75	10	< 1	< 0.01	< 10	2.10	1135
N111156	205	226	< 5	< 0.2	3.37	< 2	350	< 0.5	< 2	1.73	21.0	145	137	1170	10.60	10	< 1	0.02	< 10	2.00	1660
N111157	205	226	< 5	< 0.2	2.52	< 2	580	< 0.5	< 2	0.52	49.5	353	65	4530	>15.00	10	< 1	0.03	< 10	1.01	2050
N111158	205	226	< 5	< 0.2	3.23	< 2	110	< 0.5	< 2	1.95	8.0	63	102	799	6.83	10	< 1	< 0.01	< 10	2.58	1005
N111159	205	226	< 5	< 0.2	3.94	< 2	220	< 0.5	< 2	3.00	2.5	49	130	106	6.47	10	< 1	< 0.01	< 10	2.67	1815
N111160	205	226	< 5	< 0.2	3.83	< 2	70	< 0.5	< 2	2.79	< 0.5	38	141	144	6.00	10	< 1	< 0.01	< 10	2.78	2570
N111161	205	226	< 5	< 0.2	4.23	< 2	80	< 0.5	< 2	3.85	< 0.5	31	114	105	5.63	10	< 1	0.07	< 10	2.81	1850
N111162	205	226	< 5	< 0.2	3.57	< 2	90	< 0.5	< 2	2.92	< 0.5	29	127	116	4.97	10	< 1	0.05	< 10	2.19	1005
N111163	205	226	< 5	< 0.2	3.66	< 2	60	< 0.5	< 2	3.21	< 0.5	24	96	81	4.83	10	< 1	< 0.01	< 10	2.09	745
N111164	205	226	< 5	< 0.2	3.62	< 2	100	< 0.5	< 2	4.48	< 0.5	29	171	63	5.40	10	< 1	0.03	< 10	2.43	965
N111165	205	226	< 5	< 0.2	3.78	< 2	180	< 0.5	< 2	4.66	< 0.5	33	132	80	6.40	10	< 1	0.01	< 10	2.34	895
N111166	205	226	< 5	< 0.2	3.35	< 2	240	< 0.5	< 2	4.21	0.5	26	64	76	5.23	10	< 1	< 0.01	< 10	1.91	750
N111167	205	226	30	0.8	3.12	< 2	70	< 0.5	< 2	2.93	7.5	36	115	823	7.02	10	1	< 0.01	< 10	2.52	720
N111168	205	226	15	< 0.2	3.57	< 2	290	< 0.5	< 2	3.45	1.5	41	160	122	6.25	10	< 1	0.08	< 10	2.25	750
N111169	205	226	< 5	0.2	4.61	< 2	180	< 0.5	< 2	2.40	1.5	30	147	267	7.69	10	< 1	0.01	< 10	4.18	1280
N111170	205	226	< 5	< 0.2	3.50	< 2	180	< 0.5	< 2	4.09	< 0.5	30	148	363	5.34	10	< 1	< 0.01	< 10	3.43	1095
N111171	205	226	< 5	< 0.2	3.60	< 2	110	< 0.5	< 2	5.22	< 0.5	23	83	61	5.20	10	< 1	0.03	< 10	2.24	1000

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CERTIFICATE OF ANALYSIS A9628915

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N111078	205	226	< 1	0.01	48	320	2	< 2	12	19	0.35	< 10	< 10	133	< 10	94
N111079	205	226	< 1	0.01	48	330	< 2	< 2	10	64	0.34	< 10	< 10	122	< 10	106
N111080	205	226	< 1	< 0.01	54	180	2	< 2	18	34	0.36	< 10	< 10	99	< 10	138
N111081	205	226	< 1	< 0.01	53	190	2	< 2	25	15	0.34	< 10	< 10	119	< 10	180
N111082	205	226	< 1	< 0.01	52	250	< 2	< 2	26	10	0.29	< 10	< 10	133	< 10	202
N111083	205	226	< 1	< 0.01	56	170	< 2	< 2	27	97	0.31	< 10	< 10	117	< 10	162
N111084	205	226	< 1	0.03	38	200	2	< 2	17	10	0.34	< 10	< 10	148	< 10	124
N111085	205	226	< 1	0.02	45	270	2	< 2	19	11	0.27	< 10	< 10	168	< 10	206
N111086	205	226	< 1	0.07	64	240	< 2	< 2	15	9	0.30	< 10	< 10	143	< 10	102
N111087	205	226	< 1	0.03	64	240	2	< 2	12	8	0.24	< 10	< 10	127	< 10	114
N111088	205	226	< 1	0.01	72	200	< 2	< 2	16	9	0.29	< 10	< 10	130	< 10	150
N111089	205	226	< 1	< 0.01	53	160	< 2	< 2	17	104	0.39	< 10	< 10	97	< 10	158
N111090	205	226	< 1	0.03	40	250	2	< 2	11	18	0.35	< 10	< 10	97	< 10	104
N111100	205	226	< 1	< 0.01	45	320	2	< 2	22	6	0.01	< 10	< 10	136	< 10	6600
N111151	205	226	< 1	< 0.01	40	350	< 2	< 2	32	9	0.25	< 10	< 10	214	< 10	2960
N111152	205	226	< 1	< 0.01	36	360	2	< 2	34	10	0.33	< 10	< 10	225	< 10	3110
N111153	205	226	< 1	< 0.01	52	290	< 2	< 2	31	5	0.05	< 10	< 10	208	< 10	3430
N111154	205	226	< 1	< 0.01	47	320	2	< 2	26	7	0.24	< 10	< 10	179	< 10	4870
N111155	205	226	< 1	< 0.01	43	300	< 2	< 2	29	8	0.24	< 10	< 10	218	< 10	3770
N111156	205	226	< 1	< 0.01	49	320	< 2	< 2	30	7	0.27	< 10	< 10	220	< 10	3790
N111157	205	226	< 1	< 0.01	37	180	< 2	< 2	24	5	0.03	< 10	< 10	137	10	>10000
N111158	205	226	< 1	< 0.01	35	290	< 2	< 2	19	7	0.37	< 10	< 10	180	< 10	1500
N111159	205	226	< 1	< 0.01	41	270	2	< 2	15	16	0.33	< 10	< 10	163	< 10	552
N111160	205	226	< 1	0.03	50	280	< 2	< 2	16	11	0.36	< 10	< 10	148	< 10	202
N111161	205	226	< 1	0.01	47	220	< 2	< 2	12	14	0.27	< 10	< 10	126	< 10	86
N111162	205	226	< 1	0.04	44	320	< 2	< 2	9	11	0.31	< 10	< 10	133	< 10	116
N111163	205	226	< 1	0.03	37	290	< 2	< 2	8	14	0.27	< 10	< 10	126	< 10	76
N111164	205	226	< 1	0.03	45	290	< 2	< 2	25	25	0.21	< 10	< 10	187	< 10	62
N111165	205	226	< 1	< 0.01	49	320	< 2	< 2	30	38	0.29	< 10	< 10	203	< 10	92
N111166	205	226	< 1	< 0.01	34	330	2	< 2	17	31	0.27	< 10	< 10	167	< 10	176
N111167	205	226	< 1	0.01	50	340	10	< 2	19	52	0.26	< 10	< 10	189	< 10	1875
N111168	205	226	< 1	0.02	55	320	4	< 2	31	43	< 0.01	< 10	< 10	201	< 10	600
N111169	205	226	< 1	< 0.01	42	320	2	< 2	19	17	0.40	< 10	< 10	197	< 10	496
N111170	205	226	< 1	< 0.01	44	240	2	< 2	18	210	0.31	< 10	< 10	152	< 10	170
N111171	205	226	< 1	0.01	35	290	< 2	< 2	17	55	0.33	< 10	< 10	174	< 10	64

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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VANCOUVER, BC
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* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9628881

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
BB06001	201	202	< 0.2	1.98	10	400	< 0.5	< 2	0.43	< 0.5	13	73	25	3.78	< 10	< 1	0.03	< 10	0.71	475	1
BB06002	201	202	< 0.2	2.63	14	450	< 0.5	< 2	0.50	< 0.5	30	150	32	4.54	< 10	< 1	0.03	< 10	1.37	855	< 1
BB06003	201	202	< 0.2	2.75	4	400	< 0.5	< 2	1.33	< 0.5	23	195	85	4.14	< 10	< 1	0.04	10	2.26	595	< 1
BB06004	201	202	< 0.2	2.05	6	340	< 0.5	< 2	0.63	< 0.5	33	361	26	4.09	< 10	< 1	0.05	< 10	4.73	625	< 1
BB06005	201	202	< 0.2	1.93	8	360	< 0.5	< 2	0.39	< 0.5	17	83	30	5.04	< 10	< 1	0.05	10	0.93	790	1
BB06006	201	202	< 0.2	1.93	10	690	< 0.5	< 2	0.57	< 0.5	13	114	30	3.05	< 10	< 1	0.05	10	1.93	515	< 1
BB06101	201	202	0.2	1.55	12	550	< 0.5	< 2	1.57	1.5	19	28	1115	2.48	< 10	< 1	0.15	10	0.66	475	1
BB06102	201	202	< 0.2	0.61	< 2	190	< 0.5	< 2	0.13	< 0.5	4	7	9	1.19	< 10	< 1	0.03	< 10	0.14	140	< 1
BB06103	201	202	< 0.2	1.78	6	300	< 0.5	< 2	0.68	< 0.5	23	12	49	3.79	< 10	< 1	0.12	< 10	0.48	1485	< 1
BB06104	201	202	< 0.2	1.22	< 2	180	< 0.5	< 2	0.50	< 0.5	8	4	24	1.68	< 10	< 1	0.04	< 10	0.21	850	< 1
BB06105	201	202	0.2	0.97	< 2	180	< 0.5	< 2	0.16	0.5	11	13	16	1.78	< 10	< 1	0.07	< 10	0.17	540	< 1
BB06106	201	202	0.2	0.82	< 2	160	< 0.5	< 2	2.30	< 0.5	7	9	201	1.08	< 10	< 1	0.05	< 10	0.42	600	< 1
BB06107	201	202	< 0.2	2.52	4	300	< 0.5	< 2	0.54	0.5	18	36	50	3.95	< 10	< 1	0.10	10	0.65	995	1
BB06108	201	202	0.2	1.43	6	290	< 0.5	< 2	1.29	< 0.5	12	25	273	2.65	< 10	< 1	0.08	< 10	0.44	655	1
BB06109	201	202	< 0.2	1.49	8	460	< 0.5	< 2	1.33	1.0	22	27	866	2.41	< 10	< 1	0.12	10	0.62	475	1
BB06110	201	202	0.2	0.46	< 2	250	< 0.5	< 2	2.22	< 0.5	2	6	54	0.51	< 10	< 1	0.04	< 10	0.21	125	1
BB06111	201	202	0.2	0.37	< 2	420	< 0.5	< 2	3.44	< 0.5	1	4	29	0.31	< 10	< 1	0.03	< 10	0.19	235	1
BB06112	201	202	0.4	0.36	< 2	550	< 0.5	< 2	2.94	1.5	3	4	21	0.56	< 10	< 1	0.11	< 10	0.10	1275	1
BB06113	201	202	0.2	0.18	< 2	130	< 0.5	< 2	0.67	< 0.5	1	1	4	0.29	< 10	< 1	0.04	< 10	0.06	185	< 1
BB06114	201	202	< 0.2	0.31	< 2	130	< 0.5	< 2	0.19	< 0.5	1	4	9	0.48	< 10	< 1	0.07	< 10	0.07	80	< 1
BB06115	201	202	< 0.2	0.25	< 2	70	< 0.5	< 2	0.21	< 0.5	2	4	4	0.42	< 10	< 1	0.05	< 10	0.07	250	< 1
BB06116	201	202	< 0.2	0.20	< 2	170	< 0.5	< 2	0.21	< 0.5	1	2	8	0.37	< 10	< 1	0.05	< 10	0.05	215	< 1
BB06117	201	202	< 0.2	1.75	8	370	< 0.5	< 2	0.45	< 0.5	14	33	18	3.38	< 10	< 1	0.11	10	0.58	320	1
BB06118	201	202	0.2	0.98	4	420	< 0.5	< 2	0.33	< 0.5	8	21	25	1.84	< 10	< 1	0.10	10	0.31	620	1
BB06119	201	202	< 0.2	1.62	6	530	< 0.5	< 2	1.56	0.5	15	30	878	2.62	< 10	< 1	0.14	10	0.71	545	1
BB06120	201	202	< 0.2	1.48	8	350	< 0.5	< 2	0.59	< 0.5	10	25	35	2.66	< 10	< 1	0.08	< 10	0.45	265	1
BB06121	201	202	0.2	2.05	6	190	< 0.5	< 2	0.88	< 0.5	23	38	49	3.52	< 10	< 1	0.08	< 10	0.68	1025	1
BB06122	201	202	0.2	0.74	< 2	280	< 0.5	< 2	0.12	< 0.5	6	11	9	1.07	< 10	< 1	0.06	< 10	0.13	695	< 1
BB06123	201	202	< 0.2	2.04	4	280	< 0.5	< 2	0.35	< 0.5	12	39	70	3.59	< 10	< 1	0.05	10	0.49	275	< 1
BB06124	201	202	< 0.2	2.28	8	240	< 0.5	< 2	0.51	< 0.5	20	34	66	4.54	< 10	< 1	0.08	10	0.65	555	1
BB06125	201	202	0.2	1.67	8	380	< 0.5	< 2	1.17	< 0.5	11	32	70	2.65	< 10	< 1	0.08	< 10	0.56	660	1
BB06126	201	202	< 0.2	2.04	2	340	< 0.5	< 2	0.58	< 0.5	13	38	47	3.23	< 10	< 1	0.06	10	0.65	430	1
BB06127	201	202	0.2	1.48	6	370	< 0.5	< 2	2.09	0.5	9	28	119	2.34	< 10	< 1	0.07	< 10	0.69	370	< 1
BB06128	201	202	< 0.2	1.20	2	230	< 0.5	< 2	0.81	0.5	8	22	15	2.21	< 10	< 1	0.09	< 10	0.39	320	1
BB06129	201	202	0.2	0.50	< 2	240	< 0.5	< 2	0.56	< 0.5	4	5	9	0.61	< 10	< 1	0.03	< 10	0.08	440	1
BB06130	201	202	< 0.2	1.20	< 2	150	< 0.5	< 2	0.52	0.5	5	24	7	2.34	< 10	< 1	0.05	10	0.34	135	1
BB06131	201	202	< 0.2	2.12	10	440	< 0.5	< 2	0.36	< 0.5	21	41	20	3.66	< 10	< 1	0.14	10	0.62	1365	1
BB06132	201	202	< 0.2	1.46	6	310	< 0.5	< 2	0.45	< 0.5	7	34	13	2.09	< 10	< 1	0.10	10	0.63	210	1
BB06133	201	202	0.2	1.65	8	450	< 0.5	< 2	1.29	0.5	10	32	25	2.43	< 10	< 1	0.13	10	0.68	405	1
BB06134	201	202	0.2	1.06	2	430	< 0.5	< 2	1.75	< 0.5	5	15	62	1.23	< 10	< 1	0.07	< 10	0.34	415	1

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* INTERFERENCE: HIGH Cu on Bi and P

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SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB06001	201	202	< 0.01	34	440	8	< 2	4	19	0.13	< 10	< 10	107	< 10	88
BB06002	201	202	< 0.01	98	330	10	< 2	6	15	0.14	< 10	< 10	117	< 10	124
BB06003	201	202	< 0.01	176	580	4	2	12	17	0.14	< 10	< 10	113	< 10	92
BB06004	201	202	< 0.01	306	370	6	< 2	8	13	0.13	< 10	< 10	92	< 10	60
BB06005	201	202	< 0.01	43	600	6	< 2	5	18	0.16	< 10	< 10	140	< 10	60
BB06006	201	202	< 0.01	102	400	8	< 2	5	26	0.09	< 10	< 10	75	< 10	52
BB06101	201	202	0.01	30	1110	10	< 2	6	49	0.05	< 10	< 10	59	< 10	216
BB06102	201	202	0.06	4	110	2	< 2	< 1	8	0.04	< 10	< 10	45	< 10	30
BB06103	201	202	0.05	12	510	2	< 2	11	25	0.11	< 10	< 10	102	< 10	120
BB06104	201	202	0.08	5	530	< 2	< 2	6	18	0.04	< 10	< 10	47	< 10	46
BB06105	201	202	0.05	8	330	6	< 2	1	9	0.04	< 10	< 10	47	< 10	104
BB06106	201	202	0.06	8	1030	< 2	< 2	8	40	0.01	< 10	< 10	28	< 10	44
BB06107	201	202	0.01	26	330	14	< 2	4	22	0.05	< 10	< 10	109	< 10	140
BB06108	201	202	0.04	16	490	4	< 2	9	32	0.03	< 10	< 10	82	< 10	102
BB06109	201	202	0.01	25	1000	10	2	6	42	0.03	< 10	< 10	54	< 10	212
BB06110	201	202	0.03	9	730	< 2	< 2	1	57	< 0.01	< 10	< 10	12	< 10	24
BB06111	201	202	0.01	6	680	< 2	< 2	< 1	79	< 0.01	< 10	< 10	8	< 10	10
BB06112	201	202	0.05	6	1300	< 2	< 2	1	47	0.01	< 10	< 10	13	< 10	244
BB06113	201	202	0.08	1	300	< 2	< 2	< 1	17	0.01	< 10	< 10	10	< 10	6
BB06114	201	202	0.08	2	130	< 2	< 2	< 1	9	0.02	< 10	< 10	14	< 10	8
BB06115	201	202	0.08	2	280	< 2	< 2	< 1	10	0.01	< 10	< 10	14	< 10	12
BB06116	201	202	0.09	3	250	< 2	< 2	< 1	9	0.01	< 10	< 10	12	< 10	40
BB06117	201	202	0.02	21	500	8	< 2	3	19	0.08	< 10	< 10	103	< 10	84
BB06118	201	202	0.04	14	450	10	< 2	2	15	0.04	< 10	< 10	49	< 10	90
BB06119	201	202	0.01	28	1010	10	2	6	50	0.07	< 10	< 10	72	< 10	146
BB06120	201	202	0.01	17	210	8	< 2	3	18	0.06	< 10	< 10	82	< 10	58
BB06121	201	202	0.03	24	330	2	2	8	20	0.07	< 10	< 10	108	< 10	66
BB06122	201	202	0.04	6	220	2	< 2	1	6	0.03	< 10	< 10	31	< 10	46
BB06123	201	202	< 0.01	16	680	8	< 2	3	10	0.10	< 10	< 10	118	< 10	102
BB06124	201	202	< 0.01	23	420	8	< 2	4	17	0.11	< 10	< 10	127	< 10	174
BB06125	201	202	0.02	19	250	6	< 2	5	22	0.08	< 10	< 10	83	< 10	64
BB06126	201	202	0.01	23	290	8	2	4	14	0.10	< 10	< 10	97	< 10	92
BB06127	201	202	0.03	19	710	2	< 2	7	38	0.09	< 10	< 10	79	< 10	78
BB06128	201	202	0.02	13	470	8	< 2	2	16	0.05	< 10	< 10	62	< 10	104
BB06129	201	202	0.07	5	650	< 2	< 2	< 1	22	0.01	< 10	< 10	16	< 10	12
BB06130	201	202	< 0.01	15	450	8	< 2	1	15	0.05	< 10	< 10	81	< 10	64
BB06131	201	202	< 0.01	25	1100	12	< 2	4	15	0.04	< 10	< 10	98	< 10	140
BB06132	201	202	< 0.01	19	450	8	< 2	3	18	0.06	< 10	< 10	74	< 10	112
BB06133	201	202	0.02	29	490	10	< 2	5	40	0.04	< 10	< 10	58	< 10	124
BB06134	201	202	0.05	18	560	4	< 2	3	39	0.02	< 10	< 10	36	< 10	46

CERTIFICATION:

* INTERFERENCE: HIGH Cu on Bi and P

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BB06135	201	202	1.0	1.34	< 2	560	< 0.5	< 2	1.17	1.0	7	23	40	1.37	< 10	< 1	0.06	< 10	0.52	340	1
BB06136	201	202	< 0.2	1.08	< 2	360	< 0.5	< 2	0.31	< 0.5	6	14	18	1.40	< 10	< 1	0.07	< 10	0.22	395	1
BB06137	201	202	< 0.2	1.57	2	380	< 0.5	< 2	0.33	< 0.5	5	21	14	2.12	< 10	< 1	0.07	10	0.34	190	< 1
BB06138	201	202	< 0.2	1.46	4	410	< 0.5	< 2	0.25	< 0.5	8	23	23	2.22	< 10	< 1	0.10	10	0.42	180	1
BB01401	201	202	0.2	1.65	10	610	< 0.5	< 2	1.31	1.0	38	29	2670	2.63	< 10	< 1	0.14	10	0.56	410	< 1
BB01402	201	202	0.6	2.23	8	530	< 0.5	< 2	1.19	2.0	97	38	6720	4.52	< 10	< 1	0.11	10	0.59	590	2
BB01403	201	202	0.8	2.23	< 2	580	< 0.5	< 2	1.39	1.5	110	33	4330	3.27	< 10	< 1	0.12	< 10	0.51	690	2
BB01404	201	202	1.0	1.97	< 2	990	< 0.5	Intf*	1.18	2.5	292	30	>10000	2.76	< 10	< 1	0.11	< 10	0.48	1525	2
BB01405	201	202	< 0.2	1.52	2	280	< 0.5	< 2	0.36	< 0.5	16	26	61	3.61	< 10	< 1	0.11	< 10	0.72	1915	< 1
BB01406	201	202	< 0.2	0.29	< 2	60	< 0.5	< 2	0.74	< 0.5	< 1	2	12	0.26	< 10	< 1	0.03	< 10	0.07	45	< 1
BB01407	201	202	0.2	0.52	< 2	140	< 0.5	< 2	1.42	< 0.5	1	4	35	0.54	< 10	< 1	0.03	< 10	0.10	85	< 1
BB01408	201	202	0.2	1.58	6	330	< 0.5	< 2	1.53	< 0.5	10	24	56	2.59	< 10	< 1	0.07	10	0.56	290	< 1
BB01409	201	202	< 0.2	0.38	< 2	80	< 0.5	< 2	0.16	< 0.5	2	5	7	0.52	< 10	< 1	0.05	< 10	0.09	115	< 1
BB01410	201	202	0.6	1.74	8	480	0.5	< 2	1.14	4.0	14	39	74	2.95	< 10	< 1	0.13	< 10	0.43	1155	1
BB01411	201	202	< 0.2	1.15	6	240	< 0.5	< 2	0.11	< 0.5	5	21	19	1.93	< 10	< 1	0.11	20	0.27	145	1
BB01412	201	202	< 0.2	1.15	2	340	< 0.5	< 2	0.47	< 0.5	7	23	14	1.83	< 10	< 1	0.11	10	0.44	450	< 1
BB05229	201	202	0.2	2.15	2	440	0.5	< 2	0.53	< 0.5	11	37	70	2.92	< 10	< 1	0.11	10	0.52	730	1
BB05230	201	202	< 0.2	2.40	< 2	570	0.5	< 2	0.83	0.5	12	43	41	3.49	< 10	< 1	0.12	10	0.69	490	1
BB05231	201	202	< 0.2	2.16	< 2	460	< 0.5	< 2	0.59	0.5	19	45	43	4.01	< 10	< 1	0.09	10	0.91	885	1
BB05232	201	202	< 0.2	2.24	12	410	< 0.5	< 2	0.25	< 0.5	13	48	31	4.06	< 10	< 1	0.07	10	0.76	445	1
BB05233	201	202	< 0.2	1.77	8	460	< 0.5	< 2	0.83	< 0.5	11	40	29	3.09	< 10	< 1	0.07	10	0.77	430	1
BB05234	201	202	< 0.2	3.06	2	520	< 0.5	< 2	0.44	< 0.5	19	66	43	5.63	< 10	< 1	0.08	10	1.01	960	< 1
BB05235	201	202	< 0.2	2.11	6	640	< 0.5	< 2	0.73	< 0.5	10	37	28	2.69	< 10	< 1	0.07	10	0.71	535	< 1
BB05236	201	202	< 0.2	1.71	6	410	< 0.5	< 2	0.35	< 0.5	11	36	33	2.77	< 10	< 1	0.10	10	0.59	520	1
BB08180	201	202	< 0.2	1.69	12	420	< 0.5	< 2	0.50	< 0.5	10	32	205	2.78	< 10	< 1	0.12	10	0.66	320	1
BB08181	201	202	0.6	1.87	12	480	< 0.5	< 2	1.01	0.5	19	44	640	3.68	< 10	< 1	0.08	10	0.66	630	3
BB08182	201	202	< 0.2	2.34	10	650	< 0.5	< 2	0.46	< 0.5	22	39	65	4.14	< 10	< 1	0.05	10	1.06	690	1
BB08183	201	202	< 0.2	3.06	4	680	< 0.5	< 2	0.92	0.5	39	49	93	7.38	10	< 1	0.08	< 10	1.07	1800	2
BB08184	201	202	< 0.2	2.39	8	330	< 0.5	< 2	0.27	< 0.5	29	33	27	5.86	< 10	< 1	0.02	< 10	0.59	1480	< 1
BB08185	201	202	< 0.2	2.59	6	360	< 0.5	< 2	0.11	< 0.5	8	40	58	3.40	< 10	< 1	0.05	10	0.49	375	1
BB08186	201	202	< 0.2	1.36	8	620	< 0.5	< 2	0.15	0.5	13	18	65	3.54	< 10	< 1	0.10	10	0.22	1415	1
BB08187	201	202	< 0.2	0.88	6	440	< 0.5	< 2	0.13	< 0.5	7	17	48	2.16	< 10	< 1	0.08	20	0.23	310	1
BB08188	201	202	0.2	1.73	6	780	< 0.5	< 2	0.67	1.5	26	37	1100	4.96	< 10	< 1	0.07	10	0.38	575	2
BB08189	201	202	0.4	1.88	12	1510	0.5	< 2	1.01	1.5	30	35	770	2.82	< 10	< 1	0.21	10	0.71	450	2
BB08190	201	202	< 0.2	1.78	6	470	< 0.5	< 2	0.35	< 0.5	8	32	26	2.62	< 10	< 1	0.08	10	0.67	245	1
BB08191	201	202	< 0.2	2.53	20	300	< 0.5	< 2	0.20	< 0.5	10	43	35	3.49	< 10	< 1	0.06	10	0.60	275	1
BB08192	201	202	< 0.2	1.71	24	220	< 0.5	< 2	0.24	< 0.5	12	35	30	3.35	< 10	< 1	0.09	10	0.56	460	< 1
BB08193	201	202	< 0.2	1.45	14	570	< 0.5	< 2	0.52	< 0.5	9	32	277	2.54	< 10	< 1	0.07	10	0.67	345	1
BB08194	201	202	0.6	2.04	8	980	0.5	< 2	0.60	1.0	15	43	166	2.84	< 10	< 1	0.15	20	0.60	1260	2
BB08195	201	202	< 0.2	2.56	8	370	< 0.5	< 2	0.58	< 0.5	19	47	61	4.70	< 10	< 1	0.08	< 10	0.99	870	1

CERTIFICATION: HartBichler

* INTERFERENCE: HIGH Cu on Bi and P

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : ICE
Comments:

Page Number : 2-B
Total Pages : 5
Certificate Date: 29-AUG-96
Invoice No. : I9628881
P.O. Number :
Account : MPO

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9628881

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB06135	201	202	0.03	19	450	6	< 2	3	39	0.03	< 10	< 10	36	< 10	146
BB06136	201	202	0.04	12	350	6	< 2	1	18	0.03	< 10	< 10	42	< 10	66
BB06137	201	202	0.01	13	460	6	< 2	1	17	0.04	< 10	< 10	73	< 10	96
BB06138	201	202	0.02	20	180	10	< 2	3	14	0.03	< 10	< 10	59	< 10	56
BB01401	201	202	0.01	28	810	8	2	8	42	0.03	< 10	< 10	55	< 10	216
BB01402	201	202	0.01	29	950	6	< 2	14	34	0.05	< 10	< 10	79	< 10	272
BB01403	201	202	0.02	26	1020	8	< 2	15	36	0.02	< 10	< 10	60	< 10	240
BB01404	201	202	0.03	22	Intf*	2	< 2	10	46	0.03	< 10	< 10	53	< 10	78
BB01405	201	202	0.02	17	400	4	< 2	7	11	0.07	< 10	< 10	104	< 10	60
BB01406	201	202	0.11	1	380	< 2	< 2	1	11	0.01	< 10	< 10	9	< 10	4
BB01407	201	202	0.07	5	760	< 2	< 2	< 1	21	0.01	< 10	< 10	12	< 10	12
BB01408	201	202	0.02	26	760	8	2	6	27	0.03	< 10	< 10	70	< 10	78
BB01409	201	202	0.08	3	300	2	< 2	< 1	8	0.01	< 10	< 10	18	< 10	14
BB01410	201	202	0.01	35	800	14	< 2	6	32	0.03	< 10	< 10	68	< 10	372
BB01411	201	202	0.01	17	270	10	< 2	1	12	0.02	< 10	< 10	42	< 10	86
BB01412	201	202	0.03	16	190	2	< 2	3	14	0.02	< 10	< 10	51	< 10	64
BB05229	201	202	0.03	28	460	12	< 2	9	18	0.03	< 10	< 10	80	< 10	78
BB05230	201	202	< 0.01	25	290	12	2	6	19	0.05	< 10	< 10	100	< 10	82
BB05231	201	202	< 0.01	26	370	8	< 2	6	15	0.11	< 10	< 10	127	< 10	234
BB05232	201	202	< 0.01	22	340	8	< 2	5	11	0.08	< 10	< 10	112	< 10	72
BB05233	201	202	< 0.01	23	320	10	< 2	6	17	0.08	< 10	< 10	90	< 10	58
BB05234	201	202	< 0.01	30	290	10	< 2	8	13	0.15	< 10	< 10	163	< 10	132
BB05235	201	202	0.01	24	240	10	< 2	6	14	0.05	< 10	< 10	74	< 10	70
BB05236	201	202	0.01	28	350	10	< 2	5	13	0.04	< 10	< 10	66	< 10	82
BB08180	201	202	< 0.01	28	580	10	< 2	4	24	0.06	< 10	< 10	68	< 10	84
BB08181	201	202	0.02	28	570	8	< 2	11	29	0.06	< 10	< 10	97	< 10	142
BB08182	201	202	< 0.01	29	160	10	< 2	6	14	0.07	< 10	< 10	98	< 10	78
BB08183	201	202	< 0.01	32	860	8	< 2	15	23	0.16	< 10	< 10	179	< 10	172
BB08184	201	202	< 0.01	18	470	6	< 2	5	8	0.11	< 10	< 10	158	< 10	122
BB08185	201	202	< 0.01	22	410	12	2	4	6	0.05	< 10	< 10	94	< 10	112
BB08186	201	202	0.01	31	1280	8	< 2	2	12	0.01	< 10	< 10	42	< 10	202
BB08187	201	202	< 0.01	23	390	10	< 2	1	12	0.01	< 10	< 10	31	< 10	108
BB08188	201	202	0.01	21	630	16	< 2	5	23	0.06	< 10	< 10	109	< 10	342
BB08189	201	202	0.01	35	810	14	< 2	7	46	0.04	< 10	< 10	70	< 10	216
BB08190	201	202	< 0.01	23	390	10	< 2	3	16	0.06	< 10	< 10	69	< 10	70
BB08191	201	202	< 0.01	22	260	18	< 2	4	10	0.06	< 10	< 10	99	< 10	84
BB08192	201	202	< 0.01	23	430	14	< 2	4	9	0.07	< 10	< 10	81	< 10	74
BB08193	201	202	0.01	33	440	10	< 2	6	21	0.06	< 10	< 10	55	< 10	92
BB08194	201	202	0.01	43	730	16	< 2	10	26	0.03	< 10	< 10	79	< 10	226
BB08195	201	202	< 0.01	32	420	8	< 2	9	14	0.17	< 10	< 10	135	< 10	90

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CERTIFICATE OF ANALYSIS A9628881

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
BB08196	201	202	< 0.2	2.12	12	430	< 0.5	< 2	0.32	< 0.5	9	38	21	3.46	< 10	< 1	0.05	10	0.58	315	1
BB08197	201	202	< 0.2	2.06	2	320	< 0.5	< 2	0.33	< 0.5	11	32	23	3.82	< 10	< 1	0.06	10	0.59	380	< 1
BB08198	201	202	< 0.2	1.38	2	440	< 0.5	< 2	0.34	< 0.5	11	29	25	1.89	< 10	< 1	0.05	10	0.61	790	< 1
BB08084	201	202	< 0.2	1.73	6	430	< 0.5	< 2	0.10	< 0.5	7	34	18	2.45	< 10	< 1	0.06	10	0.55	235	1
BB08085	201	202	< 0.2	3.22	14	640	0.5	< 2	0.08	0.5	10	53	30	3.59	< 10	< 1	0.10	10	0.66	230	3
BB08086	201	202	< 0.2	2.44	8	610	0.5	< 2	0.11	< 0.5	13	51	68	3.48	< 10	< 1	0.07	< 10	0.72	455	< 1
BB08087	201	202	< 0.2	2.01	12	540	< 0.5	< 2	0.08	< 0.5	9	36	35	3.05	< 10	< 1	0.06	10	0.46	355	1
BB08088	201	202	< 0.2	2.60	14	380	0.5	< 2	0.27	< 0.5	16	25	31	5.88	10	< 1	0.03	< 10	0.65	720	1
BB08089	201	202	< 0.2	2.78	16	1120	0.5	< 2	0.21	< 0.5	11	35	50	4.07	< 10	< 1	0.07	< 10	0.77	320	2
BB08090	201	202	< 0.2	4.97	4	1380	< 0.5	< 2	0.58	0.5	33	134	103	9.01	10	< 1	0.01	< 10	2.78	1180	< 1
BB08091	201	202	< 0.2	3.81	4	300	< 0.5	< 2	0.51	< 0.5	32	159	84	6.99	10	< 1	0.01	< 10	1.38	950	< 1
BB08092	201	202	< 0.2	3.62	6	410	< 0.5	< 2	0.41	< 0.5	19	89	53	5.91	10	< 1	0.03	< 10	1.60	685	< 1
BB08093	201	202	< 0.2	2.53	20	410	< 0.5	< 2	0.31	< 0.5	11	57	37	3.54	< 10	< 1	0.05	10	0.80	330	< 1
BB08094	201	202	< 0.2	2.58	12	530	0.5	< 2	0.14	< 0.5	9	46	28	3.37	< 10	< 1	0.10	10	0.63	410	< 1
BB09501	201	202	< 0.2	1.27	12	290	0.5	< 2	0.09	< 0.5	7	21	17	2.32	< 10	< 1	0.08	30	0.22	990	< 1
BB09502	201	202	< 0.2	1.14	16	190	< 0.5	< 2	0.06	< 0.5	5	23	16	2.24	< 10	< 1	0.04	10	0.29	275	1
BB09503	201	202	< 0.2	1.39	10	400	< 0.5	< 2	0.06	< 0.5	7	34	30	2.56	< 10	< 1	0.05	10	0.41	435	1
BB09504	201	202	< 0.2	1.09	4	220	< 0.5	< 2	0.04	< 0.5	7	27	30	2.41	< 10	< 1	0.05	10	0.31	560	1
BB09505	201	202	< 0.2	1.64	8	350	< 0.5	< 2	0.09	< 0.5	6	37	30	2.48	< 10	< 1	0.05	10	0.44	355	1
BB09506	201	202	< 0.2	1.13	2	530	< 0.5	< 2	0.06	< 0.5	17	36	56	2.58	< 10	< 1	0.06	10	0.34	2870	1
BB09507	201	202	< 0.2	1.35	8	870	< 0.5	< 2	0.11	< 0.5	6	37	49	2.71	< 10	< 1	0.08	10	0.25	830	< 1
BB09508	201	202	< 0.2	2.85	12	1860	0.5	< 2	0.21	< 0.5	7	87	96	4.18	< 10	< 1	0.11	30	0.44	455	1
BB09509	201	202	< 0.2	1.42	10	330	< 0.5	< 2	0.11	< 0.5	9	76	25	2.79	< 10	< 1	0.06	10	0.62	345	< 1
BB09510	201	202	< 0.2	2.89	6	520	< 0.5	< 2	0.51	< 0.5	12	30	83	3.93	< 10	< 1	0.03	30	1.45	1015	1
BB09511	201	202	< 0.2	2.29	< 2	530	< 0.5	< 2	0.34	< 0.5	13	26	119	2.70	< 10	< 1	0.05	20	1.13	2180	< 1
BB09512	201	202	< 0.2	1.22	8	520	< 0.5	< 2	0.22	< 0.5	7	51	36	2.11	< 10	< 1	0.07	30	0.41	175	1
BB09513	201	202	< 0.2	1.67	10	740	< 0.5	< 2	0.41	< 0.5	17	238	26	3.42	< 10	< 1	0.05	10	1.85	425	1
BB09514	201	202	< 0.2	1.51	12	350	< 0.5	< 2	0.49	< 0.5	23	267	30	2.93	< 10	< 1	0.03	10	2.64	615	< 1
BB09515	201	202	< 0.2	2.14	6	620	< 0.5	< 2	1.11	< 0.5	19	153	41	3.03	< 10	< 1	0.03	< 10	1.79	485	1
BB09516	201	202	< 0.2	1.99	10	630	< 0.5	< 2	0.82	< 0.5	31	236	52	3.38	< 10	< 1	0.05	< 10	1.78	665	< 1
BB09517	201	202	< 0.2	2.28	< 2	450	< 0.5	< 2	0.68	< 0.5	25	234	42	3.13	< 10	< 1	0.03	< 10	2.16	555	< 1
BB09518	201	202	< 0.2	2.11	2	390	< 0.5	< 2	0.68	< 0.5	40	484	60	3.97	< 10	< 1	0.05	< 10	3.97	615	< 1
BB09519	201	202	< 0.2	2.11	2	500	< 0.5	< 2	1.21	< 0.5	30	229	52	2.97	< 10	< 1	0.05	< 10	2.49	495	< 1
BB09520	201	202	< 0.2	1.84	2	180	< 0.5	< 2	0.30	< 0.5	66	881	37	4.38	< 10	< 1	0.04	< 10	9.72	775	< 1
BB09521	201	202	< 0.2	1.04	< 2	140	< 0.5	< 2	0.36	< 0.5	64	1080	26	4.05	< 10	< 1	0.03	< 10	11.35	580	< 1
BB09522	201	202	< 0.2	1.80	6	210	< 0.5	< 2	0.86	< 0.5	24	275	12	3.21	< 10	< 1	0.02	< 10	2.57	465	< 1
BB09523	201	202	< 0.2	1.68	4	190	< 0.5	< 2	0.74	< 0.5	23	344	16	3.26	< 10	< 1	0.03	< 10	3.41	495	< 1
BB09524	201	202	< 0.2	1.83	2	360	< 0.5	< 2	0.45	< 0.5	36	460	18	3.77	< 10	< 1	0.04	10	4.29	525	< 1
BB09525	201	202	< 0.2	1.36	10	190	< 0.5	< 2	0.38	< 0.5	55	648	20	3.63	< 10	< 1	0.06	< 10	7.00	765	< 1
BB09526	201	202	< 0.2	1.14	4	180	< 0.5	< 2	0.29	< 0.5	57	618	21	3.72	< 10	< 1	0.05	10	6.27	645	< 1

CERTIFICATION: Hart Bichler

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BB08196	201	202	< 0.01	23	240	12	< 2	3	9	0.07	< 10	< 10	90	< 10	82
BB08197	201	202	< 0.01	18	210	12	< 2	4	8	0.06	< 10	< 10	101	< 10	62
BB08198	201	202	< 0.01	19	290	8	< 2	5	10	0.04	< 10	< 10	45	< 10	114
BB08084	201	202	0.01	23	270	10	< 2	3	10	0.02	< 10	< 10	63	< 10	78
BB08085	201	202	< 0.01	34	340	16	2	4	11	0.01	< 10	< 10	100	< 10	116
BB08086	201	202	< 0.01	34	170	10	< 2	5	8	0.04	< 10	< 10	98	< 10	360
BB08087	201	202	< 0.01	25	170	10	2	5	7	0.02	< 10	< 10	88	< 10	88
BB08088	201	202	< 0.01	20	430	10	< 2	8	14	0.30	< 10	< 10	201	< 10	106
BB08089	201	202	< 0.01	25	330	10	< 2	6	27	0.04	< 10	< 10	111	< 10	86
BB08090	201	202	< 0.01	50	310	2	< 2	16	23	0.28	< 10	< 10	293	< 10	118
BB08091	201	202	0.01	49	150	2	< 2	36	35	< 0.01	< 10	< 10	190	< 10	54
BB08092	201	202	< 0.01	38	210	8	< 2	8	13	0.17	< 10	< 10	178	< 10	94
BB08093	201	202	< 0.01	27	210	10	< 2	5	15	0.09	< 10	< 10	106	< 10	72
BB08094	201	202	< 0.01	25	210	12	2	5	12	0.05	< 10	< 10	107	< 10	90
BB09501	201	202	0.01	15	540	40	< 2	1	9	0.01	< 10	< 10	27	< 10	70
BB09502	201	202	< 0.01	16	280	18	< 2	1	7	0.01	< 10	< 10	32	< 10	56
BB09503	201	202	< 0.01	28	350	8	< 2	1	6	0.01	< 10	< 10	30	< 10	60
BB09504	201	202	< 0.01	24	410	8	< 2	1	7	0.01	< 10	< 10	33	< 10	56
BB09505	201	202	< 0.01	25	350	10	< 2	1	8	0.01	< 10	< 10	39	< 10	52
BB09506	201	202	0.01	25	930	10	< 2	< 1	7	0.01	< 10	< 10	40	< 10	72
BB09507	201	202	0.01	23	860	12	< 2	1	13	< 0.01	< 10	< 10	31	< 10	104
BB09508	201	202	0.01	45	1990	14	< 2	3	23	< 0.01	< 10	< 10	73	< 10	122
BB09509	201	202	< 0.01	40	470	12	< 2	1	9	0.01	< 10	< 10	48	< 10	72
BB09510	201	202	< 0.01	42	1060	12	< 2	5	33	0.04	< 10	< 10	73	< 10	82
BB09511	201	202	< 0.01	36	770	16	< 2	2	39	0.06	< 10	< 10	23	< 10	72
BB09512	201	202	< 0.01	35	590	12	< 2	1	35	< 0.01	< 10	< 10	29	< 10	64
BB09513	201	202	< 0.01	135	370	10	< 2	4	15	0.06	< 10	< 10	74	< 10	80
BB09514	201	202	< 0.01	162	570	6	< 2	3	16	0.06	< 10	< 10	51	< 10	62
BB09515	201	202	0.01	90	330	6	< 2	6	147	0.14	< 10	< 10	75	< 10	62
BB09516	201	202	< 0.01	291	720	10	< 2	8	24	0.07	< 10	< 10	78	< 10	86
BB09517	201	202	< 0.01	156	100	8	< 2	5	14	0.16	< 10	< 10	76	< 10	58
BB09518	201	202	< 0.01	683	800	6	< 2	9	22	0.05	< 10	< 10	79	< 10	78
BB09519	201	202	< 0.01	609	790	8	< 2	6	37	0.05	< 10	< 10	64	< 10	66
BB09520	201	202	< 0.01	929	380	2	< 2	7	11	0.03	< 10	< 10	66	< 10	100
BB09521	201	202	< 0.01	1505	360	< 2	< 2	7	7	0.04	< 10	< 10	30	< 10	48
BB09522	201	202	< 0.01	152	140	6	< 2	5	14	0.19	< 10	< 10	84	< 10	54
BB09523	201	202	< 0.01	211	280	6	< 2	6	11	0.14	< 10	< 10	75	< 10	82
BB09524	201	202	< 0.01	283	220	6	< 2	6	11	0.09	< 10	< 10	69	< 10	62
BB09525	201	202	0.01	581	450	8	< 2	6	14	0.04	< 10	< 10	50	< 10	64
BB09526	201	202	< 0.01	810	370	8	< 2	6	10	0.03	< 10	< 10	40	< 10	72

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CERTIFICATE OF ANALYSIS A9628881

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
BB09527	201	202	< 0.2	0.83	2	60	< 0.5	< 2	0.19	< 0.5	83	1020	15	3.68	< 10	< 1	0.01	< 10	12.60	825	< 1
BB09528	201	202	< 0.2	1.40	< 2	40	< 0.5	< 2	0.25	< 0.5	90	945	28	3.68	< 10	< 1	< 0.01	< 10	11.85	720	< 1
BB09529	201	202	< 0.2	2.01	4	30	< 0.5	< 2	0.78	< 0.5	70	852	46	3.09	< 10	< 1	< 0.01	< 10	12.00	590	< 1
BB09530	201	202	< 0.2	3.01	10	650	< 0.5	< 2	1.48	< 0.5	55	280	128	6.66	< 10	< 1	0.04	< 10	2.58	1615	< 1
BB09531	201	202	< 0.2	3.34	6	100	< 0.5	< 2	0.17	< 0.5	77	926	57	4.92	< 10	< 1	< 0.01	< 10	10.70	1420	< 1
BB09532	201	202	< 0.2	0.84	2	50	< 0.5	< 2	0.32	< 0.5	66	923	24	3.83	< 10	< 1	0.02	< 10	13.65	570	< 1
BB09533	201	202	< 0.2	3.41	2	140	< 0.5	< 2	2.29	< 0.5	34	313	28	3.26	< 10	< 1	0.02	< 10	5.16	465	< 1
BB09534	201	202	< 0.2	1.33	6	170	< 0.5	< 2	0.68	< 0.5	48	641	24	3.36	< 10	< 1	0.04	< 10	8.54	520	< 1
BB09535	201	202	< 0.2	1.49	2	200	< 0.5	< 2	0.64	< 0.5	37	520	27	3.24	< 10	< 1	0.04	< 10	6.25	540	< 1
BB09536	201	202	< 0.2	1.71	2	280	< 0.5	< 2	0.73	< 0.5	26	368	22	3.02	< 10	< 1	0.03	< 10	3.68	490	< 1
BB09537	201	202	< 0.2	1.45	2	60	< 0.5	< 2	0.46	< 0.5	16	104	40	1.94	< 10	< 1	0.03	< 10	1.57	250	< 1
BB09538	201	202	< 0.2	1.61	2	260	< 0.5	< 2	0.62	< 0.5	39	511	28	3.31	< 10	< 1	0.05	< 10	4.90	605	< 1
BB09539	201	202	< 0.2	2.06	8	510	< 0.5	< 2	0.60	0.5	35	365	38	3.67	< 10	1	0.11	< 10	2.95	895	< 1
BB09540	201	202	< 0.2	1.59	8	290	< 0.5	< 2	0.49	< 0.5	22	314	16	3.10	< 10	< 1	0.05	10	3.20	385	< 1
BB09541	201	202	< 0.2	0.82	2	30	< 0.5	< 2	0.12	< 0.5	72	1070	23	3.71	< 10	< 1	< 0.01	< 10	13.95	640	< 1
BB09542	201	202	< 0.2	2.16	4	200	< 0.5	< 2	0.64	< 0.5	59	847	24	4.42	< 10	< 1	0.05	< 10	8.19	640	< 1
BB09543	201	202	< 0.2	1.80	8	210	< 0.5	< 2	0.40	< 0.5	27	437	12	3.96	< 10	< 1	0.04	< 10	3.13	405	< 1
BB09544	201	202	< 0.2	1.78	8	320	< 0.5	< 2	0.35	< 0.5	46	584	20	3.81	< 10	< 1	0.05	10	4.58	625	< 1
BB09545	201	202	< 0.2	1.28	< 2	130	< 0.5	< 2	0.34	< 0.5	80	986	27	3.79	< 10	< 1	0.02	< 10	12.50	760	< 1
BB09546	201	202	< 0.2	1.47	6	280	< 0.5	< 2	0.42	< 0.5	37	451	12	3.72	< 10	< 1	0.05	< 10	4.28	660	< 1
BB09547	201	202	< 0.2	1.81	2	220	< 0.5	< 2	0.83	< 0.5	48	655	73	3.53	< 10	< 1	0.04	< 10	7.13	535	< 1
BB09548	201	202	< 0.2	1.40	6	580	< 0.5	< 2	0.62	< 0.5	16	247	17	2.55	< 10	< 1	0.04	< 10	2.55	365	< 1
BB09549	201	202	0.2	1.50	18	650	< 0.5	< 2	1.30	< 0.5	37	443	54	3.40	< 10	< 1	0.05	< 10	3.97	535	< 1
BB09550	201	202	< 0.2	1.87	6	440	< 0.5	< 2	0.66	< 0.5	32	475	41	3.45	< 10	< 1	0.05	< 10	5.36	525	< 1
BB09551	201	202	< 0.2	2.28	12	500	< 0.5	< 2	0.69	< 0.5	28	292	50	3.52	< 10	< 1	0.06	10	3.06	735	< 1
BB09552	201	202	< 0.2	2.54	6	490	< 0.5	< 2	0.65	< 0.5	30	293	51	3.60	< 10	< 1	0.08	10	3.02	730	< 1
BB09553	201	202	0.2	1.79	< 2	310	< 0.5	< 2	1.45	< 0.5	15	47	73	2.36	< 10	< 1	0.09	10	0.90	665	1
BB09554	201	202	0.2	1.93	12	340	< 0.5	< 2	1.24	< 0.5	16	65	35	3.12	< 10	< 1	0.11	10	1.27	700	1
BB09555	201	202	< 0.2	1.55	2	420	< 0.5	< 2	0.50	< 0.5	10	48	24	2.42	< 10	< 1	0.08	20	0.75	360	1
BB09556	201	202	< 0.2	4.11	< 2	290	< 0.5	< 2	1.54	< 0.5	29	155	91	5.13	< 10	< 1	0.11	< 10	2.64	800	< 1
BB09557	201	202	< 0.2	1.57	10	570	< 0.5	< 2	0.21	< 0.5	11	57	42	2.45	< 10	< 1	0.07	20	0.77	340	1
BB09558	201	202	0.2	1.38	12	630	< 0.5	< 2	0.82	< 0.5	10	54	31	2.29	< 10	< 1	0.08	10	0.75	355	1
BB09559	201	202	< 0.2	1.35	14	480	< 0.5	< 2	0.44	< 0.5	11	63	40	2.47	< 10	< 1	0.08	10	0.89	345	1
BB09560	201	202	0.2	2.00	14	350	< 0.5	< 2	0.81	< 0.5	16	61	30	3.21	< 10	< 1	0.09	< 10	1.07	515	1
BB09561	201	202	< 0.2	1.82	8	830	0.5	< 2	0.30	< 0.5	11	46	27	3.08	< 10	< 1	0.09	10	0.62	445	1
BB09562	201	202	< 0.2	1.73	< 2	270	< 0.5	< 2	0.49	< 0.5	13	43	34	2.54	< 10	< 1	0.10	10	0.78	395	< 1
BB09563	201	202	< 0.2	1.50	10	550	0.5	< 2	0.30	< 0.5	11	49	28	2.73	< 10	< 1	0.19	10	0.52	360	2
BB09564	201	202	< 0.2	1.56	10	660	0.5	< 2	0.37	< 0.5	11	36	45	2.80	< 10	< 1	0.18	20	0.48	495	2
BB09565	201	202	< 0.2	1.35	8	350	0.5	< 2	0.38	< 0.5	10	23	34	2.92	< 10	< 1	0.21	40	0.46	325	1
BB09566	201	202	< 0.2	1.51	10	640	0.5	< 2	0.36	< 0.5	12	25	29	2.76	< 10	< 1	0.17	30	0.44	660	2

CERTIFICATION: Hart Buchler

* INTERFERENCE: HIGH Cu on Bi and P

Chemex Labs Ltd.

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PHONE: 604-984-0221 FAX: 604-984-0218

To: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : ICE
Comments:

Page Number :4-B
Total Pages :5
Certificate Date: 29-AUG-96
Invoice No. : I9628881
P.O. Number :
Account : MPO

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CERTIFICATE OF ANALYSIS A9628881

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB09527	201	202	0.01	1275	150	< 2	< 2	6	5	< 0.01	< 10	< 10	28	< 10	52
BB09528	201	202	< 0.01	1390	120	2	< 2	8	4	0.01	< 10	< 10	38	< 10	38
BB09529	201	202	0.01	1245	120	< 2	< 2	7	5	0.01	< 10	< 10	32	< 10	30
BB09530	201	202	0.01	158	410	2	< 2	40	26	0.03	< 10	< 10	156	< 10	68
BB09531	201	202	< 0.01	887	170	< 2	< 2	17	4	0.07	< 10	< 10	103	< 10	50
BB09532	201	202	< 0.01	1400	90	< 2	< 2	6	3	0.01	< 10	< 10	29	< 10	34
BB09533	201	202	< 0.01	495	310	< 2	< 2	11	16	0.10	< 10	< 10	63	< 10	36
BB09534	201	202	< 0.01	798	410	2	< 2	6	15	0.06	< 10	< 10	49	< 10	62
BB09535	201	202	< 0.01	538	370	6	< 2	7	14	0.10	< 10	< 10	60	< 10	52
BB09536	201	202	< 0.01	290	230	6	< 2	6	14	0.16	< 10	< 10	68	< 10	50
BB09537	201	202	0.08	151	570	< 2	< 2	4	17	0.07	< 10	< 10	47	< 10	32
BB09538	201	202	< 0.01	515	490	8	< 2	7	16	0.10	< 10	< 10	62	< 10	58
BB09539	201	202	< 0.01	347	970	10	< 2	7	19	0.08	< 10	< 10	84	< 10	90
BB09540	201	202	< 0.01	230	400	10	< 2	5	17	0.10	< 10	< 10	73	< 10	76
BB09541	201	202	< 0.01	1285	80	< 2	< 2	7	1	< 0.01	< 10	< 10	30	< 10	36
BB09542	201	202	< 0.01	539	150	8	2	10	12	0.07	< 10	< 10	68	< 10	50
BB09543	201	202	< 0.01	174	240	8	< 2	4	15	0.11	< 10	< 10	83	< 10	82
BB09544	201	202	< 0.01	482	390	8	< 2	9	14	0.06	< 10	< 10	62	< 10	60
BB09545	201	202	< 0.01	1080	140	2	< 2	9	7	0.03	< 10	< 10	42	< 10	38
BB09546	201	202	< 0.01	256	310	10	< 2	5	13	0.06	< 10	< 10	64	< 10	136
BB09547	201	202	0.02	783	600	2	< 2	10	31	0.05	< 10	< 10	66	< 10	70
BB09548	201	202	0.01	175	320	8	< 2	4	19	0.06	< 10	< 10	51	< 10	46
BB09549	201	202	0.01	613	1110	4	< 2	8	37	0.03	< 10	< 10	65	< 10	114
BB09550	201	202	< 0.01	397	460	2	< 2	9	17	0.05	< 10	< 10	71	< 10	80
BB09551	201	202	< 0.01	241	530	6	2	7	20	0.10	< 10	< 10	79	< 10	72
BB09552	201	202	< 0.01	239	390	6	< 2	6	20	0.12	< 10	< 10	85	< 10	70
BB09553	201	202	0.01	37	930	8	< 2	10	35	0.09	< 10	< 10	77	< 10	86
BB09554	201	202	< 0.01	57	560	10	< 2	7	38	0.14	< 10	< 10	86	< 10	86
BB09555	201	202	< 0.01	29	200	10	< 2	4	21	0.07	< 10	< 10	59	< 10	60
BB09556	201	202	< 0.01	82	120	2	< 2	15	20	0.09	< 10	< 10	111	< 10	66
BB09557	201	202	< 0.01	53	200	10	< 2	5	12	0.02	< 10	< 10	46	< 10	58
BB09558	201	202	0.01	52	960	10	2	4	36	0.02	< 10	< 10	45	< 10	72
BB09559	201	202	< 0.01	63	590	10	2	5	25	0.04	< 10	< 10	50	< 10	76
BB09560	201	202	0.01	45	360	10	< 2	7	30	0.08	< 10	< 10	84	< 10	82
BB09561	201	202	< 0.01	37	340	10	< 2	4	18	0.01	< 10	< 10	53	< 10	68
BB09562	201	202	0.03	30	420	4	< 2	5	20	0.05	< 10	< 10	60	< 10	62
BB09563	201	202	< 0.01	49	360	10	< 2	5	20	0.01	< 10	< 10	54	< 10	94
BB09564	201	202	0.01	49	450	10	< 2	5	24	< 0.01	< 10	< 10	59	< 10	130
BB09565	201	202	< 0.01	35	840	18	< 2	4	27	< 0.01	< 10	< 10	28	< 10	98
BB09566	201	202	0.01	33	660	20	< 2	4	24	< 0.01	< 10	< 10	43	< 10	146

CERTIFICATION: Hart Bichler

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EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : ICE
Comments:

Certificate Date: 29-AUG-96
Invoice No. : I9628881
P.O. Number :
Account :MPO

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9628881

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
BB09567	201	202	< 0.2	2.01	< 2	840	0.5	< 2	0.14	< 0.5	8	43	29	2.42	< 10	< 1	0.15	20	0.35	290	1
BB09568	201	202	< 0.2	2.08	6	480	< 0.5	< 2	0.28	< 0.5	9	38	6	2.43	< 10	< 1	0.09	20	0.55	220	1
BB09569	201	202	< 0.2	2.25	< 2	650	0.5	2	0.11	0.5	10	36	19	3.12	< 10	< 1	0.06	10	0.72	245	2
BB09570	201	202	< 0.2	3.31	12	510	0.5	2	0.32	< 0.5	11	54	23	3.83	10	< 1	0.05	20	0.58	310	1
BB09571	201	202	< 0.2	2.15	4	200	< 0.5	2	0.19	< 0.5	9	40	6	3.21	< 10	< 1	0.04	10	0.41	265	< 1
BB09572	201	202	< 0.2	2.16	16	350	< 0.5	< 2	0.12	< 0.5	8	38	12	3.25	< 10	< 1	0.05	10	0.51	215	2
BB09573	201	202	< 0.2	3.05	6	740	1.5	2	0.44	< 0.5	15	65	96	4.30	< 10	< 1	0.10	20	1.42	275	8
BB09574	201	202	< 0.2	2.32	2	740	< 0.5	< 2	0.31	< 0.5	12	51	15	3.01	< 10	1	0.04	10	0.72	315	< 1
BB09575	201	202	< 0.2	1.92	< 2	430	< 0.5	< 2	0.36	< 0.5	13	32	24	3.01	< 10	< 1	0.06	10	0.76	335	1
BB09576	201	202	< 0.2	2.04	< 2	450	< 0.5	2	0.26	< 0.5	9	35	10	2.63	< 10	< 1	0.05	10	0.54	275	< 1
BB09577	201	202	0.2	3.28	2	220	0.5	2	0.25	< 0.5	14	49	33	4.91	< 10	< 1	0.08	10	0.86	315	5
BB09578	201	202	< 0.2	2.30	6	320	< 0.5	< 2	0.18	< 0.5	8	39	17	2.43	< 10	< 1	0.05	10	0.38	160	2
BB09579	201	202	< 0.2	2.88	< 2	230	< 0.5	2	1.22	< 0.5	27	68	44	4.54	< 10	< 1	0.06	< 10	0.98	935	< 1
BB09580	201	202	< 0.2	2.90	< 2	290	< 0.5	2	0.56	0.5	17	50	29	4.89	10	< 1	0.06	< 10	0.96	555	1
BB09581	201	202	< 0.2	3.38	< 2	470	0.5	2	0.42	< 0.5	12	55	40	3.59	< 10	< 1	0.09	10	0.84	350	< 1
BB09582	201	202	< 0.2	3.47	2	340	0.5	< 2	0.42	< 0.5	16	62	46	4.01	< 10	< 1	0.08	10	0.96	555	< 1
BB09583	201	202	< 0.2	3.03	< 2	190	< 0.5	2	0.53	< 0.5	21	71	45	4.90	< 10	< 1	0.03	< 10	1.12	415	< 1
BB09584	201	202	< 0.2	3.33	10	310	< 0.5	< 2	0.57	< 0.5	28	58	86	6.06	10	< 1	0.06	< 10	1.75	1375	< 1
BB09585	201	202	< 0.2	2.01	2	300	< 0.5	< 2	0.13	< 0.5	9	31	19	2.91	< 10	< 1	0.06	10	0.53	330	1
BB09586	201	202	< 0.2	3.36	4	390	0.5	2	0.67	< 0.5	35	25	37	8.38	10	< 1	0.05	< 10	1.50	1310	< 1
BB09587	201	202	< 0.2	3.61	< 2	550	0.5	2	0.93	< 0.5	29	48	41	8.05	10	< 1	0.06	10	1.71	990	1
BB09588	201	202	< 0.2	2.71	10	270	< 0.5	< 2	0.22	< 0.5	11	49	25	3.82	< 10	< 1	0.06	10	0.63	310	1
BB09589	201	202	< 0.2	3.70	< 2	950	0.5	2	0.30	< 0.5	26	110	48	5.10	< 10	< 1	0.06	< 10	1.27	1365	< 1
BB09590	201	202	< 0.2	3.70	< 2	670	0.5	< 2	0.41	< 0.5	20	86	68	4.91	10	< 1	0.06	10	1.36	940	< 1
BB12680	201	202	< 0.2	1.66	< 2	470	< 0.5	< 2	0.52	< 0.5	11	30	26	2.64	< 10	< 1	0.07	10	0.62	500	< 1
BB12681	201	202	< 0.2	1.88	< 2	520	< 0.5	< 2	1.27	< 0.5	9	33	77	2.38	< 10	< 1	0.10	10	0.57	490	1
BB12682	201	202	< 0.2	1.21	< 2	170	< 0.5	< 2	0.21	< 0.5	8	23	23	2.41	< 10	< 1	0.07	< 10	0.23	355	< 1
BB12683	201	202	0.4	1.43	< 2	470	< 0.5	< 2	1.04	< 0.5	6	26	42	1.86	< 10	< 1	0.09	10	0.36	410	< 1
BB12684	201	202	< 0.2	1.26	< 2	430	< 0.5	< 2	0.38	< 0.5	6	23	16	1.99	< 10	< 1	0.08	10	0.44	295	< 1
BB12685	201	202	< 0.2	1.22	< 2	450	< 0.5	< 2	1.05	< 0.5	6	23	43	1.73	< 10	< 1	0.06	10	0.34	400	< 1
BB12686	201	202	0.2	1.59	2	960	< 0.5	< 2	1.17	< 0.5	12	35	39	2.63	< 10	< 1	0.08	10	0.66	585	1
BB12687	201	202	< 0.2	1.11	4	570	< 0.5	< 2	0.81	< 0.5	9	26	23	1.95	< 10	< 1	0.05	10	0.51	325	< 1
BB12688	201	202	0.2	1.21	2	530	< 0.5	< 2	0.37	0.5	9	28	22	2.35	< 10	< 1	0.07	10	0.37	460	1
BB12689	201	202	< 0.2	1.59	< 2	860	< 0.5	< 2	0.70	0.5	11	47	31	2.24	< 10	< 1	0.04	< 10	0.55	585	< 1
BB12690	201	202	< 0.2	1.24	4	310	< 0.5	< 2	0.11	< 0.5	9	26	14	2.28	< 10	< 1	0.06	10	0.37	450	1
BB12691	201	202	< 0.2	0.92	< 2	320	< 0.5	< 2	0.48	< 0.5	9	21	23	1.97	< 10	< 1	0.08	< 10	0.26	575	< 1
BB12692	201	202	< 0.2	1.49	6	270	< 0.5	< 2	0.29	< 0.5	12	33	23	3.15	< 10	< 1	0.08	10	0.51	510	1
BB12693	201	202	< 0.2	1.44	< 2	520	< 0.5	< 2	0.54	< 0.5	9	27	21	2.43	< 10	< 1	0.07	10	0.66	330	< 1

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SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB09567	201	202	< 0.01	25	740	10	4	4	13	0.01	< 10	< 10	84	< 10	110
BB09568	201	202	< 0.01	30	260	14	4	3	10	0.03	< 10	< 10	78	< 10	86
BB09569	201	202	< 0.01	27	230	14	6	3	11	0.01	< 10	< 10	106	< 10	88
BB09570	201	202	< 0.01	24	220	16	6	6	14	0.04	< 10	< 10	114	< 10	116
BB09571	201	202	< 0.01	16	230	6	2	3	7	0.05	< 10	< 10	95	< 10	114
BB09572	201	202	< 0.01	22	190	14	2	3	13	0.03	< 10	< 10	74	< 10	70
BB09573	201	202	< 0.01	75	370	12	4	6	30	0.07	< 10	< 10	176	< 10	178
BB09574	201	202	< 0.01	26	240	6	4	4	24	0.07	< 10	< 10	80	< 10	72
BB09575	201	202	< 0.01	23	140	6	< 2	4	12	0.06	< 10	< 10	75	< 10	74
BB09576	201	202	< 0.01	19	150	6	< 2	3	13	0.06	< 10	< 10	79	< 10	92
BB09577	201	202	< 0.01	32	330	4	< 2	6	16	0.12	< 10	< 10	174	< 10	162
BB09578	201	202	< 0.01	19	150	2	< 2	3	12	0.05	< 10	< 10	88	< 10	76
BB09579	201	202	< 0.01	30	400	< 2	2	9	41	0.17	< 10	< 10	127	< 10	94
BB09580	201	202	< 0.01	21	400	< 2	< 2	4	14	0.15	< 10	< 10	160	< 10	146
BB09581	201	202	< 0.01	27	150	8	2	6	15	0.07	< 10	< 10	107	< 10	86
BB09582	201	202	< 0.01	30	150	6	2	6	23	0.13	< 10	< 10	118	< 10	68
BB09583	201	202	< 0.01	32	230	< 2	2	8	43	0.12	< 10	< 10	142	< 10	86
BB09584	201	202	< 0.01	26	360	< 2	< 2	11	48	0.11	< 10	< 10	152	< 10	94
BB09585	201	202	< 0.01	21	260	6	< 2	3	10	0.04	< 10	< 10	69	< 10	74
BB09586	201	202	< 0.01	22	580	4	< 2	8	16	0.31	< 10	< 10	229	< 10	142
BB09587	201	202	< 0.01	30	530	< 2	6	10	26	0.30	< 10	< 10	263	< 10	126
BB09588	201	202	< 0.01	24	190	8	< 2	4	15	0.08	< 10	< 10	98	< 10	102
BB09589	201	202	0.01	46	350	2	4	9	14	0.01	< 10	< 10	128	< 10	112
BB09590	201	202	< 0.01	42	100	6	4	8	17	0.09	< 10	< 10	125	< 10	76
BB12680	201	202	< 0.01	25	320	8	6	4	13	0.01	< 10	< 10	43	< 10	80
BB12681	201	202	0.02	25	740	2	< 2	11	23	0.03	< 10	< 10	70	< 10	62
BB12682	201	202	0.03	12	230	4	4	3	7	0.06	< 10	< 10	73	< 10	42
BB12683	201	202	0.01	18	530	8	< 2	3	23	0.01	< 10	< 10	46	< 10	80
BB12684	201	202	< 0.01	17	340	4	< 2	4	11	0.03	< 10	< 10	48	< 10	70
BB12685	201	202	0.01	19	610	2	< 2	4	18	0.02	< 10	< 10	44	< 10	68
BB12686	201	202	< 0.01	32	630	12	< 2	5	36	0.03	< 10	< 10	52	< 10	80
BB12687	201	202	< 0.01	24	810	4	< 2	3	28	0.04	< 10	< 10	42	< 10	70
BB12688	201	202	< 0.01	19	450	10	< 2	2	15	0.03	< 10	< 10	55	< 10	118
BB12689	201	202	0.01	21	440	2	2	5	17	0.02	< 10	< 10	63	< 10	86
BB12690	201	202	< 0.01	16	210	6	< 2	2	6	0.02	< 10	< 10	42	< 10	74
BB12691	201	202	< 0.01	23	760	6	4	1	15	< 0.01	< 10	< 10	29	< 10	82
BB12692	201	202	< 0.01	24	340	8	< 2	3	9	0.04	< 10	< 10	69	< 10	72
BB12693	201	202	< 0.01	19	190	10	< 2	4	12	0.06	< 10	< 10	60	< 10	54

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*INTERFERENCE: HIGH Cu on Bi and P

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221 FAX: 604-984-0218

To: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
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Project : ICE
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CERTIFICATE OF ANALYSIS A9628777

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
N111101	205	226	< 0.2	3.47	< 2	220	< 0.5	< 2	1.92	2.0	77	60	1765	8.14	10	< 1	0.05	< 10	2.26	1025	1
N111102	205	226	< 0.2	3.27	6	440	< 0.5	< 2	2.34	< 0.5	55	49	71	7.14	10	< 1	0.01	< 10	2.48	870	< 1
N111103	205	226	< 0.2	3.97	8	1620	< 0.5	< 2	3.78	< 0.5	63	154	95	7.92	< 10	< 1	0.03	< 10	3.69	1385	< 1
N111104	205	226	0.6	4.71	10	120	< 0.5	< 2	0.33	1.5	63	148	357	10.70	< 10	< 1	0.03	< 10	4.39	970	1
N111105	205	226	0.4	5.23	8	570	< 0.5	< 2	2.12	2.5	50	185	310	9.48	< 10	< 1	0.02	< 10	5.55	1255	1
N111106	205	226	0.8	5.61	10	10	< 0.5	< 2	0.85	0.5	44	230	458	12.05	< 10	< 1	< 0.01	< 10	5.61	1315	1
N111107	205	226	< 0.2	4.53	10	90	< 0.5	< 2	3.49	< 0.5	31	209	78	7.59	< 10	< 1	0.05	< 10	4.91	1380	< 1
N111108	205	226	< 0.2	4.59	8	80	< 0.5	6	2.86	< 0.5	27	146	63	5.86	< 10	< 1	0.05	< 10	4.19	935	< 1

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CERTIFICATE OF ANALYSIS A9628777

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N111101	205	226	< 0.01	42	460	< 2	< 2	20	15	0.29	< 10	< 10	202	< 10	1575
N111102	205	226	< 0.01	37	490	6	2	15	15	0.39	< 10	< 10	189	< 10	948
N111103	205	226	< 0.01	50	350	< 2	2	24	35	0.33	< 10	< 10	232	< 10	426
N111104	205	226	< 0.01	47	300	6	< 2	21	10	0.01	< 10	< 10	209	< 10	1480
N111105	205	226	< 0.01	51	300	4	2	21	18	0.01	< 10	< 10	200	< 10	1575
N111106	205	226	< 0.01	54	280	6	< 2	24	16	0.01	< 10	< 10	226	< 10	710
N111107	205	226	< 0.01	45	290	4	2	23	43	0.12	< 10	< 10	198	< 10	476
N111108	205	226	< 0.01	39	290	< 2	2	16	20	0.28	< 10	< 10	184	< 10	370

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SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
IC 96-01 N111075	205	226	0.2	0.81	2	690	< 0.5	< 2	0.08	0.5	17	163	334	1.80	< 10	< 1	0.18	< 10	0.28	495	4
IC 96-01 N111076	205	226	< 0.2	0.91	< 2	530	< 0.5	< 2	0.08	0.5	20	105	337	2.29	< 10	< 1	0.12	< 10	0.40	705	3

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CERTIFICATE OF ANALYSIS A9627904

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
IC 96-01 N111075	205	226	< 0.01	24	100	10	< 2	1	5	< 0.01	< 10	< 10	27	< 10	162
IC 96-01 N111076	205	226	< 0.01	24	110	2	< 2	1	4	< 0.01	< 10	< 10	24	< 10	228

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CERTIFICATE OF ANALYSIS A9627236

SAMPLE	PREP CODE		Au ppb RUSH	Cu %	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
N110935	255	295	< 5	-----	< 0.2	3.35	< 2	80	< 0.5	6	4.05	< 0.5	32	86	66	6.28	< 10	< 1	0.04	< 10	2.19
N110936	255	295	< 5	-----	< 0.2	4.17	< 2	60	< 0.5	< 2	4.55	< 0.5	40	97	82	8.55	10	< 1	0.02	< 10	2.56
N110937	255	295	< 5	-----	< 0.2	1.03	< 2	50	< 0.5	< 2	7.24	< 0.5	8	113	79	2.91	< 10	< 1	< 0.01	< 10	0.54
N110938	255	295	< 5	-----	< 0.2	4.32	< 2	150	< 0.5	< 2	4.12	< 0.5	36	21	56	8.94	10	< 1	0.02	< 10	2.33
N110939	255	295	< 5	-----	< 0.2	3.32	< 2	150	< 0.5	8	2.11	< 0.5	29	15	69	7.20	< 10	< 1	0.03	< 10	1.71
N110940	255	295	< 5	-----	< 0.2	3.92	< 2	130	< 0.5	< 2	3.19	< 0.5	35	17	66	8.28	10	1	0.01	< 10	2.32
N110941	255	295	< 5	-----	< 0.2	3.66	2	130	< 0.5	2	4.49	< 0.5	35	19	63	8.06	10	1	0.06	< 10	1.98
N110942	255	295	< 5	-----	< 0.2	1.34	< 2	860	< 0.5	< 2	6.97	< 0.5	8	43	29	4.05	< 10	< 1	0.03	< 10	0.59
N110943	255	295	< 5	-----	< 0.2	3.36	2	420	< 0.5	2	5.73	< 0.5	34	81	61	6.87	10	< 1	0.06	< 10	2.30
N110944	255	295	< 5	-----	< 0.2	3.30	4	140	< 0.5	2	4.63	< 0.5	34	87	69	7.46	10	< 1	0.05	< 10	2.58
N110945	255	295	< 5	-----	< 0.2	3.91	2	90	< 0.5	8	5.13	< 0.5	31	35	76	7.08	10	< 1	0.06	< 10	2.30
N110946	255	295	< 5	-----	< 0.2	2.77	< 2	90	< 0.5	2	2.56	< 0.5	25	16	56	5.94	10	< 1	0.05	< 10	1.71
N110947	255	295	< 5	-----	< 0.2	3.23	2	70	< 0.5	6	3.22	< 0.5	29	41	63	6.41	10	1	0.04	< 10	2.49
N110948	255	295	< 5	-----	< 0.2	3.11	< 2	40	< 0.5	2	2.47	< 0.5	30	44	67	6.20	< 10	< 1	0.01	< 10	2.59
N110949	255	295	< 5	-----	< 0.2	3.61	< 2	220	< 0.5	6	5.17	< 0.5	30	77	68	6.79	< 10	< 1	0.08	< 10	2.69
N110950	255	295	< 5	-----	< 0.2	3.07	< 2	1160	< 0.5	< 2	8.83	< 0.5	27	103	53	5.76	< 10	2	0.05	< 10	2.64
N111001	255	295	< 5	-----	< 0.2	3.94	< 2	450	< 0.5	4	4.90	< 0.5	32	89	69	6.87	10	< 1	< 0.01	< 10	2.70
N111002	255	295	< 5	-----	< 0.2	3.46	< 2	90	< 0.5	6	3.99	< 0.5	28	43	63	6.49	10	< 1	< 0.01	< 10	2.35
N111003	255	295	< 5	-----	< 0.2	2.98	< 2	120	< 0.5	6	3.22	< 0.5	26	39	72	5.70	< 10	< 1	0.01	< 10	2.16
N111004	255	295	< 5	-----	< 0.2	2.82	< 2	590	< 0.5	6	2.44	< 0.5	25	19	57	6.55	< 10	< 1	0.07	< 10	2.06
N111005	255	295	< 5	-----	< 0.2	2.90	2	520	< 0.5	10	4.91	< 0.5	25	20	54	6.40	< 10	1	0.08	< 10	2.18
N111006	255	295	< 5	-----	< 0.2	2.37	< 2	690	< 0.5	6	2.97	< 0.5	25	19	44	6.37	< 10	< 1	0.05	< 10	1.81
N111007	255	295	< 5	-----	< 0.2	2.75	2	350	< 0.5	4	3.39	< 0.5	27	29	37	6.96	< 10	< 1	0.03	< 10	2.71
N111008	255	295	< 5	-----	< 0.2	2.64	< 2	430	< 0.5	4	2.37	< 0.5	25	16	44	6.50	< 10	< 1	0.04	< 10	2.06
N111009	255	295	< 5	-----	< 0.2	2.79	< 2	650	< 0.5	2	2.86	< 0.5	28	24	57	6.79	< 10	< 1	0.08	< 10	2.26
N111010	255	295	< 5	-----	< 0.2	2.68	< 2	440	< 0.5	2	3.20	< 0.5	27	17	53	6.27	< 10	< 1	0.05	< 10	2.08
N111011	255	295	< 5	-----	< 0.2	3.32	2	690	< 0.5	4	2.61	< 0.5	32	41	59	7.60	< 10	< 1	0.06	< 10	2.89
N111012	255	295	< 5	-----	< 0.2	2.75	< 2	310	< 0.5	8	1.95	< 0.5	28	24	57	6.35	< 10	1	0.05	< 10	1.81
N111013	255	295	< 5	-----	< 0.2	2.64	< 2	530	< 0.5	8	2.02	< 0.5	25	24	55	6.18	< 10	< 1	0.08	< 10	1.74
N111014	255	295	< 5	-----	< 0.2	2.89	< 2	1100	< 0.5	6	2.84	< 0.5	30	29	53	7.43	< 10	< 1	0.07	< 10	2.69
N111015	255	295	< 5	-----	< 0.2	2.80	< 2	510	< 0.5	6	2.56	< 0.5	27	21	57	6.56	< 10	1	0.11	< 10	2.17
N111016	255	295	< 5	-----	< 0.2	2.74	< 2	470	< 0.5	4	2.10	< 0.5	29	26	59	6.69	< 10	< 1	0.12	< 10	2.32
N111017	255	295	< 5	-----	< 0.2	2.33	< 2	290	< 0.5	6	2.40	< 0.5	25	22	59	5.85	< 10	< 1	0.13	< 10	1.53
N111018	255	295	< 5	-----	< 0.2	2.39	< 2	80	< 0.5	6	2.32	< 0.5	21	22	58	6.85	< 10	< 1	0.02	< 10	1.45
N111019	255	295	< 5	-----	< 0.2	3.59	< 2	110	< 0.5	2	3.38	< 0.5	24	106	82	4.39	< 10	1	0.08	< 10	2.15
N111020	255	295	< 5	-----	< 0.2	3.93	< 2	80	< 0.5	2	3.92	< 0.5	25	124	79	4.36	< 10	< 1	0.09	< 10	2.57
N111021	255	295	< 5	-----	< 0.2	4.27	< 2	60	< 0.5	< 2	4.17	< 0.5	23	134	73	4.33	< 10	1	0.05	< 10	2.45
N111022	255	295	< 5	-----	< 0.2	4.03	< 2	50	< 0.5	< 2	3.55	< 0.5	25	112	82	4.46	< 10	< 1	0.12	< 10	2.45
N111023	255	295	< 5	-----	< 0.2	4.56	< 2	60	< 0.5	< 2	3.90	< 0.5	26	143	77	4.86	< 10	< 1	0.08	< 10	2.86
N111024	255	295	< 5	-----	< 0.2	4.09	< 2	120	< 0.5	2	3.58	< 0.5	27	160	96	4.76	< 10	< 1	0.08	< 10	3.00

CERTIFICATION: Hart Bichler

*INTERFERENCE: Cu on Bi and P

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CERTIFICATE OF ANALYSIS A9627236

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N110935	255	295	1150	< 1	< 0.01	40	590	< 2	2	21	43	0.37	< 10	< 10	234	< 10	80
N110936	255	295	1205	1	0.01	44	690	< 2	2	24	19	0.20	< 10	< 10	279	< 10	100
N110937	255	295	1250	< 1	< 0.01	13	1270	< 2	< 2	5	40	0.01	< 10	< 10	92	150	18
N110938	255	295	1155	2	< 0.01	23	760	< 2	< 2	25	31	0.16	< 10	< 10	298	< 10	104
N110939	255	295	895	1	< 0.01	21	740	< 2	< 2	10	17	0.50	< 10	< 10	223	< 10	92
N110940	255	295	1170	1	< 0.01	23	700	< 2	< 2	21	24	0.31	< 10	< 10	252	< 10	108
N110941	255	295	1155	1	< 0.01	27	700	< 2	2	26	32	0.26	< 10	< 10	269	< 10	102
N110942	255	295	860	< 1	< 0.01	18	3950	2	< 2	3	43	< 0.01	< 10	< 10	103	< 10	14
N110943	255	295	1130	< 1	0.01	38	530	< 2	< 2	21	39	0.33	< 10	< 10	235	< 10	78
N110944	255	295	995	< 1	< 0.01	37	580	< 2	< 2	31	37	0.42	< 10	< 10	289	< 10	82
N110945	255	295	950	1	0.01	29	690	< 2	2	16	61	0.58	< 10	< 10	270	< 10	86
N110946	255	295	650	1	< 0.01	24	600	< 2	< 2	9	17	0.34	< 10	< 10	192	< 10	72
N110947	255	295	855	1	< 0.01	29	560	< 2	< 2	19	33	0.36	< 10	< 10	230	< 10	74
N110948	255	295	910	1	< 0.01	31	560	< 2	< 2	16	40	0.34	< 10	< 10	191	< 10	78
N110949	255	295	1105	< 1	0.01	37	550	< 2	2	27	85	0.45	< 10	< 10	266	< 10	82
N110950	255	295	1550	< 1	0.01	33	400	< 2	< 2	24	87	0.21	< 10	< 10	211	< 10	64
N111001	255	295	1145	1	< 0.01	37	500	< 2	< 2	25	32	0.44	< 10	< 10	257	< 10	82
N111002	255	295	1000	1	< 0.01	31	510	< 2	< 2	16	28	0.35	< 10	< 10	198	< 10	76
N111003	255	295	745	1	< 0.01	30	520	< 2	2	18	32	0.45	< 10	< 10	218	< 10	68
N111004	255	295	785	< 1	< 0.01	23	720	< 2	< 2	12	41	0.55	< 10	< 10	229	< 10	84
N111005	255	295	1055	1	< 0.01	21	640	< 2	2	16	65	0.63	< 10	< 10	257	< 10	76
N111006	255	295	830	< 1	< 0.01	20	690	< 2	< 2	12	41	0.52	< 10	< 10	242	< 10	74
N111007	255	295	915	< 1	< 0.01	20	590	< 2	< 2	18	41	0.46	< 10	< 10	249	< 10	78
N111008	255	295	760	< 1	< 0.01	17	730	< 2	< 2	15	38	0.47	< 10	< 10	237	< 10	76
N111009	255	295	980	< 1	< 0.01	22	680	< 2	2	15	55	0.41	< 10	< 10	220	< 10	90
N111010	255	295	955	1	< 0.01	21	650	< 2	< 2	11	43	0.40	< 10	< 10	213	< 10	84
N111011	255	295	1045	1	< 0.01	28	700	< 2	< 2	23	53	0.48	< 10	< 10	270	< 10	96
N111012	255	295	820	1	< 0.01	25	720	< 2	2	10	42	0.48	< 10	< 10	196	< 10	90
N111013	255	295	795	1	0.01	23	650	< 2	2	10	42	0.50	< 10	< 10	204	< 10	84
N111014	255	295	1090	1	< 0.01	26	610	< 2	< 2	18	59	0.43	< 10	< 10	230	< 10	92
N111015	255	295	880	1	< 0.01	24	650	< 2	< 2	15	43	0.46	< 10	< 10	220	< 10	86
N111016	255	295	860	< 1	< 0.01	25	710	< 2	2	15	43	0.47	< 10	< 10	211	< 10	86
N111017	255	295	930	1	0.01	23	650	< 2	2	9	26	0.46	< 10	< 10	180	< 10	78
N111018	255	295	715	< 1	< 0.01	16	790	< 2	< 2	11	12	0.41	< 10	< 10	258	< 10	78
N111019	255	295	750	< 1	0.03	55	310	< 2	< 2	9	15	0.28	< 10	< 10	140	< 10	56
N111020	255	295	775	< 1	0.01	55	270	< 2	2	11	16	0.27	< 10	< 10	138	< 10	54
N111021	255	295	685	< 1	0.03	55	250	< 2	2	11	14	0.24	< 10	< 10	137	< 10	50
N111022	255	295	725	< 1	0.02	61	280	< 2	< 2	11	12	0.29	< 10	< 10	136	< 10	54
N111023	255	295	800	1	0.04	59	280	< 2	2	13	18	0.30	< 10	< 10	159	< 10	56
N111024	255	295	815	1	0.01	65	270	< 2	2	15	13	0.29	< 10	< 10	161	< 10	58

CERTIFICATION: Hart Bichler

* INTERFERENCE: Cu on Bi and P

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221 FAX: 604-984-0218

To: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : ICE
Comments:

Page Number :2-A
Total Pages :3
Certificate Date: 12-AUG-96
Invoice No. : I9627236
P.O. Number :
Account :MPO

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9627236

SAMPLE	PREP CODE		Au ppb RUSH	Cu %	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
N111025	255	295	< 5	-----	< 0.2	3.50	< 2	50	< 0.5	< 2	2.95	< 0.5	35	163	534	5.58	< 10	< 1	0.10	< 10	2.74
N111026	255	295	40	1.32	2.2	4.34	4	< 10	< 0.5	Intf*	0.69	1.5	140	155	>10000	13.50	< 10	2	0.01	< 10	3.37
N111027	255	295	50	1.18	1.6	4.12	8	< 10	< 0.5	Intf*	0.22	3.0	112	150	>10000	12.35	< 10	2	< 0.01	< 10	3.28
N111028	255	295	15	0.05	< 0.2	5.04	2	10	< 0.5	< 2	0.10	< 0.5	109	159	451	13.10	< 10	1	< 0.01	< 10	3.66
N111029	255	295	10	0.09	0.2	3.65	< 2	< 10	< 0.5	< 2	0.66	< 0.5	82	112	806	13.65	< 10	< 1	< 0.01	< 10	2.94
N111030	255	295	10	0.03	< 0.2	3.62	6	< 10	< 0.5	< 2	0.40	< 0.5	73	102	190	14.90	< 10	1	< 0.01	< 10	2.84
N111031	255	295	< 5	0.01	< 0.2	6.57	< 2	< 10	< 0.5	< 2	0.12	< 0.5	104	129	57	13.45	10	1	< 0.01	< 10	5.76
N111032	255	295	10	0.12	0.4	5.61	4	< 10	< 0.5	< 2	0.14	< 0.5	111	120	1070	>15.00	10	1	< 0.01	< 10	4.53
N111033	255	295	5	0.01	< 0.2	5.06	< 2	< 10	< 0.5	< 2	0.27	< 0.5	88	185	23	>15.00	< 10	< 1	< 0.01	< 10	3.98
N111034	255	295	60	0.02	0.2	3.50	< 2	< 10	< 0.5	< 2	1.93	1.5	75	139	127	14.45	< 10	1	< 0.01	< 10	2.62
N111035	255	295	10	-----	< 0.2	6.07	< 2	< 10	< 0.5	< 2	0.13	< 0.5	88	140	22	13.10	10	< 1	< 0.01	< 10	4.71
N111036	255	295	20	-----	0.6	5.50	< 2	30	< 0.5	< 2	0.16	4.5	106	140	315	13.30	10	< 1	< 0.01	< 10	3.65
N111037	255	295	30	-----	0.2	5.20	< 2	10	< 0.5	< 2	0.25	25.0	110	126	240	12.35	10	3	< 0.01	< 10	3.70
N111038	255	295	45	-----	< 0.2	6.48	< 2	10	< 0.5	< 2	0.27	9.5	69	118	122	13.55	10	1	< 0.01	< 10	4.84
N111039	255	295	15	-----	0.2	5.80	6	10	< 0.5	< 2	0.41	1.5	62	114	570	12.70	10	2	< 0.01	< 10	4.71
N111040	255	295	10	-----	< 0.2	5.45	< 2	110	< 0.5	2	1.25	2.5	50	115	397	10.75	10	1	0.04	< 10	4.90
N111041	255	295	10	-----	< 0.2	3.71	< 2	80	< 0.5	< 2	1.05	< 0.5	37	115	251	8.30	< 10	1	< 0.01	< 10	3.50
N111042	255	295	< 5	-----	< 0.2	4.63	< 2	160	< 0.5	< 2	1.54	< 0.5	34	119	183	8.21	< 10	1	0.01	< 10	4.48
N111043	255	295	< 5	-----	< 0.2	4.13	< 2	230	< 0.5	4	1.86	< 0.5	33	100	142	6.99	< 10	< 1	0.01	< 10	4.15
N111044	255	295	< 5	-----	< 0.2	3.68	2	170	< 0.5	2	1.86	< 0.5	31	105	105	6.29	< 10	1	0.05	< 10	3.77
N111045	255	295	< 5	-----	< 0.2	3.81	< 2	190	< 0.5	2	2.41	< 0.5	32	154	101	6.28	< 10	< 1	0.05	< 10	3.84
N111046	255	295	< 5	-----	< 0.2	5.74	< 2	10	< 0.5	6	1.74	< 0.5	57	97	228	10.05	10	1	< 0.01	< 10	5.06
N111047	255	295	< 5	-----	< 0.2	5.58	< 2	10	< 0.5	< 2	1.42	< 0.5	58	98	390	11.70	10	2	< 0.01	< 10	4.38
N111048	255	295	30	-----	0.2	4.70	2	80	< 0.5	< 2	2.54	3.0	73	137	886	8.63	< 10	2	0.01	< 10	4.46
N111049	255	295	< 5	-----	< 0.2	5.64	< 2	390	< 0.5	6	2.76	< 0.5	39	239	17	5.62	< 10	< 1	0.01	< 10	7.17
N111050	255	295	< 5	-----	< 0.2	3.91	2	180	< 0.5	2	1.70	< 0.5	29	177	35	4.73	< 10	1	0.04	< 10	5.64
N111051	255	295	< 5	-----	< 0.2	2.74	< 2	60	< 0.5	< 2	0.99	< 0.5	24	87	65	3.82	< 10	1	0.08	< 10	3.83
N111052	255	295	< 5	-----	< 0.2	2.45	2	30	< 0.5	< 2	1.32	< 0.5	22	86	65	3.54	< 10	< 1	0.09	< 10	3.32
N111053	255	295	< 5	-----	< 0.2	3.04	< 2	70	< 0.5	< 2	2.21	< 0.5	25	89	72	4.07	< 10	< 1	0.08	< 10	3.75
N111054	255	295	< 5	-----	< 0.2	2.69	< 2	40	< 0.5	2	1.32	< 0.5	25	99	54	3.94	< 10	1	0.08	< 10	3.62
N111055	255	295	< 5	-----	< 0.2	3.18	2	60	< 0.5	< 2	1.49	< 0.5	25	110	59	3.91	< 10	< 1	0.09	< 10	4.05
N111056	255	295	< 5	-----	< 0.2	3.63	< 2	90	< 0.5	6	1.71	< 0.5	28	99	89	5.07	< 10	< 1	0.06	< 10	3.99
N111057	255	295	< 5	-----	< 0.2	3.03	2	40	< 0.5	2	1.33	< 0.5	26	45	69	4.45	< 10	< 1	0.10	< 10	3.03
N111058	255	295	< 5	-----	< 0.2	3.53	< 2	40	< 0.5	4	1.35	< 0.5	29	55	65	6.21	< 10	1	0.05	< 10	3.46
N111059	255	295	< 5	-----	< 0.2	3.73	< 2	40	< 0.5	< 2	1.30	< 0.5	30	84	68	6.42	< 10	< 1	0.02	< 10	3.83
N111060	255	295	< 5	-----	< 0.2	2.99	< 2	40	< 0.5	4	1.17	< 0.5	27	63	68	4.79	< 10	< 1	0.08	< 10	3.12
N111061	255	295	< 5	-----	< 0.2	3.96	< 2	40	< 0.5	2	1.93	< 0.5	31	83	57	6.59	< 10	1	0.04	< 10	3.98
N111062	255	295	< 5	-----	< 0.2	3.57	< 2	240	< 0.5	4	1.58	< 0.5	29	63	53	5.54	< 10	1	0.05	< 10	3.87
N111063	255	295	< 5	-----	< 0.2	4.32	< 2	290	< 0.5	4	1.12	3.5	32	83	112	6.65	< 10	1	0.05	< 10	4.65
N111064	255	295	< 5	-----	< 0.2	3.98	2	430	< 0.5	4	1.64	< 0.5	29	75	50	5.42	< 10	< 1	0.03	< 10	4.31

CERTIFICATION: Hart Bichler

* INTERFERENCE: Cu on Bi and P

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o: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
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Project : ICE
Comments:

Certificate Date: 12-AUG-96
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CERTIFICATE OF ANALYSIS A9627236

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N111025	255	295	770	1	0.01	54	300	< 2	2	18	128	0.29	< 10	< 10	171	< 10	120
N111026	255	295	350	10	< 0.01	34	Intf*	10	< 2	15	6	0.01	< 10	< 10	139	< 10	366
N111027	255	295	260	11	< 0.01	29	Intf*	8	2	16	2	0.02	< 10	< 10	153	< 10	854
N111028	255	295	280	2	< 0.01	33	190	2	2	18	2	0.04	< 10	< 10	169	< 10	152
N111029	255	295	255	3	< 0.01	23	80	2	2	13	6	0.05	< 10	< 10	130	< 10	134
N111030	255	295	265	2	< 0.01	23	50	6	< 2	13	2	0.06	< 10	< 10	115	< 10	72
N111031	255	295	360	1	< 0.01	39	290	< 2	< 2	21	2	0.02	< 10	< 10	218	< 10	94
N111032	255	295	300	1	< 0.01	37	210	2	< 2	19	1	0.06	< 10	< 10	175	< 10	86
N111033	255	295	260	2	< 0.01	46	160	< 2	2	17	2	0.07	< 10	< 10	165	< 10	74
N111034	255	295	240	5	< 0.01	27	70	4	2	12	6	0.07	< 10	< 10	131	< 10	908
N111035	255	295	385	3	< 0.01	35	310	2	2	22	1	0.01	< 10	< 10	210	< 10	192
N111036	255	295	380	3	< 0.01	32	250	4	2	20	1	0.03	< 10	< 10	188	< 10	980
N111037	255	295	380	3	< 0.01	32	270	< 2	2	18	2	0.02	< 10	< 10	190	< 10	4780
N111038	255	295	645	1	< 0.01	37	340	< 2	< 2	23	3	0.06	< 10	< 10	245	< 10	2040
N111039	255	295	855	1	< 0.01	38	330	< 2	2	19	6	0.03	< 10	< 10	224	< 10	538
N111040	255	295	985	1	< 0.01	38	370	< 2	2	22	11	0.29	< 10	< 10	268	< 10	584
N111041	255	295	850	1	< 0.01	21	170	< 2	< 2	13	5	0.16	< 10	< 10	136	< 10	228
N111042	255	295	1000	< 1	< 0.01	39	400	< 2	2	22	19	0.49	< 10	< 10	267	< 10	288
N111043	255	295	1000	1	< 0.01	36	360	< 2	2	17	14	0.42	< 10	< 10	205	< 10	328
N111044	255	295	740	1	0.01	37	360	< 2	< 2	17	29	0.40	< 10	< 10	213	< 10	154
N111045	255	295	740	< 1	0.03	42	340	< 2	< 2	18	34	0.36	< 10	< 10	203	< 10	312
N111046	255	295	850	1	< 0.01	31	270	< 2	2	21	10	0.32	< 10	< 10	218	< 10	288
N111047	255	295	770	2	< 0.01	31	300	2	2	20	10	0.13	< 10	< 10	229	< 10	242
N111048	255	295	835	3	< 0.01	34	260	< 2	2	18	37	0.16	< 10	< 10	202	< 10	852
N111049	255	295	795	1	< 0.01	59	330	< 2	2	23	84	0.38	< 10	< 10	180	< 10	80
N111050	255	295	665	1	< 0.01	49	330	< 2	2	12	41	0.24	< 10	< 10	111	< 10	56
N111051	255	295	590	< 1	< 0.01	36	390	< 2	< 2	5	32	0.18	< 10	< 10	74	< 10	54
N111052	255	295	600	1	< 0.01	39	350	< 2	2	5	28	0.16	< 10	< 10	68	< 10	48
N111053	255	295	730	< 1	< 0.01	47	350	< 2	< 2	7	27	0.18	< 10	< 10	82	< 10	54
N111054	255	295	655	< 1	< 0.01	41	360	< 2	< 2	6	32	0.20	< 10	< 10	84	< 10	54
N111055	255	295	690	1	< 0.01	41	370	< 2	2	8	68	0.27	< 10	< 10	102	< 10	54
N111056	255	295	795	1	< 0.01	38	440	< 2	2	8	50	0.33	< 10	< 10	159	< 10	78
N111057	255	295	770	1	0.01	31	380	< 2	< 2	5	40	0.35	< 10	< 10	132	< 10	70
N111058	255	295	895	< 1	< 0.01	32	430	< 2	< 2	6	25	0.36	< 10	< 10	165	< 10	84
N111059	255	295	990	1	< 0.01	34	400	< 2	< 2	6	28	0.38	< 10	< 10	174	< 10	94
N111060	255	295	765	< 1	< 0.01	33	400	< 2	2	4	26	0.30	< 10	< 10	124	< 10	92
N111061	255	295	890	1	< 0.01	34	460	< 2	< 2	9	56	0.39	< 10	< 10	175	< 10	148
N111062	255	295	750	1	< 0.01	34	440	< 2	2	9	62	0.34	< 10	< 10	154	< 10	100
N111063	255	295	810	1	< 0.01	39	430	< 2	2	9	25	0.36	< 10	< 10	183	< 10	1310
N111064	255	295	640	1	< 0.01	39	420	< 2	2	9	39	0.38	< 10	< 10	141	< 10	86

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* PLEASE NOTE

SAMPLE	PREP CODE		Au ppb RUSH	Cu %	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
N111065	255	295	< 5	-----	< 0.2	4.49	< 2	1980	< 0.5	2	1.44	< 0.5	30	116	91	6.69	< 10	< 1	0.03	< 10	4.46
N111066	255	295	< 5	-----	< 0.2	5.22	< 2	870	< 0.5	8	1.61	< 0.5	34	203	94	7.96	< 10	< 1	0.01	< 10	5.52
N111067	255	295	< 5	0.30	1.0	5.74	< 2	40	< 0.5	2	0.44	< 0.5	97	180	2810	13.25	< 10	1	< 0.01	< 10	4.66
N111068	255	295	< 5	0.35	0.2	5.99	< 2	50	< 0.5	2	0.43	< 0.5	106	205	3510	13.95	< 10	3	0.05	< 10	4.29
N111069	255	295	10	0.33	0.2	5.70	4	10	< 0.5	< 2	0.34	< 0.5	130	196	3360	>15.00	< 10	1	0.07	< 10	3.78
N111070	255	295	15	0.45	0.2	5.22	< 2	10	< 0.5	< 2	0.36	< 0.5	117	188	4120	14.65	< 10	3	0.03	< 10	3.73
N111071	255	295	< 5	-----	< 0.2	3.92	< 2	130	< 0.5	2	1.87	< 0.5	30	130	118	5.99	< 10	< 1	0.06	< 10	3.16
N111072	255	295	< 5	-----	0.2	4.43	< 2	140	< 0.5	2	2.64	< 0.5	30	63	109	6.15	< 10	1	0.03	< 10	3.29
N111073	255	295	< 5	-----	< 0.2	4.19	< 2	440	< 0.5	2	3.17	< 0.5	32	84	86	6.31	< 10	1	0.03	< 10	3.51
N111074	255	295	< 5	-----	< 0.2	3.57	< 2	90	< 0.5	< 2	2.71	< 0.5	26	63	107	5.27	< 10	< 1	0.01	< 10	2.91

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SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N111065	255	295	820	1	< 0.01	43	400	< 2	2	11	40	0.40	< 10	< 10	198	< 10	186
N111066	255	295	1105	2	< 0.01	50	380	< 2	2	18	18	0.43	< 10	< 10	258	< 10	206
N111067	255	295	945	3	< 0.01	41	250	6	4	19	7	0.27	< 10	< 10	227	< 10	214
N111068	255	295	565	4	< 0.01	47	210	2	6	19	6	0.29	< 10	< 10	215	< 10	482
N111069	255	295	540	3	< 0.01	55	230	6	2	17	4	0.22	< 10	< 10	202	< 10	226
N111070	255	295	675	6	< 0.01	47	230	6	< 2	18	4	0.23	< 10	< 10	216	< 10	422
N111071	255	295	710	< 1	< 0.01	61	360	< 2	< 2	9	11	0.35	< 10	< 10	176	< 10	228
N111072	255	295	820	1	< 0.01	33	390	< 2	2	9	17	0.40	< 10	< 10	198	< 10	94
N111073	255	295	935	1	< 0.01	36	390	2	< 2	14	19	0.40	< 10	< 10	214	< 10	138
N111074	255	295	780	1	< 0.01	34	330	< 2	< 2	9	18	0.38	< 10	< 10	172	< 10	118

CERTIFICATION: Hart Bichler

* INTERFERENCE: Cu on Bi and P

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
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To: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
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V6B 1L8

Project : ICE
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Invoice No. : I9626852
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Account : MPO

CERTIFICATE OF ANALYSIS A9626852

SAMPLE	PREP CODE		Cu %
N110810	244	--	1.05
N110811	244	--	1.11
N110812	244	--	0.98

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Certificate Date: 12-AUG-96
Invoice No. : I9626578
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9626578

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
N110898	205	226	0.2	0.74	8	380	< 0.5	< 2	1.57	< 0.5	7	165	60	1.44	< 10	< 1	0.10	< 10	0.47	1115	5
N110899	205	226	< 0.2	1.24	< 2	470	< 0.5	< 2	1.06	< 0.5	10	137	58	1.84	< 10	< 1	0.16	10	0.67	1070	< 1
N110900	205	226	< 0.2	0.63	8	330	< 0.5	< 2	3.38	< 0.5	7	167	61	1.24	< 10	< 1	0.09	< 10	0.43	2470	5
N110901	205	226	0.2	0.81	8	400	< 0.5	< 2	1.57	< 0.5	7	128	62	1.42	< 10	< 1	0.15	< 10	0.51	1165	2
N110902	205	226	0.2	1.41	4	670	< 0.5	< 2	0.34	< 0.5	9	80	86	2.17	< 10	< 1	0.27	10	0.73	420	< 1
N110903	205	226	0.2	2.01	8	550	< 0.5	< 2	0.53	< 0.5	13	86	73	3.12	< 10	< 1	0.40	30	0.91	545	< 1

CERTIFICATION: Hart Bichler

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Certificate Date: 12-AUG-96
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P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9626578

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N110898	205	226	< 0.01	34	140	6	< 2	< 1	26	< 0.01	< 10	< 10	15	< 10	78
N110899	205	226	< 0.01	30	220	2	2	1	17	< 0.01	< 10	< 10	17	< 10	56
N110900	205	226	< 0.01	47	620	8	< 2	1	69	< 0.01	< 10	< 10	14	< 10	84
N110901	205	226	< 0.01	38	260	8	< 2	1	19	< 0.01	< 10	< 10	14	< 10	66
N110902	205	226	< 0.01	36	180	8	< 2	1	5	< 0.01	< 10	< 10	23	< 10	74
N110903	205	226	< 0.01	42	560	16	< 2	2	8	< 0.01	< 10	< 10	39	< 10	108

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Invoice No. : I9625462
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Project : ICE
Comments: FAX:EXPATRIATE RES WHITEHORSE FAX: EXPATRIATE RES.VAN

CERTIFICATE OF ANALYSIS A9625462

SAMPLE	PREP CODE		Cu %
N110839	244	--	1.02

CERTIFICATION: Saro Leinad

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Project : ICE
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Certificate Date: 02-AUG-96
Invoice No. : I9625251
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Account : MPO

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9625251

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
N110802	208	226	0.2	4.15	< 2	90	< 0.5	< 2	2.70	5.0	21	94	2660	6.05	10	1	0.01	< 10	2.37	590	< 1
N110803	208	226	0.4	3.66	< 2	80	< 0.5	< 2	2.08	4.0	19	75	1330	6.12	10	< 1	< 0.01	< 10	2.41	595	< 1
N110804	208	226	0.2	3.35	< 2	100	< 0.5	< 2	1.82	4.0	22	67	1580	5.86	10	< 1	< 0.01	< 10	2.39	625	< 1
N110805	208	226	0.2	3.26	< 2	80	< 0.5	< 2	1.92	2.0	20	118	872	4.89	10	< 1	< 0.01	< 10	2.60	650	< 1
N110806	208	226	< 0.2	3.34	< 2	60	< 0.5	< 2	2.02	2.0	21	55	1645	5.45	10	< 1	< 0.01	< 10	2.33	625	< 1
N110807	208	226	< 0.2	3.23	< 2	260	< 0.5	< 2	1.51	1.0	33	40	1880	6.14	10	< 1	< 0.01	< 10	2.32	680	< 1
N110808	208	226	< 0.2	3.24	< 2	110	< 0.5	< 2	1.54	1.5	25	40	2890	5.81	10	< 1	< 0.01	< 10	2.44	700	< 1
N110809	208	226	< 0.2	3.56	< 2	170	< 0.5	< 2	1.45	2.5	36	99	2970	6.34	10	< 1	< 0.01	< 10	2.95	745	< 1
N110810	208	226	0.6	4.51	< 2	400	< 0.5	Intf*	0.55	3.0	85	141	>10000	10.60	10	< 1	< 0.01	< 10	3.41	1195	< 1
N110811	208	226	< 0.2	4.83	< 2	950	< 0.5	Intf*	0.20	3.0	86	97	>10000	9.99	10	< 1	0.09	< 10	3.13	1255	< 1
N110812	208	226	0.2	4.76	< 2	640	< 0.5	Intf*	0.23	3.5	100	97	>10000	10.35	10	< 1	0.09	< 10	3.07	1420	< 1
N110813	208	226	< 0.2	0.81	< 2	270	< 0.5	< 2	0.04	< 0.5	16	40	3040	2.40	< 10	< 1	0.16	< 10	0.23	110	< 1
N110814	208	226	< 0.2	0.70	< 2	240	< 0.5	< 2	0.03	< 0.5	11	44	4730	1.85	< 10	< 1	0.12	< 10	0.08	35	< 1
N110815	208	226	0.2	0.94	6	150	< 0.5	< 2	0.17	1.5	60	29	4640	4.54	< 10	< 1	0.13	< 10	0.24	670	1
N110816	208	226	< 0.2	0.91	4	330	< 0.5	< 2	0.04	< 0.5	18	44	4910	2.48	< 10	< 1	0.10	< 10	0.24	100	< 1
N110817	208	226	0.2	1.07	2	200	< 0.5	< 2	0.23	2.0	85	54	5550	5.89	< 10	< 1	0.14	< 10	0.27	1235	< 1
N110818	208	226	< 0.2	0.46	6	330	< 0.5	< 2	0.11	2.0	44	72	2200	2.67	< 10	< 1	0.10	< 10	0.12	1070	< 1
N110819	208	226	< 0.2	0.67	2	410	< 0.5	< 2	0.08	1.5	43	94	1825	2.76	< 10	< 1	0.11	< 10	0.19	870	< 1
N110820	208	226	0.2	0.72	2	490	< 0.5	< 2	0.12	1.5	53	86	1810	3.13	< 10	< 1	0.14	< 10	0.19	1330	< 1
N110821	208	226	0.2	0.70	< 2	550	< 0.5	< 2	0.07	1.0	36	71	2910	2.59	< 10	< 1	0.12	< 10	0.20	775	4
N110822	208	226	< 0.2	0.69	< 2	390	< 0.5	< 2	0.08	1.5	38	104	2510	2.68	< 10	< 1	0.10	< 10	0.17	870	11
N110823	208	226	< 0.2	0.70	< 2	550	< 0.5	< 2	0.06	1.0	36	106	3380	2.73	< 10	< 1	0.10	< 10	0.18	760	6
N110824	208	226	0.2	0.90	2	520	< 0.5	< 2	0.73	0.5	34	112	736	2.67	< 10	< 1	0.14	< 10	0.38	1120	1

CERTIFICATION: Hart Bichler

* INTERFERENCES: Cu on Bi and P

Chemex Labs Ltd.

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To : EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
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Project : ICE
Comments:

Certificate Date: 02-AUG-96
Invoice No. : I9625251
P.O. Number :
Account :MPO

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CERTIFICATE OF ANALYSIS A9625251

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N110802	208	226	0.01	38	310	12	< 2	11	6	0.44	< 10	< 10	170	< 10	686
N110803	208	226	0.01	33	340	10	< 2	12	6	0.44	< 10	< 10	170	< 10	646
N110804	208	226	0.01	29	300	16	< 2	13	7	0.45	< 10	< 10	163	< 10	558
N110805	208	226	0.03	36	250	4	< 2	13	6	0.40	< 10	< 10	151	< 10	208
N110806	208	226	0.01	28	290	2	< 2	13	15	0.47	< 10	< 10	166	< 10	160
N110807	208	226	< 0.01	28	370	2	< 2	13	7	0.47	< 10	< 10	177	< 10	282
N110808	208	226	0.01	30	350	< 2	< 2	10	6	0.49	< 10	< 10	166	< 10	130
N110809	208	226	0.02	44	280	6	< 2	14	5	0.43	< 10	< 10	180	< 10	282
N110810	208	226	< 0.01	49	240	8	< 2	26	7	0.36	< 10	< 10	219	< 10	802
N110811	208	226	0.02	48	360	6	< 2	21	11	0.03	< 10	< 10	182	< 10	676
N110812	208	226	0.01	52	370	6	< 2	19	8	0.01	< 10	< 10	173	< 10	904
N110813	208	226	0.01	26	190	10	< 2	2	1	< 0.01	< 10	< 10	16	< 10	162
N110814	208	226	0.01	16	210	6	< 2	3	1	< 0.01	< 10	< 10	22	< 10	108
N110815	208	226	0.01	32	550	14	< 2	4	4	< 0.01	< 10	< 10	25	< 10	838
N110816	208	226	0.01	32	180	8	< 2	2	3	< 0.01	< 10	< 10	20	< 10	220
N110817	208	226	0.01	34	790	16	< 2	4	6	< 0.01	< 10	< 10	24	< 10	1030
N110818	208	226	0.01	22	190	8	< 2	2	1	< 0.01	< 10	< 10	14	< 10	388
N110819	208	226	0.01	26	160	12	< 2	2	1	< 0.01	< 10	< 10	19	< 10	426
N110820	208	226	0.01	28	150	8	< 2	3	1	< 0.01	< 10	< 10	20	< 10	374
N110821	208	226	0.01	25	150	6	< 2	2	3	< 0.01	< 10	< 10	17	< 10	340
N110822	208	226	0.01	28	110	8	< 2	1	1	< 0.01	< 10	< 10	14	< 10	364
N110823	208	226	0.01	20	100	8	< 2	1	1	< 0.01	< 10	< 10	15	< 10	368
N110824	208	226	0.01	31	160	10	< 2	1	11	< 0.01	< 10	< 10	18	< 10	286

CERTIFICATION: Hart Bichler

* INTERFERENCES: Cu on Bi and P

Chemex Labs Ltd.

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Invoice No. : I9625216
P.O. Number :
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Project : ICE
Comments: FAX:EXPATRIATE RES WHITEHORSE FAX: EXPATRIATE RES.VAN

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CERTIFICATE OF ANALYSIS A9625216

SAMPLE	PREP CODE		Au ppb RUSH	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
N110825	255	295	5	< 0.2	3.04	< 2	370	< 0.5	< 2	4.64	1.5	28	40	56	6.97	10	< 1	0.06	< 10	2.20	1015
N110826	255	295	< 5	< 0.2	3.59	2	200	0.5	< 2	9.33	2.0	47	53	72	7.15	10	< 1	0.09	< 10	2.09	2170
N110827	255	295	5	< 0.2	3.13	< 2	440	< 0.5	< 2	2.33	0.5	26	29	68	6.32	10	1	0.08	< 10	1.58	745
N110828	255	295	10	< 0.2	3.29	< 2	440	< 0.5	< 2	2.47	0.5	26	25	66	6.30	10	< 1	0.09	< 10	1.57	770
N110829	255	295	< 5	< 0.2	3.48	< 2	430	< 0.5	< 2	3.47	1.0	34	40	66	7.46	10	1	0.07	< 10	2.25	1075
N110830	255	295	< 5	< 0.2	3.73	< 2	360	< 0.5	< 2	2.43	1.0	43	46	70	8.01	10	< 1	0.18	< 10	2.20	915
N110831	255	295	< 5	< 0.2	3.27	< 2	800	< 0.5	< 2	2.96	1.5	42	55	62	7.97	10	< 1	0.24	< 10	2.15	985
N110832	255	295	< 5	< 0.2	2.45	2	200	0.5	< 2	7.08	1.5	68	54	68	6.57	< 10	< 1	0.24	< 10	3.25	1420
N110833	255	295	< 5	< 0.2	1.31	26	120	0.5	< 2	12.75	2.0	47	62	1865	5.80	< 10	< 1	0.05	< 10	5.82	1780
N110834	255	295	< 5	< 0.2	0.91	18	500	1.0	< 2	13.05	10.0	127	24	2950	8.69	< 10	< 1	0.03	< 10	5.64	2450
N110835	255	295	5	< 0.2	1.61	14	210	0.5	6	10.75	11.5	104	50	3900	7.46	< 10	< 1	0.06	< 10	5.32	1625
N110836	255	295	5	< 0.2	2.16	< 2	130	< 0.5	< 2	4.00	0.5	42	150	311	4.63	< 10	< 1	0.13	< 10	2.54	935
N110837	255	295	< 5	< 0.2	1.28	12	150	0.5	< 2	10.10	1.5	30	62	134	4.75	< 10	< 1	0.15	< 10	5.20	1350
N110838	255	295	10	0.4	1.78	10	90	0.5	< 2	3.19	3.5	152	111	2630	10.90	< 10	< 1	0.09	< 10	2.60	1610
N110839	255	295	20	1.4	3.34	< 2	10	< 0.5	Intf*	0.23	4.5	223	155	>10000	13.90	10	1	0.01	< 10	2.51	510
N110890	255	295	10	< 0.2	4.51	< 2	70	< 0.5	< 2	1.92	18.5	161	92	5830	9.92	< 10	< 1	0.07	< 10	3.41	1015
N110891	255	295	< 5	< 0.2	4.47	< 2	250	< 0.5	8	1.34	19.0	137	143	9010	9.96	< 10	< 1	0.05	< 10	3.23	1060
N110892	255	295	< 5	< 0.2	3.79	< 2	120	0.5	4	2.88	16.5	107	71	4840	9.02	10	< 1	0.08	< 10	2.76	1090
N110893	255	295	< 5	< 0.2	3.83	< 2	270	< 0.5	2	2.65	13.5	86	50	3030	7.89	10	< 1	0.08	< 10	2.36	1010
N110894	255	295	< 5	< 0.2	3.52	< 2	150	< 0.5	< 2	2.77	6.0	50	37	266	6.59	10	1	0.02	< 10	2.17	825
N110895	255	295	< 5	< 0.2	4.23	< 2	60	< 0.5	< 2	3.55	1.5	39	37	202	6.77	10	< 1	0.01	< 10	2.48	875
N110896	255	295	< 5	< 0.2	5.03	< 2	60	< 0.5	< 2	5.07	2.5	42	73	523	6.03	10	< 1	< 0.01	< 10	2.25	885
N110897	255	295	< 5	< 0.2	4.40	< 2	60	< 0.5	< 2	3.06	4.5	52	51	1965	7.08	10	< 1	0.02	< 10	2.36	870

CERTIFICATION: Hart Bichler

* FOR SAMPLES N110839 & N110890 ON ALL DATA. **INTERFERENCE: HIGH Cu on Bi and P

Chemex Labs Ltd.

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Project : ICE
Comments: FAX:EXPATRIATE RES WHITEHORSE FAX: EXPATRIATE RES.VAN

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Invoice No. : I9625216
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CERTIFICATE OF ANALYSIS A9625216

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N110825	255	295	< 1	0.01	27	690	4	< 2	20	53	0.57	< 10	< 10	286	< 10	92
N110826	255	295	< 1	0.01	44	610	6	< 2	27	72	0.03	< 10	< 10	278	< 10	256
N110827	255	295	< 1	0.01	25	720	2	< 2	8	66	0.75	< 10	< 10	242	< 10	98
N110828	255	295	< 1	0.02	25	710	< 2	< 2	7	47	0.69	< 10	< 10	241	< 10	98
N110829	255	295	< 1	0.01	29	690	< 2	< 2	21	57	0.58	< 10	< 10	303	< 10	134
N110830	255	295	< 1	0.01	33	740	< 2	< 2	22	53	0.48	< 10	< 10	308	< 10	246
N110831	255	295	< 1	0.02	35	710	2	< 2	26	60	0.31	< 10	< 10	286	< 10	158
N110832	255	295	< 1	< 0.01	77	570	6	< 2	24	65	< 0.01	< 10	< 10	186	< 10	204
N110833	255	295	< 1	< 0.01	32	130	8	< 2	13	130	< 0.01	< 10	10	119	< 10	438
N110834	255	295	< 1	< 0.01	41	50	12	< 2	10	179	< 0.01	< 10	10	73	< 10	1755
N110835	255	295	< 1	< 0.01	71	200	10	< 2	16	151	< 0.01	< 10	< 10	123	< 10	1250
N110836	255	295	< 1	0.01	59	300	2	< 2	22	37	< 0.01	< 10	< 10	147	< 10	110
N110837	255	295	< 1	< 0.01	38	190	6	< 2	16	129	< 0.01	< 10	< 10	104	< 10	116
N110838	255	295	1	< 0.01	75	240	6	< 2	23	35	< 0.01	< 10	< 10	129	< 10	1615
N110839	255	295	4	< 0.01	32	Intf*	12	< 2	16	6	< 0.01	< 10	< 10	137	< 10	1805
N110890	255	295	1	< 0.01	40	190	2	< 2	26	43	0.38	< 10	< 10	222	< 10	6520
N110891	255	295	1	< 0.01	46	270	2	< 2	29	37	0.17	< 10	< 10	198	< 10	4830
N110892	255	295	< 1	< 0.01	43	350	2	< 2	25	43	0.45	< 10	< 10	227	< 10	3850
N110893	255	295	< 1	< 0.01	36	440	4	< 2	19	42	0.52	< 10	< 10	234	< 10	2930
N110894	255	295	< 1	0.01	36	480	4	< 2	12	16	0.58	< 10	< 10	225	< 10	874
N110895	255	295	< 1	0.01	35	500	< 2	< 2	14	17	0.54	< 10	< 10	239	< 10	338
N110896	255	295	< 1	< 0.01	35	380	< 2	< 2	15	50	0.39	< 10	< 10	226	< 10	490
N110897	255	295	< 1	< 0.01	37	430	< 2	< 2	17	37	0.45	< 10	< 10	228	< 10	1040

CERTIFICATION: Hart Bichler

* FOR SAMPLES N110839 & N110890 ON ALL DATA. **INTERFERENCE: HIGH Cu on Bi and P

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
PHONE: 604-984-0221 FAX: 604-984-0218

To: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : ICE
Comments: FAX:EXPATRIATE RES WHITEHORSE FAX: EXPATRIATE RES.VAN

Page . er : 1-A
Total Pa..s : 1
Certificate Date: 25-JUL-96
Invoice No. : I9625215
P.O. Number :
Account : MPO

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9625215

SAMPLE	PREP CODE		Au ppb RUSH	Cu %	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %
N110840	258	295	30	4.10	1.4	4.28	22	30	< 0.5	Intf*	0.10	2.5	301	156	>10000	>15.00	< 10	6	0.09	< 10	2.87
N110841	258	295	< 5	4.72	< 0.2	7.04	< 2	300	< 0.5	Intf*	0.61	1.5	45	109	>10000	9.34	10	6	0.07	< 10	3.82
N110842	258	295	< 5	1.13	< 0.2	4.63	< 2	60	< 0.5	< 2	2.40	20.0	97	95	9280	10.55	10	4	0.06	< 10	4.28
N110843	258	295	< 5	1.93	< 0.2	5.11	< 2	140	< 0.5	Intf*	2.76	23.5	82	100	>10000	10.20	10	5	0.07	< 10	3.55
N110844	258	295	< 5	0.93	0.2	4.12	< 2	200	< 0.5	2	2.44	24.0	142	82	8070	11.50	< 10	3	0.04	< 10	3.28
N110845	258	295	15	0.56	0.6	3.80	10	60	< 0.5	< 2	0.44	13.5	271	108	4790	>15.00	< 10	2	0.10	< 10	2.99
N110846	258	295	< 5	0.02	< 0.2	3.46	< 2	10	< 0.5	< 2	0.20	2.5	155	111	170	>15.00	< 10	2	< 0.01	< 10	2.33
N110847	258	295	< 5	0.39	< 0.2	5.71	< 2	30	< 0.5	4	0.14	6.5	92	113	3200	11.55	10	1	< 0.01	< 10	6.11
N110848	258	295	5	0.46	< 0.2	5.87	< 2	70	< 0.5	< 2	0.20	6.5	122	112	3920	13.40	10	3	< 0.01	< 10	6.07
N110849	258	295	< 5	0.99	< 0.2	6.97	< 2	230	< 0.5	< 2	0.20	20.5	116	204	8330	11.75	< 10	3	0.14	< 10	6.32
N110850	258	295	20	2.97	< 0.2	3.26	4	< 10	< 0.5	Intf*	0.04	< 0.5	328	100	>10000	>15.00	10	3	0.02	< 10	2.28
N110885	258	295	15	5.03	< 0.2	6.55	28	30	0.5	Intf*	0.18	0.5	156	82	>10000	>15.00	< 10	7	0.09	< 10	1.63
N110886	258	295	< 5	7.13	< 0.2	3.20	14	< 10	< 0.5	Intf*	0.08	< 0.5	476	53	>10000	>15.00	< 10	6	0.04	< 10	0.78
N110887	258	295	10	8.29	< 0.2	4.97	14	30	< 0.5	Intf*	0.23	13.0	349	58	>10000	>15.00	< 10	7	0.04	< 10	0.68
N110888	258	295	95	1.49	1.8	4.55	< 2	< 10	< 0.5	Intf*	0.12	4.0	226	118	>10000	>15.00	< 10	2	0.05	< 10	2.83
N110889	258	295	90	1.20	2.0	5.52	< 2	40	< 0.5	Intf*	0.58	12.5	150	135	>10000	13.50	10	4	0.06	< 10	4.40

CERTIFICATION: HartBichler

* INTERFERENCE: HIGH Cu on Bi and P

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221 FAX: 604-984-0218

To: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : ICE
Comments: FAX:EXPATRIATE RES WHITEHORSE FAX: EXPATRIATE RES.VAN

Page Number :1-B
Total Pages :1
Certificate Date: 25-JUL-96
Invoice No. : I9625215
P.O. Number :
Account :MPO

* PLEASE NOTE

CERTIFICATE OF ANALYSIS A9625215

SAMPLE	PREP CODE		Mn ppm	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N110840	258	295	330	10	< 0.01	34	Intf*	30	< 2	21	8	0.02	10	10	147	< 10	1390
N110841	258	295	640	1	0.01	39	Intf*	26	< 2	41	33	0.14	10	< 10	251	< 10	428
N110842	258	295	1270	< 1	< 0.01	49	630	10	< 2	35	12	0.43	10	< 10	237	< 10	2000
N110843	258	295	1170	1	0.01	57	Intf*	14	< 2	36	18	0.45	< 10	< 10	209	< 10	1150
N110844	258	295	1250	< 1	< 0.01	39	440	8	< 2	34	10	0.27	< 10	< 10	229	< 10	2760
N110845	258	295	1135	2	< 0.01	53	230	16	2	21	5	0.01	< 10	< 10	161	< 10	4230
N110846	258	295	710	1	< 0.01	35	50	6	< 2	18	4	0.07	< 10	10	138	< 10	2320
N110847	258	295	765	< 1	< 0.01	47	310	8	< 2	22	7	0.01	10	< 10	204	< 10	2030
N110848	258	295	1025	1	< 0.01	45	370	10	< 2	21	7	0.04	10	< 10	200	< 10	2660
N110849	258	295	580	< 1	< 0.01	63	220	14	< 2	25	8	< 0.01	< 10	< 10	146	< 10	3500
N110850	258	295	185	4	< 0.01	31	Intf*	22	< 2	14	3	0.02	10	20	114	< 10	638
N110885	258	295	185	4	< 0.01	32	Intf*	30	< 2	35	6	< 0.01	10	20	206	< 10	1110
N110886	258	295	100	7	< 0.01	19	Intf*	38	< 2	19	2	0.01	< 10	40	117	< 10	814
N110887	258	295	840	3	< 0.01	39	Intf*	42	< 2	28	11	< 0.01	< 10	10	194	< 10	8160
N110888	258	295	295	3	< 0.01	32	Intf*	20	2	21	5	0.12	10	20	140	< 10	1930
N110889	258	295	775	5	< 0.01	44	Intf*	18	< 2	22	20	0.15	10	< 10	218	< 10	4260

CERTIFICATION: Hart Bichler

* INTERFERENCE: HIGH Cu on Bi and P

Chemex Labs Ltd.
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: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : F.P. ICE
Comments:

Certificate Date: 23-JUN-96
Invoice No. : I9620849
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9620849

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
T6057	201	202	0.6	2.55	2	520	< 0.5	4	0.50	1.0	26	78	6330	6.82	10	< 1	0.08	< 10	0.94	540	5
T6058	201	202	< 0.2	3.76	10	390	< 0.5	2	0.73	1.5	31	82	2070	7.20	10	< 1	0.07	< 10	1.27	525	4
T6059	201	202	< 0.2	1.74	14	580	0.5	< 2	0.60	0.5	13	32	68	3.21	< 10	< 1	0.23	10	0.69	540	3
T6060	201	202	< 0.2	2.50	< 2	370	< 0.5	< 2	0.80	< 0.5	24	32	83	4.93	10	< 1	0.07	10	0.85	1265	1
T6061	201	202	< 0.2	1.99	< 2	410	< 0.5	< 2	0.88	< 0.5	11	39	42	2.76	< 10	< 1	0.08	10	0.63	470	1
T6062	201	202	0.4	1.34	2	230	< 0.5	< 2	0.78	0.5	6	22	29	1.75	< 10	< 1	0.08	10	0.43	270	3
T6063	201	202	0.2	1.66	< 2	450	< 0.5	< 2	1.08	< 0.5	7	32	59	2.18	< 10	< 1	0.12	10	0.54	375	2
T6064	201	202	< 0.2	1.75	< 2	450	< 0.5	< 2	0.63	0.5	9	37	62	2.67	< 10	< 1	0.14	10	0.54	560	2
T6065	201	202	< 0.2	1.89	2	530	< 0.5	< 2	0.31	< 0.5	8	34	29	2.39	< 10	< 1	0.12	10	0.38	515	1
T6066	201	202	< 0.2	1.37	4	340	< 0.5	< 2	0.63	< 0.5	8	26	30	1.94	< 10	< 1	0.09	10	0.43	365	1
T6067	201	202	< 0.2	0.19	< 2	280	< 0.5	< 2	3.53	< 0.5	< 1	2	18	0.18	< 10	< 1	0.03	< 10	0.29	165	1
T6068	201	202	0.2	1.15	< 2	330	< 0.5	< 2	1.10	< 0.5	5	18	28	1.31	< 10	< 1	0.09	< 10	0.33	220	1
T6069	201	202	< 0.2	2.06	12	750	0.5	< 2	1.15	< 0.5	13	48	67	3.05	< 10	< 1	0.08	10	0.75	920	2
T6070	201	202	0.2	1.58	12	500	0.5	< 2	0.53	< 0.5	12	34	45	2.68	< 10	< 1	0.17	20	0.59	440	2
T6071	201	202	< 0.2	1.64	2	420	< 0.5	< 2	0.33	< 0.5	10	30	31	2.52	< 10	< 1	0.08	10	0.57	390	1
T6072	201	202	< 0.2	1.28	< 2	480	< 0.5	< 2	0.21	< 0.5	7	25	13	1.85	< 10	< 1	0.04	10	0.39	265	< 1
T6073	201	202	< 0.2	2.16	2	170	< 0.5	< 2	0.34	< 0.5	27	27	32	5.98	10	< 1	0.04	< 10	0.61	1265	1
T6074	201	202	< 0.2	2.17	8	150	< 0.5	< 2	0.24	< 0.5	11	34	37	6.48	10	< 1	0.03	< 10	0.45	335	3
T6075	201	202	< 0.2	3.05	4	430	< 0.5	< 2	0.58	< 0.5	28	17	34	7.52	10	< 1	0.15	< 10	0.92	1070	< 1
T6076	201	202	< 0.2	1.89	4	270	< 0.5	< 2	0.24	< 0.5	22	26	34	5.03	10	< 1	0.06	< 10	0.43	1230	2
T6077	201	202	0.2	2.32	6	450	< 0.5	< 2	0.27	< 0.5	14	40	49	5.31	10	< 1	0.05	< 10	0.59	685	2
T6078	201	202	< 0.2	2.28	10	640	< 0.5	< 2	1.18	0.5	24	57	78	4.64	10	1	0.12	10	1.20	1275	2
T6079	201	202	< 0.2	2.33	10	200	< 0.5	< 2	0.55	< 0.5	14	51	42	5.38	10	< 1	0.04	< 10	0.75	555	1
T6080	201	202	< 0.2	1.67	8	270	< 0.5	< 2	0.67	< 0.5	16	39	41	3.36	< 10	< 1	0.08	< 10	0.80	630	2
T6081	201	202	< 0.2	1.46	< 2	330	< 0.5	< 2	0.39	0.5	22	13	43	3.96	< 10	< 1	0.05	< 10	0.29	2000	1
T6082	201	202	< 0.2	1.47	2	120	< 0.5	< 2	0.24	< 0.5	13	23	50	3.28	< 10	< 1	0.04	< 10	0.24	900	1
T6083	201	202	< 0.2	1.39	6	910	0.5	< 2	0.27	0.5	17	26	45	2.36	< 10	< 1	0.05	10	0.30	1295	1
T16545	201	202	0.6	1.49	< 2	480	0.5	< 2	2.37	0.5	8	27	83	1.83	< 10	< 1	0.07	10	0.46	540	1
T16546	201	202	0.2	1.47	< 2	300	< 0.5	< 2	1.64	0.5	7	26	58	1.92	< 10	< 1	0.09	< 10	0.50	425	2
T16547	201	202	< 0.2	2.13	4	430	< 0.5	< 2	0.33	< 0.5	12	41	40	3.38	< 10	< 1	0.11	10	0.54	590	3
T16548	201	202	< 0.2	2.16	< 2	550	0.5	< 2	0.85	< 0.5	7	34	152	2.41	< 10	< 1	0.10	10	0.42	795	1
T16549	201	202	0.2	0.66	< 2	110	< 0.5	< 2	0.14	< 0.5	2	11	14	0.80	< 10	< 1	0.11	< 10	0.13	90	< 1
T16550	201	202	< 0.2	2.53	< 2	530	< 0.5	< 2	0.43	< 0.5	21	64	46	4.68	10	< 1	0.06	< 10	1.22	1050	1
T16551	201	202	< 0.2	2.85	< 2	470	< 0.5	< 2	0.71	< 0.5	19	67	83	5.28	< 10	< 1	0.10	< 10	1.00	1020	2
T16552	201	202	< 0.2	1.75	2	490	< 0.5	< 2	0.58	< 0.5	10	37	21	2.60	< 10	< 1	0.08	10	0.73	435	2
T16553	201	202	< 0.2	1.28	2	260	< 0.5	< 2	0.30	< 0.5	7	29	21	2.01	< 10	< 1	0.09	10	0.49	295	2
T16554	201	202	< 0.2	1.39	8	420	< 0.5	< 2	0.43	< 0.5	6	26	37	1.83	< 10	< 1	0.07	< 10	0.29	235	1
T16555	201	202	0.2	1.95	< 2	460	0.5	< 2	0.53	< 0.5	8	38	49	2.37	< 10	< 1	0.08	10	0.44	515	1
T16556	201	202	< 0.2	1.31	2	230	< 0.5	< 2	0.15	< 0.5	5	27	19	1.95	< 10	< 1	0.12	10	0.36	245	2
T16557	201	202	< 0.2	1.44	< 2	300	< 0.5	< 2	0.52	< 0.5	8	30	20	2.19	< 10	< 1	0.09	10	0.53	375	1

CERTIFICATION: Hart Bichler

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To: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : F.P. ICE
Comments:

Certificate Date: 23-JUN-96
Invoice No. : I9620849
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9620849

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
T6057	201	202	0.01	26	760	16	2	22	23	0.10	< 10	< 10	159	< 10	290
T6058	201	202	0.01	24	500	12	4	16	22	0.13	< 10	< 10	205	< 10	324
T6059	201	202	0.01	44	560	14	6	6	31	0.02	< 10	< 10	71	< 10	160
T6060	201	202	0.01	24	440	4	< 2	16	18	0.11	< 10	< 10	145	< 10	148
T6061	201	202	0.01	27	370	6	2	10	14	0.05	< 10	< 10	71	< 10	74
T6062	201	202	0.04	22	600	6	< 2	3	19	0.03	< 10	< 10	49	< 10	92
T6063	201	202	0.02	27	600	6	< 2	6	22	0.03	< 10	< 10	59	< 10	82
T6064	201	202	0.03	29	640	8	2	7	20	0.03	< 10	< 10	62	< 10	84
T6065	201	202	0.03	22	360	8	2	5	12	0.01	< 10	< 10	51	< 10	86
T6066	201	202	0.03	20	380	6	< 2	5	16	0.03	< 10	< 10	54	< 10	62
T6067	201	202	0.01	3	600	< 2	< 2	< 1	62	< 0.01	< 10	< 10	4	< 10	80
T6068	201	202	0.04	13	700	< 2	< 2	4	30	0.02	< 10	< 10	37	< 10	38
T6069	201	202	0.01	32	960	6	< 2	12	31	0.05	< 10	< 10	74	< 10	64
T6070	201	202	0.01	37	510	12	< 2	7	27	0.04	< 10	< 10	57	< 10	106
T6071	201	202	< 0.01	26	420	8	2	3	14	0.05	< 10	< 10	56	< 10	66
T6072	201	202	0.01	12	200	6	2	3	11	0.03	< 10	< 10	52	< 10	64
T6073	201	202	< 0.01	21	810	< 2	2	5	9	0.14	< 10	< 10	179	< 10	118
T6074	201	202	0.01	16	450	6	2	4	7	0.17	< 10	< 10	191	< 10	98
T6075	201	202	0.01	20	350	< 2	2	15	22	0.08	< 10	< 10	230	< 10	122
T6076	201	202	0.01	15	280	4	2	5	10	0.12	< 10	< 10	145	< 10	130
T6077	201	202	0.01	22	300	8	2	7	10	0.14	< 10	< 10	162	< 10	154
T6078	201	202	0.01	45	620	2	< 2	16	25	0.12	< 10	< 10	112	< 10	138
T6079	201	202	0.01	21	560	2	4	6	12	0.17	< 10	< 10	150	< 10	102
T6080	201	202	< 0.01	26	440	6	2	11	17	0.10	< 10	< 10	87	< 10	90
T6081	201	202	0.04	12	530	4	< 2	4	19	0.10	< 10	< 10	97	< 10	108
T6082	201	202	0.03	13	640	4	< 2	4	9	0.08	< 10	< 10	86	< 10	120
T6083	201	202	0.01	21	680	12	< 2	4	12	0.01	< 10	< 10	46	< 10	154
T16545	201	202	0.01	28	900	6	2	5	37	0.03	< 10	< 10	56	< 10	68
T16546	201	202	0.03	21	850	4	< 2	6	28	0.03	< 10	< 10	49	< 10	130
T16547	201	202	0.01	23	270	10	< 2	5	12	0.05	< 10	< 10	82	< 10	98
T16548	201	202	0.03	32	930	6	< 2	14	19	0.04	< 10	< 10	73	< 10	84
T16549	201	202	0.06	6	470	2	< 2	< 1	7	0.02	< 10	< 10	26	< 10	28
T16550	201	202	0.01	26	390	6	< 2	8	10	0.16	< 10	< 10	127	< 10	140
T16551	201	202	0.01	37	450	4	2	21	15	0.01	< 10	< 10	155	< 10	116
T16552	201	202	0.01	21	140	10	< 2	4	13	0.08	< 10	< 10	67	< 10	64
T16553	201	202	0.01	20	120	6	2	3	10	0.04	< 10	< 10	50	< 10	70
T16554	201	202	0.04	17	300	6	< 2	4	14	0.03	< 10	< 10	48	< 10	64
T16555	201	202	0.03	27	540	8	< 2	7	14	0.03	< 10	< 10	58	< 10	74
T16556	201	202	0.02	17	160	8	< 2	3	9	0.04	< 10	< 10	49	< 10	64
T16557	201	202	0.02	19	150	8	< 2	4	14	0.06	< 10	< 10	56	< 10	88

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.
Analytical Chemists * Geochemists * Registered Assayers
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To: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : F.P. ICE
Comments:

Page Number :2-A
Total Pages :3
Certificate Date: 23-JUN-96
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P.O. Number :
Account :MPO

CERTIFICATE OF ANALYSIS A9620849

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
T16558	201	202	0.6	1.93	< 2	810	1.5	< 2	0.81	< 0.5	9	32	98	2.30	< 10	< 1	0.06	20	0.37	565	3
T16559	201	202	< 0.2	1.52	< 2	340	< 0.5	< 2	0.83	< 0.5	9	35	58	2.09	< 10	< 1	0.06	< 10	0.51	710	1
T16560	201	202	< 0.2	1.19	< 2	350	< 0.5	< 2	1.31	< 0.5	4	20	39	1.42	< 10	< 1	0.07	< 10	0.34	360	1
T16586	201	202	< 0.2	1.56	12	320	< 0.5	< 2	0.25	0.5	12	32	126	3.17	< 10	< 1	0.06	10	0.54	420	2
T16587	201	202	< 0.2	2.78	< 2	470	< 0.5	< 2	0.65	2.0	49	84	935	8.12	10	< 1	0.03	< 10	0.94	355	1
T16588	201	202	< 0.2	2.50	2	380	0.5	< 2	0.59	0.5	36	42	260	5.46	10	< 1	0.13	< 10	0.90	1465	1
T16589	201	202	< 0.2	2.62	4	340	0.5	< 2	0.67	< 0.5	28	42	70	5.22	10	< 1	0.11	10	1.00	945	3
T16590	201	202	< 0.2	3.39	4	340	< 0.5	< 2	0.67	0.5	33	72	164	6.28	10	< 1	0.14	10	1.55	1995	1
T16591	201	202	0.2	2.13	2	490	< 0.5	< 2	0.67	0.5	21	44	113	3.79	< 10	< 1	0.15	10	0.66	1410	1
T16592	201	202	0.2	1.46	10	540	< 0.5	< 2	0.19	0.5	13	28	82	4.38	< 10	< 1	0.12	< 10	0.25	1925	4
T16593	201	202	< 0.2	3.60	< 2	330	0.5	< 2	1.18	< 0.5	50	47	119	7.71	10	< 1	0.13	< 10	1.23	3110	3
T16594	201	202	< 0.2	2.34	6	300	< 0.5	< 2	0.71	< 0.5	26	45	106	5.06	10	1	0.17	< 10	0.99	1320	1
T16595	201	202	< 0.2	3.30	< 2	570	< 0.5	< 2	0.91	0.5	33	78	108	5.66	10	< 1	0.18	10	1.36	1730	2
T16596	201	202	< 0.2	3.11	2	420	< 0.5	< 2	0.73	1.5	200	101	880	6.45	10	< 1	0.09	< 10	1.09	2300	2
T16597	201	202	< 0.2	2.87	8	540	0.5	< 2	0.58	0.5	121	102	951	4.28	< 10	< 1	0.12	10	0.83	1140	2
T16598	201	202	0.2	4.03	< 2	450	0.5	2	0.79	1.5	72	80	5070	9.83	10	< 1	0.10	< 10	1.56	795	3
T16599	201	202	0.6	1.33	< 2	420	< 0.5	< 2	0.56	0.5	10	28	493	2.83	< 10	< 1	0.07	< 10	0.38	415	2
T16600	201	202	< 0.2	1.76	2	400	< 0.5	< 2	0.29	< 0.5	24	27	52	3.90	< 10	1	0.06	< 10	0.63	1515	2
T16601	201	202	< 0.2	2.01	10	150	< 0.5	< 2	0.10	< 0.5	9	23	38	5.63	< 10	< 1	0.05	10	0.33	390	2
T16602	201	202	< 0.2	2.33	< 2	380	< 0.5	< 2	0.28	< 0.5	20	47	149	4.32	10	< 1	0.05	< 10	0.89	995	2
T16603	201	202	< 0.2	1.47	< 2	180	< 0.5	< 2	0.18	< 0.5	6	24	58	2.02	< 10	< 1	0.06	10	0.30	215	1
T16604	201	202	1.0	1.79	< 2	240	< 0.5	< 2	0.28	0.5	15	38	356	3.62	< 10	< 1	0.08	10	0.61	340	3
T16605	201	202	0.8	2.41	6	430	< 0.5	< 2	0.63	0.5	22	84	2770	7.63	10	< 1	0.10	< 10	0.89	560	5
T16606	201	202	2.4	1.88	< 2	280	< 0.5	2	0.54	0.5	19	48	1095	4.26	< 10	1	0.09	< 10	0.45	425	3
T16607	201	202	< 0.2	3.26	< 2	480	< 0.5	< 2	0.96	0.5	29	62	75	5.82	10	< 1	0.14	< 10	1.39	1630	3
T16608	201	202	< 0.2	2.39	6	340	< 0.5	2	0.53	0.5	66	59	478	4.30	< 10	< 1	0.11	10	0.94	975	2
T16609	201	202	< 0.2	2.56	6	420	< 0.5	< 2	0.54	< 0.5	27	66	196	4.18	< 10	< 1	0.15	< 10	0.87	850	1
T16610	201	202	< 0.2	2.09	6	300	< 0.5	< 2	0.39	< 0.5	32	46	66	3.71	< 10	< 1	0.14	10	0.75	900	1
T16611	201	202	< 0.2	3.98	< 2	3270	< 0.5	< 2	1.28	< 0.5	36	85	83	6.05	10	< 1	0.07	< 10	1.69	2110	1
T16612	201	202	0.2	2.07	< 2	300	0.5	< 2	0.76	< 0.5	17	46	89	3.78	< 10	< 1	0.07	< 10	0.44	900	1
T16613	201	202	< 0.2	2.11	2	310	< 0.5	< 2	0.39	< 0.5	15	45	40	3.46	< 10	< 1	0.09	10	0.72	500	1
T16614	201	202	< 0.2	2.67	2	570	< 0.5	< 2	0.81	< 0.5	22	59	49	4.81	10	< 1	0.25	< 10	1.02	1550	2
T16615	201	202	< 0.2	2.86	6	1660	< 0.5	< 2	0.89	< 0.5	22	99	546	4.17	10	1	0.10	< 10	1.16	940	2
T16616	201	202	< 0.2	2.69	< 2	390	< 0.5	< 2	0.99	0.5	21	38	48	4.93	10	< 1	0.17	< 10	0.97	1055	< 1
T16617	201	202	< 0.2	1.90	2	410	< 0.5	< 2	0.65	< 0.5	13	38	36	3.51	< 10	< 1	0.13	10	0.58	580	2
T16618	201	202	< 0.2	2.27	< 2	270	< 0.5	< 2	0.23	< 0.5	9	30	18	3.41	< 10	< 1	0.05	10	0.46	255	1
T16619	201	202	< 0.2	3.54	< 2	580	0.5	< 2	1.24	1.5	55	68	89	6.32	10	< 1	0.14	< 10	1.49	6760	3
T16621	201	202	< 0.2	1.72	8	650	0.5	< 2	0.34	< 0.5	10	31	47	2.58	< 10	< 1	0.18	20	0.50	495	3
T16622	201	202	< 0.2	1.97	8	640	< 0.5	< 2	0.80	0.5	18	39	2680	3.43	< 10	< 1	0.15	10	0.86	495	3
T16623	201	202	< 0.2	2.02	6	420	< 0.5	< 2	0.15	< 0.5	9	35	38	2.67	< 10	< 1	0.07	10	0.51	325	2

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SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
T16558	201	202	0.01	43	930	10	< 2	6	29	0.01	< 10	< 10	51	< 10	104
T16559	201	202	0.03	21	430	2	< 2	8	19	0.04	< 10	< 10	56	< 10	56
T16560	201	202	0.02	17	480	2	< 2	5	25	0.01	< 10	< 10	33	< 10	48
T16586	201	202	< 0.01	25	210	8	< 2	4	10	0.05	< 10	< 10	66	< 10	122
T16587	201	202	0.01	34	430	< 2	2	15	16	0.17	< 10	< 10	165	< 10	1120
T16588	201	202	0.01	28	600	6	4	16	19	0.16	< 10	< 10	143	< 10	252
T16589	201	202	0.01	27	400	2	< 2	12	28	0.18	< 10	< 10	147	< 10	134
T16590	201	202	0.01	39	690	2	4	44	14	0.19	< 10	< 10	192	< 10	208
T16591	201	202	0.01	33	580	8	< 2	10	15	0.09	< 10	< 10	90	< 10	174
T16592	201	202	< 0.01	46	450	14	2	5	10	0.02	< 10	< 10	63	< 10	190
T16593	201	202	0.02	33	760	< 2	6	36	29	0.30	< 10	< 10	213	< 10	148
T16594	201	202	0.03	24	950	2	2	10	20	0.14	< 10	< 10	122	< 10	156
T16595	201	202	0.01	41	840	4	< 2	19	18	0.19	< 10	< 10	132	< 10	390
T16596	201	202	0.02	53	570	2	4	21	18	0.14	< 10	< 10	145	< 10	1050
T16597	201	202	0.01	48	590	6	4	15	18	0.10	< 10	< 10	113	< 10	424
T16598	201	202	0.01	49	830	2	2	47	22	0.11	< 10	< 10	245	< 10	960
T16599	201	202	0.03	16	360	4	< 2	5	15	0.06	< 10	< 10	61	< 10	150
T16600	201	202	0.03	17	280	< 2	< 2	5	13	0.09	< 10	< 10	98	< 10	96
T16601	201	202	0.01	11	540	2	< 2	5	7	0.13	< 10	< 10	142	< 10	104
T16602	201	202	0.01	22	370	6	< 2	4	12	0.17	< 10	< 10	112	< 10	120
T16603	201	202	0.01	10	250	2	< 2	3	9	0.07	< 10	< 10	59	< 10	214
T16604	201	202	0.01	23	210	14	< 2	5	14	0.11	< 10	< 10	82	< 10	208
T16605	201	202	0.01	27	280	10	2	14	16	0.10	< 10	< 10	130	< 10	278
T16606	201	202	0.03	25	340	16	6	10	15	0.06	< 10	< 10	91	< 10	256
T16607	201	202	0.01	32	230	4	2	13	15	0.17	< 10	< 10	160	< 10	168
T16608	201	202	0.01	37	380	8	2	11	17	0.11	< 10	< 10	104	< 10	286
T16609	201	202	0.01	36	380	8	2	9	21	0.10	< 10	< 10	106	< 10	150
T16610	201	202	0.01	28	420	8	2	7	14	0.11	< 10	< 10	90	< 10	148
T16611	201	202	0.01	35	350	< 2	2	17	152	0.26	< 10	< 10	176	< 10	100
T16612	201	202	0.03	27	1450	8	< 2	11	21	0.06	< 10	< 10	88	< 10	108
T16613	201	202	0.01	27	320	8	< 2	6	12	0.10	< 10	< 10	91	< 10	92
T16614	201	202	0.01	31	490	6	2	14	18	0.13	< 10	< 10	128	< 10	138
T16615	201	202	0.01	40	300	4	2	13	18	0.11	< 10	< 10	111	< 10	194
T16616	201	202	0.02	23	340	6	2	9	21	0.13	< 10	< 10	128	< 10	150
T16617	201	202	0.01	23	280	8	< 2	5	17	0.10	< 10	< 10	93	< 10	90
T16618	201	202	0.01	16	210	4	< 2	3	11	0.10	< 10	< 10	99	< 10	82
T16619	201	202	< 0.01	38	340	6	4	18	27	0.17	< 10	< 10	166	< 10	114
T16621	201	202	< 0.01	36	590	14	2	6	26	0.02	< 10	< 10	56	< 10	134
T16622	201	202	0.01	37	700	4	< 2	11	35	0.10	< 10	< 10	81	< 10	404
T16623	201	202	< 0.01	25	120	10	< 2	4	9	0.04	< 10	< 10	69	< 10	76

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T16624	201	202	0.2	2.37	2	340	< 0.5	< 2	0.39	0.5	67	80	4760	11.25	< 10	1	0.08	< 10	0.52	405	< 1
T16625	201	202	< 0.2	2.15	6	880	0.5	< 2	0.86	< 0.5	14	50	177	3.47	< 10	< 1	0.14	10	0.94	665	1
T16626	201	202	< 0.2	2.88	2	1000	< 0.5	< 2	1.15	0.5	102	33	127	6.50	10	< 1	0.24	< 10	1.29	2080	2
T16627	201	202	0.2	1.71	2	730	0.5	< 2	0.41	1.5	17	21	57	2.77	< 10	< 1	0.16	10	0.24	3080	2
T16628	201	202	0.2	1.93	< 2	520	< 0.5	< 2	0.48	0.5	20	37	248	3.73	< 10	< 1	0.11	10	0.49	880	3
T16629	201	202	< 0.2	0.78	10	190	< 0.5	< 2	0.09	< 0.5	4	13	111	2.33	< 10	< 1	0.10	10	0.17	135	3
T16630	201	202	< 0.2	0.89	4	320	< 0.5	< 2	0.15	< 0.5	5	18	30	1.86	< 10	< 1	0.11	20	0.20	185	3
T16631	201	202	< 0.2	1.48	< 2	960	< 0.5	< 2	0.20	0.5	8	19	35	2.28	< 10	< 1	0.11	10	0.26	940	1
T16632	201	202	< 0.2	0.62	6	190	< 0.5	< 2	0.14	0.5	5	14	40	1.81	< 10	< 1	0.10	10	0.08	300	1
T16633	201	202	< 0.2	1.47	6	370	< 0.5	< 2	0.29	< 0.5	7	30	23	2.14	< 10	< 1	0.08	10	0.46	250	1
T16634	201	202	< 0.2	1.90	10	670	0.5	< 2	0.73	1.0	15	44	587	3.16	< 10	< 1	0.27	10	0.78	700	4
T16635	201	202	< 0.2	1.49	< 2	440	< 0.5	< 2	0.40	0.5	11	35	1405	2.76	< 10	1	0.09	10	0.51	295	3
T16636	201	202	< 0.2	1.80	2	280	< 0.5	< 2	0.24	1.0	10	34	27	2.50	< 10	< 1	0.08	10	0.46	320	2
T16637	201	202	< 0.2	1.51	4	300	< 0.5	< 2	0.18	< 0.5	7	27	26	1.91	< 10	< 1	0.06	10	0.46	205	1
T16638	201	202	< 0.2	2.17	10	270	< 0.5	< 2	0.22	< 0.5	11	37	42	2.98	< 10	< 1	0.06	10	0.46	300	2
T16639	201	202	0.2	1.78	8	730	< 0.5	< 2	0.29	0.5	15	37	221	3.64	< 10	< 1	0.08	10	0.56	815	3
T16640	201	202	1.0	1.23	2	630	< 0.5	< 2	0.76	0.5	9	22	1025	2.00	< 10	< 1	0.11	< 10	0.27	240	2
T16641	201	202	< 0.2	1.48	12	450	0.5	< 2	0.45	< 0.5	11	28	142	2.41	< 10	< 1	0.11	20	0.54	425	1
T16642	201	202	< 0.2	1.95	22	260	< 0.5	< 2	0.14	< 0.5	9	40	27	3.34	< 10	< 1	0.07	10	0.65	240	2
T16643	201	202	< 0.2	1.93	14	300	< 0.5	< 2	0.20	< 0.5	8	30	18	2.84	< 10	1	0.04	10	0.39	255	1
T16644	201	202	< 0.2	1.51	8	280	< 0.5	< 2	0.09	< 0.5	9	31	37	3.01	< 10	< 1	0.08	10	0.42	265	2
T16645	201	202	< 0.2	1.77	12	260	< 0.5	< 2	0.23	< 0.5	8	36	19	3.75	< 10	< 1	0.06	10	0.55	255	1
T16646	201	202	< 0.2	1.26	8	180	< 0.5	< 2	0.26	< 0.5	8	25	12	3.07	< 10	< 1	0.08	10	0.38	290	< 1
T16647	201	202	< 0.2	1.84	8	550	< 0.5	< 2	0.56	0.5	15	36	66	3.39	< 10	< 1	0.08	< 10	0.80	465	1
T16648	201	202	0.2	2.35	10	520	0.5	< 2	0.71	0.5	24	49	225	4.62	< 10	< 1	0.08	< 10	0.92	675	1
T16649	201	202	< 0.2	1.99	12	420	< 0.5	< 2	0.44	< 0.5	18	43	804	3.49	< 10	< 1	0.07	10	0.80	525	1
T16650	201	202	< 0.2	1.99	12	390	< 0.5	< 2	0.23	0.5	17	30	131	5.62	< 10	< 1	0.06	10	0.59	490	1
T18634	201	202	0.2	1.97	2	300	< 0.5	< 2	0.38	< 0.5	11	36	38	3.32	< 10	1	0.03	< 10	0.56	455	< 1
T18635	201	202	< 0.2	3.74	2	630	0.5	< 2	0.90	< 0.5	39	65	96	7.98	10	1	0.14	< 10	1.77	4480	< 1
T18636	201	202	< 0.2	1.75	12	640	< 0.5	< 2	0.24	< 0.5	17	37	78	3.66	< 10	< 1	0.11	10	0.56	965	2
T18637	201	202	0.2	1.69	8	800	< 0.5	< 2	0.20	< 0.5	17	27	47	3.55	< 10	< 1	0.17	20	0.50	800	1
T18638	201	202	0.2	1.41	8	700	< 0.5	< 2	1.37	0.5	15	30	1090	2.53	< 10	< 1	0.14	10	0.58	435	1
T18639	201	202	< 0.2	1.65	8	360	< 0.5	< 2	0.15	< 0.5	6	37	20	2.21	< 10	< 1	0.08	10	0.41	155	1
T18640	201	202	< 0.2	1.61	14	220	< 0.5	< 2	0.28	< 0.5	9	34	29	3.05	< 10	< 1	0.08	10	0.53	310	1
T18674	201	202	22.4	0.24	8	370	< 0.5	< 2	0.01	< 0.5	1	11	221	1.52	< 10	< 1	0.01	< 10	0.03	20	6
T18675	201	202	0.2	1.67	8	440	< 0.5	< 2	1.23	1.0	13	35	56	2.98	< 10	< 1	0.21	10	0.94	540	1
T18676	201	202	< 0.2	1.33	8	600	< 0.5	< 2	0.86	0.5	12	37	36	2.49	< 10	< 1	0.12	10	0.80	630	1

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : F.P. ICE
Comments:

Certificate Date: 23-JUN-96
Invoice No. : I9620849
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9620849

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
T16624	201	202	< 0.01	29	530	4	< 2	21	15	0.01	< 10	10	106	< 10	1135
T16625	201	202	0.01	35	340	6	< 2	10	19	0.10	< 10	< 10	79	< 10	122
T16626	201	202	0.03	24	420	< 2	2	29	43	0.26	< 10	< 10	178	< 10	272
T16627	201	202	0.03	27	970	14	< 2	4	19	0.01	< 10	< 10	44	< 10	252
T16628	201	202	0.02	28	530	8	< 2	6	21	0.07	< 10	< 10	80	< 10	174
T16629	201	202	0.01	27	400	10	< 2	2	11	0.01	< 10	< 10	29	< 10	100
T16630	201	202	0.01	13	330	10	< 2	1	12	0.03	< 10	< 10	38	< 10	144
T16631	201	202	0.01	17	520	18	< 2	1	25	0.01	< 10	< 10	36	< 10	340
T16632	201	202	0.03	18	380	6	< 2	1	9	0.03	< 10	< 10	49	< 10	92
T16633	201	202	< 0.01	20	330	8	< 2	3	13	0.06	< 10	< 10	59	< 10	72
T16634	201	202	0.01	55	910	14	2	9	41	0.07	< 10	< 10	72	< 10	160
T16635	201	202	0.03	22	550	6	< 2	7	23	0.04	< 10	< 10	59	< 10	130
T16636	201	202	0.01	21	240	6	< 2	3	13	0.06	< 10	< 10	63	< 10	152
T16637	201	202	0.01	17	240	6	2	3	11	0.05	< 10	< 10	49	< 10	82
T16638	201	202	< 0.01	19	290	12	< 2	4	11	0.09	< 10	< 10	81	< 10	128
T16639	201	202	< 0.01	32	430	10	< 2	6	18	0.06	< 10	< 10	76	< 10	184
T16640	201	202	0.04	20	470	2	< 2	5	23	0.02	< 10	< 10	42	< 10	110
T16641	201	202	0.01	28	420	12	2	5	25	0.04	< 10	< 10	45	< 10	102
T16642	201	202	< 0.01	22	260	8	4	4	10	0.07	< 10	< 10	89	< 10	178
T16643	201	202	< 0.01	13	190	12	< 2	3	11	0.06	< 10	< 10	83	< 10	80
T16644	201	202	< 0.01	29	350	12	< 2	2	12	0.01	< 10	< 10	51	< 10	78
T16645	201	202	< 0.01	17	200	10	< 2	3	9	0.08	< 10	< 10	121	< 10	56
T16646	201	202	< 0.01	15	380	10	< 2	1	9	0.07	< 10	< 10	85	< 10	58
T16647	201	202	< 0.01	24	390	8	< 2	5	17	0.11	< 10	< 10	95	< 10	90
T16648	201	202	< 0.01	35	720	12	< 2	7	25	0.14	< 10	< 10	125	< 10	138
T16649	201	202	< 0.01	31	370	10	< 2	6	15	0.07	< 10	< 10	84	< 10	144
T16650	201	202	< 0.01	19	350	8	< 2	4	14	0.09	< 10	< 10	138	< 10	158
T18634	201	202	0.03	17	1060	< 2	< 2	6	15	0.01	< 10	< 10	100	< 10	90
T18635	201	202	< 0.01	43	600	< 2	< 2	42	20	0.06	< 10	< 10	194	< 10	108
T18636	201	202	< 0.01	30	560	16	< 2	4	13	0.05	< 10	< 10	79	< 10	138
T18637	201	202	0.01	31	890	20	< 2	2	29	0.01	< 10	< 10	49	< 10	246
T18638	201	202	0.03	30	670	8	< 2	6	45	0.04	< 10	< 10	57	< 10	114
T18639	201	202	< 0.01	21	190	8	< 2	2	11	0.05	< 10	< 10	65	< 10	54
T18640	201	202	< 0.01	18	200	12	< 2	3	11	0.08	< 10	< 10	87	< 10	60
T18674	201	202	< 0.01	3	120	12	< 2	< 1	4	0.01	< 10	< 10	21	< 10	36
T18675	201	202	< 0.01	34	1100	14	< 2	6	54	0.08	< 10	< 10	73	< 10	154
T18676	201	202	< 0.01	34	1110	12	< 2	5	43	0.08	< 10	< 10	66	< 10	106

CERTIFICATION: Hart Bichler

APPENDIX VI

REPORTS FROM VANCOUVER PETROGRAPHICS

Vancouver Petrographics Ltd.

8080 GLOVER ROAD, LANGLEY, B.C. V3A 4P9
PHONE (604) 888-1323 • FAX (604) 888-3642

Report # 960741 for:

Doug Eaton,
Expatriate Resources Ltd,.
c/o Archer, Cathro & Associates (1981) Ltd.,
1016 - 510 West Hastings Street,
Vancouver, B.C., V6B 1L6

November 1996

Project: **Ice**

Samples: **IC96-34A 79.9 m, IC96-34B 81.3 m, IC96-34C 92.1 m**

Summary:

Samples are massive sulfides showing a variety of textures, some of which are cryptocrystalline intergrowths suggestive of low-temperature formation. Other, mainly coarser grained textures probably were formed by metamorphic recrystallization (of all minerals) and mobilization (mainly of chalcopyrite, bornite, and quartz). The gangue in chalcopyrite-bearing samples is moderately abundant to abundant and dominated by quartz. In the sample in which Cu-minerals are bornite and digenite, minor gangue is dominated by calcite with much less abundant quartz. It would be valuable to document the textures of these samples with photographs.

Sample IC96-34A 79.9 m is a massive sulfide dominated by pyrite with interstitial patches of bornite which is intergrown with (and possibly replaced by) much less abundant digenite. Intergrowths of pyrite and bornite show a wide variety of textures, in many of which the minerals are intergrown intimately. Sphalerite is concentrated in one main interstitial lens and a few patches. Interstitial gangue minerals are calcite and lesser quartz.

Sample IC96-34B 81.3 m is a massive sulfide dominated by pyrite with interstitial patches dominated by quartz much less abundant chalcopyrite and calcite. The abundances of chalcopyrite and sphalerite in the thin section are not enough to account for the assay values. However, the distribution of chalcopyrite is very irregular, and this section might represent a low-grade part of the assay interval.

Sample IC96-34C 92.1 m is a massive sulfide dominated by pyrite and quartz, with less abundant chalcopyrite and bornite showing a wide variety of textures. These range from cryptocrystalline, massive to locally banded and colloform textures, indicative of low-temperature formation, to very fine to fine grained textures suggestive of recrystallization and remobilization. The distribution of the Cu-bearing minerals is very patchy, with many zones rich in chalcopyrite with zero to minor bornite, and others containing bornite with no chalcopyrite. Less commonly, bornite and chalcopyrite are intergrown coarsely. Sphalerite occurs locally with bornite and chalcopyrite.

John G Payne

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Sample IC96-34A 79.9 m Massive Sulfide: Pyrite-Bornite-Digenite-(Sphalerite) with Sparse Gangue of Calcite-Quartz

The sample is a massive sulfide dominated by pyrite with interstitial patches of bornite which is intergrown with (and possibly replaced by) much less abundant digenite. Intergrowths of pyrite and bornite show a wide variety of textures, in many of which the minerals are intergrown intimately. Sphalerite is concentrated in one main interstitial lens and a few patches. Interstitial gangue minerals are calcite and lesser quartz.

pyrite	75-78%
bornite	10-12
digenite	2- 3
calcite	5- 7
quartz	1- 2
sphalerite	1- 2
chalcopyrite	trace

Pyrite forms massive aggregates of subhedral grains averaging 0.2-0.5 mm in size and a few up to 1 mm across. These are intergrown with patches of granular aggregates of pyrite grains averaging 0.02-0.1 mm in size. Some coarser pyrite grains with relatively inclusion-free cores contain overgrowths of pyrite with moderately abundant, intergrowths of bornite averaging 2-5 microns in size. Massive pyrite aggregates contain only minor interstitial bornite/chalcocite. Granular pyrite aggregates contain moderately abundant interstitial patches of bornite/digenite mainly between 0.02-0.2 mm in size, with a few interstitial patches from 0.5-1 mm across and one patch 3 mm across. A few patches up to 1 mm in size are dominated by pyrite grains averaging 5-10 microns in size with minor to moderately abundant interstitial bornite. Borders of coarser pyrite grains against bornite are mainly subrounded, but a few are euhedral. Several patches up to 0.7 mm across consist of ragged, skeletal patches of pyrite enclosed in much more abundant bornite. A very few pyrite grains up to 0.1 mm across contain one or two growth zones up to 5 microns in width of bornite. A few coarser pyrite grains contain minor inclusions of chalcopyrite averaging 0.01 mm in size.

Intergrown with bornite are lenses and irregular patches of light blue, isotropic digenite. Some lensy textures suggest that the two minerals are in equilibrium and some patchy textures suggest that digenite formed by replacement of bornite during supergene enrichment. The secondary mineral is identified as digenite rather than chalcocite because of its light blue colour. Locally bornite is replaced more strongly to hematite along borders of patches against calcite.

Sphalerite is concentrated strongly in a few lenses up to 3 mm long in which it is interstitial to pyrite. Sphalerite is colourless, and generally is free of inclusions of other minerals.

Calcite forms interstitial patches averaging 0.2-0.8 mm in length and a few from 0.8-1.5 mm long of mainly very fine grains. A few grains are from 0.5-1 mm across; most of these occupy almost all of the interstitial patch in which they occur. Pyrite grains adjacent to calcite commonly have euhedral terminations.

Quartz forms interstitial patches up to 0.7 mm in size of slightly interlocking grains averaging 0.03-0.05 mm in size. In general, calcite and quartz occur in separate interstitial patches, and the rock can be divided roughly into irregular calcite-rich and quartz-rich zones.

Sample IC96-34C 92.1 m   Massive Sulfide: Pyrite-Quartz-Chalcopyrite-Bornite

The sample is dominated by pyrite and quartz, with less abundant chalcopyrite and bornite showing a wide variety of textures. These range from cryptocrystalline, massive to locally banded and colloform textures indicative of low-temperature formation to very fine to fine grained textures suggestive of recrystallization and remobilization. The distribution of the Cu-bearing minerals is very patchy, with many zones rich in chalcopyrite with zero to minor bornite, and others containing bornite with no chalcopyrite. In a few patches bornite and chalcopyrite are intergrown. Sphalerite occurs locally with bornite and chalcopyrite.

pyrite	50-55%
quartz	35-40
chalcopyrite	10-12
bornite	2- 3
sphalerite	minor

Pyrite occurs in a few main textures. It forms disseminated, subhedral grains averaging 0.05-0.2 mm in size with a few up to 0.5 mm across intergrowth with patches of quartz. It occurs in intimate intergrowths with bornite in patches averaging 0.07-0.3 mm in size. In some of these, pyrite appears to have been fractured strongly and replaced by bornite. In some coarser patches of this type (up to 1.5 mm across), minor to moderately abundant chalcopyrite and trace sphalerite occur with bornite in the matrix.

Several patches up to a few mm across consist of extremely intimate intergrowths (1-5 microns) of bornite and/or chalcopyrite in pyrite in massive to locally banded and colloform textures; the latter particularly suggest low-temperature precipitation. In some of the massive aggregates, sphalerite forms scattered grains averaging 0.02-0.03 mm in size.

A few patches up to several mm across are dominated by intimate intergrowths of chalcopyrite and pyrite in a variety of textures and mineral proportions ranging from extremely fine to very fine.

Bornite also forms coarser patches averaging 0.5-1 mm in size along borders between pyrite and quartz and one larger lens 2.5 mm long.

One patch several mm long and a few mm wide has a crudely banded texture as follows:

1) (0.3 mm wide) intimate intergrowth of bornite and pyrite averaging 5-10 microns.
2) (0.2 mm wide) bornite with much less cryptocrystalline pyrite and minor to moderately abundant very fine grained chalcopyrite
3) (1.2 mm wide) chalcopyrite with minor to locally moderately abundant patches of very fine grained bornite.

Adjacent to this patch is another 8 mm long which has similar zoning which is less well defined. As well, the chalcopyrite-rich zone also contains abundant cryptocrystalline to extremely fine grained pyrite inclusions.

A few proximal patches up to 0.6 mm in size consist of intergrowths of pyrite and chalcopyrite with minor bornite. At one end chalcopyrite is dominant, and contains tiny angular fragments of pyrite. Towards the other end, pyrite is more abundant, and the texture is of abundant dendritic to braided veinlets of chalcopyrite cutting pyrite. These patches are included in a coarser grained matrix consisting of coarse intergrowths of bornite and chalcopyrite intergrown with very fine grained quartz.

A few patches of pyrite are cut by braided veinlets and a network of tiny fractures containing patches of each of chalcopyrite, sphalerite, and bornite.

(continued)

Sample IC96-34C 92.1 m (page 2)

Sphalerite occurs as a lens 0.08 mm long with a smaller patch of bornite as an inclusion in a grain of pyrite.

Quartz forms aggregates of grains averaging 0.01-0.03 mm in size and fewer patches averaging 0.03-0.07 mm in grain size. About 2-3% are recrystallized to comb textured aggregates averaging 0.03-0.05 mm thick between pyrite grains. Some coarser grained patches and lenses are intergrown with coarser grained patches of chalcopyrite and bornite; these probably formed by metamorphic recrystallization and remobilization.

Notes regarding the suite of samples:

1. No Cobalt-rich phase was identified. As you suggested, it probably occurs in pyrite.

2. No precious mineral phases were identified.

Sample IC96-34B 81.3 m Massive Sulfide: Pyrite-Chalcopyrite with Gangue of Quartz

The sample is a massive sulfide dominated by pyrite with interstitial patches dominated by quartz much less abundant chalcopyrite and calcite. The abundances of chalcopyrite and sphalerite in the thin section are not enough to account for the assay values. However, the distribution of chalcopyrite is very irregular, and this section might represent a low-grade part of the assay interval.

pyrite	70-75%
quartz	20-25
chalcopyrite	3- 4
calcite	1
sericite	minor
sphalerite	trace

Pyrite forms anhedral to subhedral grains averaging 0.1-0.5 mm in size, with a few grains up to 1 mm across. At one end of the section is a coarser grained patch in which a few pyrite grains average 1-1.5 mm in size. Some grains have euhedral terminations against quartz and chalcopyrite. Finer grained pyrite (0.01-0.05 mm) forms very irregular patches intergrown with extremely fine grained quartz.

Chalcopyrite forms irregular patches averaging 0.05-0.2 mm in size interstitial to pyrite. It also occurs as narrow veinlets in fractures in pyrite grains. In a few larger interstitial patches, chalcopyrite is concentrated moderately to strongly in patches up to 1 mm long with very fine grained quartz.

Quartz forms interstitial patches showing a variety of textures. Much of the quartz forms slightly interlocking grains averaging 0.01-0.02 mm in size. Scattered large interstitial patches up to 2 mm long are of slightly interlocking quartz grains averaging 0.03-0.08 mm in size. About 5-7% of the quartz was recrystallized into comb-textured aggregates averaging 0.05-0.1 mm thick adjacent to pyrite crystal faces. A few larger interstitial patches are of coarser grained quartz or have broad cores of coarser grained quartz averaging 0.1-0.5 mm in size. Associated with some of these are chalcopyrite-rich patches up to 1 mm across.

Calcite forms scattered anhedral grains intergrown with quartz, mainly averaging 0.03-0.1 mm in size, with a few from 0.1-0.4 mm in size. One interstitial patch 2 mm across at one end of the section is dominated by calcite grains averaging 0.1-0.2 mm in size with much less abundant extremely fine grained quartz.

A few interstitial patches up to 0.8 mm long contain moderately abundant to abundant sericite flakes averaging 0.03-0.05 mm long intergrown with extremely fine grained quartz.

Sphalerite forms minor patches and lenses up to 0.12 mm long in a few pyrite grains.

VP
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Report # 960632 for:

Tom Becker,
Archer Cathro & Associates,
1016 - 510 West Hastings Street,
Vancouver, B.C., V6B 1L8 **October, 1996**

copy to:
Lee Pigage, L.C. Pigage Consulting,
2 Rosewood Place, Whitehorse, Yukon, Y1A 4X3

Project:	**Finlayson**	
Property:	**Ice**	
Samples:	**IC96-02:**	**26.90 m, 37.80 m, 45.15 m, 82.70 m**
	IC96-03:	**91.50 m, 120.80 m, 121.10 m**
	IC96-05:	**24.12 m;**
	IC96-06:	**19.60 m, 26.45 m, 90.30 m**
	IC96-07:	**45.20 m;**
	IC96-08:	**22.66 m**

Summary:

A1: Anvil Range Group Basalt

Sample IC96-05 24.12 m is an altered diabase. The freshest part of the rock (at one end) is a massive fine to medium grained diabase composed of lathy plagioclase grains with interstitial clinopyroxene. Much of the rock was more strongly altered; plagioclase is replaced moderately by chlorite and tremolite/actinolite, and clinopyroxene is replaced partly by cryptocrystalline epidote-chlorite. Leucoxene forms abundant interstitial patches after ilmenite. A few amygdules(?) are of chlorite-(epidote). A few veinlets are of chlorite.

Sample IC96-06 90.30 m is a diabase containing fine to medium grained lathy plagioclase intergrown with interstitial fine grained clinopyroxene (augite) and minor leucoxene. Plagioclase is altered moderately to strongly to cryptocrystalline clinozoisite(?). A major vein and replacement zone is dominated by cherty quartz with a few patches of chlorite, one hemispherical patch of quartz, and minor patches of clinozoisite. A few subparallel veinlets are of chlorite. A breccia zone in one corner of the section contains angular fragments of clinopyroxene in a matrix of cryptocrystalline clinozoisite.

Sample IC96-07 45.20 m is a porphyritic basalt. It contains clinozoisite-rich patches and phenocrysts of plagioclase in a groundmass dominated by lathy plagioclase with minor disseminated opaque. Minor spheroidal amygdules are dominated by chlorite; a few also contain quartz or epidote. An irregular replacement patch is of chlorite. A veinlet is of quartz-chlorite-(epidote-opaque). A few veinlets are of chlorite.

A2: Auto-brecciated Anvil Range Group Basalt

Sample IC96-03 91.50 m is a brecciated, altered basalt containing minor phenocrysts of plagioclase and clusters of clinopyroxene(?) in a groundmass dominated by plagioclase, which was replaced strongly by clinozoisite(?) as in Sample IC96-07 42.50 m, with minor clinopyroxene. Veinlets up to 0.25 mm wide are of extremely fine grained sericite with locally abundant seams and patches of one of calcite, chlorite, and epidote. Along the margins of the sample the rock was weathered/altered with the introduction in the groundmass of moderately abundant disseminated patches of dusty hematite.

Sample IC96-02 82.70 m is an altered, auto-brecciated basalt containing rounded to angular fragments up to 2.5 cm in size of basalt with a variable texture. Minor clusters of phenocrysts of plagioclase (altered moderately to chlorite-(sericite)) are set in a groundmass dominated by radiating to subradiating plagioclase spheroids. The groundmass in a few patches is of anhedral plagioclase grains with interstitial, cryptocrystalline clinozoisite and disseminated patches of leucoxene and minor opaque. Most fragments have a rim from 1-1.5 mm in width; many of these contain spheroidal patches of basalt in a matrix of chlorite and cuspate patches of leucoxene. Some are of plagioclase which is less altered to clinozoisite than plagioclase in the cores of the patches. Fragments are set in a variable matrix dominated by chlorite with less abundant quartz, locally abundant clinozoisite, and minor epidote and sphalerite. Late veinlets of calcite occur mainly in the matrix.

Metamorphic grade of the basalt samples based on the assemblages chlorite-epidote/ clinozoisite probably is in the upper greenschist facies.

Stratiform Unit A: Hematite-Pyrite Unit

The rocks were metamorphosed and recrystallized; thus metamorphic textures obscure original textures and make it difficult to determine the original paragenetic sequence. Original pyrite was brecciated and healed by quartz-specular hematite-chlorite. The white mineral is quartz. Late seams are of ankerite. No chalcocite was identified.

Sample IC96-02 37.80 m contains spheroidal to irregular patches of quartz with abundant disseminated plates of specular hematite surrounded by a matrix of chlorite with patches of clinozoisite(?) and seams and veinlets of ankerite. Minor veinlets are of limonite/hematite, locally with minor quartz.

Sample IC96-02 45.15 m contains angular fragments of pyrite enclosed in a sparse groundmass of cryptocrystalline to extremely fine grained quartz and scattered patches of chlorite. One band dominated by cryptocrystalline quartz probably represents an original sedimentary layer. Moderately abundant quartz was recrystallized into comb-textured aggregates against pyrite grains. An irregular, warped vein is of quartz with patches of specular hematite.

Sample IC96-08 19.35 m is dominated by massive pyrite, which was brecciated strongly and fragments healed by a patchy matrix of specular hematite, quartz, and much less abundant chlorite-clinozoisite(?).

Sample IC96-08 22.65 m is dominated by coarse grained pyrite, which was brecciated and fragments healed by a patchy groundmass dominated by quartz, specular hematite, and lesser chlorite. Minor veinlets are of limonite/hematite.

Stratiform Unit B

Sample IC96-03 120.80 m contains fragments of altered andesite flow, mostly dominated by chlorite with lesser relic plagioclase. One is dominated by plagioclase. Chlorite-rich fragments have a thin rind dominated by sub-radiating plagioclase. Interior to this rind are several patches and lenses of chalcopyrite-epidote. A patchy matrix is of fine grained quartz with disseminated patches of dusty hematite and others of chlorite. Pyrite, lesser chalcopyrite, and minor epidote are concentrated in clusters, mainly in quartz. Late patches of quartz and associated quartz veinlets contain minor chalcopyrite and are relatively free of dusty hematite.

Sample IC96-03 121.10 m contains fragments up to a few mm across of strongly altered basalt flow containing minor relic plagioclase grains in a matrix dominated by chlorite. A strongly brecciated seam up to 1.5 mm wide contains fragments of a variety of altered basalt in a matrix of chlorite. The main replacement patches are dominated by quartz and pyrite, with less abundant chlorite, chalcopyrite, epidote, and muscovite/sericite.

Textures suggest that disseminated pyrite in the altered host rocks could be stratiform. However, that in the replacement patches, with a much higher chalcopyrite/pyrite ratio probably was formed by replacement and introduction of copper.

Samples with Secondary Cu minerals

Sample IC96-06 26.45 m is a metamorphosed andesite flow containing minor plagioclase phenocrysts and lathy plagioclase grains in an extremely fine grained groundmass dominated by plagioclase with moderately abundant chlorite and limonite, and minor disseminated native copper and chalcocite. Amygdules are mainly of chlorite and quartz-chlorite, and one is of plagioclase-chlorite-chalcocite. An irregular vein/replacement zone is of plagioclase-chlorite with less abundant epidote. Late veinlets are dominated by limonite and hematite with moderately abundant lenses of native copper. One limonite/hematite seams contains lenses of chlorite.

Sample IC96-06 19.60 m is an extremely fine grained basalt flow dominated by plagioclase with much less abundant chlorite and ilmenite/leucoxene. Several early patches and veinlets are dominated by chlorite with locally abundant sericite and minor patches of quartz and epidote. Abundant, late, complex veins up to a few mm wide are dominated by secondary Cu-minerals (malachite, tenorite, cuprite) and limonite/hematite; some of these have border zones of quartz and one has a lensy core of quartz. In some veins, tenorite surrounds cuprite and probably was formed in part by replacement of cuprite. Malachite probably was the last-formed secondary Cu-mineral.

Sample IC96-02 26.90 m is strongly altered. Patches of quartz-chlorite-ankerite-hematite may represent an early replacement. Some hematite clusters are warped moderately, suggesting that the host rock was folded. Other patches (possibly a later replacement) are dominated by quartz and pyrite with moderately abundant chalcopyrite and minor sphalerite.

Some pyrite grains were fractured moderately to locally very strongly, with chalcopyrite-chalcocite deposited in fractures, and some quartz grains were recrystallized to comb-textured aggregates against pyrite grains. These textures may have formed during a later deformation event. Chalcopyrite was replaced slightly to moderately by chalcocite.

Sample IC96-05 24.12 m **Altered Diabase: Secondary Chlorite-Tremolite/Actinolite; *Veinlets of Chlorite***

The freshest part of the rock (at one end) is a massive fine to medium grained diabase composed of lathy plagioclase grains with interstitial clinopyroxene. Much of the rock was more strongly altered; plagioclase is replaced moderately by chlorite and tremolite/actinolite, and clinopyroxene is replaced partly by cryptocrystalline epidote-chlorite. Leucoxene forms abundant interstitial patches after ilmenite. A few amygdules(?) are of chlorite-(epidote). A few veinlets are of chlorite.

plagioclase	45-50%
clinopyroxene	17-20
epidote-chlorite	20-25 (mainly after clinopyroxene)
leucoxene	3- 4
tremolite	1
opaque	1 (pyrite?)
amygdules(?)	
chlorite	3- 4
epidote	minor
veinlets	
chlorite	0.1

Plagioclase forms subhedral prismatic grains averaging 0.5-1 mm long and a few from 1-1.7 mm long. Alteration is slight to moderate to cryptocrystalline chlorite and clusters of extremely fine to locally very fine grained, fibrous tremolite/actinolite.

Clinopyroxene forms anhedral to subhedral, equant grains averaging 0.1-0.3 mm in size and a few from 0.5-1 mm across; these commonly are interstitial to lathy plagioclase grains. Some are twinned simply.

Patches up to 2 mm in size (possibly secondary after clinopyroxene) consist of cryptocrystalline epidote and much less abundant chlorite.

Leucoxene forms abundant disseminated patches averaging 0.1-0.3 mm in size, probably secondary after original interstitial ilmenite.

Tremolite/actinolite forms disseminated acicular flakes and subradiating clusters of flakes averaging 0.05-0.08 mm long, and locally up to 0.12 mm long, mainly secondary after plagioclase.

Opaque forms disseminated patches up to 0.5 mm in size, many of which consist of subhedral grains averaging 0.03-0.06 mm in size. Commonly adjacent to these are skeletal patches up to 0.8 mm long of opaque intergrown with silicates.

Chlorite forms a few patches up to 1.2 mm in size of extremely fine grained, light to medium green flakes. These may represent primary amygdules. Some contain minor disseminated grains of epidote up to 0.15 mm in size, mainly near their margins.

A few lensy veinlets up to 0.1 mm wide are of extremely fine grained chlorite. In the largest veinlet, many grains are oriented at a moderate to high angle to the walls of the veinlet.

Sample IC96-06 90.30 m **Diabase: Clinozoisite-(Chlorite) Alteration of Plagioclase; Chlorite Amygdules(?); Vein of Chalcedony-Chlorite-Quartz; Veinlets of Chlorite; Breccia Zone**

Fine to medium grained lathy plagioclase is intergrown with interstitial fine grained clinopyroxene (augite) and minor leucoxene. Plagioclase is altered moderately to strongly to cryptocrystalline clinozoisite(?). A major vein and replacement zone is dominated by cherty quartz with a few patches of chlorite, one hemispherical patch of quartz, and minor patches of clinozoisite. A few subparallel veinlets are of chlorite. A breccia zone in one corner of the section contains angular fragments of clinopyroxene in a matrix of cryptocrystalline clinozoisite.

plagioclase	55-60%
clinopyroxene	25-30
leucoxene	3- 4
pyrite	0.2
amygdules(?)	
chlorite	1- 2
main vein	
cherty quartz	4- 5
chlorite	0.5
cryptocrystalline clinozoisite	0.1
radiating quartz	0.1
veinlets	
chlorite	2- 3

Plagioclase forms unoriented lathy grains averaging 0.5-0.8 mm long and a few up to 1 mm long. Alteration is strong to cryptocrystalline clinozoisite(?) and minor to moderately abundant, cryptocrystalline chlorite. In some plagioclase-rich patches up to 2 mm in size, the outlines of original grains are obscured by alteration.

Clinozoisite forms anhedral grains averaging 0.2-0.4 mm in size, commonly interstitial to plagioclase grains.

Ilmenite/leucoxene forms disseminated patches averaging 0.15-0.25 mm in size and a few up to 0.3 mm across. A few skeletal patches of leucoxene are up to 0.7 mm in size.

Pyrite forms a few euhedral grains up to 0.25 mm in size, and a few patches up to 0.2 mm in size of grains averaging 0.02-0.05 mm in size, and a few lenses up to 0.03 mm wide.

Interstitial patches (possibly amygdules) averaging 0.1-0.2 mm in size are of cryptocrystalline to extremely fine grained, medium green chlorite.

A few, proximal irregular vein/replacement zones are dominated by cryptocrystalline to extremely fine grained, cherty quartz. In places the patches appear to be a breccia matrix with very irregular outlines against patches and ragged fragments of host rock. A few small patches are of slightly coarser grained quartz averaging 0.05 mm in grain size. Chlorite forms patches up to 0.6 mm in size of unoriented to radiating flakes up to 0.3 mm long. Cryptocrystalline clinozoisite(?) forms a few seams and patches. A well formed hemispherical patch 0.9 mm in diameter is of radiating quartz grains.

A few veinlets from 0.15-0.3 mm wide are of extremely fine grained, light to medium green chlorite. A few patches up to 1.5 mm in size of similar chlorite probably are related to the veinlets.

In one corner of the sample, the rock was brecciated strongly with angular fragments of clinopyroxene averaging 0.05-0.15 mm in size in a matrix of cryptocrystalline clinozoisite(?).

Sample IC96-07 45.20 m **Porphyritic Basalt; Amygdules: Chlorite-(Quartz-Epidote); Replacement Patches, Veinlets: Chlorite; Vein: Quartz-Chlorite-(Epidote-Opaque)**

Patches containing abundant anhedral grains of clinozoisite(?), and phenocrysts of plagioclase are set in a groundmass dominated by lathy plagioclase with minor disseminated opaque. Minor spheroidal amygdules are dominated by chlorite; a few also contain quartz or epidote. An irregular replacement patch is of chlorite. A veinlet is of quartz-chlorite-(epidote-opaque). A few veinlets are of chlorite.

phenocrysts	
clinozoisite(?)	7- 8%
plagioclase	4- 5
groundmass	
plagioclase	80-83
opaque	2- 3
chlorite	1- 2
leucoxene	0.2
quartz	trace
epidote	trace
amygdules	
chlorite-(quartz-epidote)	1
replacement patches	
chlorite	1- 2
veinlets	
quartz-chlorite-(epidote-opaque)	0.3
chlorite	minor

Several patches up to 1.5 mm in size contains abundant angular clinozoisite(?) grains averaging 0.05-0.1 mm in size, which are intergrown with minor to moderately abundant, prismatic plagioclase grains from 0.2-0.5 mm long. The origin of these patches is uncertain. Clinozoisite(?) is colourless with a refractive index about 1.65-1.68 and birefringence about 0.015. Many grains have moderately to strongly strained extinction.

Plagioclase forms elongate prismatic phenocrysts up to 0.8 mm long and one tabular grain 0.7 mm long. Alteration is slight to moderate to extremely fine grained chlorite.

The groundmass is dominated by lathy plagioclase grains averaging 0.05-0.2 mm long, some of which form sub-radiating clusters. Plagioclase is replaced moderately to strongly by cryptocrystalline clinozoisite(?). Chlorite forms minor cryptocrystalline interstitial grains. Opaque forms disseminated grains averaging 0.01-0.02 mm in size. Leucoxene forms disseminated patches averaging 0.05-0.1 mm in size. Epidote forms disseminated grains averaging 0.02-0.03 mm in size. Quartz forms a few patches up to 0.1 mm across of extremely fine grains.

Spheroidal amygdules averaging 0.1-0.3 mm in size are dominated by chlorite. A few are zoned. Some of the latter have a core of a single epidote grain up to 0.1 mm in size. A few contain a core of quartz-chlorite. A few have rims of quartz and cores of chlorite, some of which are in radiating clusters up to 0.07 mm in size.

A vein up to 0.3 mm wide is dominated by extremely fine grained quartz and chlorite. Epidote forms a few patches of grains up to 0.1 mm in size. A few of these contain a core of an anhedral opaque grain averaging 0.02-0.03 mm in size.

A few veinlets up to 0.02 mm wide are of cryptocrystalline to extremely fine grained chlorite.

One irregular replacement patch 1.5 mm across is of extremely fine grained chlorite.

Sample IC96-03 91.50 m   Brecciated, Altered Basalt; Veinlets of Sericite-(Calcite-Opaque)

Minor phenocrysts of plagioclase and clusters of clinopyroxene(?) are set in a groundmass dominated by plagioclase, which was replaced strongly by clinozoisite(?) as in Sample IC96-07 42.50 m, with minor clinopyroxene. Veinlets up to 0.25 mm wide are of extremely fine grained sericite with locally abundant seams and patches of one of calcite, chlorite, and epidote. Along the margins of the sample the rock was weathered/altered with the introduction in the groundmass of moderately abundant disseminated patches of dusty hematite.

phenocrysts	
plagioclase	1- 2%
clinopyroxene clusters	2- 3
groundmass	
plagioclase	80-85
clinopyroxene	3- 4
hematite	2- 3
replacement patches	
epidote-chlorite	0.5
veinlets	
sericite-calcite-(chlorite-epidote)	4- 5

Plagioclase forms scattered lathy grains up to 0.5 mm in length and a cluster 0.7 mm across of more equant grains up to 0.4 mm long. Alteration is strong to complete to cryptocrystalline sericite.

Clinopyroxene(?) is concentrated strongly in clusters up to 1 mm in size of equant, anhedral grains averaging 0.01-0.03 mm in size. One euhedral, prismatic mafic phenocryst 0.9 mm long (possibly clinopyroxene) was replaced completely by extremely fine grained chlorite, much less abundant patches of sericite(?) and minor patches of leucoxene.

In the groundmass, plagioclase forms lathy grains averaging 0.07-0.15 mm long and a few up to 0.3 mm long, in part in poorly developed, radiating aggregates. Alteration is complete to cryptocrystalline clinozoisite/epidote(?) and sericite, with minor extremely fine grained epidote.

Clinopyroxene(?) forms disseminated equant grains averaging 0.03-0.05 mm in size and a few up to 0.07 mm long. Some have moderately strained extinction.

A few replacement patches up to 0.6 mm in size are of cryptocrystalline to extremely fine grained epidote and or extremely fine grained, pale green chlorite.

Irregular veinlets up to 0.2 mm wide and a few patches up to 0.8 mm across are dominated by extremely fine grained sericite. One vein up to 1 mm wide contains a thin rim of sericite and a core up to 0.7 mm wide of coarse grained calcite. One veinlet contains a seam up to 0.03 mm wide of cryptocrystalline epidote.

A few patches in the weathered/altered zone contain moderately abundant to abundant interstitial patches up to 0.2 mm in size of hematite.

Sample IC96-02 82.70 m **Altered, Auto-Brecciated Basalt; Breccia Matrix of Chlorite-Quartz; Late Calcite Veinlets**

The sample contains rounded to angular fragments up to 2.5 cm in size of basalt with a variable texture. Minor clusters of phenocrysts of plagioclase (altered moderately to chlorite-(sericite)) are set in a groundmass dominated by radiating to subradiating plagioclase spheroids. The groundmass in a few patches is of anhedral plagioclase grains with interstitial, cryptocrystalline clinozoisite and disseminated patches of leucoxene and minor opaque. Most fragments have a rim from 1-1.5 mm in width; many of these contain spheroidal patches of basalt in a matrix of chlorite and cuspate patches of leucoxene. Some are of plagioclase which is less altered to clinozoisite than plagioclase in the cores of the patches. Fragments are set in a variable matrix dominated by chlorite with less abundant quartz, locally abundant clinozoisite, and minor epidote and sphalerite. Late veinlets of calcite occur mainly in the matrix.

fragments	
phenocrysts	
plagioclase	1- 2%
groundmass	
plagioclase	55-60%
clinozoisite	15-20
leucoxene	1- 2
opaque	minor
amygdules	
quartz-chlorite	trace
breccia matrix	
chlorite	10-12
quartz	5- 7
calcite	minor
opaque	trace
late veinlets	
calcite	0.3

Plagioclase forms a few subhedral to euhedral phenocrysts and clusters of several phenocrysts averaging 0.3-0.6 mm in length. Alteration is moderate to strong to extremely fine grained chlorite-(sericite).

In much of the basalt, plagioclase forms poorly to well developed, spheroidal aggregates averaging 0.2-0.4 mm in diameter of radiating aggregates of grains averaging 0.05-0.1 mm in length. In many of these, plagioclase is stained light to medium orange by limonite and probably replaced strongly by cryptocrystalline clinozoisite. Borders of many spheroids are marked by moderately abundant dusty leucoxene(?). In rims of some fragments, alteration of plagioclase to clinozoisite(?) is much less intense than in the cores.

Some patches in the groundmass of the basalt are dominated by plagioclase grains averaging 0.05-0.1 mm in length with interstitial patches of cryptocrystalline plagioclase, chlorite, and leucoxene.

Opaque forms disseminated grains averaging 0.02-0.05 mm in size.

A few spheroidal amygdules average 0.05 mm in size. Some have outer zones of quartz and cores of chlorite.

(continued)

Sample IC96-02 82.70 m (page 2)

Along margins of most fragments of basalt is a zone up to 2 mm wide containing patches of basalt, commonly spheroidal plagioclase, averaging 0.15-0.3 mm in size enclosed in a matrix of cryptocrystalline chlorite. Leucoxene forms moderately abundant, irregular to curved patches averaging 0.07-0.2 mm in size, mainly enclosed in chlorite.

The breccia matrix is variable in texture. Some patches and veinlets contain minor to abundant quartz grains averaging 0.05-0.15 mm in size and a few patches up to 0.5 mm in size of slightly interlocking quartz grains up to 0.25 mm in size enclosed in cryptocrystalline to extremely fine grained chlorite. Some patches contain quartz grains and patches of cherty, extremely fine grained quartz enclosed in a matrix of cryptocrystalline quartz and chlorite. A few patches and veinlike zones are of extremely fine grained intergrowths of chlorite and quartz, with moderately abundant disseminated, cubic opaque grains averaging 0.01-0.02 mm in size.

Some veinlike patches are of extremely fine grained chlorite with abundant seams parallel to the length of the zone of cryptocrystalline clinozoisite. One patch 0.8 mm across contains numerous patches of calcite up to 0.4 mm in size intergrown with chlorite. Epidote forms a few disseminated patches up to 0.2 mm in size; a few of these contain cores up to 0.06 mm in size of colourless sphalerite.

Late veinlets up to 0.07 mm wide are dominated by cryptocrystalline calcite with a few lenses and seams of very fine grained calcite.

Sample IC96-02 37.80 m Stratiform Unit A: Quartz-Specular Hematite-Chlorite-Ankerite

Spheroidal to irregular patches of quartz with abundant disseminated plates of specular hematite are surrounded by a matrix of chlorite with patches of clinozoisite(?) and seams and veinlets of ankerite. Minor veinlets are of limonite/hematite, locally with minor quartz.

quartz	60-65%
hematite	17-20
chlorite	8-10
ankerite	4- 5
clinozoisite(?)	1- 2
pyrite	minor
veinlets	
limonite/hematite-(quartz)	0.5

Spheroidal to irregular patches averaging 0.5-2 mm in size and a few larger zones without any internal structure consist of intergrowths of quartz and specular hematite. Quartz mainly forms aggregates of cryptocrystalline to extremely fine, strongly interlocking grains. A few patches up to a few mm long are of slightly interlocking quartz grains averaging 0.05-0.3 mm in size. A few single quartz grains are up to 0.15 mm in size.

Bright red to opaque specular hematite forms disseminated, slender plates and clusters of a few plates averaging 0.05-0.2 mm in length. A few patches up to 0.4 mm in size are of much finer plates averaging 0.01-0.02 mm in length and interstitial patches of massive hematite. A few equant, opaque grains from 0.05-0.12 mm in size of hematite may be secondary after magnetite.

Interstitial to these are patches dominated by extremely fine grained to cryptocrystalline chlorite, a few of which also contains moderately abundant patches of hematite. A few large interstitial patches contain several patches up to 0.3 mm in size of cryptocrystalline, semi-opaque clinozoisite(?). In some patches, much of the chlorite was removed from the rock, either during weathering or sample preparation.

Ankerite forms cryptocrystalline to extremely fine grained seams and patches, commonly along margins of chlorite-rich patches. Most are stained light orange by limonite, which obscures (among other things) the interference colour of ankerite. A few seams also contain lenses up to 0.05 mm wide of bright red hematite.

Pyrite forms minor disseminated equant grains averaging 0.03-0.05 mm in size. One patch 0.3 mm across contains angular fragments of pyrite up to 0.07 mm in size with minor interstitial chlorite.

A set of subparallel veinlets of limonite/hematite cut across some quartz-rich patches. One veinlet also contains a few patches up to 0.3 mm long of cryptocrystalline quartz.

Sample IC96-02 45.15 m   Stratiform Unit A: Brecciated Pyrite with Interstitial Quartz-(Chlorite); Vein of Quartz-Specular Hematite; Vuggy Veinlets of Quartz

Angular fragments of pyrite are enclosed in a sparse groundmass of cryptocrystalline to extremely fine grained quartz and scattered patches of chlorite. One band dominated by cryptocrystalline quartz probably represents an original sedimentary layer. Moderately abundant quartz was recrystallized into comb-textured aggregates against pyrite grains. An irregular, warped vein is of quartz with patches of specular hematite.

pyrite	65-70%
quartz	
cryptocrystalline	5- 7
extremely fine	15-20
chlorite	1- 2
specular hematite	minor
vein	
quartz	2- 3
specular hematite	0.2

One band up to 1.5 mm wide is dominated by cryptocrystalline quartz with moderately abundant dusty to extremely fine grained hematite, which is concentrated in a few patches up to 0.12 mm in size. This band probably represents a primary sedimentary layer.

Pyrite forms angular fragments averaging 0.005-0.2 mm in size. In a few patches, fragments of pyrite range from dusty to 0.03 mm in size. In many patches, angular fragments were separated only slightly by seams of quartz, and original coarser grains could be reconstructed by removing the quartz and rejoining the fragments. Interstitial to a few dense patches of angular pyrite grains are thin seams of cryptocrystalline, reddish brown hematite.

In much of the rock, quartz forms patches of grains averaging 0.02-0.03 mm in size with lesser patches of grains averaging 0.03-0.05 mm in size and a few of grains up to 0.1 mm in size. It was recrystallized moderately to irregular, comb-textured aggregates of grains averaging 0.05-0.15 mm long, with these grains oriented sub-perpendicular to surfaces of pyrite grains. A few quartz grains are up to 0.3 mm in size.

A few patches up to 1 mm across and a few wispy patches/seams up to 0.05 mm wide and 0.5 mm long are of extremely fine grained, pale olive green chlorite.

Hematite forms a few clusters up to 0.2 mm in size of deep red plates up to 0.05 mm long in quartz.

A discontinuous, moderately warped vein zone up to 0.8 mm wide is of very fine grained quartz with patches up to 0.5 mm in size containing abundant, slender plates of specular hematite up to 0.15 mm long; many of these are in subparallel orientation and are separated by minor groundmass quartz.

A few veinlets up to 0.2 mm wide contain subhedrally to euhedrally terminated quartz grains averaging 0.02 mm long, which extend from the walls of the veinlets into a central cavity.

Sample IC96-03 120.80 m Stratiform Unit B: Strongly Altered Andesite Flow: Chlorite-(Plagioclase); Lenses of Chalcopyrite-Epidote; Replacement Patches: Quartz-Chlorite-Hematite-Pyrite-(Epidote-Chalcopyrite)
Field Name: PYSM

Fragments are of altered andesite flow, mostly dominated by chlorite with lesser relic plagioclase. One is dominated by plagioclase. Chlorite-rich fragments have a thin rind dominated by sub-radiating plagioclase. Interior to this rind are several patches and lenses of chalcopyrite-epidote. A patchy matrix is of fine grained quartz with disseminated patches of dusty hematite and others of chlorite. Pyrite, lesser chalcopyrite, and minor epidote are concentrated in clusters, mainly in quartz. Late patches of quartz and associated quartz veinlets contain minor chalcopyrite and are relatively free of dusty hematite.

rock fragments	
plagioclase	4- 5%
chlorite	12-15
pyrite	2- 3
Ti-oxide	0.3
epidote	0.3
lenses	
chalcopyrite	1
epidote	1
veinlets	
quartz	1- 2
chalcopyrite	minor

replacement (matrix)	
quartz	60-65
chlorite	12-15
hematite	
dense	4- 5
specular	0.3
pyrite	2- 3
chalcopyrite	0.3
epidote	0.1

Relic fragments of the host rock up to 1.5 cm across, probably an andesite flow, contain scattered lathy plagioclase grains averaging 0.05-0.1 mm long and a few irregular to radiating patches of very fine grained plagioclase laths in a groundmass of extremely fine grained chlorite with disseminated patches of cryptocrystalline epidote and Ti-oxide. Along the margins of the large fragments are rinds averaging 0.1-0.2 mm wide of plagioclase grains up to 0.1 mm long, which commonly have a sub-radiating texture and are intergrown with abundant dusty to cryptocrystalline hematite. Just inside the plagioclase-rich rind are a few lenses up to 0.8 mm wide of chalcopyrite intergrown with epidote and much less abundant chlorite and trace pyrite. A few spheroidal amygdules up to 0.15 mm in size have a core of chlorite and an outer zone of quartz.

One fragment on the edge of the section is dominated by extremely fine grained plagioclase, which has a radiating texture outlined by abundant dusty hematite. Chlorite forms minor interstitial patches. In another one smaller fragment, plagioclase forms moderately abundant anhedral grains averaging 0.07-0.15 mm in size intergrown with chlorite. In all these fragments, plagioclase contains abundant dusty hematite.

In much of the rock, quartz forms anhedral grains averaging 0.1-0.5 mm in size. These contain moderately abundant dusty to dense patches of hematite and are intergrown coarsely with irregular patches of chlorite.

Chlorite is concentrated in irregular interstitial patches averaging 0.1-0.5 mm in size of cryptocrystalline, light green grains. Patches commonly are rimmed by dusty to cryptocrystalline hematite (see below).

(continued)

Sample IC96-03 120.80 m (page 2)

Pyrite forms disseminated anhedral to subhedral grains averaging 0.03-0.15 mm in size, which are concentrated strongly in a few patches of chlorite. In these zones chalcopyrite forms minor interstitial patches up to 0.05 mm in size. In quartz, pyrite forms clusters up to 2 mm across of anhedral to subhedral grains averaging 0.2-0.5 mm in size, with a few up to 1.2 mm across. In these patches, chalcopyrite forms anhedral grains averaging 0.03-0.1 mm in size interstitial to pyrite and as minor inclusions in pyrite. Some large pyrite grains are fractured moderately; many of these fractures contain patches of chalcopyrite. A few patches of sulfides, mainly chalcopyrite, are rimmed by very fine grained epidote.

Hematite is concentrated in a few clusters up to 0.3 mm in size as slender plates of specular hematite with high reflectivity averaging 0.02-0.05 mm long and interstitial patches of red-brown, cryptocrystalline material with low reflectivity. Elsewhere, it forms very open to dense patches of intergrown with quartz and bordering chlorite-rich patches. These contain moderately abundant specular hematite flakes averaging 1-3 microns long in a matrix of red-brown, cryptocrystalline hematite.

Quartz forms patches up to several mm across of grains averaging 0.3-0.8 mm in size, which are relatively free of dusty hematite inclusions. These probably are of replacement origin. Some coarser quartz grains contain a few wispy, concentric trains of dusty opaque, which outline growth zones. Interstitial patches among some coarser grained quartz patches consist of aggregates of interlocking quartz grains averaging 0.01 mm in size. Chalcopyrite forms disseminated patches averaging 0.05-0.4 mm in size.

A few late veinlets up to 0.3 mm wide are of very fine grained quartz. Chalcopyrite forms minor patches up to 0.15 mm in size.

Sample IC96-03 121.10 m Fragments of Altered Basalt Flow: Strong Chlorite Alteration; Replacement Patches of Quartz-Pyrite-Chlorite-Epidote-Chalcopyrite); Breccia Seam Quartz-Pyrite Veinlets in Fragments

Fragments up to a few mm across are of strongly altered basalt flow containing minor relic plagioclase grains in a matrix dominated by chlorite. A strongly brecciated zone up to 1.5 mm wide contains fragments of a variety of altered basalt in a matrix of chlorite-pyrite). The main replacement patches are dominated by quartz and pyrite, with less abundant chlorite, chalcopyrite, epidote, and muscovite/sericite.

basalt			
plagioclase	5- 7%	pyrite	3- 4%
chlorite	30-35	Ti-oxide/leucoxene	1
replacement			
quartz	25-30	epidote	1- 2
pyrite	12-15	muscovite/sericite	0.3
chlorite	4- 5	biotite	0.1
chalcopyrite	3- 4		
breccia seam	4- 5	(similar mineralogy to basalt)	

Fragments of altered basalt contain minor to abundant extremely fine grained plagioclase intergrown with and replaced by patches of extremely fine grained chlorite. In some fragments, pyrite forms abundant disseminated grains averaging 0.05-0.1 mm in size and a few up to 0.4 mm across. Ti-oxide/leucoxene forms disseminated, ragged patches averaging 0.02-0.03 mm in size.

In the matrix, quartz occurs in two main textures. In some patches it forms slightly interlocking grains averaging 0.1-0.3 mm in size, and a few up to 0.8 mm across. It was strained moderately, and locally recrystallized slightly to much finer grained aggregates. In other patches it forms interlocking grains averaging 0.02-0.05 mm in size and locally 0.01-0.03 mm in size.

Pyrite is concentrated in irregular patches up to several mm across of grains averaging 0.05-0.5 mm in size and a few up to 2 mm in size. Many grains are fractured moderately. A few patches were granulated strongly to produce a texture with scattered angular fragments averaging 0.1-0.2 mm in size in a matrix of cryptocrystalline to extremely fine grained pyrite intergrown with minor chlorite. In a few patches, chalcopyrite is a minor to major component of the matrix of the granulated pyrite.

Chalcopyrite occurs in fractures in pyrite and in patches up to 2 mm across interstitial to and adjacent to pyrite grains. In quartz, chalcopyrite forms anhedral patches up to 0.4 mm across.

Epidote forms anhedral to subhedral prismatic grains averaging 0.2-0.4 mm long, mainly adjacent to sulfides and in particular associated with and commonly surrounding chalcopyrite.

Intergrown intimately with a few patches of pyrite-chalcopyrite up to 1.5 mm long are slender flakes of muscovite averaging 0.07-0.1 mm long, and patches of epidote and chlorite. One patch 1.5 mm across contains abundant extremely fine grained muscovite/sericite intergrown with plagioclase, and probably formed by replacement of plagioclase.

Biotite forms minor patches adjacent to sulfides up to 0.5 mm in size of radiating cluster of flakes averaging 0.03 mm in diameter. Pleochroism is from pale to light greenish brown.

A few veinlets averaging 0.2-0.3 mm wide are of very fine grained quartz with disseminated subhedral pyrite grains averaging 0.1 mm across concentrated along its centerline. One lens 0.5 mm wide is of fine to medium grained quartz which was strained moderately.

The main breccia band is from 0.3-1.5 mm wide. It contains rounded to subangular fragments averaging 0.1-0.5 mm in size of strongly altered basalt in a matrix of cryptocrystalline chlorite (probably formed by granulation). Pyrite forms moderately abundant disseminated grains averaging 0.02-0.1 mm in size.

Sample IC96-06 26.45 m **Metamorphosed Andesite Flow; Amygdules of Chlorite-Quartz;**
Field Name: MSBS **Disseminated Native Copper and Chalcocite**
Replacement Vein/Patch of Plagioclase-Chlorite-(Epidote);
Early Veinlets of Quartz-(K-feldspar);
Late Veinlets of Limonite-Native Copper.

Minor plagioclase phenocrysts and lathy plagioclase grains are set in an extremely fine grained groundmass dominated by plagioclase with moderately abundant chlorite and limonite, and minor disseminated native copper and chalcocite. Amygdules are mainly of chlorite and quartz-chlorite, and one is of plagioclase-chlorite-chalcocite. An irregular vein/replacement zone is of plagioclase-chlorite with less abundant epidote. Late veinlets are dominated by limonite and hematite with moderately abundant lenses of native copper. One limonite/hematite seams contains lenses of chlorite.

phenocrysts			
plagioclase	0.3%		
groundmass			
plagioclase		limonite	3- 4%
lathy	7- 8	native copper	0.2
anhedral	65-70	ilmenite/leucoxene	0.5
chlorite	5- 7	chalcocite	minor
amygdules			
quartz-chlorite-(plagioclase-chalcocite)	0.7		
replacement patches			
plagioclase-chlorite-epidote	5- 7		
veinlets			
1) quartz-(K-feldspar)	1- 2		
2) limonite/hematite	2- 3		
native copper	1		
3) limonite/hematite-chlorite	0.2		

Plagioclase forms minor euhedral phenocrysts averaging 0.4-0.8 mm in size. Alteration is complete to extremely fine to very fine grained quartz and less abundant extremely fine grained chlorite. It also forms unoriented, lathy grains averaging 0.12-0.2 mm long, with a few up to 0.4 mm long. These also are replaced by extremely fine grained quartz and chlorite. (It is possible that some of these phenocrysts were original hornblende.)

The groundmass is dominated by anhedral, moderately interlocking, equant grains of plagioclase averaging 0.01-0.03 mm in size, intergrown with much less abundant, extremely fine grained chlorite and patches of cryptocrystalline Ti-oxide. Limonite forms disseminated patches up to 0.1 mm in size of cryptocrystalline material.

Ilmenite forms disseminated irregular patches averaging 0.02-0.05 mm in size and a few up to 0.15 mm across of extremely fine grains. It is concentrated moderately to strongly in patches up to 0.8 mm in size in which it forms up to 30% of the patch intergrown with groundmass plagioclase. Leucoxene forms disseminated patches averaging 0.01-0.03 mm in size of cryptocrystalline grains.

Native copper forms disseminated patches averaging 0.02-0.05 mm in size. Chalcocite forms disseminated patches averaging 0.03-0.07 mm in size and a few up to 0.2 mm across.

(continued)

Sample 96-06 26.45 m (page 2)

Amygdules averaging 0.1-0.2 mm in size and a few up to 0.4 mm across are dominated by chlorite and quartz. Many contain rims of quartz and cores of chlorite. A few irregular amygdules up to 0.6 mm long are of very fine grained chlorite. One of these contains a stubby grain of epidote 0.1 mm long. One irregular patch ()possibly an amygdule) up to 2 mm long is of extremely fine grained chlorite with one patch 0.6 mm across of plagioclase altered strongly to chlorite and trace epidote. One amygdule 0.2 mm across consists of about equal amounts of chlorite, plagioclase, and chalcocite.

One very irregular vein or lensy replacement patch up to 2 mm wide is dominated by patches of cryptocrystalline to extremely fine grained plagioclase, others of extremely fine to very fine grained chlorite, in part with radiating textures, and a few ragged patches of very fine grained epidote.

One irregular patch 1.7 mm long contains a core of two plagioclase grains up to 1.5 mm long rimmed by extremely fine grained chlorite and minor sericite.

Early veinlets averaging 0.03-0.06 mm wide and locally up to 0.1 mm wide are of extremely fine to locally very fine grained quartz with local patches of extremely fine grained K-feldspar.

Late veinlets averaging 0.03-0.2 mm wide are dominated by red-brown hematite, with moderately abundant lenses averaging 0.01-0.03 mm wide of native copper, with a few lenses up to 0.05 mm wide and patches up to 0.1 mm across.

Along one late seam of limonite are a few lenses up to 0.3 mm wide of very fine grained chlorite, in which chlorite flakes are in parallel orientation at a moderate angle to the length of the lens.

Sample IC96-08 19.35 m Stratiform Unit A: Brecciated Pyrite; Interstitial Specular Hematite, Quartz, Chlorite-Clinozoisite

The sample is dominated by massive pyrite, which was brecciated strongly and fragments healed by a patchy matrix of specular hematite, quartz, and much less abundant chlorite-clinozoisite(?).

pyrite	65-70%
quartz	12-15
hematite	12-15
chlorite	2- 3
clinozoisite(?)	1
chalcopyrite	trace

Massive pyrite was fragmented into angular fragments averaging 0.1-0.5 mm in size. Some fragments are cut by wispy veinlets of hematite and quartz. Chalcopyrite forms a few inclusions averaging 0.01-0.02 mm in size in one pyrite grain.

In the groundmass, quartz forms interstitial patches up to 1 mm in size of grains averaging 0.03-0.1 mm in grain size and a few from 0.1-0.4 mm across. In several of these, quartz is recrystallized to moderately well developed, comb-textured aggregates oriented perpendicular to pyrite surfaces.

Specular hematite forms patches up to 2 mm in size of clusters of subparallel plates averaging 0.05-0.15 mm in size with minor interstitial quartz.

Patches averaging 0.1-0.3 mm in size are of cryptocrystalline, pale green chlorite and moderately abundant to abundant, disseminated, cryptocrystalline clinozoisite(?).

Sample IC96-08 22.65 m Stratiform Unit A: Pyrite-Specular Hematite-Quartz-Chlorite

Coarse grained pyrite was brecciated, and fragments healed by a patchy groundmass dominated by quartz, specular hematite, and lesser chlorite. Minor veinlets are of limonite/hematite.

pyrite	65-70%
quartz	15-17
specular hematite	10-12
chlorite	4- 5
veinlets	
limonite/hematite	minor

Pyrite forms medium to coarse grains which were fractured moderately to strongly, producing angular fragments averaging 0.1-0.5 mm in size. Some very strongly fractured patches and seams contain angular fragments averaging 0.02-0.03 mm in size.

Quartz forms patches up to 0.7 mm wide of grains averaging 0.03-0.1 mm in size, with a few patches of grains averaging 0.1-0.15 mm in size. Many patches were recrystallized to comb-textured aggregates in which subparallel grains average 0.07-0.15 mm long.

Specular hematite is concentrated in patches up to a few mm across, mainly concentrated in one half of the section. It forms moderately warped, opaque to deep red, subparallel plates averaging 0.05-0.1 mm in size and a few up to 0.3 mm long.

Chlorite is concentrated in patches up to 0.6 mm in size of extremely fine grained, pale greyish green flakes.

Minor late veinlets up to 0.01 mm wide are of limonite/hematite.

Sample IC96-02 26.90 m **Quartz-Pyrite-Chlorite-Chalcopyrite-Hematite Replacement; Chalcocite replacement of Chalcopyrite**

The sample is strongly altered. Patches of quartz-chlorite-ankerite-hematite may represent an early replacement. Some hematite clusters are warped moderately, suggesting that the host rock was folded. Other patches (possibly a later replacement) are dominated by quartz and pyrite with moderately abundant chalcopyrite and minor sphalerite.

Some pyrite grains were fractured moderately to locally very strongly, with chalcopyrite-chalcocite deposited in fractures, and some quartz grains were recrystallized to comb-textured aggregates against pyrite grains. These textures may have formed during a later deformation event. Chalcopyrite was replaced slightly to moderately by chalcocite.

quartz	50-55%
pyrite	20-25
chlorite	15-17
chalcopyrite	3- 4
hematite	1- 2
chalcocite	1
ankerite/limonite	0.5
sphalerite	0.2

Quartz forms patches up to a few mm across of strongly strained grains averaging 0.1-0.2 mm across with strongly sutured grain borders. In places, these were recrystallized to strongly interlocking grains averaging 0.01-0.02 mm in size. Bordering many pyrite grains, quartz forms delicate, curved, comb-textured aggregates averaging 0.1-0.3 mm long oriented perpendicular to pyrite crystal faces.

Chlorite forms ragged patches averaging 0.2-1 mm in size and a few up to several mm long of cryptocrystalline grains. Many patches have a moderate foliation.

Hematite is concentrated in patches averaging 0.1-0.5 mm in size as disseminated plates averaging 0.03-0.08 mm in size, intergrown with both quartz and chlorite. In many patches, clusters of hematite plates have a curved texture, suggesting that the host rock was deformed moderately.

Ankerite/limonite forms wispy seams up to 0.05 mm wide parallel to foliation in chlorite-rich patches.

Pyrite forms anhedral grains ranging widely, with most between 0.05-0.5 mm in size, and a few up to 1 mm across. Many coarser grains are fractured slightly to moderately; some of these contain irregular seams of chalcopyrite along fractures. A few patches up to a few mm across were granulated strongly. These contain minor to abundant interstitial patches of chalcopyrite altered strongly to chalcocite.

Chalcopyrite also forms disseminated patches averaging 0.1-0.3 mm in size, one irregular patch 1.5 mm across, and one discontinuous veinlet 0.2 mm wide. Alteration is slight to moderate along fractures and borders of patches to chalcocite.

Colourless sphalerite forms a few patches from 0.1-0.4 mm in size which are concentrated in a few clusters. They contain inclusions of chalcopyrite averaging 0.02-0.04 mm in size and inclusions of pyrite(?) averaging 1-2 microns in size. The latter cause most of the grains to be opaque in transmitted light.

Sample IC96-06 19.60 m **Basalt Flow; Early Veins, Veinlets of Chlorite-Sericite-(Quartz-Epidote); Abundant Veins, Veinlets of Secondary Cu Minerals (Cuprite, Tenorite, Malachite), Limonite/Hematite, Quartz**

Field Name: MSBS

The sample is an extremely fine grained basalt flow dominated by plagioclase with much less abundant chlorite and ilmenite/leucoxene. Several early patches and veinlets are dominated by chlorite with locally abundant sericite and minor patches of quartz and epidote. Abundant, late, complex veins up to a few mm wide are dominated by secondary Cu-minerals (malachite, tenorite, cuprite) and limonite/hematite; some of these have border zones of quartz and one has a lensy core of quartz. In some veins, tenorite surrounds cuprite and probably was formed in part by replacement of cuprite. Malachite probably was the last-formed secondary Cu-mineral.

plagioclase	70-75%
chlorite	4- 5
ilmenite/leucoxene	1- 2
limonite	1- 2
amygdules	
quartz-chlorite	minor
veins, veinlets	
1) chlorite-sericite-(quartz-epidote)	5- 7
2) limonite/hematite	4- 5
tenorite	2- 3
cuprite	2- 3
malachite	1- 2
quartz	0.3

Plagioclase forms unoriented, lathy grains averaging 0.05-0.08 mm long and a few up to 0.15 mm long. Alteration is complete quartz and minor chlorite. The groundmass is of cryptocrystalline to extremely fine grained plagioclase with minor chlorite and minor to moderately abundant limonite/hematite, which is concentrated moderately to strongly in a few patches and bands.

A few zoned spherical amygdules averaging 0.05-0.07 mm in diameter have rims of quartz and cores of chlorite. A few lenses up to 0.7 mm long are of extremely fine grained quartz and much less abundant chlorite.

Early veinlets up to 0.3 mm wide are dominated by extremely fine to very fine grained, pale yellowish green chlorite. A few also contain patches of extremely fine to very fine grained quartz. One lensy veinlike patch up to 2 mm wide is of extremely fine to cryptocrystalline sericite and chlorite. Epidote forms a patch 0.8 mm across; it is cut by veinlets of chlorite and contains a few patches of hematite. A few lenses up to 0.2 mm wide are of very fine grained epidote and quartz.

(continued)

Sample IC96-06 19.60 m (page 2)

Late veins up to a few mm wide and veinlets are dominated by limonite/hematite with irregular lenses and patches of cuprite-tenorite and others of malachite. In tenorite-cuprite intergrowths, tenorite commonly forms the core of patches and lenses as intergrowths of equant grains averaging 0.02-0.03 mm in size. Elsewhere, tenorite forms spheroidal aggregates averaging 0.1-0.2 mm in size in the cores of the grains. Some zones of limonite/hematite have a relic boxwork texture which suggests that it is secondary after ankerite. Some veins have moderately abundant cavities, which probably represent leached malachite and other more-soluble secondary Cu-minerals or ankerite. A few veins up to 0.15 mm wide are of cuprite.

Cuprite forms lenses up to 0.5 mm long of extremely fine grained aggregates. Surrounding the largest cuprite patch and probably an alteration of cuprite is a patch up to 0.8 mm across of feathery tenorite grains averaging 0.02-0.03 mm in size. Tenorite also forms disseminated, spheroidal aggregates averaging 0.1-0.2 mm in size with radiating textures.

Pyrite forms a few subhedral to euhedral grains averaging 0.02-0.04 mm in size.

Malachite forms spheroidal patches averaging 0.07-0.15 mm in size. Many have a well developed radiating and concentric texture. Many of these have overgrowths of prismatic grains up to 0.03 mm long. Other interstitial patches are of extremely fine grained malachite, in part interstitial to patches of limonite/hematite.

One veinlet dominated by cuprite-tenorite contains a lensy core of very fine grained quartz.

Some veinlets have a thin outer zone of extremely fine grained quartz up to 0.05 mm wide. A few veinlets up to 0.05 mm wide are of quartz.

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November 1996

Project: **Ice**

Samples: **IC96-24:** **54.05 m, 62.97 m, 77.70 m**

Summary:

Sample IC96-24 54.05 m is a cherty siltstone dominated by subrounded fragments of quartz grains and chert averaging 0.05-0.2 mm in size. Minor fragments are of sericite/muscovite. A sparse to moderate groundmass is of cherty quartz, sericite and limonite-stained ankerite. The composition and shape of fragments indicate that the rock is of sedimentary rather than volcanic origin. At one end of the section is the edge of a band of argillite. A replacement patch and related veinlet are of quartz. A few late veinlets are of calcite with minor quartz and/or limonite.

Sample IC96-24 62.98 m is a compositionally banded, cryptocrystalline argillite dominated by plagioclase and much less abundant sericite; the latter is concentrated moderately in a few bands up to 2 mm wide. It was fractured moderately and fractures healed by veinlets and replacement patches of quartz with minor barite and hematite; minor displacement of compositional bands occurs along many fractures. Late veinlets are of limonite/hematite.

Sample IC96-24 77.70 m is a compositionally banded, cryptocrystalline argillite dominated by plagioclase and lesser sericite. The latter is concentrated moderately to strongly in some bands which also contain minor to moderately abundant dusty to extremely fine grained carbonaceous opaque and minor pyrite. The plagioclase-rich layers were brecciated strongly and fragments were partly silicified and healed by early veinlets dominated by quartz with minor dolomite/ankerite, sericite, and chalcopyrite, and a few veinlets of dolomite/ankerite. Later deformation produced brecciation of brittle layers, and contortion and development of tiny kink folds in layers rich in muscovite/sericite and dusty opaque. Late cavities were filled by patches and veinlets of dolomite-kaolinite.

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Sample IC96-24 54.05 m **Cherty Siltstone; Minor Argillite; Quartz-(Calcite) Replacement and Veinlet; Late Calcite-(Limonite-Quartz) Veinlets**

The sample is dominated by subrounded fragments of quartz grains and chert averaging 0.05-0.2 mm in size. Minor fragments are of sericite/muscovite. A sparse to moderate groundmass is of cherty quartz, sericite and limonite-stained ankerite. The composition and shape of fragments indicate that the rock is of sedimentary rather than volcanic origin. At one end of the section is the edge of a band of argillite. A replacement patch and related veinlet are of quartz. A few late veinlets are of calcite with minor quartz and/or limonite.

siltstone		**argillite**	0.5%
fragments		**replacement**	
quartz	30-35%	quartz	4- 5
chert	30-35	calcite	0.2
sericite/muscovite	0.3	**veinlets**	
groundmass		quartz-(calcite)	0.1
cherty quartz	10-12	calcite-(quartz-limonite)	0.7
ankerite	7- 8		
sericite	7- 8		
hematite/leucoxene	minor		
zircon	trace		

Quartz forms single grains averaging 0.05-0.15 mm in size with a few from 0.2-0.3 mm across. Many grains are strained slightly to moderately.

Chert forms fragments averaging 0.07-0.15 mm in size with a few up to 0.3 mm across. They consist of interlocking quartz grains averaging 3-8 microns in size. Some contain minor to moderately abundant, cryptocrystalline to extremely fine grained sericite.

A few fragments averaging 0.1-0.12 mm in size are of cryptocrystalline sericite, probably secondary after plagioclase. A few up to 0.1 mm long are of single flakes or parallel aggregates of flakes of muscovite/sericite.

In the groundmass, cherty quartz forms patches of grains averaging 3-7 microns in grain size. These are gradational texturally into cherty fragments. Ankerite forms patches and seams of grains averaging 0.02-0.05 mm in size which are altered strongly to brown limonite. Sericite forms cryptocrystalline flakes either disseminated iun cherty quartz or concentrated in sericite-rich patches up to 0.15 mm in size. Hematite and leucoxene form disseminated grains averaging 0.02-0.04 mm in size. Zircon forms a few grains averaging 0.02-0.03 mm in size.

A band from 0.5-1 mm wide of extremely fine grained quartz may be of replacement origin. It is associated with and possibly cut by a veinlet 0.2 mm wide of extremely fine grained calcite and lesser quartz, in which the latter is concentrated near the core of the veinlet.

A replacement patch 1.5 mm across is dominated by very fine grained quartz with much less abundant extremely fine grained calcite in patches up to 0.2 mm long in its core. It grades along strike into a discontinuous veinlet of extremely fine grained quartz.

A few veinlets from 0.15-0.4 mm wide consist of very fine grained calcite showing a delicate concentric growth structure. Another discontinuous veinlet 0.03 mm wide is of extremely fine grained calcite. Some of these contain patches up to 0.1 mm in size of limonite.

At one end of the section is the border of a bed of argillite up to 0.6 mm wide. It is dominated by cryptocrystalline sericite with disseminated limonite, with minor subrounded grains of quartz up to 0.05 mm in size.

Sample IC96-24 62.98 m **Fractured, Compositionally Banded Argillite: Quartz Veinlets; Late Limonite/Hematite Veinlets**

The sample is a compositionally banded, cryptocrystalline argillite dominated by plagioclase and much less abundant sericite; the latter is concentrated moderately in a few bands up to 2 mm wide. It was fractured moderately and fractures healed by veinlets and replacement patches of quartz with minor barite and hematite; minor displacement of compositional bands occurs along many fractures. Late veinlets are of limonite/hematite.

plagioclase	70-75%
sericite	15-17
limonite/hematite-(pyrite)	1
quartz	trace
fragment	
chert	minor
veinlets, replacement	
1) quartz-(barite-hematite-muscovite)	4- 5
2) limonite/hematite	1- 2

Plagioclase forms grains averaging 2-5 microns in size. Grain size is too fine for positive identification, and it is possible that some of this material is quartz.

Sericite forms flakes averaging 0.01-0.02 mm long intergrown with plagioclase and concentrated slightly to strongly in a few bands up to 2 mm wide in which it is .

Limonite/hematite forms disseminated patches averaging 0.02-0.07 mm in size and lenses parallel to foliation averaging 0.05-0.15 mm long, with a few up to 0.25 mm long. Some of these contain a core of fresh pyrite up to 0.01 mm in size. Compositional banding (seen well in the hand sample) is defined by moderate variation in the abundance of dusty to cryptocrystalline limonite(?).

One subrounded patch (fragment?) 0.2 mm in diameter is of cryptocrystalline chert.

A few, disseminated grains of quartz averaging 0.02-0.03 mm in size may be detrital.

Quartz forms veinlets of extremely fine grains averaging 0.03-0.07 mm wide. One contains a few anhedral grains of barite up to 0.2 mm long. A few coarser grained veins up to 0.3 mm wide have a lensy central cavity, some of which were filled by dark brown limonite/hematite. A few replacement patches up to 1.2 mm in size are of extremely fine grained quartz. In all of these, quartz contains minor to moderately abundant, dusty hematite. A few quartz-rich replacement patches contain several flakes of muscovite up to 0.05 mm long.

The rock was deformed slightly by kink folding; this is shown best in mica-rich bands, and in many of these layers a weak to moderate, secondary foliation is developed at about 30-70° to the primary foliation (= compositional banding).

Late, in part braided, in part very irregular seams and veinlets averaging 0.02-0.05 mm wide are of deep brown limonite/hematite.

Sample IC96-24 77.70 m **Brecciated Compositionally Banded Argillite: Early Quartz, Dolomite/Ankerite Veins; Late Dolomite-Kaolinite Veins, Breccia Matrix**

The sample is a compositionally banded, cryptocrystalline argillite dominated by plagioclase and lesser sericite. The latter is concentrated moderately to strongly in some bands which also contain minor to moderately abundant dusty to extremely fine grained carbonaceous opaque and minor pyrite. The plagioclase-rich layers were brecciated strongly and fragments were partly silicified and healed by early veinlets dominated by quartz with minor dolomite/ankerite, sericite, and chalcopyrite, and a few veinlets of dolomite/ankerite. Later deformation produced brecciation of brittle layers and contortion and development of tiny kink folds in seams rich in muscovite/sericite and dusty opaque. Late cavities were filled by patches and veinlets of dolomite-kaolinite.

plagioclase	70-73%
sericite	15-17
carbonaceous opaque	0.7
quartz (detrital)	0.2
pyrite	0.2
Ti-oxide	trace
chalcopyrite	trace
replacement patches, veinlets	
early	
1) quartz-(dolomite-sericite-chalcopyrite-pyrite-sphalerite)	8-10
2) dolomite/ankerite-(hematite)	0.7
late	
dolomite-kaolinite	2

Plagioclase forms grains averaging 2-5 microns in size. Grain size is too fine for positive identification, and it is possible that some of this material is quartz.

Sericite forms flakes averaging 0.02-0.03 mm in length. It is concentrated moderately to strongly in some layers, in which it is oriented parallel to foliation. Mica-rich layers contain minor to moderately abundant dusty grains and minor, disseminated, commonly angular grains averaging 0.01-0.025 mm in size of carbonaceous opaque. Some bands contain moderately abundant, rounded to lensy inclusions of cherty quartz averaging 0.1-0.15 mm in size.

In some layers of intermediate composition, quartz forms up to 2% disseminated detrital grains averaging 0.01-0.02 mm in size.

Pyrite forms disseminated anhedral to subhedral grains averaging 0.01-0.015 mm in size and a few from 0.03-0.05 mm across. Many of the finer patches are subrounded and have a framboidal texture of cryptocrystalline grains intergrown with minor non-reflective material.

Ti-oxide forms minor disseminated grains averaging 0.01-0.02 mm in size.

(continued)

The rock was fractured strongly. A few small fractures were filled by cryptocrystalline quartz and some patches were replaced by similar quartz, which was distinguished from groundmass plagioclase mainly because it is free of dusty to extremely fine grained opaque inclusions. This silica may represent an early stage of replacement.

Many fractures were healed by veinlets dominated by extremely fine to very fine grained quartz. Most of the veinlets are from 0.02-0.07 mm in width, and a few coarser grained ones are up to 0.3 mm wide. Related replacement patches up to 1.5 mm in size are of cryptocrystalline to locally very fine grained quartz. A few coarser grained patches and veinlets also contain a few grains of dolomite or ankerite, and a few contain cores of cryptocrystalline sericite. Chalcopyrite forms patches up to 0.05 mm in size in quartz and locally associated with pyrite, and minor inclusions in a few of the largest pyrite grains. Pyrite forms disseminated grains averaging 0.02-0.05 mm in size. Sphalerite forms a colourless grain 0.03 mm long associated with a patch of chalcopyrite and lesser pyrite.

A few early veinlets up to 0.2 mm wide are of extremely fine grained dolomite/ankerite containing disseminated, dusty to cryptocrystalline hematite. These were fragmented during later brecciation.

The rock was deformed strongly with deformation concentrated along sericite-rich layers in the original rock. Movement on these layers and rotation of plagioclase-rich fragments is indicated by truncation of early quartz veins in the latter along the former. Most of the seams contain moderately abundant dusty opaque which accentuates the foliation. Seams were later warped slightly to strongly, probably during late stages of the same deformation, and tightly spaced kink folds were developed in some mica-rich layers.

Late veinlets up to 0.5 mm wide and irregular replacement patches are of subhedral to euhedral very fine grained dolomite, with scattered patches (= central cavities) among the euhedrally terminated crystals filled with cryptocrystalline kaolinite flakes. In one corner of the section the rock was brecciated strongly and healed by abundant extremely fine to very fine grained dolomite, with cores of a few larger patches containing cryptocrystalline kaolinite.

APPENDIX VII

CERTIFICATES OF ANALYSIS
XRF

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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PHONE: 604-984-0221 FAX: 604-984-0218

To: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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Project : ICE-IC 96
Comments:

Page Number : 1
Total Pages : 1
Certificate Date: 12-DEC-96
Invoice No. : I9642286
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9642286

SAMPLE	PREP CODE		Al_2O_3 % XRF	CaO % XRF	Cr_2O_3 % XRF	Fe_2O_3 % XRF	K_2O % XRF	MgO % XRF	MnO % XRF	Na_2O % XRF	P_2O_5 % XRF	SiO_2 % XRF	TiO_2 % XRF	LOI % XRF	TOTAL %	Ba ppm	Rb ppm	Sr ppm	Nb ppm	Zr ppm	Y ppm
N110037	208	226	7.69	0.10	< 0.01	3.41	1.84	0.60	0.05	0.01	0.05	82.74	0.38	2.36	99.23	6050	72	10	6	96	10
N110038	208	226	9.66	2.30	< 0.01	3.37	2.62	0.89	0.17	< 0.01	0.24	74.07	0.66	5.33	99.31	5000	96	18	14	168	20
N110039	208	226	7.74	1.30	< 0.01	3.03	1.91	1.47	0.08	< 0.01	0.14	77.62	0.36	5.55	99.20	4080	78	30	8	84	12
N110040	208	226	11.03	6.16	< 0.01	17.47	0.10	6.75	0.22	2.11	0.13	49.24	1.59	4.82	99.62	90	< 2	52	2	99	28
N110041	208	226	14.92	7.66	0.01	9.10	0.46	5.68	0.14	4.77	0.09	50.53	0.91	4.60	98.87	160	6	96	< 2	51	16

CERTIFICATION: Hart Bichler

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Project : ICE
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Pa[illegible] :1
Tota[illegible] :1
Certificate Date: 20-OCT-96
Invoice No. : I9635213
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9635213

SAMPLE	PREP CODE		Al2O3 % XRF	CaO % XRF	Cr2O3 % XRF	Fe2O3 % XRF	K2O % XRF	MgO % XRF	MnO % XRF	Na2O % XRF	P2O5 % XRF	SiO2 % XRF	TiO2 % XRF	LOI % XRF	TOTAL %	Ba ppm	Rb ppm	Sr ppm	Nb ppm	Zr ppm	Y ppm
N111050	244	--	13.47	6.52	0.01	11.58	0.83	13.69	0.18	1.39	0.11	44.12	1.23	6.52	99.65	155	8	286	2	33	14
N111108	244	--	13.89	7.78	0.01	11.68	0.39	8.73	0.20	2.47	0.09	46.78	1.18	5.81	99.01	155	8	52	< 2	69	28

CERTIFICATION: [illegible]

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Project : ICE
Comments:

Page Number :1
Total Pages :1
Certificate Date: 10-OCT-96
Invoice No. : I9632755
P.O. Number :
Account :MPO

CERTIFICATE OF ANALYSIS A9632755

SAMPLE	PREP CODE		Al_2O_3 % XRF	CaO % XRF	Cr_2O_3 % XRF	Fe_2O_3 % XRF	K_2O % XRF	MgO % XRF	MnO % XRF	Na_2O % XRF	P_2O_5 % XRF
N110292	208	294	13.28	9.07	< 0.01	12.89	0.91	7.18	0.22	3.31	0.11
N110293	208	294	13.08	9.97	< 0.01	12.74	0.33	6.67	0.20	3.07	0.14
N110294	208	294	13.15	7.78	< 0.01	15.22	0.24	6.42	0.23	3.52	0.20

SAMPLE	SiO_2 % XRF	TiO_2 % XRF	LOI % XRF	TOTAL %	Ba ppm	Rb ppm	Sr ppm	Nb ppm	Zr ppm	Y ppm
N110292	48.39	1.43	2.31	99.10	200	18	136	2	63	30
N110293	47.69	1.58	2.98	98.45	405	2	214	2	81	30
N110294	46.01	2.26	3.42	98.45	1495	2	228	4	114	46

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