

**ARCHER, CATHRO**  
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**ASSESSMENT REPORT**

describing

**GEOLOGICAL MAPPING, SOIL GEOCHEMISTRY AND**

**GEOPHYSICAL SURVEYS**

on the

**BUZZER PROPERTY**

Buzzer 1-28 Claims      YB69058-YB69085

Latitude 61°06' N; Longitude 130°25' W

NTS 105G/1

in the

**WATSON LAKE MINING DISTRICT**

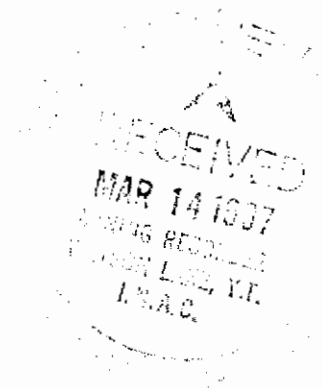
**YUKON TERRITORY**

Prepared by

Archer, Cathro & Associates (1981) Limited

for

**EXPATRIATE RESOURCES LTD.**



**093641**

A. Burgert, B.Sc.  
February, 1997

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 \$ 12,600.

*M. Burk*

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

## TABLE OF CONTENTS

	<u>PAGE</u>
INTRODUCTION .....	1
PROPERTY, LOCATION AND ACCESS .....	2
GEOMORPHOLOGY .....	3
REGIONAL GEOLOGY .....	4
REGIONAL MINERALIZATION .....	8
REGIONAL GEOCHEMISTRY .....	11
REGIONAL GEOPHYSICS .....	13
PROPERTY GEOLOGY AND MINERALIZATION .....	15
PROPERTY GEOCHEMISTRY .....	16
PROPERTY GEOPHYSICS .....	18
CONCLUSIONS AND RECOMMENDATIONS .....	19
SELECTED REFERENCES .....	20

## APPENDICES

- I AUTHOR'S STATEMENT OF QUALIFICATIONS
- II GROUND TOTAL MAGNETIC FIELD AND HLEM SURVEY OF  
PROPERTIES IN THE FINLAYSON ALLOCHTHON, YUKON TERRITORY  
BY M.A. POWER AND C.C. LEE, DECEMBER 6, 1996
- III GPS DATA
- IV CERTIFICATES OF ANALYSIS

## FIGURES

<u>NO.</u>	<u>DESCRIPTION</u>	<u>LOCATION</u>
1	Property Location . . . . .	Following Page 2
2	Claim Location . . . . .	Following Page 2
3	Tectonic Setting . . . . .	Following Page 4
4	Regional Geology . . . . .	Following Page 4
5	Property Geology . . . . .	Following Page 15
6	Sample Location . . . . .	Following Page 16
7	Copper Geochemistry . . . . .	Following Page 16
8	Zinc Geochemistry . . . . .	Following Page 16
9	Molybdenum Geochemistry . . . . .	Following Page 16
10	Compilation . . . . .	Following Page 16

## INTRODUCTION

Expatriate Resources Ltd. has a 100% interest in the Buzzer property which protects a volcanogenic massive sulphide (VMS) target selected using data in an old assessment report and results of a 1961 regional airborne magnetic survey. Twenty-eight claims were staked in fall 1995 to cover a 2.4 km long northwesterly-trending, positive magnetic anomaly.

Field exploration was conducted during summer 1996 by crews working from Expatriate's base camp on Finlayson Lake and from a fly camp on the property. The program consisted of claim surveys, linecutting, geological mapping, grid soil geochemistry and a ground total magnetic field survey. The work was managed by Archer, Cathro & Associates (1981) Limited and compiled by the author. Appendix I contains the Author's Statement of Qualifications.

The main body of this report describes results of the geological mapping and soil geochemistry. Results of the magnetic survey are reported together with those from other Expatriate properties in "Ground Total Magnetic Field and HLEM Survey of Properties in the Finlayson Allochthon, Yukon Territory" by M.A. Power and C.C. Lee dated December 6, 1996, appropriate sections of which are included in Appendix II.

**PROPERTY, LOCATION AND ACCESS**

The property is located in southeastern Yukon at latitude 61°06'N and longitude 130°25'W on NTS map sheet 105G/1 (Figure 1). It is comprised of twenty-eight contiguous mineral claims (Figure 2) 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.

<u>Claim Name</u>	<u>Grant Number</u>	<u>Expiry Date*</u>
Buzzer 1-28	YB69058-YB69085	March 17, 2001

\*Expiry dates include 1996 work filed for assessment credit but not yet accepted.

In 1996 the property was accessed by helicopter from Expatriate's base camp on Finlayson Lake (Km 232 on the Robert Campbell Highway). The property lies 61 km south of the base camp and 250 km east-northeast of Whitehorse. Helicopter support was provided by a Bell 206B Jet Ranger contracted from Kluane Helicopters of Haines Junction. The helicopter was stationed at Expatriate's base camp for the summer. A float-equipped Beaver owned by Kluane Airways Ltd. of Whitehorse transported some supplies from Finlayson Lake to Fire Lake, 5 km north-northwest of the property.

During the 1996 exploration program claim post locations were surveyed using Trimble Geoplotter GPS units. Field readings were corrected using base station data from Westmin Resources Limited's camp at Wolverine Lake. GPS survey data appears in Appendix III.

130°00'

Figure 1

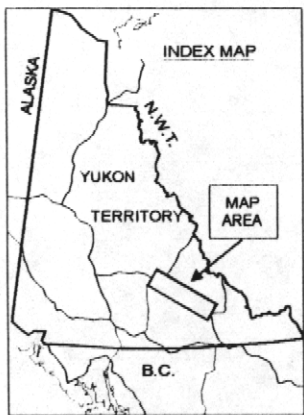
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

# PROPERTY LOCATION

## BUZZER PROPERTY

### EXPATRIATE RESOURCES LTD.

62°00'



ROSS RIVER  
FINLAYSON LAKE FAULT ZONE - NORTHEASTERN LIMIT OF FAVOURABLE ROCKS

TINTINA FAULT ZONE - 450 km RIGHT LATERAL OFFSET

Kudz Ze Kayah Deposit

Wolverine Zone






BUZZER PROPERTY

Robert

Campbell

Hwy.

61°00'

-  Expatriate Resources Ltd.
-  Cominco Ltd.
-  Westmin Resources Ltd. and various joint venture partners
-  Others
-  Native Land Claims



August 26, 1996  
Note: Claim boundaries are approximate  
Expatriate Resources Ltd. does not assume responsibility for errors or omissions

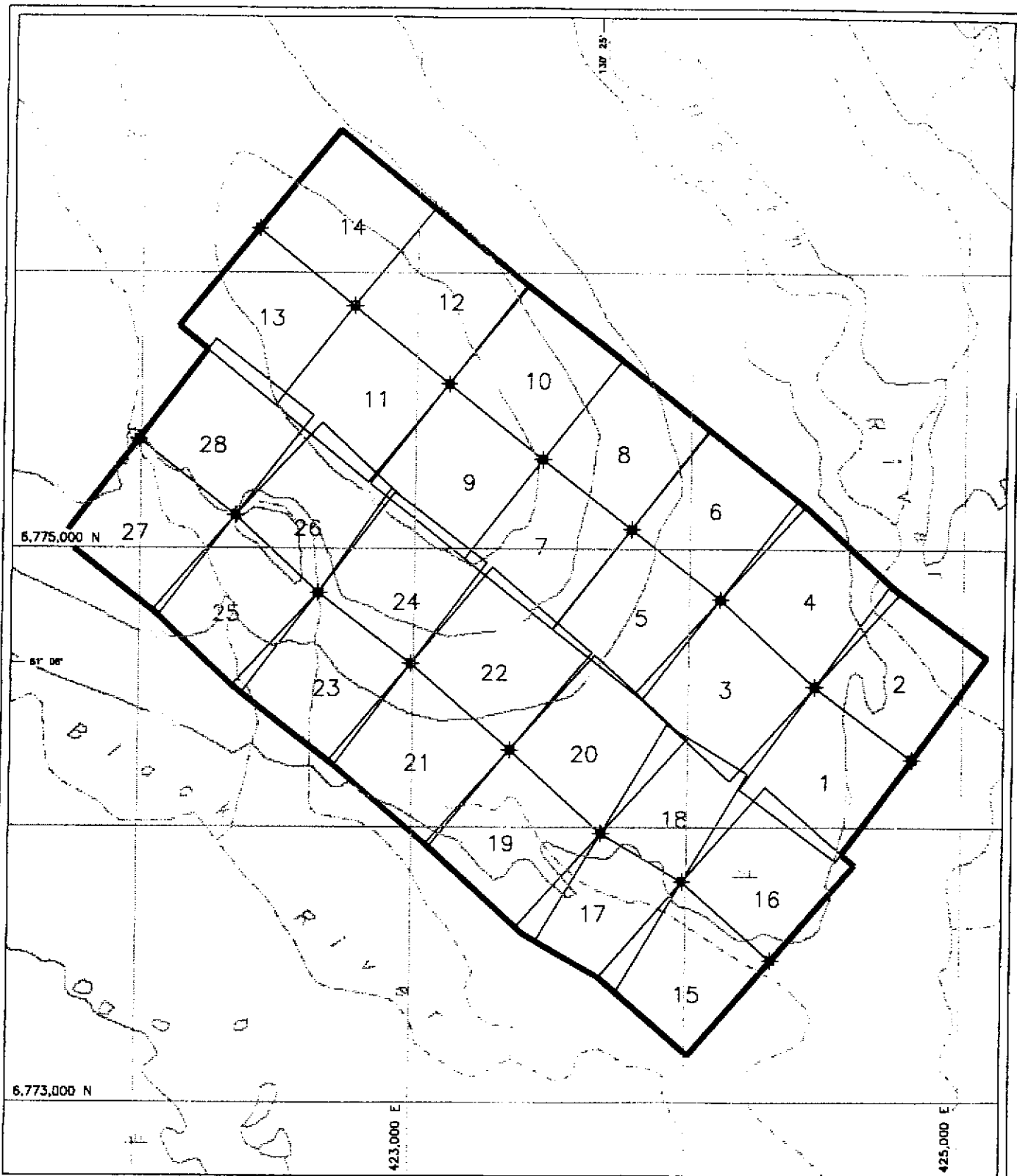


FIGURE 2

Archer, Coitro & Associates (1981) Limited

**CLAIM LOCATION  
BUZZER PROPERTY**

**EXPATRIATE RESOURCES LTD.**

— Claim boundary

- - - Creek, river

○ Lake

~ Swamp

★ Post location with standard GPS fix

⊕ Post location with poor GPS fix

⊕ Post location with no GPS fix

0 100 200 400 600 800 1000 m

SCALE: 1:20,000

FILE: BUZ-CLJ.DWG

DRAWN: AS

PROJ: FP

DATE: 18-FEB-97

### GEOMORPHOLOGY

The Buzzer property is situated 3 km north of the confluence of the North and Black Rivers and straddles a low ridge separating them. The Tintina Trench lies 3 km to the south. Creeks draining the property flow northeasterly into the North River or southerly into the Black River, both of which are part of the Liard River watershed.

Elevations range from 1000 m on the banks of the Black River to 1400 m atop the ridge in the northern part of the claim block. Topographic relief is moderate, typically 10 to 20°, with a few steeper slopes at the higher elevations. The valley bottoms are covered with Pleistocene deposits of glacial till.

Vegetation consists of mature balsam and black spruce in the valleys, giving way to thick buckbrush and willow on the hillsides. Occasional grassy meadows and swamps are scattered across the property.

## REGIONAL GEOLOGY

The Buzzer property is located within the Finlayson Block, a 380 by 60 km area comprised primarily of the Yukon-Tanana and Slide Mountain geologic terranes (Figure 3). 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 Lake Fault Zone a complex zone of steep and shallow faults related to transpressive suturing. The southwestern boundary of the block is the Tintina Fault, 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 Lake area 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) and Mortensen (1992). The following discussion of the regional geology (Figure 4) is based partly on the published work and partly on unpublished mapping completed in 1996 (Tempelman-Kluit, personal communication, 1996).

The Yukon-Tanana Terrane consists 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 Lake area contains three major packages, collectively termed the Layered Metamorphic Sequence. The lowermost unit consists of garnet-mica schist with interbanded marbles, calc-silicates and calcareous schists near the top. The middle unit is a carbonaceous quartzite, schist or phyllite with rare conglomerates and locally extensive felsic and mafic volcanic interbands. Radiometric dating of the felsic metavolcanics in the Finlayson Block has consistently resulted in Late Devonian to Mississippian crystallization ages. Immediately south of Finlayson Lake, large isolated outcrops of marble and quartzite which are poorly dated as Early

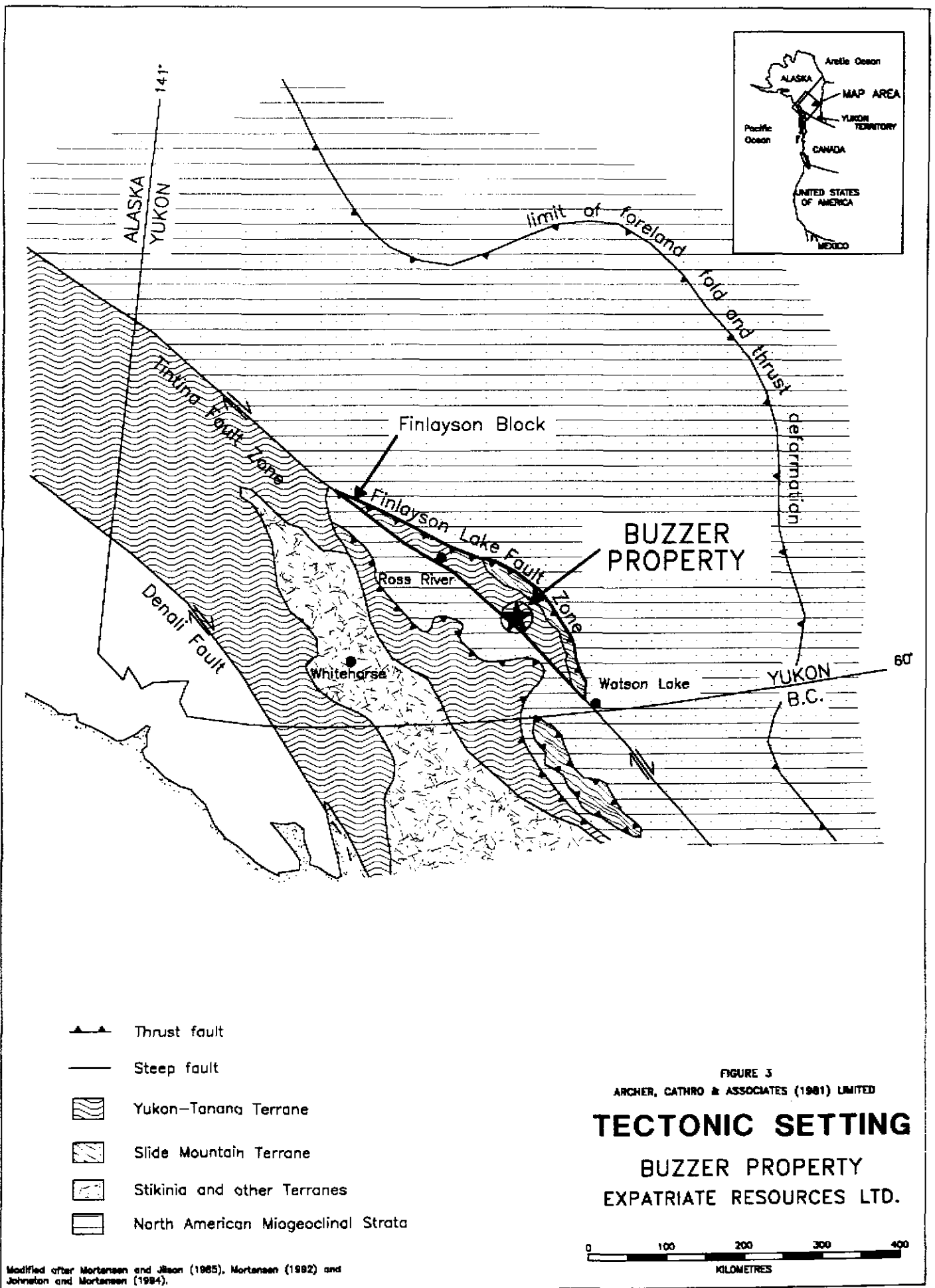


FIGURE 3  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**TECTONIC SETTING**  
**BUZZER PROPERTY**  
 EXPATRIATE RESOURCES LTD.

Modified after Mortensen and Jilka (1985), Mortensen (1982) and Johnston and Mortensen (1984).

130°00'

FIGURE 4

ARCHER, CATHRO &amp; ASSOCIATES (1981) LIMITED

**REGIONAL GEOLOGY**BUZZER PROPERTY  
EXPATRIATE RESOURCES LTD.

82°00'

**North American Miogeoclinal**

Pre-Triassic sedimentary and volcanic

**Slide Mountain Terrane**

Chert, ultramafic, greenstone, metavolcanics, and carbonate rocks

**Yukon-Tanana Terrane**

Paleozoa Metaplutonic Rocks

Paleozoa Layered Metamorphic Sequence

**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.

TINTINA FAULT ZONE - 450 km RIGHT LATERAL OFFSET

**BUZZER  
PROPERTY**

81°00'

Pennsylvanian to Early Permian (Tempelman-Kluit, 1979) form the uppermost unit of the Yukon-Tanana Terrane.

This sequence of units is generally correlative with a similar stratigraphic sequence in ancestral North America (Mortensen and Jilson, 1985; Tempelman-Kluit, personal communication, 1996). The lowermost is correlated with the Lower Cambrian Atan Group and the middle carbonaceous assemblage is correlated with the offshore, Silurian-Devonian Nasina quartzite assemblage. The felsic volcanics are most similar to locally extensive Mississippian siliceous volcanics in the North American stratigraphy. Local calcareous phyllites and massive greenstones near the top of the lower unit are lithologically similar to the Kechika Group and Lower Paleozoic alkalic and potassic greenstones, respectively.

Gneiss and augen gneiss invariably occur low in the Yukon-Tanana succession beneath either the lowermost calcareous unit or the middle carbonaceous unit. Mortensen and Jilson (1985) considered the gneisses to be metamorphosed Mid-Paleozoic plutonic rocks. Conversely Tempelman-Kluit (personal communication, 1996) considers these gneisses to be at least in part recrystallization of earlier stratigraphy. Radiometric dating of the gneisses has consistently resulted in Late Devonian to Mississippian ages (Mortensen, 1992). The gneisses occur in structural culminations with diameters on the order of 10 km and structural relief up to about 1 km.

The Devonian-Mississippian Simpson Suite (Mortensen, 1992) forms thick intervals of hornblende granodiorite and quartz monzonite higher in the Yukon-Tanana stratigraphic sequence. Mortensen and Jilson (1985) interpreted this suite as intrusive. Tempelman-Kluit (1979, 1996) mapped the suite as an allochthonous slice emplaced on top of the structural pile.

Slide Mountain Terrane consists of Late Devonian to Late Triassic disrupted oceanic crust (Mortensen, 1992). Lithologies include massive and sheared greenstone, chert and mafic to ultramafic plutonic rocks occurring as fault-bounded slices along thrust faults and steep faults. These units are most abundant near the northeastern edge of the Finlayson Block but are also found throughout it.

Younger units unconformably overlie units from Slide Mountain, Yukon-Tanana and North American Terranes. Mesozoic clastic rocks are Late Triassic, immature sediments containing cobbles from both Slide Mountain and Yukon-Tanana Terranes. Young volcanic rocks consist of Late Cretaceous to Tertiary felsic volcanic flows and volcanoclastic deposits. They are usually found in close proximity to the Tintina Fault Zone.

Mesozoic intrusive activity in the Finlayson Block includes two suites. The first is comprised of several unmetamorphosed Early Jurassic mafic and intermediate composition plutons. The second suite consists of Late Cretaceous two-mica quartz monzonite and granite (Mortensen and Jilson, 1985).

Structurally Yukon-Tanana schists and gneisses contain a pervasive, flat- to gently-dipping foliation. Close examination of this fabric indicates that it commonly is a closely spaced crenulation cleavage. Large-scale folds related to this fabric can rarely be mapped in the field. In most cases bedding and earlier fabrics are transposed into near parallelism with this dominant fabric. Later crenulation cleavages are present only locally. Some of the Cretaceous intrusions have a mild deformation fabric, others are massive and do not contain a foliation.

Thrust faults within the Finlayson Block juxtapose lithologic sequences with similar deformation fabrics. Thrusting postdates the Late Paleozoic Slide Mountain lithologies and predates the Cretaceous intrusives. Recent mapping also suggests, but does not definitively prove, the presence of major late extensional faults juxtaposing differing sequences (Tempelman-Kluit, personal communication, 1996). East-northeast trending, steep normal faults disrupt all earlier deformation fabrics.

Metamorphic grades range from lower greenschist facies to middle amphibolite facies. Contact hornfels around plutonic units occur locally.

Metamorphism and deformation are tentatively correlated with transpressive suturing of these suspect terranes with ancestral North America. Suturing is restricted to the time interval of post-Triassic continuing into the Cretaceous. Whether deformation is continuous or sporadic has not been fully verified at present.

The discovery of the Kudz Ze Kayah and Wolverine VMS Deposits within the Finlayson Block in the last few years (Johnston and Mortensen, 1994) has refocused exploration activities in the area. Both deposits occur within metasedimentary and metavolcanic sequences of the Yukon-Tanana Terrane and are associated with felsic volcanics present in the middle unit of that terrane.

## REGIONAL MINERALIZATION

A total of fifty-one mineral occurrences have been reported within the Finlayson Block (DIAND, 1995). Of these, twenty-one are known or suspected to be volcanogenic in origin while veins, skarns and asbestos occurrences comprise most of the remainder. Although the better known volcanogenic occurrences are thought to be of the Kuroko-type, some Besshi-type mineralization is also present (Morin, 1981; Johnston and Mortensen, 1994) and the recently discovered Ice Deposit appears to be Cyprus-type. Two occurrences have definite economic potential, the Kudz Ze Kayah and Wolverine Deposits (Figure 4). These Kuroko-type occurrences are the main "type-deposits" for Expatriate's exploration in the district and are briefly described below.

The Kudz Ze Kayah (ABM) Deposit lies within Yukon-Tanana Terrane near the centre of the block (Cominco Exploration, 1995; Whiteway, 1995). It is a VMS deposit hosted by an overturned assemblage of felsic pyroclastics, aphanitic massive rhyolites and metasiliclastic 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 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 somewhat 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 argillites 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. Westmin has traced the deposit 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 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 12 km north-northwest of the property. It is a Besshi-type VMS deposit hosted by chloritic±actinolite±quartz schist belonging 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 of massive to semi-massive sulphide 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 over 7 m while those on the Upper Horizon averaged 1.9% copper, 0.12% copper and 0.53 g/t gold over 13 m (Columbia Gold Mines Ltd., News Release, December 2, 1996). The Middle Horizon is more discontinuous and no averages have been reported for it.

### REGIONAL GEOCHEMISTRY

Published geochemical data for the Finlayson Lake area are limited to reconnaissance scale stream sediment sampling conducted in the late 1980's by the GSC (Hornbrook and Friske, 1988; Friske et al, 1990). The sampling was done at an approximate density of one sample per 10 sq km. Each sample was analyzed for twenty elements including common indicator elements for VMS deposits such as copper, lead, zinc, silver and arsenic. Anomalous results were obtained from creeks draining some previously known VMS occurrences (DIAND, 1995, Yukon Minfile 105G/32, 34 and 40) but many others, including the streams draining the Wolverine Deposit, produced near background values. Anomalous results were also obtained from several drainages where there were no known mineral occurrences. Follow-up exploration has since located showings in many of the anomalous creeks with the most significant discovery to date being the Kudz Ze Kayah Deposit.

Expatriate was able to supplement the published reports with private data summarizing results of 1973 exploration managed by Archer Cathro on behalf of a joint venture (Cathro, 1973). The reconnaissance prospecting and geochemical sampling program explored for lead-zinc mineralization in the lower unit of the Layered Metamorphic Sequence but because the data provides relatively uniform coverage over the entire region, it is also suitable for evaluating areas underlain by the favourable middle unit. The Archer Cathro samples included approximately 5000 soils and stream sediments collected at a density of approximately one sample per sq km. They were all analyzed for lead, zinc, copper and molybdenum. As might be expected, this closer spaced sampling outlined many more areas of anomalous geochemical response than the

government survey. Almost all of the known volcanogenic occurrences showed up as anomalies on this survey, including Kudz Ze Kayah and Wolverine.

The following table illustrates regional geochemical backgrounds for the metals and anomalous thresholds used for target selection.

**GEOCHEMICAL BACKGROUNDS AND ANOMALOUS THRESHOLDS**

	<u>Background</u>	<u>Anomalous Thresholds (ppm)</u>			<u>Peak Value</u>
		<u>Weak</u>	<u>Moderate</u>	<u>Strong</u>	
Copper	25	50	100	200	1720
Lead	30	50	100	200	>4000
Zinc	80	200	500	1000	>4000
Molybdenum	<1	2	5	10	65

Copper, lead and zinc are major metals in most VMS occurrences in the Finlayson Lake area and are obvious indicator elements. Molybdenum is present in anomalous quantities in the banded iron formation overlying the Wolverine Deposit (Meade, personal communication, 1995) and appears to be slightly enriched in the felsic metavolcanic rocks. Based on the geochemical signature in the vicinity of known occurrences its presence can be used to distinguish copper anomalies associated with volcanogenic mineralization from those derived from ultramafic rocks.

There is no regional geochemical data for the Buzzer property because it lies outside the area covered by the 1973 geochemical survey and streams draining the property were not sampled by the GSC.

## REGIONAL GEOPHYSICS

The only published geophysical data for the Finlayson Lake area resulted from airborne magnetic surveys conducted in 1961 by the GSC on behalf of the Department of Mines and Technical Surveys. The surveys were flown with fixed-wing aircraft at a nominal elevation of 300 m above ground level on east-west lines spaced approximately 1.6 km apart. Results are presented on a 1:250,000 scale map (DMTS, 1961) and in more detail on a series of 1:50,000 maps.

The largest, most intense areas of positive magnetic response are associated with obducted ultramafic rocks belonging to the Slide Mountain Terrane. Within the Campbell Range Belt where dips are usually moderate to steep, the anomalies are narrow and elongate while in the remainder of the block where the ultramafic rocks occur along shallowly-dipping thrust faults, they are much broader.

A series of secondary positive anomalies was also recorded over Yukon-Tanana rocks but until recently they had no obvious explanation. Prospecting and mapping have now shown that magnetite occurs locally within schists of the middle unit of the Layered Metamorphic Sequence. The greatest documented concentration of magnetite is found in the hanging wall of the Wolverine Deposit where it forms several thin horizons approximately 80 m up-section from the massive sulphide mineralization. Magnetite is also a significant constituent of the mineralization at Kudz Ze Kayah and Fyre Lake Deposits.

The Buzzer property was staked over a strong, linear aeromagnetic anomaly 2.4 km in length. The magnitude of the anomaly with respect to the surrounding area is of 270 gammas, a significant contrast compared to response elsewhere in the district. This anomaly is directly along strike from anomalies associated with the Fyre Lake Deposit.

### PROPERTY GEOLOGY AND MINERALIZATION

Bedrock exposure is generally poor, with all mapped outcrops occurring on the steeper slopes in the western part of the claim block. Property geology is shown on Figure 5 while the two main rock types occurring on the property are described below. The first belongs to the Mesozoic Plutonic Suite while the other is part of the Paleozoic Layered Metamorphic Sequence.

Muscovite=biotite granite is found in the northwestern corner of the property. It is medium to coarsely crystalline and weakly foliated. Contacts between the intrusion and adjacent quartzite are subparallel to foliation. Interbanding of the two rock types occurs in an interval at least 50 m thick along the contact but no hornfelsing was observed in the quartzite.

Quartzite varies from thickly bedded to thinly laminated. Compositional layering is marked by variations in colour. Locally muscovite is abundant enough to consider the unit a quartz-muscovite schist. Foliation surfaces often exhibit patchy surface coatings of orange-brown limonite or deep red-brown hematite. The quartzite is generally medium grey and slightly to moderately carbonaceous. One outcrop within the quartzite consists of a platy, thin-bedded, tan-weathering, dolomitic siltstone. This unit could not be traced along strike.

Mapping done in the area in 1966 (Philip, 1967) reported the presence of a dark green chlorite schist, in places containing considerable crystalline magnetite, but this rock type was not relocated in 1996.

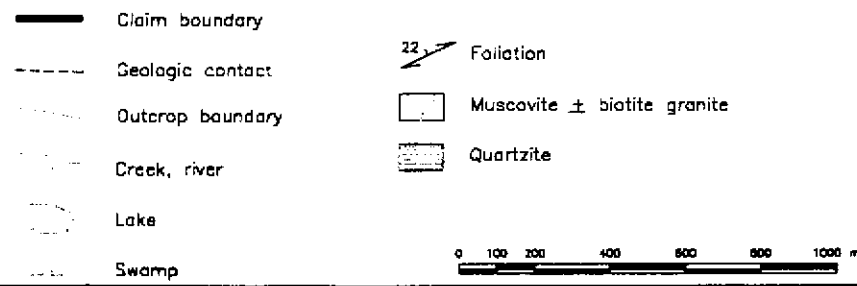


FIGURE 5  
 Archer, Cathro & Associates (1981) Limited

**PROPERTY GEOLOGY**  
**BUZZER PROPERTY**  
**EXPATRIATE RESOURCES LTD.**

SCALE: 1:20,000	FILE: BUZ-GEOL.DWG
DRAWN: AB	PROJ: FP
DATE: 16-FEB-87	

### PROPERTY GEOCHEMISTRY

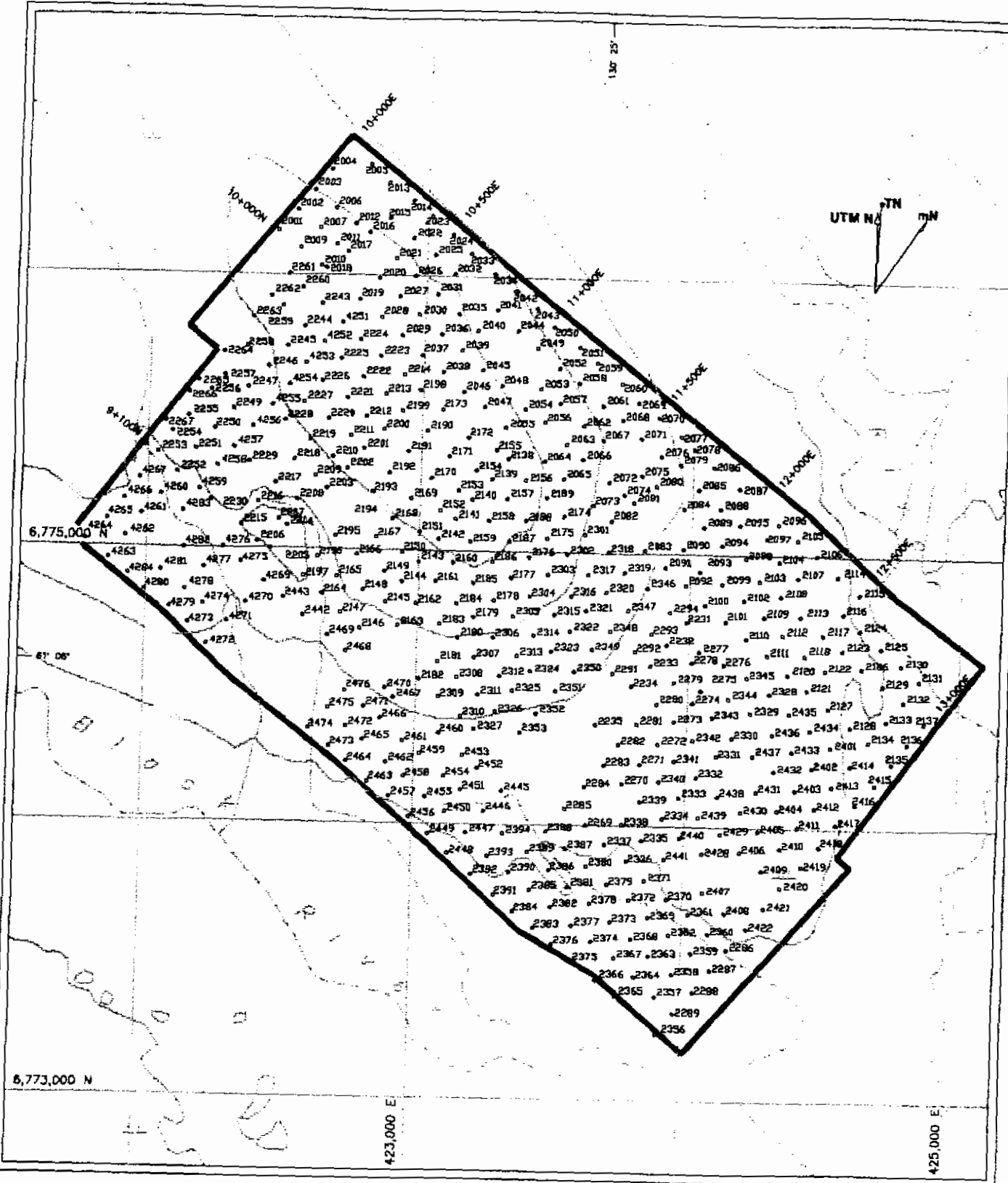
Grid soil sampling was carried out at 100 m intervals along the lines spaced 100 m apart using a cut baseline for control. Sample locations were marked with 0.5 m wooden lath bearing aluminum tags inscribed with sample numbers and grid coordinates. Figure 6 shows sample locations.

The samples were sent Chemex Labs Ltd. in North Vancouver where they were screened to -80 mesh, digested in nitric-aqua regia and geochemically analyzed for 32 elements using the Induced Coupled Plasma (ICP) technique. Certificates of Analysis are listed in Appendix IV. Results for copper, zinc and molybdenum are plotted on Figures 7 to 9 while anomalous thresholds and peak values for six indicator elements are as follows.

<u>Element</u>	<u>Threshold Values (ppm)</u>				<u>Peak Value</u>
	<u>Weak</u>	<u>Moderate</u>	<u>Strong</u>	<u>Extreme</u>	
Copper	50	100	200	NA*	289
Zinc	200	500	NA*	NA*	602
Lead	50	NA*	NA*	NA*	62
Silver	1	2	NA*	NA*	2.2
Molybdenum	2	5	10	20	38
Cobalt	30	50	NA*	NA*	56

\*NA = not applicable because property values did not reach regional threshold.

Two multi-element soil anomalies were outlined. The largest is 1300 m long by 300 m wide and trends southward, oblique to topography. The trend approximately parallels foliation and the intrusive contact. The anomaly exhibits weak to moderate copper and zinc response plus scattered anomalous values for silver and molybdenum. The northern end of the anomaly lies about 100 m downslope from the centre of the aeromagnetic anomaly, as shown on Figure 10.



••••• Sample location with number  
 All sample numbers prefixed with BB

- Claim boundary
- ~ Creek, river
- Lake
- Swamp

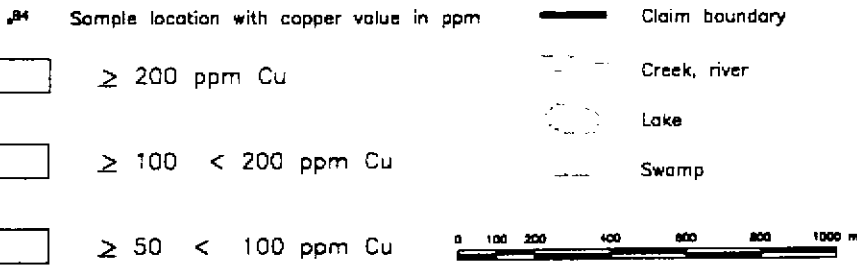
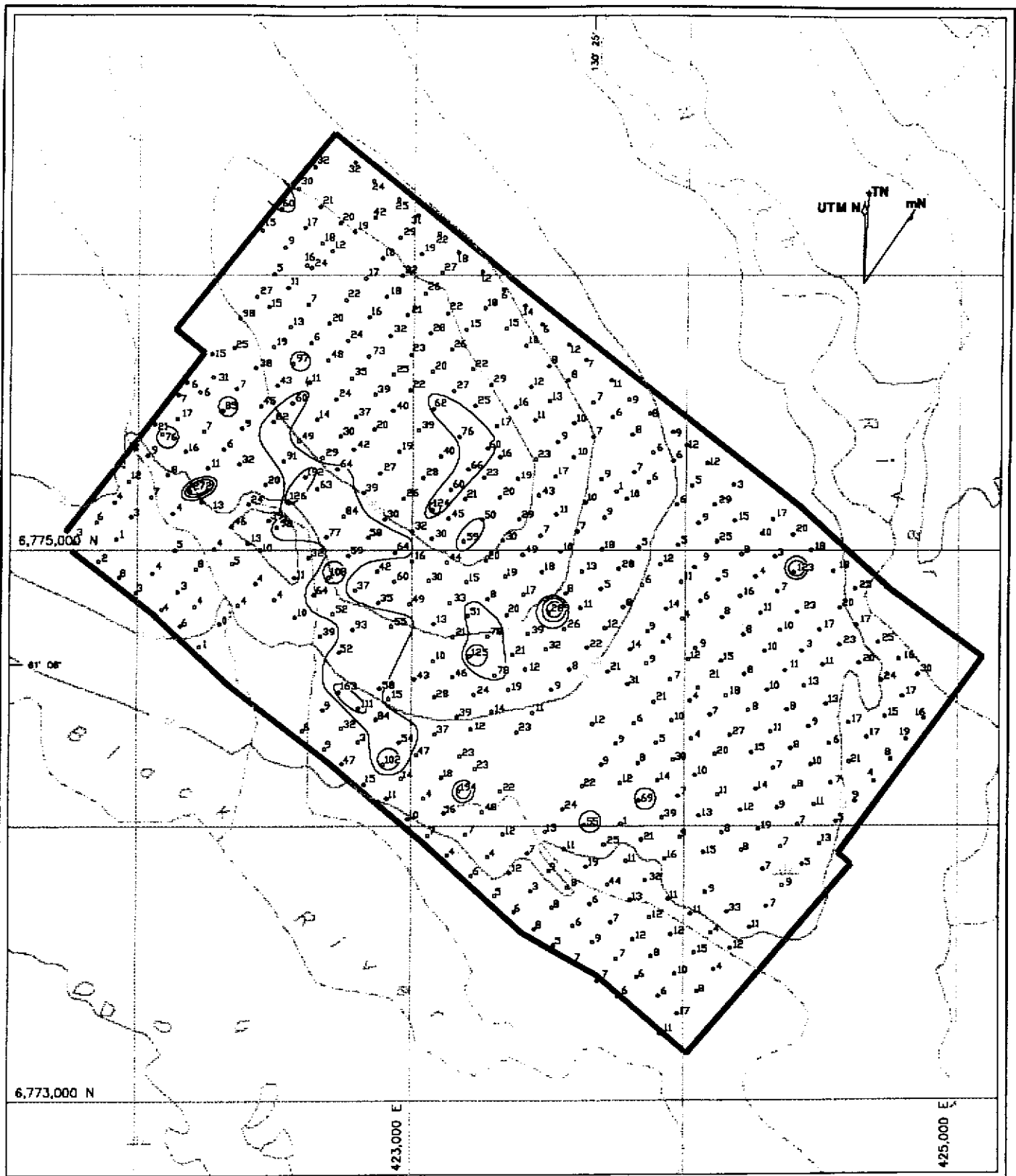


FIGURE 6  
 Archer, Cathro & Associates (1981) Limited

## SAMPLE LOCATION BUZZER PROPERTY

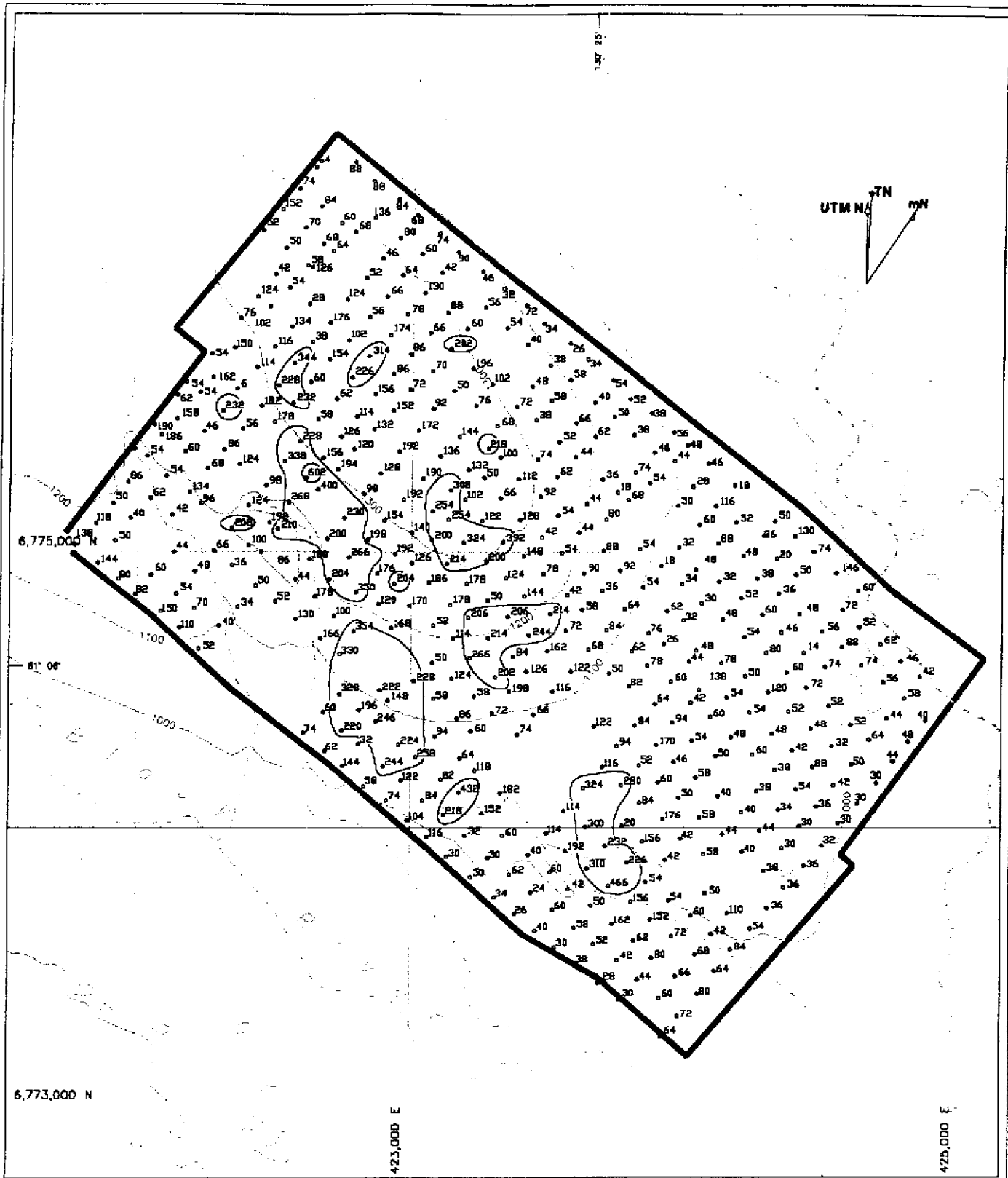
### EXPATRIATE RESOURCES LTD.

SCALE: 1:20,000	FILE: BUZ-SNO.DWG
DRAWN: AB	PROJ: FP
	DATE: 16-FEB-87



**FIGURE 7**  
 Archer, Cathro & Associates (1981) Limited  
**COPPER GEOCHEMISTRY**  
**BUZZER PROPERTY**  
**EXPATRIATE RESOURCES LTD.**

SCALE: 1:20,000    FILE: BUZ-CU.DWG  
 DRAWN: AB    PROJ: FP    DATE: 18-FEB-87



• Sample location with zinc value in ppm

— Claim boundary

□  $\geq 500$  ppm Zn

--- Creek, river

□ Lake

□  $\geq 200 < 500$  ppm Zn

□ Swamp

0 100 200 400 600 800 1000 m

FIGURE 8

Archer, Cathro & Associates (1981) Limited

**ZINC GEOCHEMISTRY**

**BUZZER PROPERTY**

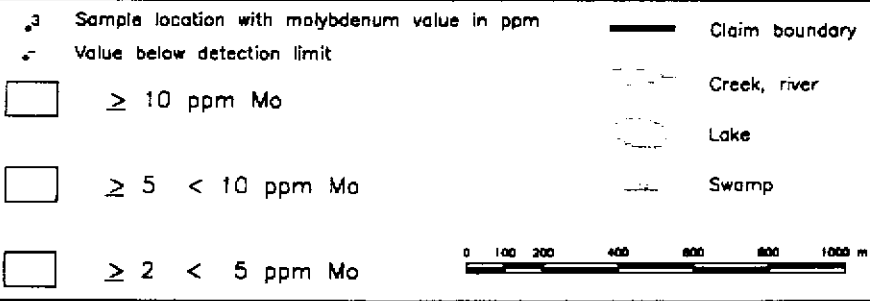
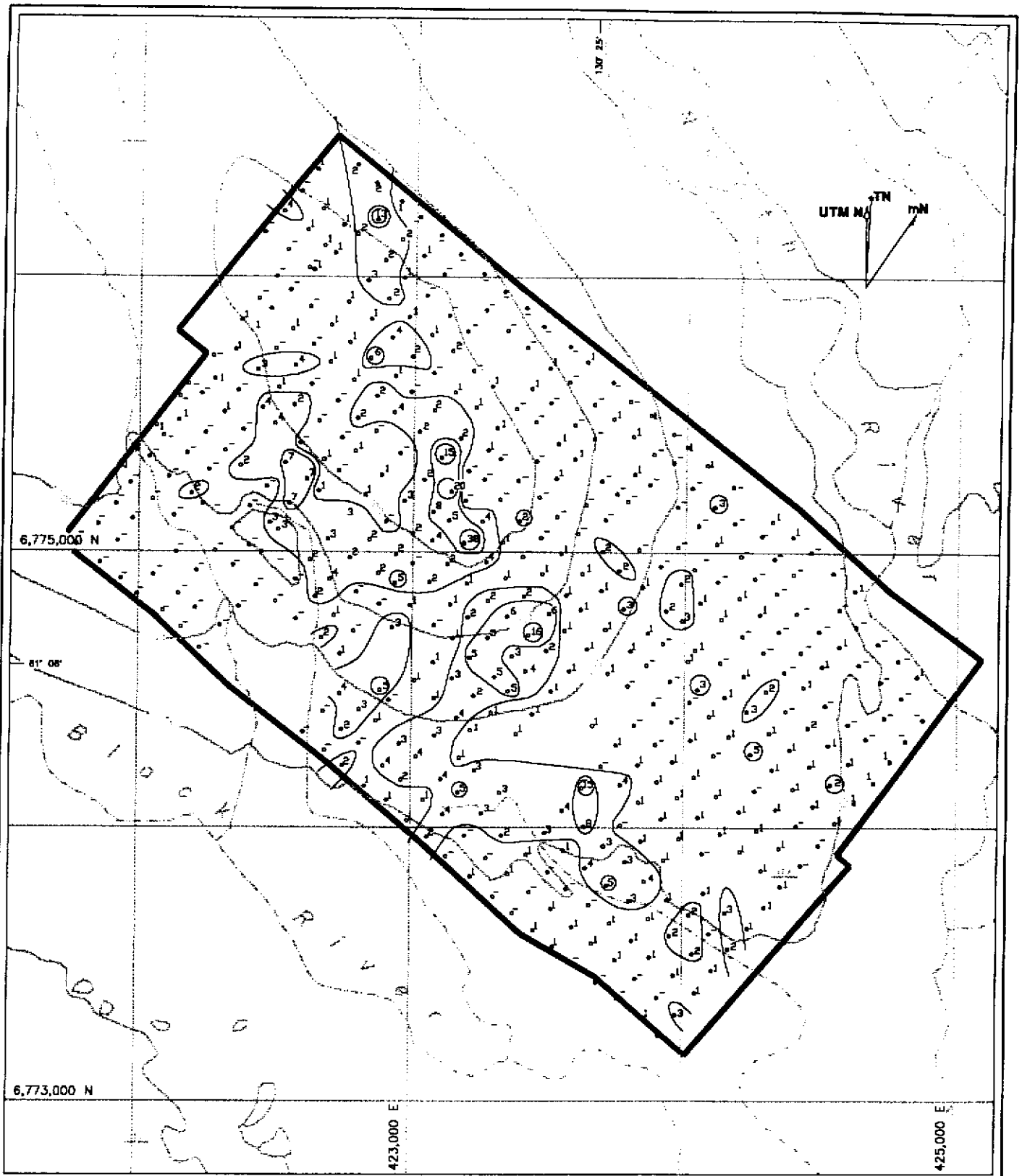
**EXPATRIATE RESOURCES LTD.**

SCALE: 1:20,000 FILE: BUZ-ZN.DWG

DRAWN: AB

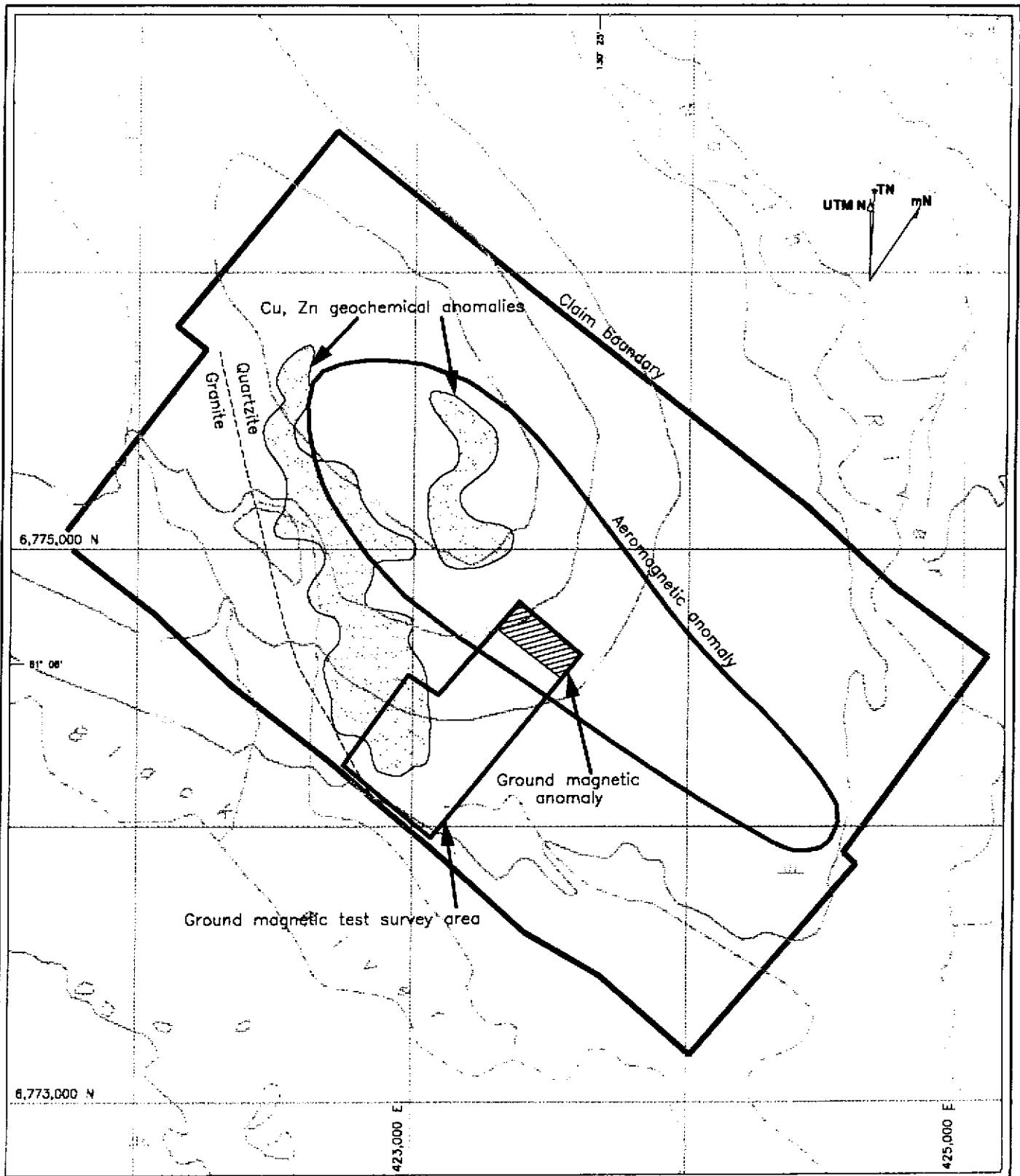
PROJ: FP

DATE: 18-FEB-87



**FIGURE 9**  
 Archer, Cathro & Associates (1981) Limited  
**MOLYBDENUM GEOCHEMISTRY**  
**BUZZER PROPERTY**  
**EXPATRIATE RESOURCES LTD.**

SCALE: 1:20,000	FILE: BUZ-MO.DWG
DRAWN: AB	PROJ: FP
DATE: 18-FEB-87	



- Claim boundary
- Geologic contact
- Creek, river
- Lake
- Swamp



FIGURE 10  
 Archer, Cathra & Associates (1981) Limited

**COMPILATION  
 BUZZER PROPERTY**

**EXPATRIATE RESOURCES LTD.**

SCALE: 1:20,000	FILE: BUZ-COMP.DWG
DRAWN: AB	DATE: 16-FEB-97

The second anomaly is situated on the crest of a hill. It measures 700 by 100 m and coincides with the axis of the aeromagnetic anomaly. Copper and zinc values are relatively weak but molybdenum response is extremely strong in some samples. The highest cobalt value on the grid came from the centre of this anomaly.

**PROPERTY GEOPHYSICS**

A ground magnetometer survey conducted in 1966 (Philip, 1967) delineated a series of northwesterly-trending anomalies of up to 800 gammas coinciding with the aeromagnetic anomaly. This survey covered only a small area and topographic control was poor, making its exact location uncertain.

The test ground total magnetic field survey conducted in 1996 covered only a 900 by 300 m area. It identified a 400 gamma anomaly however, this may not be the peak value as the test area did not cover the core of the aeromagnetic anomaly.

CONCLUSIONS AND RECOMMENDATIONS

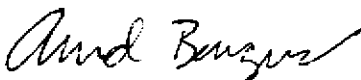
The Buzzer property is located directly along strike from the Fyre Lake Deposit where exploration has identified Besshi-type VMS mineralization. The claims cover a strong magnetic anomaly associated with rocks belonging to the middle unit of the Paleozoic Layered Metamorphic Sequence.

Soil sampling has defined two areas of multi-element geochemical response in the vicinity of the magnetic anomaly. Although previous workers discovered magnetite in chlorite schist, no sulphide mineralization has been located. The area of interest has been glaciated and is heavily vegetated.

The next phase of work should extend the ground magnetic survey to cover the entire property. This should be followed by a Maxmin survey, detailed mapping, prospecting and possibly hand trenching in the vicinity of magnetic anomalies.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED



A. Burgert, B.Sc.

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**APPENDIX I**

**AUTHOR'S STATEMENT OF QUALIFICATIONS**

## STATEMENT OF QUALIFICATIONS

I, Arnd Burgert, geologist, with business addresses in Whitehorse, Yukon Territory and in Vancouver, British Columbia and residential address in White Rock, British Columbia, do hereby certify that:

1. I graduated from the University of British Columbia in 1995 with a B.Sc. in geology.
2. From 1989 to present, I have been actively engaged in mineral exploration in British Columbia, the Northwest Territories and the Yukon Territory and am presently employed with Archer, Cathro & Associates (1981) Limited.
3. I have personally participated in field work in the Finlayson Lake region in 1996 and have compiled the information reported herein.

  
A. Burgert, B.Sc.

**APPENDIX II**

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

<b>Property</b>	<b>Surveys performed</b>
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.

## TABLE OF CONTENTS

1.0	INTRODUCTION .....	1
2.0	GRIDS AND GRID REGISTRATION .....	1
3.0	HLEM THEORY AND INTERPRETATION PROCEDURES .....	3
4.0	MAGNETIC FIELD INTERPRETATION PROCEDURES .....	6
5.0	SURVEY PROCEDURES .....	6
6.0	DATA PRESENTATION AND FORMATS .....	7
7.0	LEAGUE PROPERTY .....	9
	7.1 Survey specifications .....	9
	7.2 Data .....	9
	7.3 Results and interpretation .....	10
	7.4 Conclusions .....	11
8.0	ICE PROPERTY .....	12
	8.1 Survey specifications .....	12
	8.2 Data .....	12
	8.3 Results and interpretation .....	13
	8.4 Conclusions .....	15
9.0	BREAKAWAY PROPERTY .....	16
	9.1 Survey specifications .....	16
	9.2 Data .....	16
	9.3 Results and interpretation .....	16
	9.4 Conclusions .....	19
10.0	REF2 PROPERTY .....	20
	10.1 Survey specifications .....	20
	10.2 Data .....	20
	10.3 Results and interpretation .....	20
	10.4 Conclusions .....	22
11.0	HAT TRICK PROPERTY .....	23
	11.1 Survey specifications .....	23
	11.2 Data .....	23
	11.3 Results and interpretation .....	23
	11.4 Conclusions .....	26

12.0	SLAPSHOT PROPERTY .....	27
12.1	Survey specifications .....	27
12.2	Data .....	27
12.3	Results and interpretation .....	27
13.0	REF 1 PROPERTY .....	28
14.0	BUZZER PROPERTY .....	28
15.0	REF 3 PROPERTY .....	28
16.0	CONCLUSION .....	29
	REFERENCES CITED .....	30

## 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:

<b>Property</b>	<b>Surveys performed</b>
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  $\pm 3$  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:

$$x' = x - x_0$$

$$y' = y - y_0$$

2. Using the known azimuth of the base line in UTM coordinates ( $\phi$ ), 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

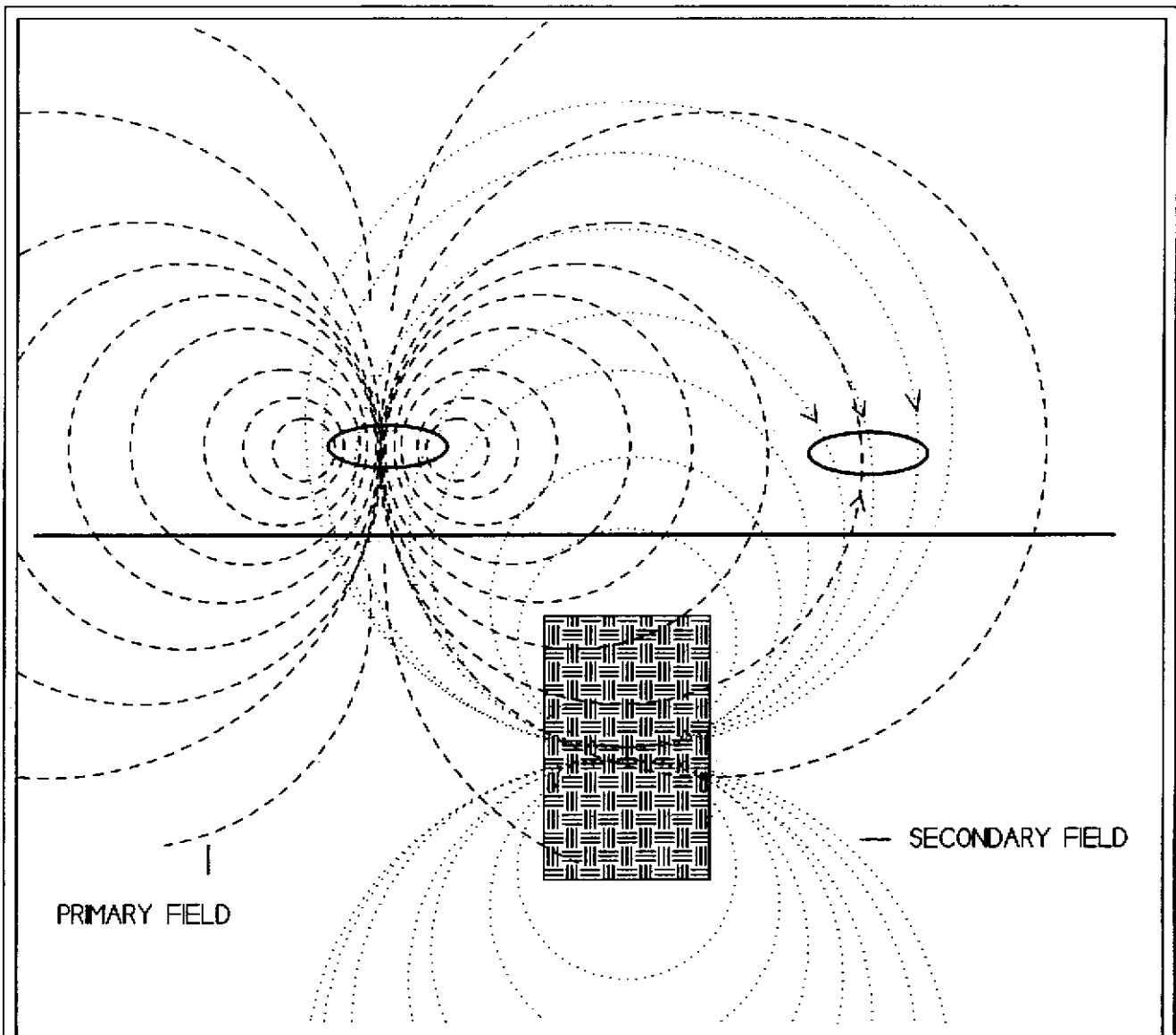
of the HLEM method and describes the interpretation algorithms used in this survey program.

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.

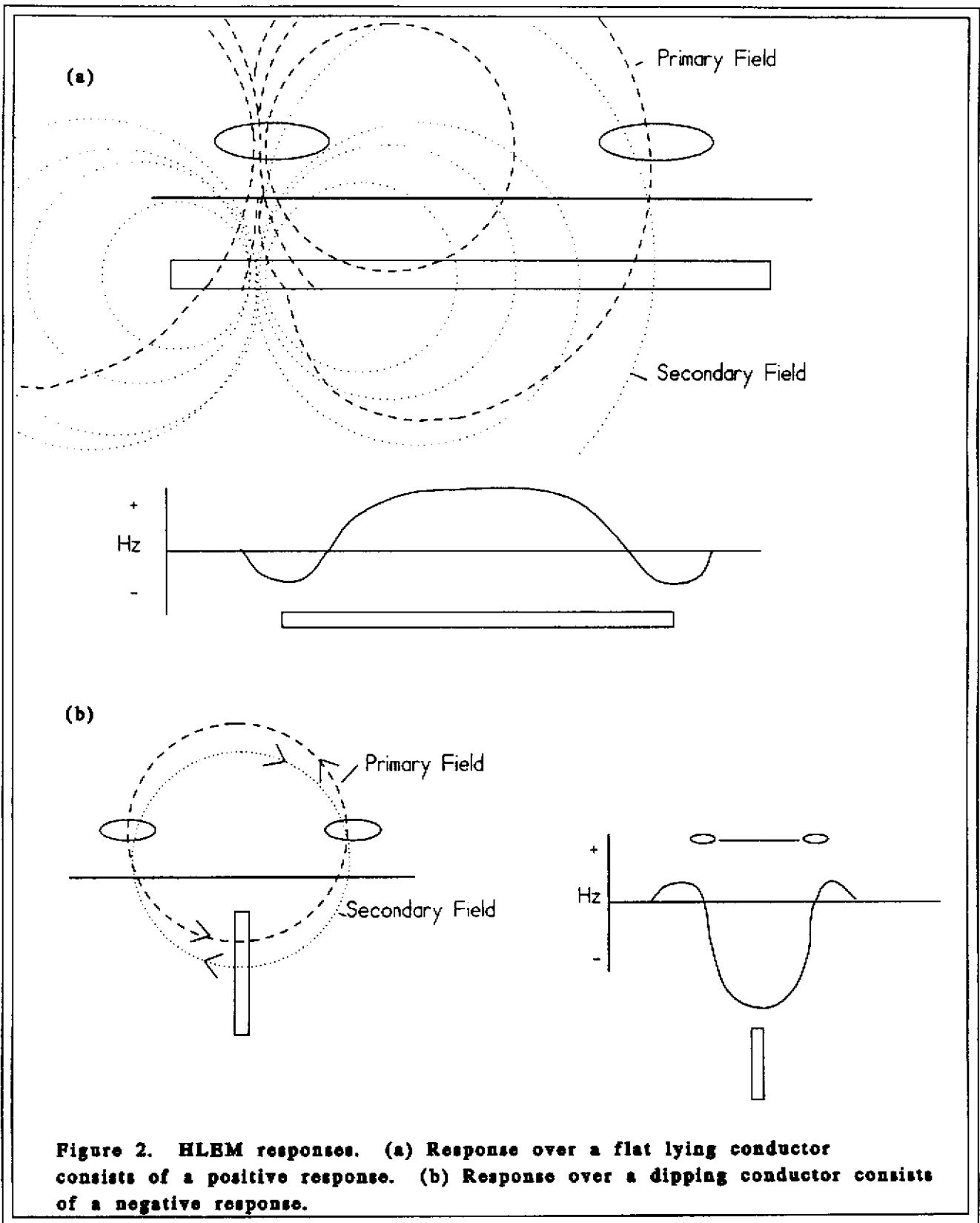
The Slingram method (normally referred to as HLEM) requires that a sample of the transmitted signal be sent along a wire to the receiver where it is used to synchronize the phase of the receiver with the transmitter. This permits the receiver to remove the effect of the transmitter signal (primary field) 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 ( $90^\circ$ ) (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.**

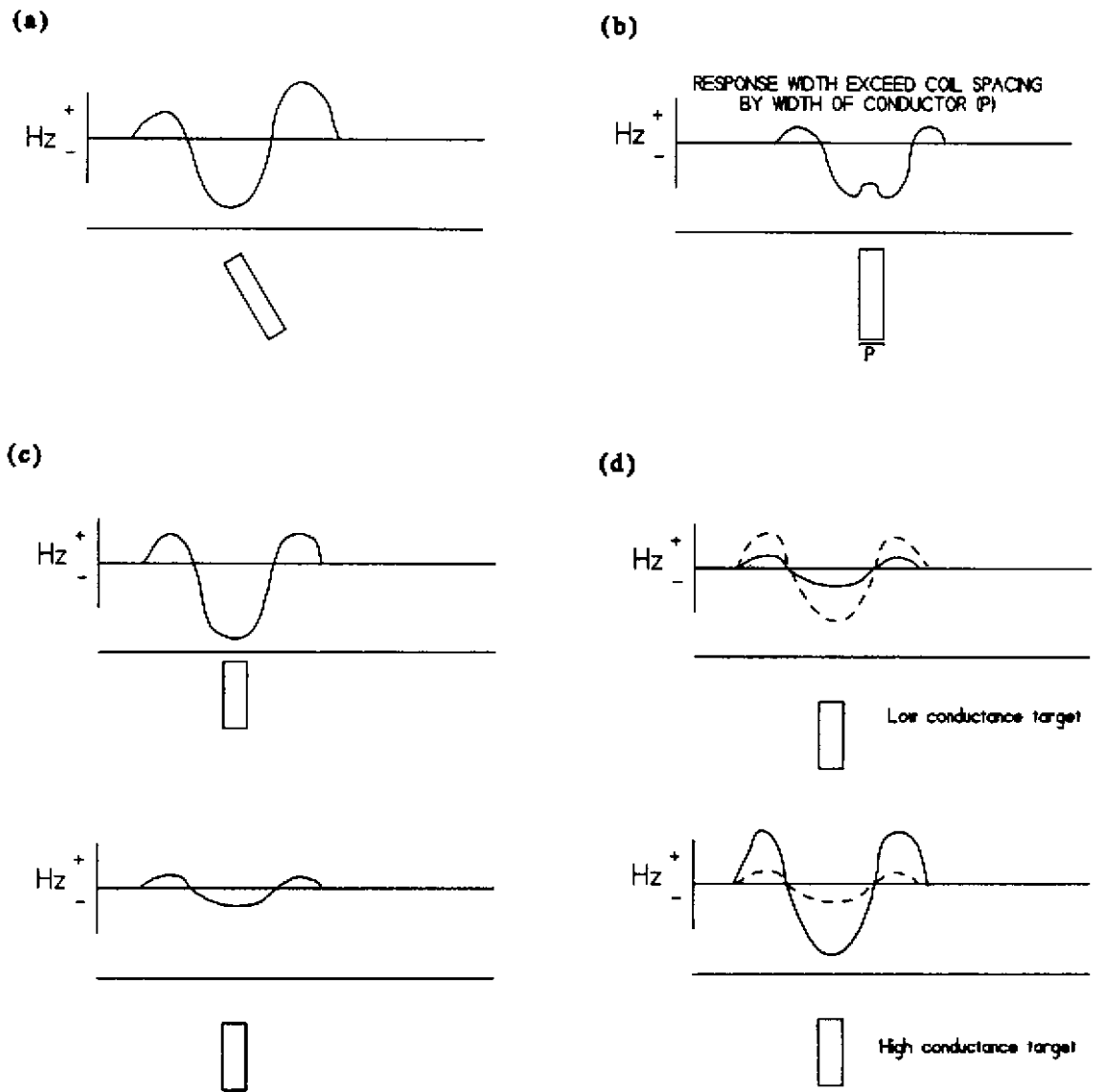


**Figure 2. HLEM responses. (a) Response over a flat lying conductor consists of a positive response. (b) Response over a dipping conductor consists of a negative response.**

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  $\sigma t$ ). 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**

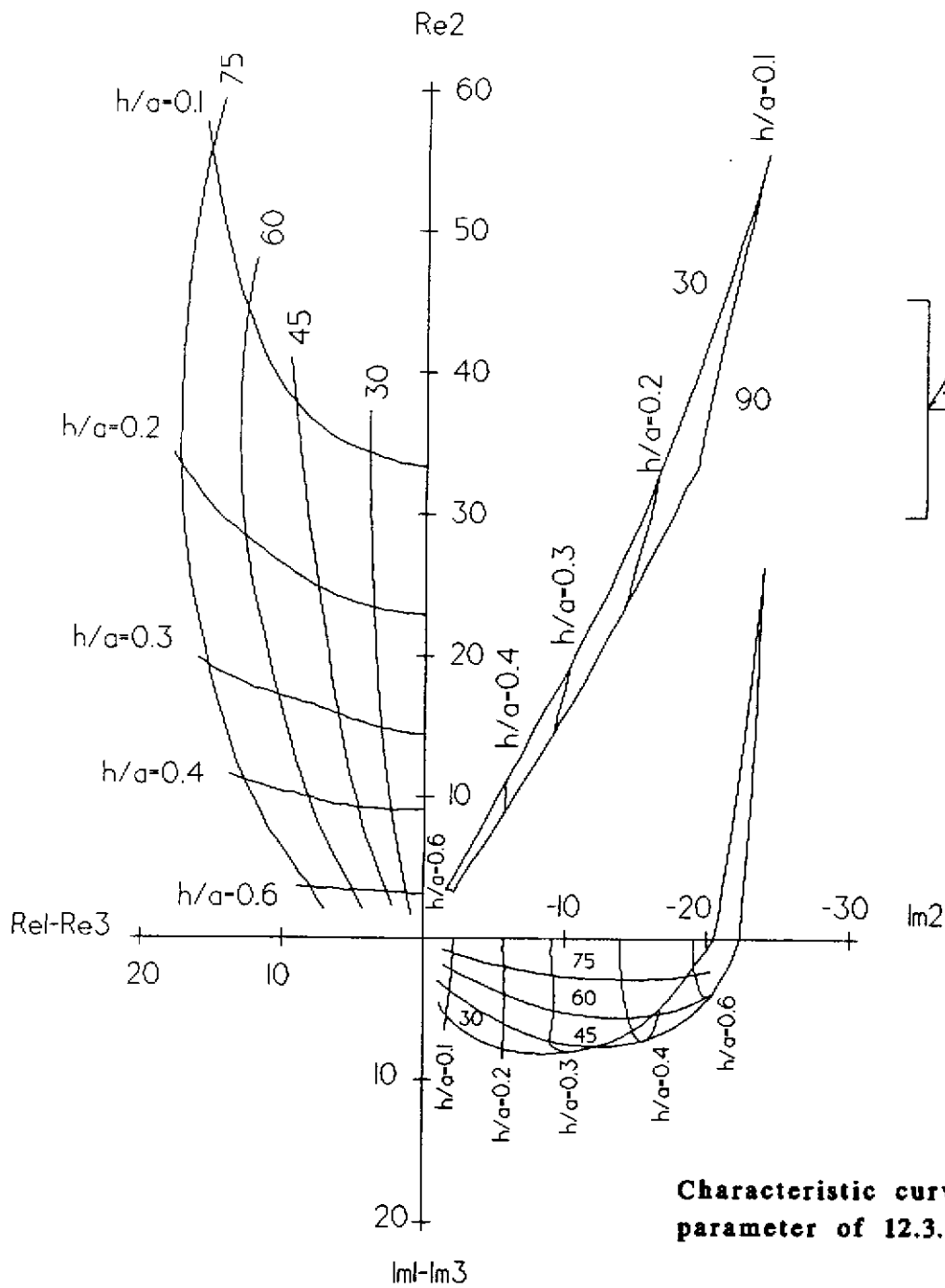
The geophysical surveys were performed with the following instruments:

##### **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 A11-3-4).

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.

## 9.0 BREAKAWAY PROPERTY

Ground total magnetic field surveys and horizontal loop electromagnetic field surveys were conducted on the Breakaway Property in June 1996. The surveys were conducted by C. Lee and D. Hall from May 31 to June 6, 1996.

### 9.1 Survey specifications

A cut grid consisting of 11.7 line-km with a base line azimuth of 115° was centred over a geochemical anomaly. Survey lines were straight chained (not slope corrected) and picketed with survey lathe. The base line was slope corrected. The magnetic field survey covered 11.7 line-km and HLEM surveys covered 10.6 line-km of this grid. The surveys were conducted using the standard specifications described in section 5.0. Three detail surveys were conducted.

### 9.2 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 BREAKAWAY section. The following figures display the data collected on this property:

Figure	Location	Description
BR-1	Pocket	Total magnetic field colour contour map.
BR-2	Pocket	Maxmin I-9 / 220 Hz -100 m coils stacked profiles
BR-3	Pocket	Maxmin I-9 / 880 Hz - 100 m coils stacked profiles
BR-4	Pocket	Maxmin I-9 / 3520 Hz - 100 m coils stacked profiles
BR-5	Report	Detailed Maxmin profiles - Line 10150E

### 9.3 Results and interpretation

Four conductors defined by similar line-to-line anomalous responses were detected by the HLEM survey. These are labelled **BR-1** to **BR-4** on the plots. All responses appear to be caused by thin tabular conductors of variable dip. Conductances were calculated using the 880 Hz responses. The conductors are discussed in turn.

Conductor **BR-1** runs the length of the grid and consists of negative quadrature with variable strength negative in-phase responses. Response asymmetry suggests that the conductor dips to the south on lines 10600E and 10750E. Interpreted conductor parameters for those responses on **BR-1** which can be interpreted are summarized below:

Apex location	Depth to top (m)	Dip / dip direction	Excess width (m)	Conductance (S)
L9100E 10400N	30	not interpretable	10	2.5
L9250E 10500N	20	not interpretable	60-75	2.5
L9400E 10500N	55	not interpretable	65 (Quad)	42.7
L9550E 10475N	18	not interpretable	15-20	1.8
L9850E 10375N	18	75° grid N	15-30	2.5
L10000E 10375N	<10	30 - 45° grid N	5	0.6
L10150E 10375N	58	not interpretable	25	42.7
L10300E 10350N	22	45 grid N	60	4.7
L10450E 10400E	35	not interpretable	0	13.0
L10750E 10500E	21	not interpretable	30	<2.5

Conductor **BR-2** extends from line 10150E to 10650E and consists of negative in-phase and quadrature responses. The response on line 10150E is particularly strong indicating a shallow source. The dip of the conductor is difficult to determine because of responses on adjacent conductors. Interpreted conductor parameters for those responses on **BR-2** which can be interpreted are summarized below:

Apex location	Depth to top (m)	Dip / dip direction	Excess width (m)	Conductance (S)
L10150E 10725N	unknown (probably shallow)	not interpretable	110	28.8
L10300E 10725N	23	60-90° grid south	15-60	7.6
L10450E 10700N	38	not interpretable	25-55	7.6
L9550E 10475N	60	not interpretable	0	27.6

Conductor **BR-3** extends from line 9850E to 10150E and consists of negative in-phase and quadrature responses. The dip of the conductor is difficult to determine because of responses on adjacent conductors. Interpreted conductor parameters for those responses on **BR-3** which can be interpreted are summarized below:

Apex location	Depth to top (m)	Dip / dip direction	Excess width (m)	Conductance (S)
L9850E 10850N	28	60-75° grid N	45-50	1.4
L10150E 10900N	18	not interpretable	10-20	7.6

Conductor **BR-4** extends from line 9100E to 9250E and consists of negative quadrature responses with a negative in-phase response on line 9100E. The dip of the conductor is difficult to determine because of responses on adjacent conductors. Interpreted conductor parameters for those responses on **BR-4** which can be interpreted are summarized below:

Apex location	Depth to top (m)	Dip / dip direction	Excess width (m)	Conductance (S)
L9850E 10850N	28	60-75° grid N	45-50	1.4

L10150E 10900N	18	not interpretable	10-20	7.6
-------------------	----	----------------------	-------	-----

The conductor axes are plotted together with the magnetic field data in Figure BR-1. Conductor **BR-1** follows the north side of magnetic high from lines 9100E to 9550E and the south side of a second magnetic field high from lines 9850E to 10600E. Conductor **BR-2** follows a weak magnetic field low within a larger mag high. Conductor **BR-3** cuts obliquely across a magnetic field high and conductor **BR-4** follows the south side of the magnetic field high on the south end of **BR-1**. Positive magnetic responses appear to be directly associated with the following conductor intersections:

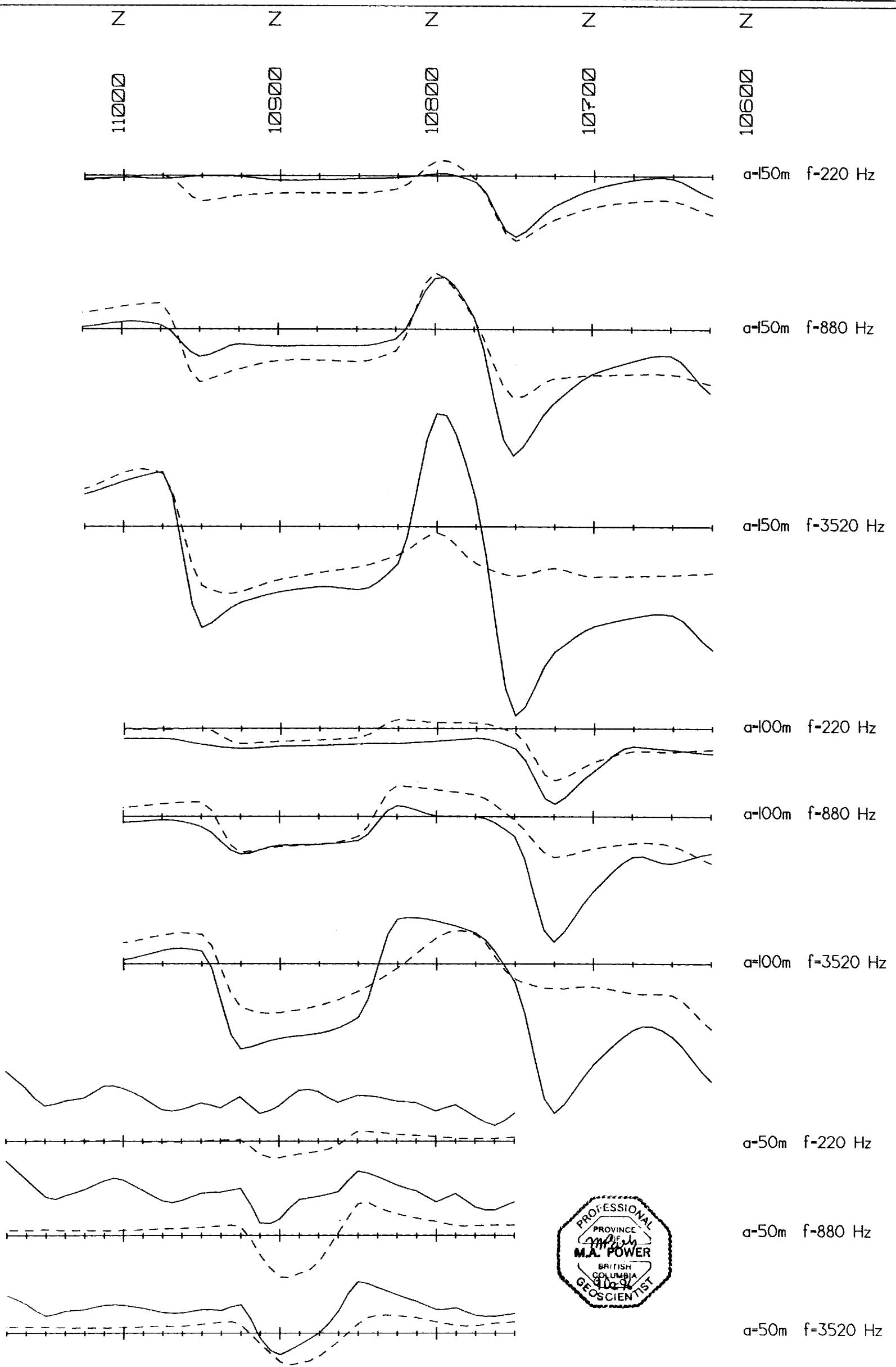
Conductor	Intersection	Remarks
BR-2	L10150E 10725N	Mag high centred at 10700N
BR-3	L10000E 10900N	Mag high centred at 10900N
BR-3	L10150E 10925N	Mag high centred at 10900N

The most interesting of these intersections is that on **BR-2** where a strong magnetic field high is associated with a strong EM conductor. The trend of conductor **BR-3** cuts across the overall trend of the magnetic field high and consequently appears to be discordant with respect to the local strike. Conductor **BR-2** on the other hand appears to be conformable with the local strike.

Available geological data indicates that limonitic gossan was exposed in trenching at line 10300E 10675N. No significant mineralization was detected in the area of best response on **BR-2** at 10150E 10725N. Other geophysical anomalies of interest were not investigated by trenching.

#### 9.4 Conclusions

The response at line 10150E 10725N has not been explained by the results of trenching. At this location, a strong EM anomaly is associated with a strong positive magnetic response. The concordance of **BR-2** with the apparent geological strike and the restricted length of this conductor coupled with the associated magnetic anomaly and the high apparent conductance of this target suggest that this target merits additional investigation. Conductors **BR-1**, **BR-3** and **BR-4** may be faults given their crosscutting relationship to the local trend of the magnetic field.



VERTICAL SCALE: 1cm=20% Hz ( $\alpha=150m$ ,  $\alpha=100m$ )  
 1cm=10% Hz ( $\alpha=50m$ )

IN-PHASE - SOLID / QUADRATURE - DASHED



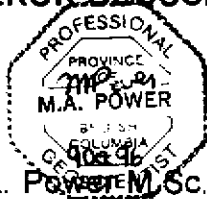
EXPATRIATE RESOURCES LTD.	BREAKAWAY PROPERTY	
COMPOSITE PROFILE LINE 10150 E	MINING DISTRICT: WATSON LAKE	
	NTS: 105 K/1	SCALE: 1:2500
AMEROK GEOSCIENCES LTD.	OPERATOR: C.L./D.H.	
	DATE: 18NOV96	FIGURE: BR-5

## 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.**



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

  
 C. C. Lee B.Sc.  
 Geologist

## REFERENCES CITED

Telford, W.M., L.P. Geldart and R.E. Sheriff (1990) Applied Geophysics (2nd Edition)  
New York: Cambridge University Press.

Ketola, M. and M. Puranen (1967) Type curves for the interpretation of Slingram  
(horizontal loop) anomalies over tabular bodies. Geological Survey of Finland  
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Varre, T. (1990) Apex Parametrics Maxmin I-9 manual. Uxbridge: Apex Parametrics.

**APPENDIX III**

**GPS DATA**

**Buzzer Property**  
**GPS Survey Coordinates**

**Data Quality:** Standard = The surveyed positions were recorded in 3D mode and were differentially corrected. The reported UTM coordinates are within 1 to 5 meters of their actual locations; Poor = >25% of the surveyed positions were recorded in 2D mode; Uncorrected = The surveyed positions were not differentially corrected; N/S = No survey data available.

**Base Station:** W = Westmin Resources Limited base station at Wolverine Lake; WL = Ministry of Environment, Lands and Parks base station at Williams Lake; DL = Ministry of Environment, Lands and Parks base station at Dease Lake; RR = Department of Renewable Resources (Forestry) at Whitehorse.

**A. Expatriate Resources Ltd. Claim Posts**

Claim	Posts 1	Posts 2	UTM Coordinates		Data Quality	Base Station	Date	
			Northing	Easting				
97	Buzzer	1, 2	-	6774244	424817	Standard	W	20-Jun-96
98		3, 4	1, 2	6774505	424462	Standard	W	20-Jun-96
99		5, 6	3, 4	6774820	424114	Standard	W	20-Jun-96
100		7, 8	5, 6	6775073	423787	Standard	W	20-Jun-96
101		9,10	7, 8	6775326	423464	Standard	W	20-Jun-96
102		11,12	9,10	6775598	423117	Standard	W	20-Jun-96
103		13,14	11,12	6775932	422798	Uncorrected	W	21-Jun-96
104		-	13,14	6776161	422424	Standard	W	18-Jun-96
105	Buzzer	15, 16	-	6773517	424313	Standard	W	25-Jun-96
106		17, 18	15, 16	6773801	423986	Standard	W	25-Jun-96
107		19, 20	17, 18	6773977	423690	Standard	W	25-Jun-96
108		21, 22	19, 20	6774278	423355	Standard	W	24-Jun-96
109		23, 23	21, 22	6774587	422989	Standard	W	24-Jun-96
110		24, 25	23, 23	6774842	422651	Standard	W	24-Jun-96
111		26, 27	24, 25	6775122	422348	Standard	W	24-Jun-96
112		-	26, 27	6775396	421992	Standard	W	24-Jun-96

**APPENDIX IV**  
**CERTIFICATES OF ANALYSIS**



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Analytical Chemists \* Geochemists \* Registered Assayers  
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Project: BUZZER  
 Comments:

Page: 1-A  
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 Certificate Date: 16-JUL-96  
 Invoice No.: 19623415  
 P.O. Number:  
 Account: MPO

## CERTIFICATE OF ANALYSIS A9623415

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-02243	201 202	< 0.2	0.97	2	130	< 0.5	< 2	0.13	< 0.5	2	22	7	1.15	< 10	< 1	0.10	10	0.31	90	< 1
BB-02244	201 202	< 0.2	1.57	6	220	0.5	< 2	0.14	< 0.5	5	26	13	2.38	< 10	< 1	0.09	10	0.48	230	< 1
BB-02245	201 202	< 0.2	1.90	< 2	190	0.5	< 2	0.21	< 0.5	8	62	19	2.68	< 10	< 1	0.09	10	0.93	325	< 1
BB-02246	201 202	0.2	1.68	8	740	1.5	< 2	0.35	< 0.5	13	39	38	3.47	< 10	< 1	0.09	30	0.49	935	< 1
BB-02248	201 202	0.8	0.38	< 2	130	< 0.5	< 2	0.23	< 0.5	1	4	7	0.38	< 10	< 1	0.03	< 10	0.07	35	< 1
BB-02249	201 202	1.0	3.14	8	630	2.5	< 2	0.80	1.0	12	79	85	3.55	< 10	< 1	0.26	30	1.05	520	< 1
BB-02250	201 202	< 0.2	0.59	2	150	< 0.5	< 2	0.17	0.5	3	16	7	0.99	< 10	< 1	0.10	10	0.18	120	< 1
BB-02251	201 202	< 0.2	1.55	6	170	< 0.5	< 2	0.25	< 0.5	7	93	16	2.63	< 10	< 1	0.09	10	0.90	160	< 1
BB-02252	201 202	< 0.2	2.30	< 2	240	1.0	< 2	0.10	< 0.5	6	65	8	2.68	< 10	< 1	0.11	10	0.72	145	< 1
BB-02253	201 202	0.2	1.18	4	150	0.5	< 2	0.10	< 0.5	4	42	9	1.97	< 10	< 1	0.08	10	0.35	145	< 1
BB-02254	201 202	0.8	3.52	12	480	3.5	< 2	1.33	0.5	13	87	76	3.79	< 10	< 1	0.20	100	1.02	560	< 1
BB-02255	201 202	0.2	2.26	6	130	1.0	< 2	0.14	0.5	14	147	17	4.28	< 10	< 1	0.13	< 10	1.09	270	< 1
BB-02256	201 202	< 0.2	0.81	< 2	100	< 0.5	< 2	0.04	< 0.5	3	18	6	1.39	< 10	< 1	0.08	10	0.14	100	< 1
BB-02257	201 202	0.2	1.89	4	410	1.0	< 2	0.36	1.5	12	67	31	3.03	< 10	< 1	0.20	10	0.74	800	< 1
BB-02258	201 202	0.2	1.92	12	360	0.5	< 2	0.30	0.5	10	107	25	3.26	< 10	< 1	0.15	< 10	1.11	435	< 1
BB-02259	201 202	0.2	1.34	< 2	250	0.5	< 2	0.11	< 0.5	7	33	15	2.50	< 10	< 1	0.10	< 10	0.51	365	< 1
BB-02260	201 202	0.2	1.53	10	90	0.5	< 2	0.03	< 0.5	5	33	11	3.17	< 10	< 1	0.12	< 10	0.44	155	< 1
BB-02261	201 202	0.2	1.71	< 2	80	< 0.5	< 2	0.05	< 0.5	4	31	5	2.44	< 10	< 1	0.08	< 10	0.47	165	< 1
BB-02262	201 202	0.6	1.55	6	440	1.5	< 2	0.28	< 0.5	15	26	27	3.68	< 10	< 1	0.12	20	0.30	1520	< 1
BB-02263	201 202	1.6	1.33	2	630	2.5	< 2	0.75	2.5	7	19	98	1.81	< 10	< 1	0.06	10	0.29	850	< 1
BB-02264	201 202	0.2	1.33	2	60	< 0.5	< 2	0.03	< 0.5	6	69	15	3.21	< 10	< 1	0.06	10	0.57	130	< 1
BB-02265	201 202	< 0.2	0.78	< 2	70	< 0.5	< 2	0.04	< 0.5	3	19	6	1.39	< 10	< 1	0.13	10	0.21	115	< 1
BB-02266	201 202	< 0.2	0.96	< 2	160	< 0.5	< 2	0.11	< 0.5	4	36	7	1.60	< 10	< 1	0.21	10	0.45	120	< 1
BB-02267	201 202	< 0.2	3.09	< 2	700	0.5	< 2	0.20	< 0.5	12	128	21	5.11	< 10	< 1	0.83	10	1.51	305	< 1
BB-02268	201 202	< 0.2	1.79	4	180	0.5	< 2	0.29	< 0.5	9	44	16	2.85	< 10	< 1	0.11	10	0.90	210	< 1
BB-02269	201 202	0.6	3.91	< 2	300	1.0	< 2	0.27	2.5	26	77	55	5.92	< 10	< 1	0.42	10	1.53	480	8
BB-02270	201 202	0.4	2.06	6	160	< 0.5	< 2	0.18	< 0.5	10	35	12	2.40	< 10	< 1	0.10	10	0.54	125	4
BB-02271	201 202	< 0.2	0.90	6	100	< 0.5	< 2	0.11	0.5	4	23	8	1.90	< 10	< 1	0.18	10	0.36	125	1
BB-02272	201 202	< 0.2	2.14	2	110	< 0.5	< 2	0.15	< 0.5	7	31	5	3.18	< 10	< 1	0.12	10	0.62	190	< 1
BB-02273	201 202	< 0.2	3.19	2	120	< 0.5	< 2	0.80	< 0.5	18	279	10	3.94	< 10	< 1	0.35	10	1.86	365	< 1
BB-02274	201 202	< 0.2	1.72	< 2	80	< 0.5	< 2	0.23	< 0.5	9	34	4	2.30	< 10	< 1	0.42	< 10	0.85	250	< 1
BB-02275	201 202	< 0.2	3.46	6	550	0.5	< 2	0.25	< 0.5	10	76	21	5.50	< 10	< 1	0.41	< 10	1.27	520	3
BB-02276	201 202	< 0.2	2.38	4	180	< 0.5	< 2	0.99	< 0.5	19	37	15	3.70	< 10	< 1	0.42	10	1.12	520	< 1
BB-02277	201 202	< 0.2	1.84	8	80	< 0.5	< 2	0.18	< 0.5	8	49	9	3.21	< 10	< 1	0.12	10	0.53	195	1
BB-02278	201 202	< 0.2	1.68	6	80	< 0.5	< 2	0.20	< 0.5	9	51	12	3.27	< 10	< 1	0.13	< 10	0.65	215	1
BB-02279	201 202	< 0.2	1.91	4	70	< 0.5	< 2	0.17	< 0.5	7	50	7	3.96	< 10	< 1	0.12	10	0.60	215	< 1
BB-02280	201 202	< 0.2	1.97	12	120	< 0.5	< 2	0.35	< 0.5	12	94	21	2.89	< 10	< 1	0.28	10	1.19	430	< 1
BB-02281	201 202	< 0.2	1.97	6	70	0.5	< 2	0.15	< 0.5	5	28	6	2.72	< 10	< 1	0.14	10	0.52	170	< 1
BB-02282	201 202	< 0.2	1.91	6	100	< 0.5	< 2	0.14	0.5	7	34	9	3.24	< 10	< 1	0.09	10	0.72	210	1
BB-02283	201 202	< 0.2	2.22	6	120	0.5	< 2	0.17	< 0.5	8	33	9	3.02	< 10	< 1	0.12	20	0.70	210	< 1

CERTIFICATION:

*Hart Buchler*



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Analytical Chemists \* Geochemists \* Registered Assayers

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 Account: MPO

## CERTIFICATE OF ANALYSIS A9623415

SAMPLE	PREP CODE		Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
BB-02243	201	202	< 0.01	7	190	10	< 2	2	10	0.06	< 10	< 10	38	< 10	28
BB-02244	201	202	0.01	14	250	14	< 2	3	9	0.06	< 10	< 10	52	< 10	134
BB-02245	201	202	< 0.01	20	210	10	< 2	5	15	0.12	< 10	< 10	65	< 10	116
BB-02246	201	202	< 0.01	24	390	18	< 2	3	22	0.04	< 10	< 10	68	< 10	114
BB-02248	201	202	0.07	4	500	< 2	< 2	< 1	12	0.01	< 10	< 10	9	< 10	6
BB-02249	201	202	0.01	102	670	16	< 2	6	43	0.05	< 10	< 10	52	< 10	232
BB-02250	201	202	0.03	12	270	8	< 2	< 1	13	0.04	< 10	< 10	19	< 10	46
BB-02251	201	202	< 0.01	43	230	12	< 2	4	14	0.12	< 10	< 10	87	< 10	60
BB-02252	201	202	< 0.01	29	450	14	< 2	3	20	0.08	< 10	< 10	56	< 10	54
BB-02253	201	202	0.02	19	390	18	< 2	1	11	0.06	< 10	< 10	47	< 10	54
BB-02254	201	202	0.03	133	1140	24	< 2	8	73	0.06	< 10	40	61	< 10	186
BB-02255	201	202	< 0.01	71	330	22	< 2	4	9	0.11	< 10	< 10	97	< 10	158
BB-02256	201	202	< 0.01	12	200	18	< 2	1	6	0.05	< 10	< 10	33	< 10	54
BB-02257	201	202	< 0.01	40	500	14	< 2	4	24	0.07	< 10	< 10	63	< 10	162
BB-02258	201	202	< 0.01	49	400	12	< 2	5	16	0.09	< 10	< 10	76	< 10	150
BB-02259	201	202	< 0.01	15	280	16	< 2	3	9	0.07	< 10	< 10	63	< 10	102
BB-02260	201	202	< 0.01	15	330	10	< 2	3	4	0.07	< 10	< 10	70	< 10	54
BB-02261	201	202	< 0.01	11	140	10	< 2	3	4	0.10	< 10	< 10	82	< 10	42
BB-02262	201	202	0.03	18	710	24	< 2	1	20	0.03	< 10	< 10	54	< 10	124
BB-02263	201	202	0.03	32	1410	14	< 2	3	40	0.01	< 10	< 10	23	< 10	76
BB-02264	201	202	< 0.01	39	520	12	< 2	3	4	0.11	< 10	< 10	92	< 10	54
BB-02265	201	202	0.01	12	330	8	< 2	1	5	0.05	< 10	< 10	33	< 10	54
BB-02266	201	202	< 0.01	18	250	10	< 2	3	7	0.06	< 10	< 10	49	< 10	62
BB-02267	201	202	< 0.01	44	230	14	< 2	10	15	0.25	< 10	< 10	169	< 10	190
BB-02268	201	202	0.01	22	380	16	< 2	5	15	0.13	< 10	< 10	89	< 10	60
BB-02269	201	202	< 0.01	83	320	20	< 2	10	25	0.20	< 10	< 10	135	< 10	300
BB-02270	201	202	< 0.01	27	110	22	< 2	3	16	0.16	< 10	< 10	67	< 10	280
BB-02271	201	202	< 0.01	11	190	8	< 2	2	7	0.09	< 10	< 10	61	< 10	52
BB-02272	201	202	< 0.01	13	210	10	< 2	3	14	0.11	< 10	< 10	67	< 10	170
BB-02273	201	202	< 0.01	64	170	18	< 2	5	28	0.22	< 10	< 10	89	< 10	94
BB-02274	201	202	< 0.01	10	160	10	< 2	2	19	0.24	< 10	< 10	58	< 10	42
BB-02275	201	202	< 0.01	29	580	10	< 2	9	14	0.25	< 10	< 10	168	< 10	138
BB-02276	201	202	< 0.01	18	600	8	< 2	3	36	0.16	< 10	< 10	56	< 10	78
BB-02277	201	202	< 0.01	18	210	10	< 2	3	16	0.19	< 10	< 10	66	< 10	48
BB-02278	201	202	< 0.01	21	250	10	< 2	3	16	0.22	< 10	< 10	79	< 10	44
BB-02279	201	202	< 0.01	15	240	8	< 2	3	17	0.18	< 10	< 10	68	< 10	60
BB-02280	201	202	< 0.01	44	350	12	< 2	5	20	0.13	< 10	< 10	60	< 10	64
BB-02281	201	202	< 0.01	11	500	10	< 2	3	10	0.11	< 10	< 10	63	< 10	84
BB-02282	201	202	< 0.01	14	360	14	< 2	3	11	0.11	< 10	< 10	77	< 10	94
BB-02283	201	202	< 0.01	16	220	10	< 2	4	12	0.12	< 10	< 10	68	< 10	116

CERTIFICATION:

*Hart Becker*



# 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 : BUZZER  
 Comments :

Page Number : 2-A  
 Total Pages : 7  
 Certificate Date: 16-JUL-96  
 Invoice No. : 19623415  
 P.O. Number :  
 Account : MPO

## CERTIFICATE OF ANALYSIS A9623415

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-02284	201 202	< 0.2	2.60	< 2	190	0.5	< 2	0.12	0.5	5	41	22	3.53	10	< 1	0.08	10	1.04	230	15
BB-02285	201 202	0.2	1.56	2	300	< 0.5	< 2	0.08	0.5	3	23	24	2.96	10	< 1	0.33	< 10	0.69	360	4
BB-02286	201 202	< 0.2	2.71	8	100	0.5	< 2	0.16	0.5	7	48	12	3.72	10	< 1	0.10	< 10	0.82	235	2
BB-02287	201 202	< 0.2	1.39	2	120	0.5	< 2	0.07	< 0.5	4	27	4	1.85	< 10	< 1	0.07	10	0.38	135	1
BB-02288	201 202	< 0.2	1.89	4	90	0.5	< 2	0.15	< 0.5	8	40	8	3.13	10	< 1	0.11	< 10	0.73	1095	1
BB-02289	201 202	< 0.2	3.26	4	100	1.0	< 2	0.08	< 0.5	5	48	17	3.99	10	< 1	0.08	10	0.70	190	3
BB-02291	201 202	< 0.2	1.69	8	200	< 0.5	< 2	0.77	< 0.5	10	83	21	2.51	< 10	< 1	0.20	10	0.89	300	1
BB-02292	201 202	< 0.2	2.22	2	70	0.5	< 2	0.20	< 0.5	11	49	14	3.53	< 10	< 1	0.24	10	0.85	285	1
BB-02293	201 202	< 0.2	2.13	< 2	80	< 0.5	< 2	0.17	< 0.5	6	36	9	3.41	10	< 1	0.55	10	0.94	285	1
BB-02294	201 202	< 0.2	1.42	< 2	90	< 0.5	< 2	0.28	< 0.5	6	52	14	2.52	< 10	< 1	0.14	10	0.48	230	2
BB-02301	201 202	< 0.2	1.41	2	120	< 0.5	< 2	0.29	< 0.5	6	36	7	2.17	< 10	< 1	0.24	10	0.58	230	< 1
BB-02302	201 202	< 0.2	1.57	< 2	90	< 0.5	< 2	0.26	< 0.5	7	42	10	3.01	< 10	< 1	0.36	< 10	0.71	260	1
BB-02303	201 202	< 0.2	2.36	< 2	140	0.5	< 2	0.26	< 0.5	14	77	18	4.15	10	< 1	0.39	10	1.09	320	1
BB-02304	201 202	0.2	2.30	4	250	0.5	< 2	0.12	1.5	13	140	17	4.00	10	< 1	0.22	10	1.16	590	2
BB-02305	201 202	0.8	2.93	< 2	370	0.5	< 2	0.13	1.5	8	56	20	4.38	10	< 1	0.31	10	1.43	470	6
BB-02306	201 202	0.4	3.36	< 2	370	1.5	< 2	0.29	1.0	16	89	78	4.31	10	< 1	0.38	20	1.31	715	5
BB-02307	201 202	0.8	4.16	< 2	600	2.0	< 2	0.98	1.0	17	83	125	5.30	10	< 1	0.47	40	1.24	870	5
BB-02308	201 202	< 0.2	2.94	2	470	1.5	< 2	0.55	< 0.5	17	106	46	4.31	10	< 1	0.32	20	1.23	560	3
BB-02309	201 202	< 0.2	1.34	< 2	360	1.0	< 2	0.40	< 0.5	7	39	28	2.31	< 10	< 1	0.17	20	0.53	330	1
BB-02310	201 202	0.2	1.98	2	470	1.5	< 2	1.06	< 0.5	9	46	39	3.31	< 10	< 1	0.28	10	0.64	590	4
BB-02311	201 202	< 0.2	1.25	< 2	180	0.5	< 2	0.17	< 0.5	6	44	24	2.20	< 10	< 1	0.19	< 10	0.52	225	2
BB-02312	201 202	0.4	3.01	< 2	470	1.5	< 2	1.01	1.0	16	75	78	4.30	10	< 1	0.35	40	1.14	780	5
BB-02313	201 202	0.2	1.35	< 2	240	0.5	< 2	0.20	< 0.5	5	43	21	2.17	< 10	< 1	0.15	10	0.60	180	3
BB-02314	201 202	0.2	2.87	10	290	0.5	< 2	0.26	1.0	10	83	39	4.93	10	< 1	0.28	10	1.54	500	16
BB-02315	201 202	1.6	4.70	46	650	2.0	< 2	1.49	2.0	30	243	289	6.28	10	1	0.63	60	1.74	2140	6
BB-02316	201 202	< 0.2	1.01	2	80	< 0.5	< 2	0.17	< 0.5	4	26	8	2.05	< 10	< 1	0.26	10	0.27	145	1
BB-02317	201 202	< 0.2	2.19	8	100	0.5	< 2	0.28	< 0.5	10	52	13	4.15	10	< 1	0.36	10	0.88	350	1
BB-02318	201 202	< 0.2	2.32	< 2	110	0.5	< 2	0.22	< 0.5	14	54	18	3.54	10	< 1	0.20	10	0.74	500	2
BB-02319	201 202	< 0.2	3.31	< 2	110	1.5	< 2	0.48	< 0.5	16	62	28	3.99	10	< 1	0.25	50	1.32	600	2
BB-02320	201 202	< 0.2	1.03	< 2	60	< 0.5	< 2	0.23	< 0.5	4	27	5	1.66	< 10	< 1	0.16	< 10	0.42	150	1
BB-02321	201 202	0.2	1.65	< 2	80	< 0.5	< 2	0.18	< 0.5	7	72	11	2.74	< 10	< 1	0.23	10	0.75	240	1
BB-02322	201 202	< 0.2	1.67	30	180	< 0.5	< 2	0.52	< 0.5	22	264	26	3.02	< 10	< 1	0.27	10	1.75	595	1
BB-02323	201 202	< 0.2	2.48	4	200	0.5	< 2	0.13	0.5	10	119	32	4.25	10	< 1	0.21	10	1.26	405	2
BB-02324	201 202	< 0.2	2.24	< 2	190	0.5	< 2	0.15	0.5	7	63	12	3.39	10	< 1	0.17	10	1.06	265	4
BB-02325	201 202	< 0.2	2.31	2	310	0.5	< 2	0.25	0.5	10	54	19	3.40	10	< 1	0.20	10	0.89	370	5
BB-02326	201 202	< 0.2	1.73	< 2	180	0.5	< 2	0.13	< 0.5	10	56	14	2.56	< 10	< 1	0.16	10	0.71	245	1
BB-02327	201 202	< 0.2	1.02	< 2	110	< 0.5	< 2	0.08	< 0.5	4	25	12	2.02	< 10	< 1	0.13	10	0.27	160	1
BB-02328	201 202	< 0.2	3.41	4	160	0.5	< 2	0.37	< 0.5	12	57	10	5.47	10	< 1	0.32	< 10	1.24	430	2
BB-02329	201 202	< 0.2	2.09	< 2	90	< 0.5	< 2	0.21	< 0.5	8	66	8	3.49	10	< 1	0.18	10	0.73	275	3
BB-02330	201 202	< 0.2	2.83	2	170	1.0	< 2	0.26	< 0.5	15	150	27	3.12	< 10	< 1	0.13	10	1.40	390	1

CERTIFICATION: *David P. Fisher*



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
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o: EXPATRIATE RESOURCES LTD.  
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Page Number : 2-B  
 Total Pages : 7  
 Certificate Date: 16-JUL-96  
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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
BB-02284	201 202	< 0.01	26	410	28	< 2	4	21	0.12	< 10	< 10	114	< 10	324
BB-02285	201 202	< 0.01	11	230	8	< 2	4	9	0.09	< 10	< 10	88	< 10	114
BB-02286	201 202	< 0.01	19	750	18	< 2	4	10	0.12	< 10	< 10	75	< 10	84
BB-02287	201 202	< 0.01	11	240	14	< 2	2	7	0.05	< 10	< 10	34	< 10	64
BB-02288	201 202	< 0.01	15	1190	16	< 2	4	8	0.09	< 10	< 10	75	< 10	80
BB-02289	201 202	< 0.01	18	1160	18	< 2	4	7	0.09	< 10	< 10	70	< 10	72
BB-02291	201 202	< 0.01	86	420	12	< 2	4	30	0.08	< 10	< 10	47	< 10	50
BB-02292	201 202	< 0.01	23	420	16	< 2	3	16	0.16	< 10	< 10	49	< 10	62
BB-02293	201 202	< 0.01	14	180	22	< 2	3	15	0.27	< 10	< 10	53	< 10	76
BB-02294	201 202	< 0.01	23	170	14	< 2	3	19	0.12	< 10	< 10	60	< 10	62
BB-02301	201 202	< 0.01	10	290	10	< 2	3	27	0.16	< 10	< 10	49	< 10	44
BB-02302	201 202	< 0.01	16	370	12	< 2	3	21	0.16	< 10	< 10	61	< 10	54
BB-02303	201 202	< 0.01	31	240	14	< 2	5	23	0.18	< 10	< 10	65	< 10	78
BB-02304	201 202	< 0.01	55	750	14	< 2	6	12	0.11	< 10	< 10	105	< 10	144
BB-02305	201 202	< 0.01	25	540	20	< 2	7	21	0.15	< 10	< 10	119	< 10	206
BB-02306	201 202	< 0.01	77	360	22	< 2	7	24	0.10	< 10	< 10	97	< 10	214
BB-02307	201 202	< 0.01	116	630	26	< 2	13	44	0.09	< 10	< 10	91	< 10	266
BB-02308	201 202	< 0.01	76	460	18	< 2	8	25	0.13	< 10	< 10	98	< 10	124
BB-02309	201 202	< 0.01	28	500	12	< 2	5	20	0.06	< 10	< 10	40	< 10	58
BB-02310	201 202	< 0.01	35	810	16	< 2	6	44	0.04	< 10	10	54	< 10	86
BB-02311	201 202	< 0.01	27	330	12	< 2	3	10	0.05	< 10	< 10	48	< 10	58
BB-02312	201 202	< 0.01	78	680	20	< 2	9	40	0.08	< 10	< 10	83	< 10	202
BB-02313	201 202	< 0.01	25	340	12	< 2	3	18	0.07	< 10	< 10	54	< 10	84
BB-02314	201 202	< 0.01	59	510	30	< 2	6	39	0.10	< 10	< 10	129	< 10	244
BB-02315	201 202	< 0.01	481	1000	28	< 2	21	61	0.09	< 10	20	115	< 10	214
BB-02316	201 202	< 0.01	11	290	14	< 2	1	14	0.17	< 10	< 10	48	< 10	42
BB-02317	201 202	< 0.01	18	730	16	< 2	3	32	0.16	< 10	< 10	78	< 10	90
BB-02318	201 202	< 0.01	27	490	20	< 2	3	18	0.12	< 10	< 10	68	< 10	88
BB-02319	201 202	< 0.01	27	500	36	< 2	6	31	0.18	< 10	< 10	65	< 10	92
BB-02320	201 202	0.01	9	140	10	< 2	1	17	0.13	< 10	< 10	43	< 10	36
BB-02321	201 202	< 0.01	27	340	12	< 2	3	15	0.13	< 10	< 10	58	< 10	58
BB-02322	201 202	< 0.01	228	630	10	< 2	6	20	0.08	< 10	< 10	68	< 10	72
BB-02323	201 202	< 0.01	59	990	20	< 2	6	13	0.10	< 10	< 10	100	< 10	162
BB-02324	201 202	< 0.01	24	360	16	< 2	6	16	0.14	< 10	< 10	120	< 10	126
BB-02325	201 202	< 0.01	28	230	18	< 2	5	23	0.11	< 10	< 10	84	< 10	198
BB-02326	201 202	< 0.01	27	240	12	< 2	4	11	0.09	< 10	< 10	56	< 10	72
BB-02327	201 202	< 0.01	14	210	10	< 2	2	8	0.05	< 10	< 10	47	< 10	60
BB-02328	201 202	< 0.01	15	240	16	< 2	4	23	0.33	< 10	< 10	90	< 10	120
BB-02329	201 202	< 0.01	21	290	16	< 2	3	16	0.19	< 10	< 10	80	< 10	54
BB-02330	201 202	< 0.01	96	340	34	< 2	6	16	0.11	< 10	< 10	64	< 10	48

CERTIFICATION:

*Adrian Buchler*





# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

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 British Columbia, Canada V7J 2C1  
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Page 1 of 3-B  
 Total Pages 7  
 Certificate Date: 16-JUL-96  
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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	
BB-02331	201	202	0.01	48	490	10	< 2	5	23	0.10	< 10	< 10	44	< 10	50
BB-02332	201	202	< 0.01	14	140	10	< 2	3	6	0.08	< 10	< 10	51	< 10	58
BB-02333	201	202	< 0.01	14	640	14	< 2	3	11	0.11	< 10	< 10	58	< 10	50
BB-02334	201	202	< 0.01	95	790	16	< 2	7	33	0.14	< 10	< 10	66	< 10	176
BB-02335	201	202	< 0.01	25	820	22	< 2	6	23	0.22	< 10	< 10	169	< 10	156
BB-02336	201	202	< 0.01	30	140	14	< 2	4	16	0.09	< 10	< 10	58	< 10	226
BB-02337	201	202	< 0.01	35	240	16	< 2	4	26	0.10	< 10	< 10	62	< 10	232
BB-02338	201	202	0.01	< 1	120	6	< 2	< 1	4	0.01	< 10	< 10	4	< 10	20
BB-02339	201	202	< 0.01	109	220	8	< 2	11	20	0.19	< 10	10	175	< 10	84
BB-02340	201	202	< 0.01	26	270	16	< 2	3	9	0.10	< 10	< 10	50	< 10	60
BB-02341	201	202	< 0.01	39	560	16	< 2	7	76	0.17	< 10	< 10	92	< 10	46
BB-02342	201	202	< 0.01	13	230	8	< 2	2	8	0.08	< 10	< 10	40	< 10	54
BB-02343	201	202	< 0.01	23	420	12	< 2	4	13	0.11	< 10	< 10	53	< 10	60
BB-02344	201	202	< 0.01	33	820	12	< 2	4	18	0.09	< 10	< 10	41	< 10	54
BB-02345	201	202	< 0.01	15	220	16	< 2	3	15	0.14	< 10	< 10	44	< 10	50
BB-02346	201	202	< 0.01	9	280	14	< 2	2	21	0.16	< 10	< 10	56	< 10	54
BB-02347	201	202	< 0.01	15	190	18	< 2	3	16	0.15	< 10	< 10	59	< 10	64
BB-02348	201	202	< 0.01	20	600	18	< 2	3	20	0.17	< 10	< 10	63	< 10	84
BB-02349	201	202	< 0.01	44	530	20	< 2	4	17	0.12	< 10	< 10	49	< 10	68
BB-02350	201	202	< 0.01	14	300	14	< 2	3	10	0.10	< 10	< 10	56	< 10	122
BB-02351	201	202	< 0.01	14	390	14	< 2	3	15	0.09	< 10	< 10	52	< 10	116
BB-02352	201	202	< 0.01	19	440	14	< 2	4	13	0.09	< 10	< 10	47	< 10	66
BB-02353	201	202	< 0.01	29	280	12	< 2	4	9	0.06	< 10	< 10	51	< 10	74
BB-02354	201	202	< 0.01	35	870	22	< 2	3	9	0.04	< 10	< 10	55	< 10	188
BB-02355	201	202	< 0.01	23	670	10	< 2	3	9	0.08	< 10	< 10	56	< 10	52
BB-02356	201	202	< 0.01	20	830	14	< 2	3	9	0.09	< 10	< 10	47	< 10	64
BB-02357	201	202	< 0.01	14	450	8	< 2	3	9	0.08	< 10	< 10	36	< 10	60
BB-02358	201	202	< 0.01	17	800	16	< 2	3	9	0.11	< 10	< 10	59	< 10	66
BB-02359	201	202	< 0.01	25	710	18	< 2	4	8	0.11	< 10	< 10	80	< 10	68
BB-02360	201	202	< 0.01	7	200	6	< 2	1	4	0.05	< 10	< 10	24	< 10	42
BB-02361	201	202	< 0.01	20	390	14	< 2	3	11	0.10	< 10	< 10	55	< 10	60
BB-02362	201	202	< 0.01	17	780	14	< 2	3	7	0.07	< 10	< 10	45	< 10	72
BB-02363	201	202	< 0.01	17	600	16	< 2	4	8	0.09	< 10	< 10	56	< 10	80
BB-02364	201	202	< 0.01	9	770	18	< 2	1	5	0.05	< 10	< 10	34	< 10	44
BB-02365	201	202	< 0.01	12	460	10	< 2	2	4	0.05	< 10	< 10	29	< 10	30
BB-02366	201	202	< 0.01	9	370	12	< 2	1	5	0.06	< 10	< 10	38	< 10	28
BB-02367	201	202	< 0.01	13	470	16	< 2	2	6	0.08	< 10	< 10	50	< 10	42
BB-02368	201	202	< 0.01	21	500	14	< 2	4	16	0.09	< 10	< 10	50	< 10	62
BB-02369	201	202	< 0.01	16	650	20	< 2	3	10	0.10	< 10	< 10	59	< 10	152
BB-02370	201	202	< 0.01	18	760	16	< 2	3	18	0.08	< 10	< 10	46	< 10	54

CERTIFICATION: Hart Buchler



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SAMPLE	PREP CODE		Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo
			ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
BB-02371	201	202	0.6	8.34	4	370	1.5	< 2	0.08	0.5	4	65	32	3.71	10	1	0.04	10	0.39	75	4
BB-02372	201	202	< 0.2	3.76	< 2	190	0.5	< 2	0.12	0.5	10	68	13	5.59	10	< 1	0.13	< 10	1.25	380	3
BB-02373	201	202	< 0.2	2.15	< 2	120	0.5	< 2	0.21	0.5	9	36	7	2.83	10	< 1	0.12	10	0.65	560	1
BB-02374	201	202	0.2	2.90	4	70	1.0	< 2	0.08	< 0.5	4	34	9	2.73	10	1	0.06	10	0.44	190	1
BB-02375	201	202	< 0.2	1.50	< 2	70	0.5	< 2	0.07	< 0.5	4	23	7	1.41	< 10	< 1	0.07	10	0.37	125	< 1
BB-02376	201	202	< 0.2	1.73	< 2	40	0.5	< 2	0.09	< 0.5	3	20	5	1.55	< 10	< 1	0.04	10	0.22	95	1
BB-02377	201	202	< 0.2	2.18	< 2	80	0.5	< 2	0.07	< 0.5	4	29	6	2.48	< 10	< 1	0.06	10	0.30	115	1
BB-02378	201	202	< 0.2	1.74	< 2	90	0.5	< 2	0.16	< 0.5	4	28	6	1.82	< 10	< 1	0.08	10	0.38	125	< 1
BB-02379	201	202	< 0.2	5.05	< 2	180	0.5	< 2	0.67	2.0	37	254	44	7.07	10	1	0.10	< 10	3.16	1295	5
BB-02380	201	202	< 0.2	3.28	2	260	0.5	< 2	0.33	0.5	12	39	19	4.64	10	< 1	0.29	50	0.97	305	4
BB-02381	201	202	< 0.2	1.43	< 2	110	0.5	< 2	0.19	< 0.5	3	33	8	1.47	< 10	< 1	0.15	30	0.49	135	< 1
BB-02382	201	202	< 0.2	2.50	< 2	90	0.5	< 2	0.10	< 0.5	4	38	8	3.11	10	< 1	0.07	10	0.59	185	1
BB-02383	201	202	< 0.2	2.07	2	60	0.5	< 2	0.06	< 0.5	3	26	8	2.14	< 10	< 1	0.06	10	0.29	110	1
BB-02384	201	202	< 0.2	1.18	< 2	40	< 0.5	< 2	0.06	< 0.5	2	19	6	1.19	< 10	< 1	0.06	10	0.25	90	< 1
BB-02385	201	202	< 0.2	1.17	2	50	0.5	< 2	0.05	< 0.5	1	20	3	1.79	< 10	< 1	0.05	10	0.21	75	< 1
BB-02386	201	202	< 0.2	1.66	< 2	100	0.5	< 2	0.25	< 0.5	4	39	9	1.73	< 10	< 1	0.14	20	0.57	160	< 1
BB-02387	201	202	< 0.2	4.22	< 2	210	0.5	< 2	0.15	0.5	19	232	11	5.37	20	1	0.13	10	2.25	295	1
BB-02388	201	202	< 0.2	3.97	< 2	130	0.5	< 2	0.11	0.5	9	58	15	4.77	10	< 1	0.09	10	0.88	220	3
BB-02389	201	202	< 0.2	1.09	< 2	150	0.5	< 2	0.09	< 0.5	4	25	7	1.99	< 10	< 1	0.07	10	0.32	375	1
BB-02390	201	202	0.2	3.60	8	100	1.5	< 2	0.17	< 0.5	7	38	12	2.97	< 10	< 1	0.09	10	0.73	190	1
BB-02391	201	202	< 0.2	1.64	< 2	60	0.5	< 2	0.08	< 0.5	3	25	5	1.62	< 10	< 1	0.07	10	0.29	105	< 1
BB-02392	201	202	< 0.2	1.49	< 2	120	< 0.5	< 2	0.12	< 0.5	5	31	6	2.37	10	< 1	0.11	10	0.52	155	1
BB-02393	201	202	< 0.2	1.36	< 2	40	0.5	< 2	0.09	< 0.5	2	20	4	1.36	< 10	< 1	0.06	10	0.23	135	< 1
BB-02394	201	202	< 0.2	2.75	8	140	1.5	< 2	0.27	< 0.5	8	32	12	2.65	< 10	< 1	0.15	20	0.64	245	2
BB-02401	201	202	< 0.2	1.03	< 2	80	< 0.5	< 2	0.20	< 0.5	5	48	6	2.00	< 10	< 1	0.09	< 10	0.41	150	1
BB-02402	201	202	< 0.2	2.39	< 2	110	0.5	< 2	0.29	< 0.5	13	80	10	4.59	10	< 1	0.17	< 10	1.01	405	1
BB-02403	201	202	< 0.2	1.88	< 2	110	0.5	< 2	0.18	< 0.5	6	63	8	3.11	< 10	< 1	0.09	< 10	0.65	205	1
BB-02404	201	202	< 0.2	2.22	2	70	0.5	< 2	0.22	< 0.5	4	58	9	1.94	< 10	< 1	0.08	10	0.55	155	1
BB-02405	201	202	< 0.2	1.48	< 2	120	< 0.5	< 2	0.42	< 0.5	8	52	19	1.91	< 10	< 1	0.15	10	0.76	240	1
BB-02406	201	202	< 0.2	2.30	< 2	100	0.5	< 2	0.15	< 0.5	5	42	8	2.96	10	< 1	0.08	10	0.50	170	1
BB-02407	201	202	< 0.2	2.03	4	90	0.5	< 2	0.09	< 0.5	4	36	9	2.90	< 10	< 1	0.07	10	0.45	320	1
BB-02408	201	202	0.6	1.92	4	580	0.5	< 2	0.12	< 0.5	8	39	33	2.75	< 10	< 1	0.10	10	0.70	200	3
BB-02409	201	202	< 0.2	1.85	< 2	60	< 0.5	< 2	0.10	< 0.5	4	39	7	2.21	< 10	< 1	0.13	10	0.42	150	1
BB-02410	201	202	< 0.2	1.81	< 2	70	0.5	< 2	0.13	< 0.5	5	52	7	1.97	< 10	< 1	0.06	< 10	0.42	125	1
BB-02411	201	202	< 0.2	1.37	< 2	60	< 0.5	< 2	0.16	< 0.5	4	44	7	1.39	< 10	< 1	0.06	< 10	0.46	120	< 1
BB-02412	201	202	< 0.2	1.40	< 2	80	< 0.5	< 2	0.19	< 0.5	7	43	11	1.88	< 10	< 1	0.08	< 10	0.63	180	1
BB-02413	201	202	< 0.2	1.17	< 2	60	< 0.5	< 2	0.12	< 0.5	6	48	7	2.32	< 10	< 1	0.09	< 10	0.56	200	2
BB-02414	201	202	< 0.2	1.35	< 2	120	< 0.5	< 2	0.30	< 0.5	10	45	21	1.89	< 10	< 1	0.14	10	0.73	225	1
BB-02415	201	202	< 0.2	1.03	< 2	50	< 0.5	< 2	0.18	< 0.5	3	30	4	1.32	< 10	< 1	0.09	10	0.45	145	1
BB-02416	201	202	< 0.2	0.98	2	50	< 0.5	< 2	0.23	< 0.5	7	32	9	1.62	< 10	< 1	0.09	10	0.48	185	1

CERTIFICATION:

*Hart Buchler*



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Page Number : 4-B  
 Total Pages : 7  
 Certificate Date : 16-JUL-96  
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## CERTIFICATE OF ANALYSIS A9623415

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-02371	201 202	< 0.01	12	2290	34	< 2	11	13	0.14	< 10	10	81	< 10	54
BB-02372	201 202	< 0.01	18	980	26	< 2	8	9	0.28	< 10	< 10	156	< 10	156
BB-02373	201 202	< 0.01	13	620	14	< 2	4	13	0.10	< 10	< 10	61	< 10	162
BB-02374	201 202	< 0.01	12	1110	20	< 2	3	6	0.07	< 10	< 10	56	< 10	52
BB-02375	201 202	< 0.01	12	380	10	< 2	3	4	0.05	< 10	< 10	23	< 10	38
BB-02376	201 202	< 0.01	7	840	12	< 2	1	4	0.04	< 10	< 10	28	< 10	30
BB-02377	201 202	< 0.01	10	940	16	< 2	2	6	0.07	< 10	< 10	45	< 10	58
BB-02378	201 202	< 0.01	13	590	12	< 2	3	8	0.07	< 10	< 10	33	< 10	50
BB-02379	201 202	< 0.01	103	200	12	< 2	16	32	0.49	< 10	10	177	< 10	466
BB-02380	201 202	< 0.01	32	190	16	< 2	4	22	0.10	< 10	< 10	52	< 10	310
BB-02381	201 202	< 0.01	15	500	10	< 2	3	8	0.08	< 10	< 10	30	< 10	42
BB-02382	201 202	< 0.01	13	620	14	< 2	4	8	0.11	< 10	< 10	68	< 10	60
BB-02383	201 202	< 0.01	8	1040	14	< 2	2	5	0.06	< 10	< 10	38	< 10	40
BB-02384	201 202	< 0.01	9	780	10	< 2	1	3	0.04	< 10	< 10	22	< 10	26
BB-02385	201 202	< 0.01	6	650	8	< 2	1	4	0.06	< 10	< 10	39	< 10	24
BB-02386	201 202	< 0.01	19	740	16	< 2	3	10	0.08	< 10	< 10	36	< 10	60
BB-02387	201 202	< 0.01	110	160	62	< 2	10	31	0.28	< 10	< 10	190	< 10	192
BB-02388	201 202	< 0.01	19	320	32	< 2	6	9	0.16	< 10	< 10	110	< 10	114
BB-02389	201 202	< 0.01	11	1100	12	< 2	2	5	0.06	< 10	< 10	38	< 10	40
BB-02390	201 202	< 0.01	19	1010	22	< 2	3	10	0.08	< 10	< 10	51	< 10	62
BB-02391	201 202	< 0.01	10	1060	12	< 2	1	4	0.05	< 10	< 10	28	< 10	34
BB-02392	201 202	< 0.01	12	330	10	< 2	3	18	0.12	< 10	< 10	61	< 10	50
BB-02393	201 202	< 0.01	7	740	12	< 2	1	4	0.05	< 10	< 10	28	< 10	30
BB-02394	201 202	< 0.01	20	1290	22	< 2	4	16	0.08	< 10	< 10	44	< 10	60
BB-02401	201 202	< 0.01	12	410	10	< 2	2	18	0.10	< 10	< 10	49	< 10	32
BB-02402	201 202	< 0.01	23	1490	18	< 2	4	20	0.15	< 10	< 10	86	< 10	88
BB-02403	201 202	< 0.01	18	700	14	< 2	4	17	0.10	< 10	< 10	63	< 10	54
BB-02404	201 202	< 0.01	21	560	12	< 2	3	15	0.08	< 10	< 10	38	< 10	34
BB-02405	201 202	< 0.01	27	700	10	< 2	3	25	0.11	< 10	< 10	39	< 10	44
BB-02406	201 202	< 0.01	11	370	14	< 2	3	12	0.13	< 10	< 10	64	< 10	40
BB-02407	201 202	< 0.01	12	1310	14	< 2	3	7	0.08	< 10	< 10	71	< 10	50
BB-02408	201 202	< 0.01	35	530	14	< 2	4	11	0.08	< 10	< 10	65	< 10	110
BB-02409	201 202	< 0.01	11	450	14	< 2	2	9	0.08	< 10	< 10	43	< 10	38
BB-02410	201 202	< 0.01	20	330	12	< 2	3	9	0.07	< 10	< 10	38	< 10	30
BB-02411	201 202	< 0.01	17	420	12	< 2	2	9	0.07	< 10	< 10	30	< 10	30
BB-02412	201 202	< 0.01	23	280	12	< 2	3	12	0.09	< 10	< 10	34	< 10	36
BB-02413	201 202	< 0.01	15	390	14	< 2	2	10	0.10	< 10	< 10	58	< 10	42
BB-02414	201 202	< 0.01	32	530	14	< 2	3	18	0.09	< 10	< 10	34	< 10	50
BB-02415	201 202	< 0.01	8	160	8	< 2	2	14	0.11	< 10	< 10	34	< 10	30
BB-02416	201 202	< 0.01	18	290	10	< 2	2	17	0.08	< 10	< 10	26	< 10	30

CERTIFICATION:

*[Handwritten Signature]*



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Project : BUZZER  
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Page Number : 5-A  
 Total Pages : 7  
 Certificate Date : 16-JUL-96  
 Invoice No. : 19623415  
 P.O. Number :  
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## CERTIFICATE OF ANALYSIS A9623415

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-02417	201 202	< 0.2	1.46	< 2	120	< 0.5	< 2	0.42	< 0.5	5	26	5	1.83	< 10	< 1	0.22	< 10	0.64	170	1
BB-02418	201 202	< 0.2	1.51	< 2	60	< 0.5	< 2	0.23	< 0.5	6	44	13	1.92	< 10	< 1	0.08	< 10	0.54	165	< 1
BB-02419	201 202	< 0.2	1.31	< 2	80	< 0.5	< 2	0.17	< 0.5	4	48	5	1.97	< 10	< 1	0.07	< 10	0.34	135	< 1
BB-02420	201 202	< 0.2	1.75	< 2	70	0.5	< 2	0.10	< 0.5	5	49	9	2.18	< 10	< 1	0.06	< 10	0.49	160	1
BB-02421	201 202	< 0.2	1.28	2	100	0.5	< 2	0.21	< 0.5	5	35	7	1.91	< 10	< 1	0.13	10	0.62	170	1
BB-02422	201 202	< 0.2	2.29	< 2	120	0.5	< 2	0.11	< 0.5	6	42	11	2.49	< 10	< 1	0.06	10	0.51	170	1
BB-02428	201 202	< 0.2	2.09	< 2	950	0.5	< 2	0.17	< 0.5	7	47	15	2.49	< 10	< 1	0.16	10	0.78	435	< 1
BB-02429	201 202	< 0.2	1.30	< 2	120	< 0.5	< 2	0.40	< 0.5	7	40	8	1.70	< 10	< 1	0.14	10	0.72	250	1
BB-02430	201 202	< 0.2	1.69	< 2	130	0.5	< 2	0.19	< 0.5	7	48	12	1.97	< 10	< 1	0.09	10	0.63	180	1
BB-02431	201 202	< 0.2	1.48	2	110	0.5	< 2	0.14	< 0.5	8	57	14	2.17	< 10	< 1	0.08	< 10	0.65	185	< 1
BB-02432	201 202	< 0.2	1.78	< 2	130	0.5	< 2	0.12	< 0.5	6	61	7	2.66	< 10	< 1	0.05	< 10	0.57	160	1
BB-02433	201 202	< 0.2	1.80	2	110	0.5	< 2	0.11	< 0.5	7	48	8	2.78	< 10	< 1	0.07	< 10	0.56	170	1
BB-02434	201 202	< 0.2	1.45	< 2	110	< 0.5	< 2	0.11	< 0.5	6	52	9	2.74	< 10	< 1	0.11	< 10	0.60	255	2
BB-02435	201 202	< 0.2	1.40	2	110	< 0.5	< 2	0.15	< 0.5	9	52	8	2.68	< 10	< 1	0.14	< 10	0.78	230	< 1
BB-02436	201 202	< 0.2	2.26	2	160	1.0	< 2	0.15	< 0.5	9	45	11	2.41	< 10	< 1	0.11	10	0.66	200	1
BB-02437	201 202	< 0.2	1.91	< 2	150	0.5	< 2	0.24	< 0.5	7	71	15	2.72	< 10	< 1	0.09	< 10	0.75	235	5
BB-02438	201 202	< 0.2	2.03	2	110	0.5	< 2	0.25	< 0.5	10	53	11	2.56	< 10	< 1	0.17	10	0.76	245	1
BB-02439	201 202	< 0.2	1.79	< 2	110	0.5	< 2	0.14	< 0.5	7	48	13	2.96	< 10	< 1	0.08	10	0.66	215	1
BB-02440	201 202	< 0.2	1.98	< 2	150	0.5	< 2	0.17	< 0.5	7	53	9	2.92	< 10	< 1	0.16	< 10	0.72	230	1
BB-02441	201 202	< 0.2	1.25	< 2	80	0.5	< 2	0.26	< 0.5	6	26	16	1.87	< 10	< 1	0.14	10	0.58	225	1
BB-02442	201 202	< 0.2	1.64	< 2	210	0.5	< 2	0.07	< 0.5	8	52	10	2.76	10	< 1	0.18	10	0.73	205	< 1
BB-02443	201 202	< 0.2	1.04	2	90	0.5	< 2	0.04	< 0.5	3	28	4	1.39	< 10	< 1	0.09	10	0.35	110	< 1
BB-02445	201 202	0.2	1.61	20	220	0.5	< 2	0.18	0.5	11	24	22	4.84	< 10	< 1	0.18	< 10	0.31	605	3
BB-02446	201 202	0.2	1.24	< 2	260	0.5	< 2	0.04	< 0.5	8	18	48	4.48	< 10	< 1	0.27	< 10	0.49	325	3
BB-02447	201 202	< 0.2	2.65	< 2	80	1.5	< 2	0.09	< 0.5	5	42	7	2.24	< 10	< 1	0.05	10	0.80	140	< 1
BB-02448	201 202	< 0.2	1.90	2	80	1.0	< 2	0.07	< 0.5	3	24	4	1.77	< 10	< 1	0.06	10	0.30	100	< 1
BB-02449	201 202	< 0.2	2.87	2	110	0.5	< 2	0.14	< 0.5	8	50	7	3.42	10	< 1	0.14	< 10	0.90	300	2
BB-02450	201 202	< 0.2	1.59	8	100	0.5	< 2	0.06	< 0.5	7	17	16	2.95	< 10	< 1	0.07	10	0.25	225	4
BB-02451	201 202	1.4	3.57	4	570	4.5	< 2	1.15	2.0	23	69	194	6.14	10	< 1	0.27	50	0.75	1470	5
BB-02452	201 202	< 0.2	1.50	2	190	< 0.5	< 2	0.08	< 0.5	3	14	23	3.19	< 10	< 1	0.14	10	0.70	260	3
BB-02453	201 202	< 0.2	1.37	< 2	210	0.5	< 2	0.22	< 0.5	7	38	23	2.35	< 10	< 1	0.15	20	0.47	245	1
BB-02454	201 202	0.2	1.88	< 2	180	1.5	< 2	0.13	< 0.5	15	42	18	3.09	< 10	< 1	0.13	10	0.71	310	4
BB-02455	201 202	< 0.2	0.98	< 2	80	< 0.5	< 2	0.09	< 0.5	4	22	4	1.28	< 10	< 1	0.08	10	0.35	115	1
BB-02456	201 202	< 0.2	1.96	< 2	140	0.5	< 2	0.21	< 0.5	8	51	10	2.70	10	< 1	0.14	10	0.91	215	1
BB-02457	201 202	< 0.2	2.05	4	110	0.5	< 2	0.18	0.5	7	35	11	2.91	10	< 1	0.13	10	0.75	215	1
BB-02458	201 202	< 0.2	1.75	2	160	0.5	< 2	0.30	< 0.5	9	45	14	2.88	< 10	< 1	0.17	10	0.79	330	2
BB-02459	201 202	< 0.2	2.22	6	210	2.0	< 2	0.09	0.5	13	70	47	4.14	< 10	< 1	0.38	10	0.96	635	4
BB-02460	201 202	0.2	1.89	2	360	1.0	< 2	0.41	< 0.5	12	46	37	2.90	< 10	< 1	0.18	10	0.66	460	3
BB-02461	201 202	< 0.2	5.07	6	450	2.0	< 2	0.64	0.5	25	239	54	5.27	20	1	0.22	10	2.92	1145	3
BB-02462	201 202	< 0.2	0.35	72	90	1.0	6	0.01	0.5	16	9	102	3.44	< 10	< 1	0.09	10	0.03	970	4

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## CERTIFICATE OF ANALYSIS A9623415

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-02417	201	202	< 0.01	9	300	8	< 2	2	24	0.19	< 10	< 10	37	< 10	30
BB-02418	201	202	< 0.01	18	470	12	< 2	3	16	0.09	< 10	< 10	33	< 10	32
BB-02419	201	202	< 0.01	12	360	12	< 2	2	14	0.09	< 10	< 10	44	< 10	36
BB-02420	201	202	< 0.01	18	320	12	< 2	3	7	0.07	< 10	< 10	35	< 10	36
BB-02421	201	202	< 0.01	15	470	12	< 2	3	11	0.09	< 10	< 10	43	< 10	36
BB-02422	201	202	< 0.01	15	480	14	< 2	3	12	0.09	< 10	< 10	44	< 10	54
BB-02428	201	202	< 0.01	25	440	14	< 2	4	12	0.09	< 10	< 10	53	< 10	58
BB-02429	201	202	< 0.01	17	350	10	< 2	3	19	0.10	< 10	< 10	32	< 10	44
BB-02430	201	202	< 0.01	28	220	14	< 2	3	15	0.08	< 10	< 10	36	< 10	40
BB-02431	201	202	< 0.01	34	210	12	< 2	3	11	0.08	< 10	< 10	39	< 10	38
BB-02432	201	202	< 0.01	18	230	14	< 2	3	11	0.09	< 10	< 10	59	< 10	38
BB-02433	201	202	< 0.01	16	320	14	< 2	2	9	0.10	< 10	< 10	48	< 10	42
BB-02434	201	202	< 0.01	14	610	14	< 2	3	8	0.10	< 10	< 10	69	< 10	48
BB-02435	201	202	< 0.01	23	420	12	< 2	3	13	0.11	< 10	< 10	63	< 10	52
BB-02436	201	202	< 0.01	25	410	18	< 2	4	9	0.07	< 10	< 10	41	< 10	48
BB-02437	201	202	< 0.01	32	370	12	< 2	4	17	0.11	< 10	< 10	70	< 10	60
BB-02438	201	202	< 0.01	31	320	14	< 2	3	14	0.12	< 10	< 10	41	< 10	40
BB-02439	201	202	< 0.01	23	250	14	< 2	3	13	0.11	< 10	< 10	49	< 10	58
BB-02440	201	202	< 0.01	21	210	14	< 2	3	10	0.13	< 10	< 10	55	< 10	42
BB-02441	201	202	< 0.01	16	590	8	< 2	3	10	0.06	< 10	< 10	32	< 10	42
BB-02442	201	202	< 0.01	24	690	16	< 2	4	5	0.12	< 10	< 10	68	< 10	130
BB-02443	201	202	< 0.01	13	310	12	< 2	1	3	0.04	< 10	< 10	24	< 10	52
BB-02445	201	202	< 0.01	23	570	20	< 2	3	10	0.02	< 10	< 10	59	< 10	182
BB-02446	201	202	< 0.01	29	420	16	< 2	4	12	0.04	< 10	< 10	70	< 10	152
BB-02447	201	202	< 0.01	13	650	16	< 2	3	5	0.11	< 10	< 10	43	< 10	32
BB-02448	201	202	< 0.01	10	300	14	< 2	1	4	0.05	< 10	< 10	25	< 10	30
BB-02449	201	202	< 0.01	22	700	20	< 2	4	10	0.08	< 10	< 10	76	< 10	116
BB-02450	201	202	< 0.01	18	240	18	< 2	1	6	0.03	< 10	< 10	29	< 10	218
BB-02451	201	202	< 0.01	184	650	28	< 2	8	58	0.07	< 10	10	75	< 10	432
BB-02452	201	202	< 0.01	9	330	12	< 2	2	8	0.04	< 10	< 10	69	< 10	118
BB-02453	201	202	< 0.01	23	410	12	< 2	4	11	0.05	< 10	< 10	41	< 10	64
BB-02454	201	202	< 0.01	26	270	18	< 2	3	12	0.09	< 10	< 10	59	< 10	82
BB-02455	201	202	< 0.01	9	100	10	< 2	1	7	0.07	< 10	< 10	36	< 10	84
BB-02456	201	202	< 0.01	30	360	18	< 2	4	10	0.09	< 10	< 10	64	< 10	104
BB-02457	201	202	< 0.01	21	350	16	< 2	4	9	0.10	< 10	< 10	57	< 10	74
BB-02458	201	202	< 0.01	28	240	14	< 2	3	21	0.07	< 10	< 10	57	< 10	122
BB-02459	201	202	< 0.01	32	400	22	< 2	4	6	0.04	< 10	< 10	62	< 10	258
BB-02460	201	202	< 0.01	31	500	18	< 2	4	24	0.05	< 10	< 10	55	< 10	94
BB-02461	201	202	0.01	51	500	24	< 2	15	39	0.21	< 10	10	172	< 10	224
BB-02462	201	202	< 0.01	51	490	52	< 2	1	6	< 0.01	< 10	< 10	25	< 10	244

CERTIFICATION:

*Hart Buchler*



# 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

Page 1 of 6-A  
 Total Pages 7  
 Certificate Date: 16-JUL-96  
 Invoice No.: 19623415  
 P.O. Number :  
 Account : MPO

Project : BUZZER  
 Comments :

## CERTIFICATE OF ANALYSIS A9623415

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-02463	201 202	0.8	5.06	8	170	2.0	< 2	0.25	1.0	9	43	15	4.13	10	< 1	0.13	10	0.71	190	1
BB-02464	201 202	0.2	0.88	< 2	120	0.5	< 2	0.16	0.5	6	35	47	3.47	< 10	< 1	0.12	< 10	0.37	215	2
BB-02465	201 202	< 0.2	0.90	4	50	< 0.5	< 2	0.09	< 0.5	3	27	3	1.11	< 10	< 1	0.06	20	0.31	85	< 1
BB-02466	201 202	2.0	1.69	12	370	2.0	< 2	0.65	2.5	13	25	84	3.46	< 10	< 1	0.17	20	0.37	1045	1
BB-02467	201 202	< 0.2	2.66	< 2	230	1.5	< 2	0.25	< 0.5	13	47	15	4.49	< 10	< 1	0.48	10	1.04	605	< 1
BB-02468	201 202	1.2	2.31	16	800	2.0	< 2	0.37	1.0	18	102	52	5.63	< 10	< 1	0.25	10	1.04	675	1
BB-02469	201 202	0.4	1.29	6	480	1.0	< 2	0.10	1.5	11	41	39	4.71	< 10	< 1	0.21	10	0.48	645	2
BB-02470	201 202	0.2	0.50	16	140	0.5	< 2	0.09	1.5	9	20	58	4.44	< 10	< 1	0.12	10	0.09	675	5
BB-02471	201 202	0.6	0.74	2	300	1.5	< 2	0.18	2.0	19	19	111	4.56	< 10	< 1	0.16	20	0.25	1750	3
BB-02472	201 202	0.6	1.75	< 2	600	0.5	4	0.26	1.5	7	26	32	4.04	< 10	< 1	0.69	< 10	0.77	375	2
BB-02473	201 202	< 0.2	1.01	2	180	< 0.5	< 2	0.18	< 0.5	5	28	9	1.70	< 10	< 1	0.21	10	0.47	415	< 1
BB-02474	201 202	< 0.2	1.21	< 2	120	< 0.5	< 2	0.17	< 0.5	5	28	6	2.23	< 10	< 1	0.14	10	0.42	175	< 1
BB-02475	201 202	< 0.2	1.65	< 2	110	0.5	< 2	0.17	0.5	8	28	9	2.80	< 10	< 1	0.11	10	0.50	445	< 1
BB-02476	201 202	4.0	2.52	10	790	5.5	2	0.86	3.0	17	42	163	5.00	< 10	< 1	0.21	30	0.48	4440	4
BB-04251	201 202	< 0.2	4.88	< 2	380	0.5	< 2	0.93	< 0.5	19	184	20	5.80	10	< 1	0.37	10	2.65	505	1
BB-04252	201 202	< 0.2	1.09	< 2	120	< 0.5	< 2	0.08	< 0.5	3	17	6	1.24	< 10	< 1	0.08	10	0.24	100	< 1
BB-04253	201 202	0.4	3.43	24	540	3.5	< 2	0.87	0.5	27	52	97	5.11	< 10	< 1	0.36	150	0.69	1530	4
BB-04254	201 202	0.2	2.13	14	360	1.5	< 2	0.59	0.5	14	49	43	3.90	< 10	< 1	0.15	30	0.81	730	1
BB-04255	201 202	0.6	2.35	16	520	2.0	< 2	0.28	0.5	10	106	45	3.94	< 10	< 1	0.11	10	0.98	265	4
BB-04256	201 202	0.4	2.19	6	110	0.5	< 2	0.06	< 0.5	6	85	9	2.46	< 10	< 1	0.13	10	0.98	165	< 1
BB-04257	201 202	0.2	1.16	< 2	90	0.5	< 2	0.08	0.5	4	28	6	1.74	< 10	< 1	0.09	10	0.31	170	< 1
BB-04258	201 202	< 0.2	1.59	< 2	180	0.5	< 2	0.16	< 0.5	6	96	11	2.62	< 10	< 1	0.26	< 10	1.13	185	< 1
BB-04259	201 202	2.2	3.89	20	630	7.5	< 2	1.30	0.5	16	85	272	3.79	< 10	< 1	0.15	380	0.92	1025	2
BB-04260	201 202	< 0.2	1.65	< 2	100	1.0	< 2	0.13	< 0.5	5	30	7	2.38	< 10	< 1	0.10	10	0.46	200	< 1
BB-04261	201 202	< 0.2	1.75	8	90	1.0	< 2	0.08	< 0.5	5	32	3	1.72	< 10	< 1	0.11	10	0.43	115	< 1
BB-04262	201 202	< 0.2	0.92	< 2	40	< 0.5	< 2	0.05	< 0.5	1	12	1	0.81	< 10	< 1	0.07	20	0.23	135	< 1
BB-04263	201 202	< 0.2	1.45	< 2	90	1.5	2	0.20	< 0.5	3	9	2	1.35	< 10	< 1	0.09	20	0.16	720	< 1
BB-04264	201 202	< 0.2	1.35	< 2	50	0.5	< 2	0.07	< 0.5	2	7	3	2.11	< 10	< 1	0.06	20	0.09	185	< 1
BB-04265	201 202	< 0.2	2.70	< 2	110	2.0	< 2	0.08	< 0.5	5	31	6	2.58	< 10	< 1	0.13	20	0.59	180	< 1
BB-04266	201 202	0.2	1.73	< 2	80	0.5	< 2	0.07	< 0.5	3	31	4	1.85	< 10	< 1	0.10	20	0.43	115	< 1
BB-04267	201 202	< 0.2	2.57	< 2	80	1.0	< 2	0.05	< 0.5	4	36	12	2.90	< 10	< 1	0.10	10	0.44	180	< 1
BB-04269	201 202	0.2	1.51	< 2	90	0.5	< 2	0.08	< 0.5	4	35	4	1.89	< 10	< 1	0.11	20	0.43	120	< 1
BB-04270	201 202	< 0.2	1.23	< 2	50	0.5	< 2	0.10	< 0.5	3	20	4	1.23	< 10	< 1	0.09	10	0.30	95	< 1
BB-04271	201 202	< 0.2	0.90	< 2	30	< 0.5	< 2	0.04	< 0.5	1	14	< 1	1.44	< 10	< 1	0.06	10	0.20	70	< 1
BB-04272	201 202	< 0.2	0.95	2	50	< 0.5	< 2	0.04	< 0.5	3	16	1	1.31	< 10	< 1	0.08	10	0.30	90	< 1
BB-04273	201 202	< 0.2	2.48	8	90	1.0	< 2	0.06	< 0.5	5	29	6	2.69	< 10	< 1	0.08	10	0.54	190	< 1
BB-04274	201 202	< 0.2	1.81	< 2	60	0.5	< 2	0.03	< 0.5	1	12	4	1.56	< 10	< 1	0.06	10	0.13	80	< 1
BB-04275	201 202	< 0.2	1.02	2	70	0.5	< 2	0.13	< 0.5	4	28	5	1.25	< 10	< 1	0.09	30	0.40	105	< 1
BB-04276	201 202	< 0.2	1.34	< 2	80	1.5	2	0.07	< 0.5	3	24	4	1.66	< 10	< 1	0.11	10	0.31	160	< 1
BB-04277	201 202	< 0.2	1.16	< 2	80	0.5	< 2	0.15	< 0.5	5	35	8	1.59	< 10	< 1	0.16	20	0.48	185	< 1

CERTIFICATION:

*Handwritten signature*



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

212 Brooksbank Ave., North Vancouver  
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 C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
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 V6B 1L8

Project: BUZZER  
 Comments:

Page Number: 6-B  
 Total Pages: 7  
 Certificate Date: 16-JUL-96  
 Invoice No.: 19623415  
 P.O. Number:  
 Account: MPO

## CERTIFICATE OF ANALYSIS A9623415

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-02463	201 202	0.01	18	460	20	2	5	18	0.12	< 10	< 10	70	< 10	58
BB-02464	201 202	< 0.01	24	330	12	< 2	2	10	0.05	< 10	< 10	109	< 10	144
BB-02465	201 202	0.01	10	160	8	< 2	1	7	0.05	< 10	< 10	29	< 10	32
BB-02466	201 202	0.01	63	490	20	< 2	4	35	0.02	< 10	< 10	46	< 10	246
BB-02467	201 202	< 0.01	25	480	18	< 2	5	15	0.08	< 10	< 10	97	< 10	148
BB-02468	201 202	< 0.01	81	380	14	< 2	7	23	0.08	< 10	< 10	114	< 10	330
BB-02469	201 202	< 0.01	39	1100	20	< 2	4	12	0.04	< 10	< 10	88	< 10	166
BB-02470	201 202	< 0.01	45	420	16	< 2	2	8	0.01	< 10	< 10	86	< 10	222
BB-02471	201 202	< 0.01	76	420	10	< 2	4	15	< 0.01	< 10	< 10	37	< 10	196
BB-02472	201 202	< 0.01	29	610	24	< 2	3	31	0.12	< 10	< 10	55	< 10	220
BB-02473	201 202	0.02	11	480	10	< 2	3	8	0.07	< 10	< 10	44	< 10	62
BB-02474	201 202	< 0.01	11	390	12	< 2	2	14	0.07	< 10	< 10	56	< 10	74
BB-02475	201 202	0.01	16	630	16	< 2	3	11	0.07	< 10	< 10	51	< 10	60
BB-02476	201 202	0.01	98	1270	26	< 2	8	60	0.01	< 10	< 10	84	< 10	328
BB-04251	201 202	< 0.01	69	370	10	2	12	26	0.33	< 10	< 10	148	< 10	176
BB-04252	201 202	< 0.01	8	120	16	< 2	1	7	0.05	< 10	< 10	40	< 10	38
BB-04253	201 202	< 0.01	67	1700	54	< 2	6	60	0.03	< 10	< 10	61	< 10	344
BB-04254	201 202	0.01	38	600	18	< 2	5	32	0.04	< 10	< 10	64	< 10	228
BB-04255	201 202	< 0.01	71	430	16	< 2	5	24	0.07	< 10	< 10	79	< 10	182
BB-04256	201 202	< 0.01	40	260	12	< 2	4	5	0.08	< 10	< 10	60	< 10	56
BB-04257	201 202	0.02	14	870	18	< 2	1	8	0.05	< 10	< 10	35	< 10	86
BB-04258	201 202	0.01	42	330	10	< 2	4	9	0.08	< 10	< 10	70	< 10	68
BB-04259	201 202	0.01	184	2240	38	< 2	12	89	0.03	< 10	130	51	< 10	134
BB-04260	201 202	0.01	17	850	22	< 2	2	9	0.04	< 10	< 10	34	< 10	62
BB-04261	201 202	0.01	18	260	10	< 2	2	7	0.05	< 10	< 10	30	< 10	40
BB-04262	201 202	0.01	4	150	12	< 2	1	5	0.04	< 10	< 10	16	< 10	50
BB-04263	201 202	0.03	4	660	42	< 2	< 1	12	< 0.01	< 10	< 10	15	< 10	144
BB-04264	201 202	0.02	3	820	18	< 2	< 1	6	0.01	< 10	< 10	19	< 10	138
BB-04265	201 202	0.01	17	420	18	< 2	3	6	0.04	< 10	< 10	35	< 10	118
BB-04266	201 202	0.01	14	420	8	< 2	2	6	0.06	< 10	< 10	32	< 10	50
BB-04267	201 202	0.01	19	1910	22	2	3	6	0.06	< 10	< 10	53	< 10	86
BB-04269	201 202	< 0.01	15	610	12	< 2	2	6	0.05	< 10	< 10	36	< 10	50
BB-04270	201 202	0.01	13	460	14	< 2	1	5	0.03	< 10	< 10	20	< 10	34
BB-04271	201 202	< 0.01	5	660	12	< 2	1	4	0.03	< 10	< 10	22	< 10	40
BB-04272	201 202	0.01	6	160	8	< 2	1	4	0.06	< 10	< 10	34	< 10	52
BB-04273	201 202	< 0.01	13	540	14	< 2	3	5	0.06	< 10	< 10	44	< 10	110
BB-04274	201 202	0.01	4	520	12	< 2	1	4	0.03	< 10	< 10	28	< 10	70
BB-04275	201 202	0.01	16	510	14	< 2	1	7	0.04	< 10	< 10	22	< 10	36
BB-04276	201 202	0.02	13	350	20	< 2	1	6	0.03	< 10	< 10	24	< 10	66
BB-04277	201 202	0.01	18	520	12	< 2	2	9	0.06	< 10	< 10	33	< 10	48

CERTIFICATION:

*[Handwritten signature]*



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Page Number : 7-A  
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## CERTIFICATE OF ANALYSIS A9623415

SAMPLE	PREP CODE		Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo
			ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
BB-04278	201	202	< 0.2	1.77	< 2	70	0.5	< 2	0.05	< 0.5	3	23	3	1.77	< 10	< 1	0.08	10	0.34	95	< 1
BB-04279	201	202	< 0.2	2.16	< 2	100	1.5	< 2	0.08	< 0.5	4	19	4	2.00	< 10	< 1	0.11	10	0.35	120	< 1
BB-04280	201	202	< 0.2	1.79	< 2	80	0.5	< 2	0.05	< 0.5	3	22	3	2.47	< 10	< 1	0.10	10	0.36	120	< 1
BB-04281	201	202	< 0.2	2.38	< 2	90	1.0	< 2	0.05	< 0.5	4	32	4	1.90	< 10	< 1	0.07	10	0.39	105	< 1
BB-04282	201	202	< 0.2	1.23	< 2	50	0.5	< 2	0.08	< 0.5	3	25	5	1.80	< 10	< 1	0.08	20	0.33	115	< 1
BB-04283	201	202	< 0.2	0.97	< 2	70	< 0.5	< 2	0.09	< 0.5	3	24	4	1.28	< 10	< 1	0.11	30	0.38	100	< 1
BB-04284	201	202	< 0.2	1.97	2	80	1.0	< 2	0.11	< 0.5	3	27	8	1.91	< 10	< 1	0.11	10	0.45	150	< 1

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SAMPLE	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Tl %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB-04278	201 202	< 0.01	10	590	10	< 2	1	5	0.05	< 10	< 10	29	< 10	54
BB-04279	201 202	0.01	9	980	14	< 2	1	6	0.05	< 10	< 10	29	< 10	150
BB-04280	201 202	< 0.01	8	570	12	< 2	1	5	0.07	< 10	< 10	45	< 10	82
BB-04281	201 202	< 0.01	13	580	12	< 2	2	5	0.05	< 10	< 10	34	< 10	60
BB-04282	201 202	0.01	12	490	14	< 2	1	6	0.03	< 10	< 10	31	< 10	44
BB-04283	201 202	0.01	12	240	8	< 2	1	7	0.05	< 10	< 10	27	< 10	42
BB-04284	201 202	0.01	12	770	12	< 2	2	4	0.05	< 10	< 10	35	< 10	80

CERTIFICATION: *[Signature]*



# 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 : BUZZER  
 Comments :

Page Number : 1-A  
 Total Pages : 6  
 Certificate Date: 17-JUL-96  
 Invoice No. : I9623414  
 P.O. Number :  
 Account : MPO

## CERTIFICATE OF ANALYSIS A9623414

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-02001	201 202	< 0.2	1.65	2	90	0.5	< 2	0.07	< 0.5	4	37	15	2.28	< 10	< 1	0.13	10	0.54	170	< 1
BB-02002	201 202	< 0.2	3.02	2	670	2.5	< 2	0.58	< 0.5	14	57	60	4.19	10	< 1	0.37	80	0.54	825	4
BB-02003	201 202	1.2	1.74	2	380	1.5	< 2	0.92	< 0.5	10	36	30	2.47	< 10	< 1	0.11	30	0.35	500	< 1
BB-02004	201 202	< 0.2	0.55	2	120	< 0.5	< 2	0.11	< 0.5	5	10	32	1.37	< 10	< 1	0.06	10	0.04	100	1
BB-02005	201 202	< 0.2	1.62	6	200	< 0.5	< 2	0.25	< 0.5	9	36	32	3.25	< 10	< 1	0.15	10	0.50	305	2
BB-02006	201 202	0.2	1.65	< 2	290	0.5	< 2	0.48	< 0.5	9	42	21	2.28	< 10	< 1	0.25	20	0.62	540	1
BB-02007	201 202	< 0.2	1.93	6	160	0.5	< 2	0.11	< 0.5	7	48	17	3.52	10	< 1	0.14	10	0.67	335	1
BB-02009	201 202	< 0.2	1.89	10	180	0.5	< 2	0.12	< 0.5	5	40	9	2.37	< 10	< 1	0.14	10	0.64	215	< 1
BB-02010	201 202	< 0.2	1.90	6	280	0.5	< 2	0.19	< 0.5	8	44	16	2.87	< 10	< 1	0.08	10	0.82	265	< 1
BB-02011	201 202	0.2	1.71	6	120	0.5	< 2	0.05	< 0.5	7	41	18	3.23	< 10	< 1	0.14	10	0.46	295	1
BB-02012	201 202	< 0.2	1.59	6	170	0.5	< 2	0.12	< 0.5	7	34	20	2.44	< 10	< 1	0.18	10	0.46	260	1
BB-02013	201 202	< 0.2	1.78	6	280	0.5	< 2	0.44	< 0.5	8	58	24	2.53	< 10	< 1	0.18	10	0.83	235	2
BB-02014	201 202	1.2	1.59	58	360	0.5	< 2	2.07	0.5	14	105	25	2.36	< 10	< 1	0.17	< 10	0.71	865	1
BB-02015	201 202	0.6	1.85	16	160	0.5	< 2	0.07	< 0.5	9	36	42	3.44	10	< 1	0.13	10	0.36	315	13
BB-02016	201 202	0.2	1.61	< 2	230	0.5	< 2	0.35	< 0.5	15	37	19	2.36	< 10	1	0.11	30	0.67	775	2
BB-02017	201 202	< 0.2	1.77	2	210	0.5	< 2	0.17	< 0.5	6	42	12	2.24	< 10	< 1	0.16	10	0.69	235	1
BB-02018	201 202	< 0.2	3.40	2	260	0.5	< 2	0.04	< 0.5	12	97	24	4.47	10	< 1	0.46	< 10	1.68	410	1
BB-02019	201 202	< 0.2	4.68	8	410	0.5	< 2	0.18	0.5	19	104	22	4.84	10	< 1	0.38	10	1.92	445	1
BB-02020	201 202	0.2	1.15	6	70	< 0.5	< 2	0.03	< 0.5	4	25	17	2.57	< 10	< 1	0.08	< 10	0.28	135	3
BB-02021	201 202	0.6	1.43	2	80	< 0.5	< 2	0.05	< 0.5	4	25	10	2.07	< 10	< 1	0.08	10	0.29	130	2
BB-02022	201 202	< 0.2	2.27	6	280	< 0.5	< 2	0.04	< 0.5	5	38	29	3.43	10	< 1	0.34	20	0.65	320	2
BB-02023	201 202	< 0.2	1.65	30	110	< 0.5	< 2	0.04	< 0.5	9	69	31	3.27	10	< 1	0.13	10	0.66	255	< 1
BB-02024	201 202	< 0.2	1.64	8	180	< 0.5	< 2	0.24	< 0.5	10	119	22	2.83	< 10	< 1	0.10	10	0.89	280	< 1
BB-02025	201 202	< 0.2	1.12	8	160	< 0.5	< 2	0.16	< 0.5	6	41	19	2.31	10	< 1	0.12	10	0.35	150	1
BB-02026	201 202	< 0.2	1.71	18	150	< 0.5	< 2	0.05	< 0.5	6	31	32	3.79	10	< 1	0.18	10	0.38	340	1
BB-02027	201 202	< 0.2	2.37	10	100	0.5	< 2	0.10	< 0.5	7	58	18	3.88	< 10	1	0.15	10	0.74	240	2
BB-02028	201 202	< 0.2	1.72	6	120	< 0.5	< 2	0.10	< 0.5	5	47	16	2.45	< 10	< 1	0.17	10	0.61	220	1
BB-02029	201 202	< 0.2	3.01	6	180	0.5	< 2	0.11	< 0.5	9	83	32	4.07	10	< 1	0.28	10	1.47	390	4
BB-02030	201 202	< 0.2	2.55	6	130	0.5	< 2	0.07	< 0.5	8	38	21	4.11	< 10	< 1	0.28	10	0.71	325	1
BB-02031	201 202	< 0.2	2.57	44	280	0.5	< 2	0.22	< 0.5	32	758	26	5.21	< 10	< 1	0.11	10	2.18	835	< 1
BB-02032	201 202	< 0.2	1.99	< 2	70	< 0.5	< 2	0.19	< 0.5	13	138	27	2.77	< 10	< 1	0.05	< 10	0.86	225	< 1
BB-02033	201 202	< 0.2	2.38	8	100	0.5	< 2	0.13	< 0.5	16	101	18	3.64	< 10	< 1	0.26	10	1.12	705	< 1
BB-02034	201 202	< 0.2	1.99	8	90	< 0.5	< 2	0.13	< 0.5	8	103	12	3.12	< 10	< 1	0.13	10	0.92	205	< 1
BB-02035	201 202	< 0.2	2.12	6	90	< 0.5	< 2	0.05	< 0.5	9	28	22	3.93	10	< 1	0.29	10	0.54	230	< 1
BB-02036	201 202	0.2	1.44	< 2	460	< 0.5	< 2	0.09	< 0.5	5	30	28	2.05	< 10	< 1	0.15	10	0.32	200	1
BB-02037	201 202	0.2	3.07	2	170	0.5	< 2	0.09	< 0.5	7	50	23	3.28	< 10	< 1	0.17	10	0.73	260	2
BB-02038	201 202	< 0.2	1.94	10	140	< 0.5	< 2	0.08	< 0.5	7	48	20	3.30	10	< 1	0.15	10	0.66	235	< 1
BB-02039	201 202	0.4	2.72	38	180	0.5	< 2	0.11	1.0	17	66	26	5.41	< 10	< 1	0.15	10	1.13	810	2
BB-02040	201 202	< 0.2	1.53	8	80	< 0.5	< 2	0.16	< 0.5	8	43	15	2.91	< 10	< 1	0.10	10	0.56	200	< 1
BB-02041	201 202	< 0.2	2.55	2	60	0.5	< 2	0.14	< 0.5	9	83	18	4.04	10	< 1	0.20	< 10	0.97	220	< 1

CERTIFICATION:

*Hart Buchler*



# Chemex Labs Ltd.

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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
BB-02001	201 202	< 0.01	17	230	10	< 2	3	7	0.08	< 10	< 10	49	< 10	52
BB-02002	201 202	0.01	29	980	28	< 2	3	36	0.05	< 10	< 10	97	< 10	152
BB-02003	201 202	0.03	28	520	12	2	3	40	0.04	< 10	< 10	51	< 10	74
BB-02004	201 202	0.05	19	400	2	< 2	< 1	14	< 0.01	< 10	< 10	31	< 10	64
BB-02005	201 202	0.02	26	310	12	< 2	2	21	0.05	< 10	< 10	75	< 10	88
BB-02006	201 202	0.03	23	500	6	2	4	26	0.10	< 10	< 10	55	< 10	84
BB-02007	201 202	< 0.01	23	300	10	< 2	4	11	0.11	< 10	< 10	99	< 10	70
BB-02009	201 202	0.01	14	120	10	< 2	4	11	0.10	< 10	< 10	65	< 10	50
BB-02010	201 202	< 0.01	19	220	10	< 2	5	12	0.10	< 10	< 10	74	< 10	58
BB-02011	201 202	< 0.01	22	390	14	< 2	3	5	0.10	< 10	< 10	86	< 10	68
BB-02012	201 202	0.01	17	280	16	4	3	12	0.08	< 10	< 10	75	< 10	60
BB-02013	201 202	0.01	27	260	12	< 2	4	23	0.09	< 10	< 10	90	< 10	88
BB-02014	201 202	0.03	81	1200	10	< 2	4	60	0.04	< 10	< 10	60	< 10	84
BB-02015	201 202	< 0.01	32	760	16	< 2	4	9	0.07	< 10	< 10	94	< 10	136
BB-02016	201 202	0.01	21	380	6	< 2	3	17	0.09	< 10	< 10	61	< 10	68
BB-02017	201 202	< 0.01	18	210	10	< 2	3	10	0.09	< 10	< 10	59	< 10	64
BB-02018	201 202	< 0.01	38	200	10	4	10	3	0.19	< 10	10	133	< 10	126
BB-02019	201 202	< 0.01	40	570	10	8	10	9	0.25	< 10	10	141	< 10	124
BB-02020	201 202	< 0.01	16	440	10	< 2	1	5	0.09	< 10	< 10	86	< 10	52
BB-02021	201 202	0.01	10	500	12	< 2	2	7	0.09	< 10	< 10	61	< 10	46
BB-02022	201 202	< 0.01	18	700	18	2	4	28	0.13	< 10	< 10	83	< 10	80
BB-02023	201 202	< 0.01	39	350	8	< 2	4	9	0.08	< 10	< 10	127	< 10	68
BB-02024	201 202	0.01	53	550	12	< 2	2	17	0.06	< 10	< 10	75	< 10	74
BB-02025	201 202	< 0.01	28	360	10	< 2	1	12	0.09	< 10	< 10	75	< 10	60
BB-02026	201 202	< 0.01	17	810	14	< 2	2	14	0.09	< 10	< 10	80	< 10	64
BB-02027	201 202	< 0.01	22	540	14	6	4	6	0.10	< 10	< 10	72	< 10	66
BB-02028	201 202	< 0.01	19	250	10	< 2	3	9	0.12	< 10	< 10	78	< 10	56
BB-02029	201 202	< 0.01	43	720	20	2	7	7	0.15	< 10	< 10	136	< 10	174
BB-02030	201 202	0.01	22	550	16	< 2	4	10	0.11	< 10	< 10	67	< 10	78
BB-02031	201 202	< 0.01	303	620	14	< 2	4	16	0.07	< 10	10	92	< 10	130
BB-02032	201 202	0.01	50	410	10	2	1	11	0.15	< 10	< 10	73	< 10	42
BB-02033	201 202	< 0.01	55	400	22	< 2	3	11	0.12	< 10	< 10	73	< 10	90
BB-02034	201 202	0.02	44	340	8	< 2	4	9	0.11	< 10	< 10	66	< 10	46
BB-02035	201 202	0.01	18	580	14	8	3	11	0.15	< 10	< 10	56	< 10	88
BB-02036	201 202	0.01	21	500	14	< 2	< 1	23	0.03	< 10	< 10	62	< 10	66
BB-02037	201 202	< 0.01	24	660	14	4	4	11	0.09	< 10	< 10	73	< 10	86
BB-02038	201 202	< 0.01	24	310	10	< 2	3	10	0.10	< 10	< 10	91	< 10	70
BB-02039	201 202	< 0.01	36	580	16	4	4	13	0.10	< 10	< 10	97	< 10	202
BB-02040	201 202	< 0.01	21	480	6	< 2	2	9	0.09	< 10	< 10	77	< 10	60
BB-02041	201 202	< 0.01	30	440	8	< 2	3	13	0.19	< 10	< 10	77	< 10	56

CERTIFICATION:

*Hart Bickler*



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers  
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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
BB-02042	201	202	< 0.2	1.50	< 2	60	< 0.5	< 2	0.07	< 0.5	3	6	6	1.44	< 10	< 1	0.11	10	0.10	135	< 1
BB-02043	201	202	< 0.2	2.07	8	100	< 0.5	< 2	0.16	< 0.5	9	70	14	3.75	10	< 1	0.15	10	0.84	305	< 1
BB-02044	201	202	< 0.2	1.83	10	80	< 0.5	< 2	0.10	< 0.5	7	53	15	3.17	10	< 1	0.16	10	0.66	210	< 1
BB-02045	201	202	< 0.2	3.31	14	150	0.5	< 2	0.44	0.5	23	211	22	5.16	10	< 1	0.10	10	2.27	755	< 1
BB-02046	201	202	0.2	1.60	6	160	< 0.5	< 2	0.06	< 0.5	5	23	27	2.31	< 10	< 1	0.11	10	0.26	225	1
BB-02047	201	202	< 0.2	2.16	14	200	< 0.5	< 2	0.09	< 0.5	10	87	25	3.58	< 10	< 1	0.16	10	0.89	485	1
BB-02048	201	202	< 0.2	2.25	12	130	0.5	< 2	0.20	< 0.5	9	55	29	3.40	10	< 1	0.18	10	0.73	320	1
BB-02049	201	202	< 0.2	1.34	8	80	< 0.5	< 2	0.38	< 0.5	5	30	10	1.89	10	1	0.15	10	0.33	200	< 1
BB-02050	201	202	< 0.2	1.21	4	50	< 0.5	< 2	0.15	< 0.5	3	23	6	1.73	< 10	< 1	0.12	10	0.25	155	< 1
BB-02051	201	202	< 0.2	0.86	4	50	< 0.5	< 2	0.12	< 0.5	3	12	12	1.57	< 10	< 1	0.11	< 10	0.16	135	< 1
BB-02052	201	202	0.2	1.19	10	50	< 0.5	< 2	0.19	< 0.5	6	27	8	2.35	< 10	< 1	0.13	10	0.29	275	1
BB-02053	201	202	< 0.2	2.16	8	90	0.5	< 2	0.13	< 0.5	7	48	12	2.49	< 10	1	0.17	20	0.65	200	1
BB-02054	201	202	< 0.2	1.82	30	70	< 0.5	< 2	0.07	< 0.5	8	37	16	3.54	< 10	1	0.12	10	0.47	355	< 1
BB-02055	201	202	0.2	1.74	4	60	0.5	< 2	0.24	< 0.5	11	37	17	2.93	< 10	< 1	0.12	10	0.49	450	1
BB-02056	201	202	< 0.2	1.60	6	70	< 0.5	< 2	0.13	< 0.5	6	46	11	1.76	< 10	1	0.10	10	0.51	155	< 1
BB-02057	201	202	< 0.2	1.85	12	90	< 0.5	< 2	0.21	< 0.5	8	43	13	2.51	< 10	< 1	0.28	10	0.79	275	< 1
BB-02058	201	202	< 0.2	1.90	4	90	< 0.5	< 2	0.16	< 0.5	6	42	8	3.54	< 10	< 1	0.22	10	0.73	245	< 1
BB-02059	201	202	< 0.2	2.08	2	80	0.5	< 2	0.13	< 0.5	5	31	7	2.68	< 10	< 1	0.10	10	0.47	170	1
BB-02060	201	202	< 0.2	2.62	10	90	0.5	< 2	0.16	< 0.5	10	60	11	3.98	< 10	< 1	0.23	10	0.89	280	< 1
BB-02061	201	202	< 0.2	1.52	2	70	< 0.5	< 2	0.14	< 0.5	5	31	7	2.43	< 10	< 1	0.13	10	0.40	210	< 1
BB-02062	201	202	< 0.2	2.36	8	100	0.5	< 2	0.16	< 0.5	8	58	10	3.76	10	< 1	0.18	10	0.79	280	< 1
BB-02063	201	202	< 0.2	1.66	2	90	< 0.5	< 2	0.19	< 0.5	6	35	9	2.28	< 10	< 1	0.15	10	0.48	220	1
BB-02064	201	202	0.2	3.31	2	110	0.5	< 2	0.28	< 0.5	14	62	23	4.21	< 10	< 1	0.30	10	1.41	435	< 1
BB-02065	201	202	< 0.2	2.39	12	80	< 0.5	< 2	0.24	< 0.5	11	53	17	3.96	10	< 1	0.32	< 10	1.13	410	1
BB-02066	201	202	< 0.2	1.30	4	70	< 0.5	< 2	0.22	< 0.5	6	37	10	2.23	< 10	< 1	0.23	10	0.55	225	1
BB-02067	201	202	< 0.2	1.94	2	110	< 0.5	< 2	0.23	< 0.5	8	58	7	2.95	< 10	1	0.22	10	0.75	300	< 1
BB-02068	201	202	< 0.2	1.38	2	70	< 0.5	< 2	0.15	< 0.5	5	33	6	2.26	< 10	< 1	0.10	10	0.34	200	1
BB-02069	201	202	< 0.2	2.00	4	70	0.5	< 2	0.16	< 0.5	8	43	9	3.09	< 10	< 1	0.13	10	0.70	275	< 1
BB-02070	201	202	< 0.2	0.82	6	60	< 0.5	< 2	0.15	< 0.5	4	21	8	1.80	< 10	< 1	0.17	10	0.19	170	1
BB-02071	201	202	< 0.2	0.90	6	60	< 0.5	< 2	0.13	< 0.5	5	38	8	2.32	< 10	< 1	0.11	10	0.32	135	1
BB-02072	201	202	< 0.2	0.99	4	90	< 0.5	< 2	0.19	< 0.5	5	29	9	1.79	< 10	< 1	0.20	10	0.34	170	< 1
BB-02073	201	202	< 0.2	0.92	8	90	< 0.5	< 2	0.22	< 0.5	5	38	10	1.59	< 10	< 1	0.15	10	0.28	145	< 1
BB-02074	201	202	< 0.2	0.55	< 2	40	< 0.5	< 2	0.20	< 0.5	1	17	1	0.81	< 10	< 1	0.12	10	0.11	75	< 1
BB-02075	201	202	< 0.2	1.86	10	100	< 0.5	< 2	0.27	< 0.5	6	37	7	3.22	10	< 1	0.25	10	0.66	295	1
BB-02076	201	202	< 0.2	1.21	2	70	< 0.5	< 2	0.14	< 0.5	4	20	6	2.11	< 10	< 1	0.13	10	0.34	255	< 1
BB-02077	201	202	< 0.2	1.05	6	80	< 0.5	< 2	0.21	< 0.5	5	33	9	1.96	< 10	< 1	0.24	10	0.39	210	< 1
BB-02078	201	202	< 0.2	1.37	8	80	< 0.5	< 2	0.14	< 0.5	6	40	12	2.73	10	< 1	0.13	10	0.46	200	1
BB-02079	201	202	< 0.2	1.35	12	60	< 0.5	< 2	0.11	< 0.5	4	30	6	2.95	< 10	< 1	0.13	10	0.31	200	< 1
BB-02080	201	202	< 0.2	1.37	6	60	< 0.5	< 2	0.19	< 0.5	6	37	6	2.85	< 10	< 1	0.16	10	0.50	265	< 1
BB-02081	201	202	0.2	1.77	2	60	0.5	< 2	0.19	< 0.5	8	42	10	2.78	< 10	< 1	0.27	10	0.70	300	< 1

CERTIFICATION:

*Mark B. Baker*



# 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, GATHRO & ASSOCIATES (1981) LIMITED  
 1016 - 510 W. HASTINGS ST.  
 VANCOUVER, BC  
 V6B 1L8

Page Number : 2-B  
 Total Pages : 6  
 Certificate Date: 17-JUL-96  
 Invoice No. : 19623414  
 P.O. Number :  
 Account : MPO

Project : BUZZER  
 Comments:

## CERTIFICATE OF ANALYSIS A9623414

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-02042	201 202	0.02	3	560	6	< 2	< 1	10	< 0.01	< 10	< 10	24	< 10	32
BB-02043	201 202	< 0.01	31	320	10	2	4	15	0.16	< 10	< 10	86	< 10	72
BB-02044	201 202	0.01	29	240	8	2	3	11	0.10	< 10	< 10	62	< 10	54
BB-02045	201 202	0.01	94	540	10	< 2	8	20	0.13	< 10	10	147	< 10	196
BB-02046	201 202	0.04	16	750	12	2	< 1	15	0.04	< 10	< 10	44	< 10	50
BB-02047	201 202	0.01	44	400	14	< 2	4	12	0.09	< 10	< 10	99	< 10	76
BB-02048	201 202	0.01	29	690	36	2	3	19	0.10	< 10	< 10	75	< 10	102
BB-02049	201 202	< 0.01	12	340	10	2	1	27	0.10	< 10	< 10	58	< 10	40
BB-02050	201 202	< 0.01	7	210	12	4	2	15	0.15	< 10	< 10	61	< 10	34
BB-02051	201 202	0.01	4	320	10	< 2	1	14	0.10	< 10	< 10	42	< 10	26
BB-02052	201 202	< 0.01	6	340	14	4	1	23	0.16	< 10	< 10	70	< 10	38
BB-02053	201 202	< 0.01	23	220	8	< 2	3	12	0.09	< 10	< 10	52	< 10	48
BB-02054	201 202	0.01	19	570	18	2	2	9	0.09	< 10	< 10	71	< 10	72
BB-02055	201 202	0.01	17	650	12	8	1	17	0.09	< 10	< 10	62	< 10	68
BB-02056	201 202	0.01	19	340	6	2	1	14	0.08	< 10	< 10	42	< 10	38
BB-02057	201 202	< 0.01	16	290	10	< 2	3	19	0.14	< 10	< 10	67	< 10	58
BB-02058	201 202	< 0.01	14	300	14	< 2	3	18	0.16	< 10	< 10	64	< 10	58
BB-02059	201 202	< 0.01	11	240	8	< 2	2	15	0.10	< 10	< 10	45	< 10	34
BB-02060	201 202	< 0.01	24	310	10	< 2	4	18	0.14	< 10	< 10	61	< 10	54
BB-02061	201 202	< 0.01	10	210	10	2	2	16	0.14	< 10	< 10	55	< 10	40
BB-02062	201 202	< 0.01	19	460	12	< 2	4	15	0.16	< 10	< 10	76	< 10	66
BB-02063	201 202	< 0.01	12	220	10	< 2	3	18	0.15	< 10	10	70	< 10	52
BB-02064	201 202	< 0.01	31	550	8	< 2	3	26	0.17	< 10	< 10	82	< 10	74
BB-02065	201 202	< 0.01	20	1060	10	2	4	26	0.17	< 10	< 10	79	< 10	62
BB-02066	201 202	0.01	11	380	8	< 2	2	24	0.13	< 10	< 10	54	< 10	44
BB-02067	201 202	< 0.01	16	310	8	2	3	22	0.15	< 10	10	55	< 10	62
BB-02068	201 202	< 0.01	11	230	8	< 2	1	14	0.13	< 10	< 10	43	< 10	50
BB-02069	201 202	< 0.01	16	330	8	2	3	17	0.12	< 10	< 10	46	< 10	52
BB-02070	201 202	< 0.01	7	190	8	< 2	1	18	0.11	< 10	< 10	50	< 10	38
BB-02071	201 202	< 0.01	13	360	8	4	1	14	0.13	< 10	< 10	79	< 10	38
BB-02072	201 202	< 0.01	9	240	10	< 2	1	20	0.14	< 10	< 10	53	< 10	36
BB-02073	201 202	< 0.01	13	340	8	< 2	1	23	0.07	< 10	< 10	40	< 10	44
BB-02074	201 202	0.01	3	120	8	< 2	< 1	20	0.09	< 10	< 10	22	< 10	18
BB-02075	201 202	< 0.01	12	400	14	2	3	27	0.19	< 10	< 10	69	< 10	74
BB-02076	201 202	0.03	7	380	8	< 2	1	18	0.09	< 10	< 10	32	< 10	40
BB-02077	201 202	0.02	13	230	6	2	2	16	0.14	< 10	< 10	55	< 10	56
BB-02078	201 202	0.01	17	440	10	< 2	2	17	0.14	< 10	< 10	83	< 10	48
BB-02079	201 202	< 0.01	9	600	12	< 2	1	15	0.11	< 10	< 10	52	< 10	44
BB-02080	201 202	< 0.01	12	470	8	6	2	16	0.13	< 10	< 10	64	< 10	54
BB-02081	201 202	< 0.01	14	460	10	< 2	2	21	0.13	< 10	< 10	39	< 10	68

CERTIFICATION:

*Hart Buchler*



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 212 Brooksbank Ave., North Vancouver  
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Page: 1 of 3-A  
 Total Pages: 6  
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## CERTIFICATE OF ANALYSIS A9623414

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-02082	201	202	< 0.2	1.99	8	80	0.5	< 2	0.17	< 0.5	9	57	9	3.48	< 10	< 1	0.23	10	0.88	325	< 1
BB-02083	201	202	< 0.2	1.41	34	60	< 0.5	< 2	0.15	< 0.5	5	31	5	2.38	< 10	< 1	0.11	10	0.33	285	< 1
BB-02084	201	202	< 0.2	1.41	8	60	< 0.5	< 2	0.17	< 0.5	5	37	6	2.75	< 10	< 1	0.12	10	0.52	200	< 1
BB-02085	201	202	< 0.2	1.05	2	50	< 0.5	< 2	0.14	< 0.5	3	33	5	1.67	< 10	< 1	0.07	10	0.25	140	< 1
BB-02086	201	202	< 0.2	1.23	14	90	< 0.5	< 2	0.29	< 0.5	8	62	12	2.49	< 10	< 1	0.15	10	0.57	205	1
BB-02087	201	202	< 0.2	1.05	6	60	< 0.5	< 2	0.21	< 0.5	1	36	3	1.07	< 10	< 1	0.06	10	0.31	105	< 1
BB-02088	201	202	< 0.2	3.55	12	260	1.0	< 2	0.15	< 0.5	13	67	29	4.71	10	< 1	0.24	10	0.90	465	3
BB-02089	201	202	< 0.2	1.64	16	70	< 0.5	< 2	0.19	< 0.5	7	57	9	3.12	< 10	< 1	0.12	10	0.52	410	< 1
BB-02090	201	202	< 0.2	1.16	24	50	< 0.5	< 2	0.15	< 0.5	3	34	5	2.20	10	< 1	0.09	10	0.29	140	< 1
BB-02091	201	202	< 0.2	0.22	< 2	40	< 0.5	< 2	0.14	1.0	1	5	12	0.37	< 10	< 1	0.04	< 10	0.03	20	< 1
BB-02092	201	202	< 0.2	0.94	6	80	< 0.5	< 2	0.44	< 0.5	4	38	11	2.37	< 10	< 1	0.17	10	0.31	155	2
BB-02093	201	202	< 0.2	2.05	14	90	0.5	< 2	0.17	< 0.5	6	53	9	2.32	< 10	< 1	0.10	10	0.54	205	< 1
BB-02094	201	202	0.6	1.93	< 2	170	0.5	< 2	0.89	0.5	10	36	25	2.20	< 10	< 1	0.11	30	0.64	935	1
BB-02095	201	202	< 0.2	1.98	2	210	< 0.5	< 2	0.62	< 0.5	11	48	15	2.47	< 10	< 1	0.13	10	1.02	385	< 1
BB-02096	201	202	< 0.2	1.31	6	130	< 0.5	< 2	0.45	< 0.5	7	50	17	1.96	< 10	< 1	0.12	10	0.68	240	1
BB-02097	201	202	< 0.2	1.59	4	120	< 0.5	< 2	0.51	< 0.5	7	53	10	1.90	< 10	< 1	0.10	10	0.82	230	< 1
BB-02098	201	202	< 0.2	1.57	6	90	< 0.5	< 2	0.20	< 0.5	7	89	8	2.83	< 10	< 1	0.09	10	0.74	205	< 1
BB-02099	201	202	< 0.2	1.21	4	80	< 0.5	< 2	0.23	< 0.5	5	43	5	1.29	< 10	< 1	0.08	10	0.51	130	< 1
BB-02100	201	202	< 0.2	1.22	4	70	< 0.5	< 2	0.13	< 0.5	5	50	6	2.79	10	< 1	0.09	10	0.34	125	1
BB-02101	201	202	< 0.2	2.04	8	80	0.5	< 2	0.20	< 0.5	7	98	8	3.47	10	< 1	0.10	< 10	0.77	185	1
BB-02102	201	202	< 0.2	1.80	2	160	< 0.5	< 2	0.57	< 0.5	9	48	16	2.31	< 10	< 1	0.13	10	0.91	310	1
BB-02103	201	202	< 0.2	1.37	2	90	< 0.5	< 2	0.36	< 0.5	5	66	4	1.66	< 10	< 1	0.08	10	0.64	190	< 1
BB-02104	201	202	< 0.2	1.27	2	80	< 0.5	< 2	0.32	< 0.5	3	51	3	1.08	< 10	< 1	0.08	10	0.48	125	< 1
BB-02105	201	202	0.2	2.21	12	200	0.5	< 2	0.13	< 0.5	10	70	20	4.42	< 10	< 1	0.13	< 10	0.89	330	1
BB-02106	201	202	0.2	2.03	10	100	0.5	< 2	0.10	< 0.5	8	53	18	3.14	< 10	< 1	0.16	< 10	0.76	285	< 1
BB-02107	201	202	< 0.2	1.51	8	160	< 0.5	< 2	0.46	< 0.5	12	62	123	2.17	< 10	< 1	0.14	10	0.92	280	< 1
BB-02108	201	202	< 0.2	1.36	2	70	< 0.5	< 2	0.16	< 0.5	6	51	7	2.13	< 10	< 1	0.06	< 10	0.63	155	< 1
BB-02109	201	202	0.2	1.59	8	80	< 0.5	< 2	0.15	< 0.5	8	72	11	3.01	< 10	< 1	0.07	< 10	0.67	180	1
BB-02110	201	202	< 0.2	1.52	6	60	< 0.5	< 2	0.20	< 0.5	6	65	8	2.13	< 10	< 1	0.07	< 10	0.70	185	< 1
BB-02111	201	202	< 0.2	2.06	2	90	< 0.5	< 2	0.17	< 0.5	7	58	10	3.12	< 10	< 1	0.09	10	0.74	235	< 1
BB-02112	201	202	< 0.2	1.71	2	60	< 0.5	< 2	0.26	< 0.5	7	57	10	2.25	< 10	< 1	0.08	10	0.76	210	< 1
BB-02113	201	202	< 0.2	1.74	4	150	0.5	< 2	0.40	< 0.5	10	60	23	2.11	< 10	< 1	0.14	10	0.82	255	< 1
BB-02114	201	202	0.2	2.46	10	320	0.5	< 2	0.20	0.5	11	64	18	3.40	< 10	< 1	0.16	10	1.00	355	< 1
BB-02115	201	202	< 0.2	1.32	2	150	< 0.5	< 2	0.60	< 0.5	10	50	25	2.25	< 10	< 1	0.20	10	0.84	305	1
BB-02116	201	202	< 0.2	1.52	< 2	160	0.5	< 2	0.42	< 0.5	10	51	20	2.09	< 10	< 1	0.13	10	0.77	235	< 1
BB-02117	201	202	< 0.2	1.59	< 2	140	< 0.5	< 2	0.49	< 0.5	10	49	17	2.06	< 10	< 1	0.18	10	0.93	285	< 1
BB-02118	201	202	< 0.2	0.77	4	100	< 0.5	< 2	0.21	< 0.5	1	14	3	0.54	< 10	< 1	0.08	20	0.16	70	< 1
BB-02120	201	202	< 0.2	1.85	6	110	0.5	< 2	0.23	< 0.5	6	32	11	2.37	< 10	1	0.14	10	0.63	215	< 1
BB-02121	201	202	< 0.2	2.27	12	140	< 0.5	< 2	0.34	< 0.5	11	76	13	3.62	10	< 1	0.16	10	0.90	300	1
BB-02122	201	202	0.2	2.59	2	210	0.5	< 2	0.24	< 0.5	9	44	11	3.33	< 10	< 1	0.12	10	0.58	290	1

CERTIFICATION: Heidi Buchler



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BB-02082	201 202	< 0.01	17	340	10	6	3	18	0.18	< 10	< 10	63	< 10	80
BB-02083	201 202	< 0.01	9	320	12	2	1	16	0.11	< 10	< 10	45	< 10	54
BB-02084	201 202	0.01	12	240	8	< 2	2	16	0.13	< 10	< 10	45	< 10	50
BB-02085	201 202	< 0.01	11	250	12	< 2	1	15	0.10	< 10	< 10	46	< 10	28
BB-02086	201 202	< 0.01	26	390	10	2	2	26	0.11	< 10	< 10	67	< 10	46
BB-02087	201 202	< 0.01	8	110	6	2	1	18	0.11	< 10	< 10	37	< 10	18
BB-02088	201 202	0.01	44	280	26	2	5	18	0.10	< 10	< 10	94	< 10	116
BB-02089	201 202	< 0.01	19	760	12	< 2	2	16	0.10	< 10	< 10	58	< 10	60
BB-02090	201 202	< 0.01	8	230	10	4	1	17	0.15	< 10	< 10	68	< 10	32
BB-02091	201 202	0.05	5	130	2	< 2	< 1	9	0.02	< 10	< 10	12	< 10	18
BB-02092	201 202	< 0.01	12	280	8	4	1	22	0.15	< 10	< 10	64	< 10	34
BB-02093	201 202	0.01	19	470	10	6	3	15	0.09	< 10	< 10	41	< 10	48
BB-02094	201 202	0.04	30	550	8	< 2	3	41	0.06	< 10	< 10	36	< 10	88
BB-02095	201 202	0.01	23	240	8	2	3	35	0.14	< 10	< 10	54	< 10	52
BB-02096	201 202	< 0.01	21	640	6	4	3	27	0.09	< 10	< 10	41	< 10	50
BB-02097	201 202	< 0.01	21	330	10	4	3	29	0.13	< 10	< 10	46	< 10	36
BB-02098	201 202	< 0.01	23	560	8	< 2	3	15	0.13	< 10	< 10	79	< 10	48
BB-02099	201 202	0.01	15	90	10	< 2	2	17	0.11	< 10	< 10	34	< 10	32
BB-02100	201 202	< 0.01	11	120	8	6	1	14	0.17	< 10	< 10	97	< 10	30
BB-02101	201 202	< 0.01	26	170	12	8	4	14	0.17	< 10	< 10	87	< 10	48
BB-02102	201 202	< 0.01	24	370	10	4	3	23	0.10	< 10	< 10	52	< 10	52
BB-02103	201 202	< 0.01	14	80	8	2	3	28	0.14	< 10	< 10	55	< 10	38
BB-02104	201 202	< 0.01	12	90	8	2	3	26	0.13	< 10	< 10	36	< 10	20
BB-02105	201 202	< 0.01	36	700	16	2	4	13	0.11	< 10	< 10	96	< 10	130
BB-02106	201 202	< 0.01	30	1230	10	< 2	3	9	0.08	< 10	< 10	69	< 10	74
BB-02107	201 202	0.01	39	520	10	< 2	3	22	0.10	< 10	< 10	41	< 10	50
BB-02108	201 202	< 0.01	17	290	8	< 2	2	13	0.09	< 10	< 10	44	< 10	36
BB-02109	201 202	< 0.01	22	170	8	< 2	3	13	0.15	< 10	< 10	91	< 10	60
BB-02110	201 202	< 0.01	18	560	8	6	3	11	0.11	< 10	< 10	57	< 10	54
BB-02111	201 202	< 0.01	17	350	14	< 2	3	17	0.13	< 10	< 10	82	< 10	80
BB-02112	201 202	< 0.01	18	150	8	< 2	3	21	0.13	< 10	< 10	52	< 10	46
BB-02113	201 202	< 0.01	41	300	10	6	3	27	0.11	< 10	< 10	43	< 10	48
BB-02114	201 202	< 0.01	35	460	10	< 2	4	16	0.11	< 10	< 10	76	< 10	146
BB-02115	201 202	0.01	29	840	12	< 2	3	35	0.09	< 10	< 10	38	< 10	60
BB-02116	201 202	< 0.01	29	780	8	< 2	3	26	0.09	< 10	< 10	43	< 10	72
BB-02117	201 202	0.01	30	630	10	< 2	3	33	0.11	< 10	< 10	43	< 10	56
BB-02118	201 202	< 0.01	2	100	8	< 2	1	16	0.11	< 10	< 10	24	< 10	14
BB-02120	201 202	< 0.01	15	250	18	< 2	3	18	0.11	< 10	< 10	45	< 10	60
BB-02121	201 202	< 0.01	21	480	12	2	4	31	0.19	< 10	< 10	96	< 10	72
BB-02122	201 202	< 0.01	16	220	14	2	3	30	0.13	< 10	< 10	81	< 10	74

CERTIFICATION:

*Hart Bichler*



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BB-02123	201 202	< 0.2	2.18	2	150	0.5	< 2	0.34	< 0.5	11	47	23	2.74	< 10	< 1	0.20	10	1.02	320	1
BB-02124	201 202	< 0.2	1.50	6	110	< 0.5	< 2	0.47	< 0.5	9	44	17	2.06	< 10	< 1	0.19	10	0.85	290	< 1
BB-02125	201 202	< 0.2	1.50	< 2	120	< 0.5	< 2	0.46	< 0.5	14	50	25	2.20	< 10	1	0.26	10	0.86	480	< 1
BB-02126	201 202	< 0.2	2.14	< 2	190	0.5	< 2	0.61	< 0.5	10	50	20	2.46	< 10	< 1	0.20	10	0.99	290	< 1
BB-02127	201 202	< 0.2	1.57	10	130	< 0.5	< 2	0.51	< 0.5	8	51	13	1.98	< 10	< 1	0.11	10	0.87	270	< 1
BB-02128	201 202	< 0.2	1.64	8	130	< 0.5	< 2	0.55	< 0.5	12	44	17	2.17	< 10	< 1	0.18	10	0.89	340	< 1
BB-02129	201 202	< 0.2	2.30	2	130	0.5	< 2	0.40	< 0.5	9	44	24	2.52	< 10	1	0.14	10	0.83	275	< 1
BB-02130	201 202	< 0.2	1.41	6	70	< 0.5	< 2	0.43	< 0.5	9	79	16	2.13	< 10	1	0.10	10	0.80	235	< 1
BB-02131	201 202	< 0.2	1.31	8	130	< 0.5	< 2	0.39	< 0.5	8	93	30	2.82	< 10	< 1	0.14	10	0.72	260	1
BB-02132	201 202	< 0.2	1.74	12	120	< 0.5	< 2	0.33	< 0.5	8	42	17	2.52	< 10	< 1	0.19	10	0.72	260	< 1
BB-02133	201 202	< 0.2	1.75	6	110	< 0.5	< 2	0.33	< 0.5	8	41	15	2.42	< 10	< 1	0.15	10	0.61	225	< 1
BB-02134	201 202	< 0.2	1.48	10	110	< 0.5	< 2	0.57	< 0.5	12	43	17	2.10	< 10	< 1	0.18	10	0.87	340	< 1
BB-02135	201 202	< 0.2	1.21	8	90	< 0.5	< 2	0.14	< 0.5	4	37	8	2.95	< 10	< 1	0.09	< 10	0.38	175	1
BB-02136	201 202	< 0.2	1.00	6	90	< 0.5	< 2	0.38	< 0.5	7	53	19	1.70	< 10	< 1	0.11	10	0.61	235	< 1
BB-02137	201 202	< 0.2	0.98	10	40	< 0.5	< 2	0.22	< 0.5	6	45	16	1.66	< 10	< 1	0.08	< 10	0.55	160	< 1
BB-02138	201 202	< 0.2	2.62	8	90	0.5	< 2	0.11	< 0.5	11	68	16	4.17	< 10	< 1	0.17	10	0.95	355	< 1
BB-02139	201 202	< 0.2	2.06	162	110	< 0.5	< 2	0.07	< 0.5	56	886	23	6.12	< 10	< 1	0.06	< 10	3.33	920	< 1
BB-02140	201 202	< 0.2	3.14	2	140	0.5	< 2	0.09	< 0.5	12	41	21	4.32	10	< 1	0.54	10	0.91	350	< 1
BB-02141	201 202	< 0.2	2.16	2	230	0.5	< 2	0.14	0.5	16	44	45	4.14	< 10	< 1	0.27	20	0.72	395	5
BB-02142	201 202	0.2	2.97	20	260	1.5	< 2	0.41	< 0.5	19	137	30	4.70	< 10	< 1	0.31	20	1.49	610	4
BB-02143	201 202	< 0.2	1.21	2	240	< 0.5	< 2	0.10	2.0	6	63	16	2.21	10	< 1	0.07	10	0.44	205	< 1
BB-02144	201 202	0.2	0.73	8	140	0.5	< 2	0.14	< 0.5	22	35	60	5.67	< 10	< 1	0.17	20	0.14	440	5
BB-02145	201 202	0.2	2.18	6	460	2.0	< 2	0.95	0.5	8	30	35	3.05	< 10	< 1	0.12	40	0.58	195	< 1
BB-02146	201 202	< 0.2	2.78	14	560	2.5	< 2	0.40	1.0	16	52	93	3.69	< 10	< 1	0.19	40	0.70	880	< 1
BB-02147	201 202	0.2	1.10	14	320	1.5	< 2	0.23	< 0.5	12	27	52	3.60	< 10	< 1	0.17	10	0.32	620	1
BB-02148	201 202	< 0.2	2.81	6	370	1.5	< 2	0.66	< 0.5	17	54	37	3.89	< 10	< 1	0.40	10	1.29	845	< 1
BB-02149	201 202	0.4	1.62	24	250	0.5	< 2	0.13	0.5	11	49	42	4.18	< 10	< 1	0.25	10	0.54	385	2
BB-02150	201 202	0.8	2.51	4	440	1.5	< 2	0.49	1.0	15	49	64	4.86	< 10	< 1	0.44	30	0.90	770	2
BB-02151	201 202	0.2	2.03	< 2	200	0.5	< 2	0.11	< 0.5	12	60	32	3.87	< 10	< 1	0.22	10	0.80	450	2
BB-02152	201 202	0.8	3.09	2	590	1.5	< 2	0.17	0.5	16	36	124	10.35	< 10	< 1	0.61	60	0.85	420	8
BB-02153	201 202	0.2	4.38	8	230	1.0	< 2	0.21	< 0.5	18	102	60	5.06	10	< 1	0.25	10	2.01	730	20
BB-02154	201 202	< 0.2	4.18	10	610	0.5	< 2	0.05	< 0.5	18	65	66	6.90	10	< 1	0.49	10	2.20	710	< 1
BB-02155	201 202	0.6	4.89	102	410	1.0	< 2	0.09	0.5	25	78	60	5.22	10	< 1	0.38	10	1.68	800	1
BB-02156	201 202	< 0.2	3.15	10	90	0.5	< 2	0.21	< 0.5	18	128	19	4.32	10	< 1	0.32	10	1.28	570	< 1
BB-02157	201 202	< 0.2	2.59	124	170	< 0.5	< 2	0.10	< 0.5	36	801	20	3.98	< 10	< 1	0.10	< 10	2.47	570	< 1
BB-02158	201 202	0.2	2.33	14	160	0.5	< 2	0.06	< 0.5	10	54	50	5.49	< 10	< 1	0.17	20	0.69	435	4
BB-02159	201 202	0.8	5.63	8	490	1.5	< 2	0.41	0.5	6	128	59	5.96	10	< 1	0.43	30	2.89	765	38
BB-02160	201 202	1.0	3.89	6	650	1.5	< 2	0.21	1.5	19	172	44	5.36	10	< 1	0.35	10	2.07	570	2
BB-02161	201 202	0.2	2.63	8	250	1.0	< 2	0.16	< 0.5	14	55	30	4.13	10	< 1	0.22	10	1.01	440	2
BB-02162	201 202	0.2	2.15	20	280	2.0	< 2	0.42	< 0.5	17	78	49	4.24	< 10	< 1	0.21	20	0.96	1025	1

CERTIFICATION: *Heath Buchler*



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

Project: BUZZER  
 Comments:

Page Number : 4-B  
 Total Pages : 6  
 Certificate Date: 17-JUL-96  
 Invoice No. : 19623414  
 P.O. Number :  
 Account : MPO

## CERTIFICATE OF ANALYSIS A9623414

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-02123	201 202	0.01	33	610	16	< 2	4	22	0.12	< 10	< 10	53	< 10	88
BB-02124	201 202	< 0.01	25	510	14	< 2	3	34	0.11	< 10	< 10	40	< 10	52
BB-02125	201 202	0.01	25	610	16	2	4	36	0.10	< 10	< 10	41	< 10	62
BB-02126	201 202	< 0.01	26	650	14	2	4	45	0.13	< 10	< 10	48	< 10	74
BB-02127	201 202	0.01	22	230	8	< 2	4	37	0.14	< 10	< 10	45	< 10	52
BB-02128	201 202	0.01	22	620	10	2	3	44	0.12	< 10	< 10	42	< 10	52
BB-02129	201 202	< 0.01	19	250	18	< 2	4	38	0.12	< 10	< 10	49	< 10	56
BB-02130	201 202	0.01	30	860	8	2	4	25	0.09	< 10	< 10	48	< 10	46
BB-02131	201 202	0.01	27	710	10	6	3	24	0.10	< 10	< 10	49	230	42
BB-02132	201 202	0.01	18	1320	16	2	3	31	0.09	< 10	< 10	46	< 10	58
BB-02133	201 202	0.01	17	310	12	< 2	3	33	0.13	< 10	< 10	47	< 10	44
BB-02134	201 202	< 0.01	21	730	10	< 2	3	39	0.11	< 10	< 10	36	< 10	64
BB-02135	201 202	< 0.01	11	670	10	< 2	2	15	0.11	< 10	< 10	73	< 10	44
BB-02136	201 202	< 0.01	22	420	6	8	2	22	0.08	< 10	< 10	32	< 10	48
BB-02137	201 202	< 0.01	19	700	8	2	2	15	0.07	< 10	< 10	35	< 10	40
BB-02138	201 202	< 0.01	29	460	10	4	3	10	0.14	< 10	< 10	80	< 10	100
BB-02139	201 202	< 0.01	578	320	6	< 2	5	8	0.04	< 10	< 10	70	< 10	50
BB-02140	201 202	0.01	26	640	12	2	4	9	0.14	< 10	< 10	53	< 10	102
BB-02141	201 202	0.01	44	620	14	< 2	3	26	0.06	< 10	< 10	83	< 10	254
BB-02142	201 202	< 0.01	72	430	14	< 2	7	20	0.12	< 10	< 10	108	< 10	200
BB-02143	201 202	< 0.01	26	390	18	< 2	1	10	0.11	< 10	< 10	70	< 10	126
BB-02144	201 202	< 0.01	68	450	20	4	4	16	0.01	< 10	< 10	68	< 10	204
BB-02145	201 202	0.01	35	490	12	< 2	3	41	< 0.01	< 10	< 10	45	< 10	120
BB-02146	201 202	0.01	57	320	22	2	6	28	0.03	< 10	< 10	62	< 10	354
BB-02147	201 202	0.01	34	570	12	< 2	3	16	0.02	< 10	< 10	47	< 10	100
BB-02148	201 202	< 0.01	43	470	16	4	6	28	0.12	< 10	< 10	81	< 10	350
BB-02149	201 202	< 0.01	39	440	20	< 2	4	14	0.07	< 10	< 10	93	< 10	176
BB-02150	201 202	< 0.01	51	730	12	< 2	6	26	0.07	< 10	< 10	92	< 10	192
BB-02151	201 202	< 0.01	38	540	12	< 2	5	10	0.07	< 10	< 10	87	< 10	140
BB-02152	201 202	0.03	52	1450	14	< 2	5	86	0.07	< 10	10	99	< 10	254
BB-02153	201 202	< 0.01	80	760	18	< 2	9	22	0.15	< 10	< 10	240	< 10	308
BB-02154	201 202	< 0.01	63	1040	14	2	6	10	0.15	< 10	< 10	89	< 10	132
BB-02155	201 202	0.01	88	980	10	6	9	18	0.09	< 10	10	131	< 10	218
BB-02156	201 202	< 0.01	45	520	10	6	4	13	0.21	< 10	< 10	88	< 10	112
BB-02157	201 202	< 0.01	212	240	6	2	6	6	0.08	< 10	< 10	94	< 10	66
BB-02158	201 202	0.01	31	1540	12	2	1	15	0.03	< 10	< 10	100	< 10	122
BB-02159	201 202	0.04	59	790	36	< 2	11	115	0.13	< 10	< 10	312	< 10	324
BB-02160	201 202	< 0.01	71	510	10	4	10	18	0.22	< 10	10	169	< 10	214
BB-02161	201 202	0.01	30	390	18	6	6	13	0.13	< 10	< 10	101	< 10	186
BB-02162	201 202	0.01	75	650	24	< 2	5	18	0.06	< 10	< 10	70	< 10	170

CERTIFICATION:

*Hart Bickler*



# 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

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Page Number: 5-A  
Total Pages: 6  
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## CERTIFICATE OF ANALYSIS

### A9623414

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-02163	201 202	< 0.2	0.63	28	110	0.5	< 2	0.22	< 0.5	10	11	55	5.21	< 10	< 1	0.10	20	0.08	155	3
BB-02164	201 202	0.2	0.49	6	310	0.5	< 2	0.15	2.0	10	18	64	4.59	< 10	< 1	0.09	< 10	0.10	560	2
BB-02165	201 202	1.0	1.00	22	420	3.5	< 2	0.48	0.5	19	24	108	6.04	< 10	< 1	0.20	10	0.14	1140	4
BB-02166	201 202	< 0.2	2.00	22	320	2.0	< 2	0.23	2.5	18	42	59	5.85	< 10	< 1	0.25	10	0.56	930	2
BB-02167	201 202	0.2	0.99	40	220	1.5	< 2	0.11	0.5	23	75	58	6.79	< 10	< 1	0.14	20	0.12	1070	2
BB-02168	201 202	0.2	2.60	6	430	0.5	< 2	0.51	< 0.5	14	99	30	3.72	< 10	< 1	0.36	20	1.11	665	< 1
BB-02169	201 202	< 0.2	2.89	< 2	280	0.5	< 2	0.40	0.5	17	106	26	4.21	< 10	< 1	0.19	20	1.30	440	3
BB-02170	201 202	0.2	2.86	10	390	0.5	< 2	0.44	< 0.5	11	104	28	3.59	< 10	< 1	0.27	10	1.27	400	2
BB-02171	201 202	1.0	4.64	6	230	0.5	< 2	0.07	0.5	7	56	40	4.27	< 10	< 1	0.18	10	1.11	325	15
BB-02172	201 202	< 0.2	3.07	6	320	0.5	< 2	0.10	< 0.5	10	55	76	4.78	< 10	< 1	0.37	20	1.06	410	2
BB-02173	201 202	< 0.2	2.82	4	240	0.5	< 2	0.05	< 0.5	9	40	62	5.23	10	< 1	0.50	20	0.85	495	2
BB-02174	201 202	< 0.2	2.20	< 2	110	< 0.5	< 2	0.48	< 0.5	11	50	11	3.77	< 10	< 1	0.47	10	1.02	360	< 1
BB-02175	201 202	< 0.2	0.78	< 2	110	< 0.5	< 2	0.14	< 0.5	3	24	7	1.43	< 10	< 1	0.17	< 10	0.20	100	< 1
BB-02176	201 202	0.6	1.76	78	170	< 0.5	< 2	0.78	1.5	34	371	49	3.25	< 10	< 1	0.10	< 10	2.43	485	< 1
BB-02177	201 202	< 0.2	2.23	6	140	0.5	< 2	0.11	1.0	8	35	19	4.05	< 10	< 1	0.23	20	0.64	360	1
BB-02178	201 202	< 0.2	0.69	< 2	150	< 0.5	< 2	0.12	0.5	3	16	8	1.53	< 10	< 1	0.12	10	0.20	125	2
BB-02179	201 202	0.4	3.16	4	410	1.0	< 2	0.58	0.5	15	89	51	4.21	< 10	< 1	0.33	10	1.42	500	2
BB-02180	201 202	0.4	1.53	< 2	320	< 0.5	< 2	0.19	1.5	10	45	21	2.95	< 10	< 1	0.29	10	0.64	455	1
BB-02181	201 202	0.2	0.81	8	180	0.5	< 2	0.14	< 0.5	5	18	10	2.10	< 10	< 1	0.14	10	0.26	165	1
BB-02182	201 202	0.8	1.84	10	300	1.0	< 2	0.76	1.0	13	54	43	3.50	< 10	< 1	0.11	10	0.67	515	1
BB-02183	201 202	< 0.2	0.51	< 2	110	< 0.5	< 2	0.09	1.0	3	13	13	1.43	< 10	< 1	0.08	< 10	0.11	80	< 1
BB-02184	201 202	0.6	2.85	6	310	0.5	< 2	0.52	< 0.5	15	65	33	4.06	< 10	< 1	0.36	10	1.40	550	1
BB-02185	201 202	0.2	2.00	< 2	240	0.5	< 2	0.14	1.0	10	53	15	3.53	< 10	< 1	0.23	10	0.83	295	1
BB-02186	201 202	0.2	1.91	4	280	0.5	< 2	0.11	3.0	11	50	20	2.96	< 10	< 1	0.20	10	0.90	615	4
BB-02187	201 202	0.4	3.75	< 2	520	0.5	< 2	0.34	2.5	27	148	30	5.98	10	< 1	0.34	10	1.70	620	1
BB-02188	201 202	0.6	2.28	22	260	< 0.5	< 2	0.22	0.5	13	230	29	3.81	< 10	1	0.21	10	1.79	260	2
BB-02189	201 202	< 0.2	3.79	< 2	250	0.5	< 2	0.21	< 0.5	23	152	43	5.37	< 10	< 1	1.64	10	1.84	460	< 1
BB-02190	201 202	0.2	3.94	< 2	320	0.5	< 2	0.08	0.5	13	101	39	4.14	< 10	1	0.31	10	1.44	375	2
BB-02191	201 202	0.2	4.61	< 2	340	0.5	< 2	0.55	0.5	19	178	19	4.75	10	< 1	0.35	10	2.75	545	< 1
BB-02192	201 202	0.2	1.72	< 2	220	0.5	< 2	0.43	0.5	11	40	27	3.03	< 10	< 1	0.15	10	0.63	365	1
BB-02193	201 202	0.6	1.23	6	190	1.0	< 2	0.60	< 0.5	10	34	39	2.93	< 10	< 1	0.14	10	0.40	345	1
BB-02194	201 202	0.2	1.74	28	420	2.0	< 2	0.23	0.5	33	28	84	5.87	< 10	< 1	0.35	20	0.42	1325	3
BB-02195	201 202	0.2	0.86	18	560	1.5	< 2	0.25	1.5	19	27	77	4.59	< 10	< 1	0.26	10	0.28	1970	3
BB-02196	201 202	0.6	2.53	< 2	420	2.0	< 2	0.14	1.5	15	81	32	5.50	10	< 1	0.38	10	0.90	285	2
BB-02197	201 202	< 0.2	1.71	8	70	< 0.5	< 2	0.11	< 0.5	5	49	11	2.81	< 10	< 1	0.06	10	0.45	160	< 1
BB-02198	201 202	< 0.2	2.52	4	160	0.5	< 2	0.11	< 0.5	8	55	22	3.21	< 10	< 1	0.17	10	0.78	250	< 1
BB-02199	201 202	< 0.2	2.27	20	410	0.5	< 2	0.22	0.5	12	58	40	4.29	< 10	< 1	0.24	10	0.78	380	4
BB-02200	201 202	< 0.2	3.30	2	320	0.5	< 2	0.58	< 0.5	16	106	20	4.06	< 10	< 1	0.30	20	1.88	515	< 1
BB-02201	201 202	0.4	2.14	< 2	290	0.5	< 2	0.57	0.5	8	48	42	2.97	< 10	< 1	0.23	30	0.84	440	1
BB-02202	201 202	0.8	3.22	6	410	3.0	< 2	0.74	0.5	13	75	64	4.63	< 10	< 1	0.18	40	1.36	1105	< 1

CERTIFICATION:

*Hart Buchler*



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SAMPLE	PREP		Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
	CODE		%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
BB-02163	201	202	< 0.01	35	370	16	< 2	1	13	< 0.01	< 10	< 10	40	< 10	168
BB-02164	201	202	< 0.01	50	660	18	< 2	3	10	< 0.01	< 10	< 10	63	< 10	178
BB-02165	201	202	< 0.01	80	750	22	< 2	5	24	< 0.01	< 10	< 10	64	< 10	204
BB-02166	201	202	< 0.01	55	530	22	< 2	5	14	0.03	< 10	< 10	71	< 10	266
BB-02167	201	202	< 0.01	134	1100	16	< 2	3	10	< 0.01	< 10	< 10	63	< 10	198
BB-02168	201	202	< 0.01	38	540	8	< 2	9	24	0.13	< 10	< 10	93	< 10	154
BB-02169	201	202	< 0.01	33	370	14	< 2	9	23	0.13	< 10	< 10	124	< 10	192
BB-02170	201	202	< 0.01	54	370	8	< 2	6	25	0.15	< 10	< 10	97	< 10	190
BB-02171	201	202	0.03	35	750	18	< 2	5	61	0.10	< 10	< 10	105	< 10	136
BB-02172	201	202	< 0.01	47	780	12	< 2	4	33	0.08	< 10	< 10	72	< 10	144
BB-02173	201	202	< 0.01	31	720	18	< 2	4	16	0.14	< 10	< 10	88	< 10	92
BB-02174	201	202	< 0.01	20	370	8	< 2	4	35	0.20	< 10	< 10	80	< 10	54
BB-02175	201	202	< 0.01	9	230	10	< 2	1	15	0.10	< 10	< 10	42	< 10	42
BB-02176	201	202	0.01	970	870	6	< 2	5	31	0.04	< 10	< 10	69	< 10	148
BB-02177	201	202	< 0.01	30	1160	18	< 2	3	17	0.04	< 10	< 10	49	< 10	124
BB-02178	201	202	< 0.01	10	260	14	< 2	1	17	0.07	< 10	< 10	48	< 10	50
BB-02179	201	202	< 0.01	67	350	16	< 2	7	32	0.11	< 10	< 10	91	< 10	206
BB-02180	201	202	< 0.01	26	410	12	< 2	3	14	0.08	< 10	< 10	76	< 10	114
BB-02181	201	202	< 0.01	13	270	8	< 2	1	10	0.06	< 10	< 10	47	< 10	50
BB-02182	201	202	0.01	60	250	14	< 2	5	31	0.09	< 10	< 10	59	< 10	228
BB-02183	201	202	0.01	13	280	6	< 2	< 1	8	0.03	< 10	< 10	35	< 10	52
BB-02184	201	202	< 0.01	44	410	14	< 2	8	21	0.15	< 10	< 10	89	< 10	178
BB-02185	201	202	< 0.01	24	450	12	< 2	4	13	0.11	< 10	< 10	85	< 10	178
BB-02186	201	202	0.02	27	420	20	< 2	4	15	0.12	< 10	< 10	83	< 10	200
BB-02187	201	202	< 0.01	68	1580	12	< 2	8	40	0.16	< 10	< 10	149	< 10	392
BB-02188	201	202	< 0.01	94	570	10	< 2	5	21	0.07	< 10	< 10	109	< 10	128
BB-02189	201	202	< 0.01	50	310	10	< 2	8	17	0.22	< 10	< 10	91	< 10	92
BB-02190	201	202	< 0.01	50	440	10	< 2	9	13	0.18	< 10	< 10	121	< 10	172
BB-02191	201	202	< 0.01	61	210	14	< 2	12	29	0.22	< 10	< 10	129	< 10	192
BB-02192	201	202	< 0.01	28	380	12	< 2	4	23	0.07	< 10	< 10	62	< 10	128
BB-02193	201	202	< 0.01	39	430	12	< 2	4	22	0.02	< 10	< 10	32	< 10	98
BB-02194	201	202	< 0.01	52	830	24	< 2	5	23	0.03	< 10	< 10	62	< 10	230
BB-02195	201	202	< 0.01	53	1120	16	< 2	3	19	0.01	< 10	< 10	68	< 10	200
BB-02196	201	202	< 0.01	39	670	12	< 2	5	12	0.22	< 10	< 10	112	< 10	180
BB-02197	201	202	< 0.01	15	850	10	< 2	2	10	0.10	< 10	< 10	65	< 10	44
BB-02198	201	202	< 0.01	27	430	10	< 2	5	8	0.10	< 10	< 10	72	< 10	72
BB-02199	201	202	< 0.01	41	610	14	< 2	4	18	0.07	< 10	< 10	109	< 10	152
BB-02200	201	202	< 0.01	38	300	10	< 2	10	27	0.18	< 10	< 10	103	< 10	132
BB-02201	201	202	< 0.01	36	550	12	< 2	5	27	0.07	< 10	< 10	57	< 10	120
BB-02202	201	202	0.01	49	740	18	< 2	7	36	0.03	< 10	< 10	67	< 10	194

CERTIFICATION:

*Hank Buchler*



# 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

Page Number : 6-A  
 Total Pages : 6  
 Certificate Date: 17-JUL-96  
 Invoice No. : I9623414  
 P.O. Number :  
 Account : MPO

Project : BUZZER  
 Comments:

## CERTIFICATE OF ANALYSIS A9623414

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-02203	201 202	0.2	3.80	166	700	1.5	< 2	0.71	1.0	22	94	63	5.12	10	1	0.45	50	1.64	805	1
BB-02204	201 202	0.2	3.04	2	450	2.0	< 2	0.17	1.5	22	207	92	6.00	10	< 1	0.54	< 10	1.73	755	3
BB-02205	201 202	< 0.2	2.35	2	140	1.5	< 2	0.07	< 0.5	7	72	10	3.31	< 10	< 1	0.17	< 10	0.97	220	< 1
BB-02206	201 202	< 0.2	2.47	< 2	180	1.5	< 2	0.06	< 0.5	8	66	13	3.31	< 10	< 1	0.19	10	0.97	250	< 1
BB-02207	201 202	0.2	1.50	2	190	0.5	4	0.05	< 0.5	7	45	39	3.02	< 10	< 1	0.11	< 10	0.50	640	3
BB-02208	201 202	0.8	0.45	6	270	1.0	< 2	0.12	0.5	14	21	126	6.35	< 10	< 1	0.10	< 10	0.11	355	7
BB-02209	201 202	1.2	1.31	6	2190	3.0	< 2	0.19	5.5	22	40	192	7.88	< 10	< 1	0.27	20	0.22	1640	7
BB-02210	201 202	< 0.2	2.23	16	410	0.5	< 2	0.51	< 0.5	9	44	29	3.83	10	< 1	0.39	10	0.76	420	1
BB-02211	201 202	0.2	2.55	4	350	1.5	< 2	0.44	< 0.5	10	56	30	3.33	< 10	< 1	0.23	40	0.94	635	< 1
BB-02212	201 202	< 0.2	1.37	4	180	0.5	< 2	0.12	< 0.5	8	53	37	3.31	< 10	< 1	0.18	10	0.46	275	2
BB-02213	201 202	0.2	2.46	< 2	190	1.0	< 2	0.17	< 0.5	16	51	39	4.26	< 10	< 1	0.16	20	0.91	775	2
BB-02214	201 202	< 0.2	2.43	6	140	0.5	< 2	0.09	< 0.5	7	55	25	3.79	< 10	< 1	0.16	10	0.78	285	1
BB-02215	201 202	0.2	6.19	6	570	2.5	< 2	0.18	< 0.5	22	418	46	7.61	20	1	0.48	< 10	3.40	545	< 1
BB-02216	201 202	< 0.2	1.71	4	280	1.0	4	0.05	< 0.5	7	46	24	3.91	< 10	< 1	0.11	10	0.63	215	< 1
BB-02217	201 202	< 0.2	1.58	6	170	0.5	< 2	0.06	0.5	7	57	20	2.84	< 10	< 1	0.10	10	0.74	245	< 1
BB-02218	201 202	< 0.2	0.70	40	210	1.5	< 2	0.03	2.0	9	21	91	5.72	< 10	< 1	0.08	10	0.06	165	7
BB-02219	201 202	< 0.2	4.57	42	600	0.5	< 2	0.47	< 0.5	18	100	49	6.78	10	< 1	0.68	< 10	2.32	730	< 1
BB-02220	201 202	< 0.2	1.36	6	100	< 0.5	< 2	0.05	< 0.5	4	23	14	2.00	< 10	< 1	0.11	10	0.25	120	< 1
BB-02221	201 202	< 0.2	1.72	4	220	1.5	< 2	0.40	< 0.5	7	37	24	2.64	< 10	< 1	0.19	70	0.70	325	< 1
BB-02222	201 202	0.6	2.93	4	230	1.0	< 2	0.19	0.5	14	62	35	4.49	10	< 1	0.13	20	1.20	465	1
BB-02223	201 202	0.6	5.66	8	250	1.5	< 2	0.07	1.0	15	210	73	6.20	10	< 1	0.28	< 10	2.49	485	6
BB-02224	201 202	< 0.2	2.21	6	210	0.5	< 2	0.04	< 0.5	7	54	24	3.41	10	< 1	0.30	< 10	0.81	375	1
BB-02225	201 202	0.4	1.72	4	320	0.5	< 2	0.59	0.5	10	39	48	3.29	< 10	< 1	0.20	20	0.54	595	1
BB-02226	201 202	< 0.2	1.69	8	220	0.5	< 2	0.25	< 0.5	6	38	11	2.29	< 10	< 1	0.14	20	0.70	230	< 1
BB-02227	201 202	0.2	2.94	< 2	180	1.5	< 2	0.22	0.5	14	39	60	5.34	10	1	0.21	10	0.80	690	2
BB-02228	201 202	0.4	0.96	8	320	1.5	< 2	0.12	0.5	15	17	82	5.65	< 10	< 1	0.13	20	0.15	635	4
BB-02229	201 202	< 0.2	0.95	< 2	220	0.5	< 2	0.04	0.5	5	14	32	3.10	< 10	< 1	0.14	10	0.14	130	2
BB-02230	201 202	< 0.2	1.89	6	50	< 0.5	< 2	0.06	< 0.5	10	315	13	3.41	10	< 1	0.05	< 10	1.44	185	< 1
BB-02231	201 202	< 0.2	0.83	2	50	< 0.5	< 2	0.06	< 0.5	5	29	4	2.25	< 10	< 1	0.18	< 10	0.30	145	3
BB-02232	201 202	< 0.2	0.77	6	50	< 0.5	< 2	0.08	< 0.5	4	25	4	1.31	< 10	< 1	0.10	< 10	0.31	105	< 1
BB-02233	201 202	0.2	2.15	2	80	< 0.5	< 2	0.10	< 0.5	10	48	9	3.69	< 10	< 1	0.13	< 10	0.58	220	< 1
BB-02234	201 202	0.2	1.88	48	190	< 0.5	< 2	0.54	< 0.5	20	232	31	3.20	< 10	< 1	0.25	10	1.80	450	< 1
BB-02235	201 202	< 0.2	2.35	8	110	0.5	< 2	0.14	< 0.5	9	44	12	3.83	10	< 1	0.10	10	0.81	545	1
BB-02236	201 202	0.2	3.42	10	530	< 0.5	< 2	0.11	1.5	15	177	24	5.30	10	< 1	0.31	< 10	1.86	370	3
BB-02237	201 202	0.4	2.70	8	300	0.5	< 2	0.13	0.5	13	93	27	6.93	10	< 1	0.27	< 10	1.06	660	4
BB-02238	201 202	< 0.2	2.48	10	190	0.5	< 2	0.22	< 0.5	11	51	28	3.48	< 10	< 1	0.17	10	1.00	305	1
BB-02239	201 202	0.2	2.73	10	280	1.0	< 2	0.29	< 0.5	10	61	48	3.44	< 10	< 1	0.30	20	1.09	345	2
BB-02240	201 202	< 0.2	1.21	6	150	< 0.5	< 2	0.13	< 0.5	6	38	16	2.69	< 10	< 1	0.11	10	0.43	195	3
BB-02241	201 202	< 0.2	2.93	16	130	0.5	< 2	0.19	< 0.5	11	48	16	3.55	10	< 1	0.09	10	1.04	190	< 1
BB-02242	201 202	< 0.2	1.41	8	110	0.5	< 2	0.13	< 0.5	8	50	22	3.32	10	1	0.14	10	0.51	160	3

CERTIFICATION:

*Haut Buchler*



# 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

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

Project: BUZZER  
Comments:

Page: 6-B  
Total: 6  
Certificate Date: 17-JUL-96  
Invoice No.: 19623414  
P.O. Number:  
Account: MPO

## CERTIFICATE OF ANALYSIS A9623414

SAMPLE	PREP CODE		Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
BB-02203	201	202	< 0.01	48	630	14	< 2	10	36	0.22	< 10	< 10	148	< 10	400
BB-02204	201	202	< 0.01	138	1170	14	< 2	10	7	0.15	< 10	< 10	137	< 10	210
BB-02205	201	202	< 0.01	35	740	12	< 2	4	7	0.11	< 10	< 10	66	< 10	86
BB-02206	201	202	< 0.01	31	350	14	< 2	4	4	0.10	< 10	< 10	59	< 10	100
BB-02207	201	202	< 0.01	32	640	18	< 2	2	4	0.02	< 10	< 10	84	< 10	192
BB-02208	201	202	< 0.01	88	500	18	< 2	3	18	< 0.01	< 10	< 10	47	< 10	268
BB-02209	201	202	< 0.01	125	1500	30	< 2	5	59	0.01	< 10	< 10	129	< 10	602
BB-02210	201	202	< 0.01	24	420	18	< 2	5	26	0.20	< 10	< 10	102	< 10	156
BB-02211	201	202	< 0.01	34	400	12	< 2	6	22	0.09	< 10	< 10	65	< 10	126
BB-02212	201	202	< 0.01	52	350	10	< 2	3	10	0.05	< 10	< 10	74	< 10	114
BB-02213	201	202	< 0.01	36	580	10	< 2	3	11	0.03	< 10	< 10	76	< 10	156
BB-02214	201	202	< 0.01	29	300	12	< 2	4	8	0.10	< 10	< 10	85	< 10	86
BB-02215	201	202	< 0.01	186	590	12	< 2	12	25	0.19	< 10	< 10	220	< 10	208
BB-02216	201	202	< 0.01	30	720	20	< 2	3	8	0.06	< 10	< 10	65	< 10	124
BB-02217	201	202	< 0.01	32	310	10	< 2	4	5	0.07	< 10	< 10	66	< 10	98
BB-02218	201	202	< 0.01	68	580	24	< 2	3	14	< 0.01	< 10	< 10	77	< 10	338
BB-02219	201	202	< 0.01	45	410	12	< 2	10	23	0.52	< 10	< 10	196	< 10	228
BB-02220	201	202	< 0.01	13	260	14	< 2	1	7	0.07	< 10	< 10	65	< 10	58
BB-02221	201	202	< 0.01	26	310	10	< 2	5	21	0.08	< 10	< 10	41	< 10	62
BB-02222	201	202	< 0.01	31	370	20	< 2	6	13	0.05	< 10	< 10	91	< 10	226
BB-02223	201	202	< 0.01	78	450	22	< 2	17	6	0.23	< 10	< 10	245	< 10	314
BB-02224	201	202	< 0.01	28	480	12	< 2	5	4	0.11	< 10	< 10	92	< 10	102
BB-02225	201	202	< 0.01	26	640	12	< 2	4	24	0.07	< 10	< 10	56	< 10	154
BB-02226	201	202	< 0.01	19	190	10	< 2	4	14	0.10	< 10	< 10	45	< 10	60
BB-02227	201	202	< 0.01	30	710	34	< 2	3	20	0.06	< 10	< 10	87	< 10	232
BB-02228	201	202	< 0.01	46	620	20	< 2	4	12	< 0.01	< 10	< 10	56	< 10	178
BB-02229	201	202	< 0.01	23	430	8	< 2	1	6	0.01	< 10	< 10	60	< 10	124
BB-02230	201	202	< 0.01	118	570	8	< 2	4	4	0.09	< 10	< 10	108	< 10	96
BB-02231	201	202	< 0.01	9	200	8	< 2	1	7	0.16	< 10	< 10	73	< 10	32
BB-02232	201	202	< 0.01	10	90	8	< 2	1	6	0.11	< 10	< 10	47	< 10	26
BB-02233	201	202	< 0.01	19	440	10	< 2	2	12	0.16	< 10	< 10	57	< 10	78
BB-02234	201	202	< 0.01	270	820	8	< 2	6	21	0.08	< 10	< 10	70	< 10	82
BB-02235	201	202	< 0.01	22	400	10	< 2	4	12	0.11	< 10	< 10	72	< 10	122
BB-02236	201	202	< 0.01	40	290	12	< 2	10	9	0.30	< 10	< 10	217	< 10	246
BB-02237	201	202	< 0.01	29	680	10	< 2	6	10	0.23	< 10	< 10	174	< 10	206
BB-02238	201	202	< 0.01	34	160	10	< 2	5	17	0.12	< 10	< 10	78	< 10	88
BB-02239	201	202	< 0.01	42	560	14	< 2	6	21	0.12	< 10	< 10	75	< 10	96
BB-02240	201	202	< 0.01	24	290	10	< 2	3	11	0.08	< 10	< 10	70	< 10	66
BB-02241	201	202	< 0.01	29	350	12	< 2	4	13	0.12	< 10	< 10	75	< 10	170
BB-02242	201	202	< 0.01	30	290	10	< 2	3	11	0.11	< 10	< 10	90	< 10	80

CERTIFICATION:

*Harold Buchler*

**ARCHER, CATHRO**  
& ASSOCIATES (1981) LIMITED  
**CONSULTING GEOLOGICAL ENGINEERS**


Box 4127, 2054 SECOND AVENUE, WHITEHORSE, Y.T. Y1A 3S9 Tel (403) 667 - 4415

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AFFIDAVIT

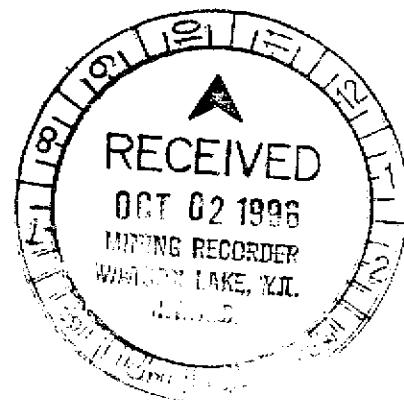
I, Joan Mariacher, of WHITEHORSE, YUKON make oath and say:

That to the best of my knowledge the attached Statement of Expenditures for exploration work on the BUZZER 1-28 mineral claims on Claim Sheet 1056/1 is accurate.

  
 \_\_\_\_\_  
 Joan Mariacher

Sworn before me at WHITEHORSE YUKON  
 this 27TH day of  
SEPTEMBER, 1996

  
 \_\_\_\_\_  
 Notary, Yukon Territory



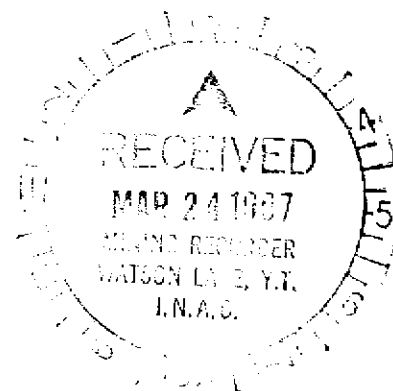
**Statement of Expenditures  
Buzzer 1-28 Mineral Claims  
September 23, 1996**

Labour

J. Owerko, field assistant - June 17-28 - 12 days @ \$202.50/day .....	\$2,430.00
P. Moores, field assistant - June 17-28 - 12 day @ \$172.50/day .....	2,070.00
J. Young, field assistant - June 17-28 - 12 days @ \$165/day .....	<u>1,980.00</u>
	\$6,480.00
Less claim tagging costs - .7 mandays @ \$172.50/day, plus room and board @ \$115/day .....	<u>215.34</u>
	\$6,264.66

Expenses

Field room and board - 48 days @ \$115/day .....	5,906.40
Chemex Labs Ltd. ....	3,556.43
Coureur des Bois - L. Gignac - June 17-28 - 12 days @ \$275/day .....	<u>3,531.00</u>
	\$12,993.83
 TOTAL .....	 <u>\$19,258.49</u>



In Account With

Project —

FINLAYSON PROJECT

Date —

JUNE 30, 1996

LABOUR			
Field			
A. ARCHER	- 39 HRS AT 60/HAL	2340.00	
R. CARNE	- 8 HRS AT 50/HAL	400.00	
D. EATON	- 18Y HRS AT 50/HAL	9100.00	
T. BECKER	- 240 HRS AT 40	9600.00	
B. WENZYNOWSKI	- 56 HRS AT 40/HAL	2240.00	
G. LOWEY	- 9 DAYS AT 300/DAY	2700.00	
G. McDOUGALL	- 14 DAYS AT 300/DAY	4200.00	
K. SAX	- 30 DAYS AT 270/DAY	8100.00	
G. DUSO	- 9 DAYS AT 255/DAY	2295.00	
A. BURGERT	- 26 DAYS AT 247.50/DAY	6435.00	
M. BEDARD	- 30 DAYS AT 232.50/DAY	6975.00	
J. O'ROURKE	- 30 DAYS AT 275/DAY	8250.00	
G. BELL	- 30 DAYS AT 210/DAY	6300.00	
L. GIBSON	- 30 DAYS AT 202.50/DAY	6075.00	
J. ONERKO	- 28 DAYS AT 202.50/DAY	5670.00	
J. McPHEE	- 30 DAYS AT 180/DAY	5400.00	
K. WOJCIK	- 30 DAYS AT 180/DAY	5400.00	
C. COWAN	- 6 DAYS AT 175.50/DAY	1053.00	
P. GLOMBICK	- 9 DAYS AT 175.50/DAY	1552.50	
J. HUCKLE	- 9 DAYS AT 175.50/DAY	1552.50	
P. MOORES	- 18 DAYS AT 175.50/DAY	3105.00	
D. ROBINSON	- 30 DAYS AT 175.50/DAY	5175.00	
BRAD WENZYNOWSKI	- 9 DAYS AT 175.50/DAY	1552.50	
R. BAINES	- 30 DAYS AT 165/DAY	4950.00	
G. DOWNS	- 9 DAYS AT 165/DAY	1485.00	
B. NODWELL	- 30 DAYS AT 165/DAY	4950.00	
D. REGERL	- 30 DAYS AT 165/DAY	4950.00	
T. RESZAT	- 30 DAYS AT 165/DAY	4950.00	
S. SCHNEIDER	- 11 DAYS AT 165/DAY	1815.00	
S. TAYLOR	- 30 DAYS AT 165/DAY	4950.00	
J. YOUNG	- 30 DAYS AT 165/DAY	4950.00	
S. DE LA BARRE	- 26 DAYS AT 267.50/DAY	6825.00	
N. EDELSON	- 30 DAYS AT 165/DAY	4950.00	
Office	M. COOKE - 23 1/4 HRS AT 32/HAL	725.50	
Accounting & Expediting	J. MARIACHER - 155 1/4 HRS AT 44.50/HAL	6598.13	156101.13
<b>OTHER SERVICES</b>			
Room & Board in Whitehorse	26 DAYS AT 60/DAY	1560.00	
Field equipment from AC stock	17.00CY + 705.30 DI	717.30	
Printing	27.95 Photocopies 1984 @ .75 - 496.00	523.95	
Rentals from AC	JUNE 1-30 - 4 50X 11 1/2 @ 75/mo; BINOC SCOPE @ 260/mo; ROCK SAW @ 170/mo; 1Y KVA GENERATOR @ 1410/mo; 2 HANDHELD AT 700/mo; 1/2 D. EATON HANDHELD @ 100/mo; HONDA HYD PUMP @ 75/mo	2965.00	
Drafting	9 hrs at \$ 34.70 /hr.	307.80	
LOOMIS COURIER	- 5 @ 12.50 EACH	62.50	6136.55



# Chemex Labs Ltd.

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

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

**INVOICE NUMBER**

**I 9 6 2 3 4 1 4**

## BILLING INFORMATION

Date: 18-JUL-96  
Project: BUZZER  
P.O. No.:  
Account: MPO

Comments:

Billing: For analysis performed on  
Certificate A9623414

Terms: Payment due on receipt of invoice  
1.25% per month (15% per annum)  
charged on overdue accounts

Please Remit Payments to:

**CHEMEX LABS LTD.**  
212 Brooksbank Ave.,  
North Vancouver, B.C.  
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
240	201 - Dry, sieve to -80 mesh	1.25		
	202 - save reject	0.85		
	ICP-32	7.00	9.10	2184.00
Total Cost \$				2184.00
Client Discount ( 25%) \$				<u>-546.00</u>
Net Cost \$				1638.00
(Reg# R100938885 ) GST \$				<u>114.66</u>
<b>TOTAL PAYABLE (CDN) \$</b>				<b>1752.66</b>



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

**INVOICE NUMBER**

**I 9 6 2 3 4 1 5**

## BILLING INFORMATION

Date: 16-JUL-96  
Project: BUZZER  
P.O. No.:  
Account: MPO

Comments:

Billing: For analysis performed on  
Certificate A9623415

Terms: Payment due on receipt of invoice  
1.25% per month (15% per annum)  
charged on overdue accounts

Please Remit Payments to:

**CHEMEX LABS LTD.**  
212 Brooksbank Ave.,  
North Vancouver, B.C.  
Canada V7J 2C1

# OF SAMPLES	ANALYSED FOR CODE - DESCRIPTION	UNIT PRICE	SAMPLE PRICE	AMOUNT
247	201 - Dry, sieve to -80 mesh	1.25		
	202 - save reject	0.85		
	ICP-32	7.00	9.10	2247.70
Total Cost \$				2247.70
Client Discount ( 25%) \$				<u>-561.93</u>
Net Cost \$				1685.77
(Reg# R100938885 ) GST \$				<u>118.00</u>
<b>TOTAL PAYABLE (CDN) \$</b>				<b>1803.77</b>



# COUREUR DES BOIS

LTD./LTEE.

BOX 5301, WHITEHORSE, YUKON Y1A 4Z2

Telephone: (403) 668-2593

BILL TO: EXPATRIATE Resources Inc  
Box 4177  
Whitehorse Yukon  
Y1A 3S9

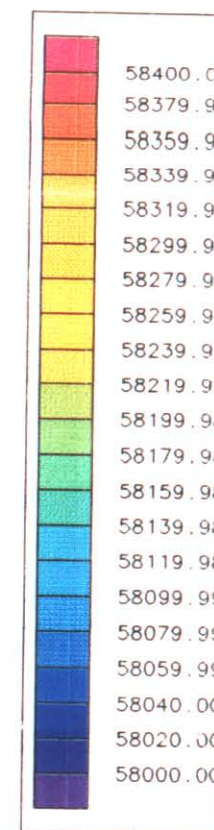
INVOICE No 388

JULY 1/96

QUANTITY	JOB DESCRIPTION	PRICE PER	AMOUNT
25	<p>ATT: Mr. DOUG EATON.</p> <p>RE: 1 hr. CUTTER.</p> <p>JUNE 4 TO 28/96</p> <p>MAN DAY WITH EQUIP MOT</p> <p>GST 101175909</p> <p>Thank you Demi J... [Signature]</p>	<p>275.</p> <p>7%</p>	<p>6875.<sup>00</sup></p> <p>481.25</p> <p>and July 8/96 # [unclear]</p>
INVOICE TOTAL			7356.25

6775200N  
423500E

6775200N  
424000E



CONTOUR INTERVAL: 20 nT



SCALE: 1:5000

093641

EXPATRIATE RESOURCES LTD.

BUZZER PROPERTY

NTS: 105 G/1

(Grid registered to UTM Datum NAD 27)

TOTAL MAGNETIC FIELD SURVEY

CONTOUR MAP

FIG. BZ - 1



AMEROK GEOSCIENCES LTD.

6774200N  
422500E

6773700N  
422500E

