



# ARCHER, CATHRO

& ASSOCIATES (1981) LIMITED

CONSULTING GEOLOGICAL ENGINEERS

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## ASSESSMENT REPORT

describing

## GEOCHEMICAL, GEOPHYSICAL AND CLAIM SURVEYS

on the

## POWER PLAY PROPERTY

Play 1-64	YB59183-YB59246
65-88	YB60911-YB60934
89-139	YB76998-YB77048
Ref 1-16	YB77069-YB77084
17-152	YB79593-YB79728

Latitude 61° 50' N; Longitude 131° 30' W

NTS 105G/13 and 105G/14

in the

WATSON LAKE MINING DISTRICT

YUKON TERRITORY

Prepared by

Archer, Cathro & Associates (1981) Limited

for

**EXPATRIATE RESOURCES LTD.**

A. Burgert, B.Sc.  
January 1997



093570

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 \$ 78964.03.

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

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## INTRODUCTION

Expatriate Resources Ltd. has a 100% interest in the Power Play property which protects targets selected from old assessment reports and a regional geochemical data base documenting results of 1973 exploration by a joint venture managed by Archer, Cathro & Associates (1981) Limited (Cathro, 1973). A total of 291 claims were staked in 1995 and spring 1996. Grid soil sampling, prospecting and geological mapping were done in 1995 by Expatriate in the west-central part of the property (Wengzynowski, 1996).

Field exploration was conducted during summer 1996 by crews working from Expatriate's base camp on Finlayson Lake as well as from three small fly camps located on the property. The work consisted of reconnaissance and grid soil geochemistry, airborne and ground geophysical surveys and claim surveys. The program was managed by Archer Cathro and participated in by the author. Appendix I contains the Author's Statement of Qualifications.

This report focusses on the geochemical and claim surveys. The geophysical surveys are the subject of separate reports. Airborne magnetic and electromagnetic results are reported together with results from other properties in "Report on an Electromagnetic and Magnetic Survey" by Aerodat Inc. dated June 13, 1996, copies of which have been filed as a separate document. Ground magnetic and Maxmin survey results are reported 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°50'N and longitude 131°30'W on NTS map sheets 105G/13 and 105G/14 (Figure 1). It is comprised of 291 contiguous mineral claims (Figures 2 and 3) 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>
Play 1-64	YB59183-YB59246	March 17, 2002
65-88	YB60911-YB60934	March 17, 2001
89-139	YB76998-YB77048	March 17, 1998
Ref 1-16	YB77069-YB77084	February 20, 2002
17-152	YB79593-YB79728	February 20, 2002

\*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 54 km northwest of the base camp and 230 km northeast of Whitehorse. Helicopter support was provided by a Bell 206B Jet Ranger and an Aerospatiale 350B contracted from Kluane Helicopters of Haines Junction, Yukon. The helicopters were stationed at Expatriate's base camp for the summer.

During the 1996 exploration program most 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.

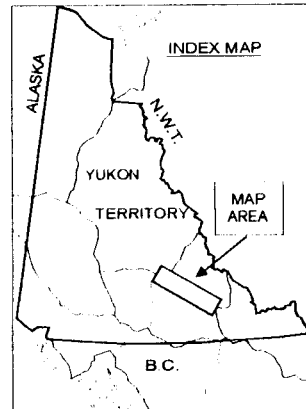
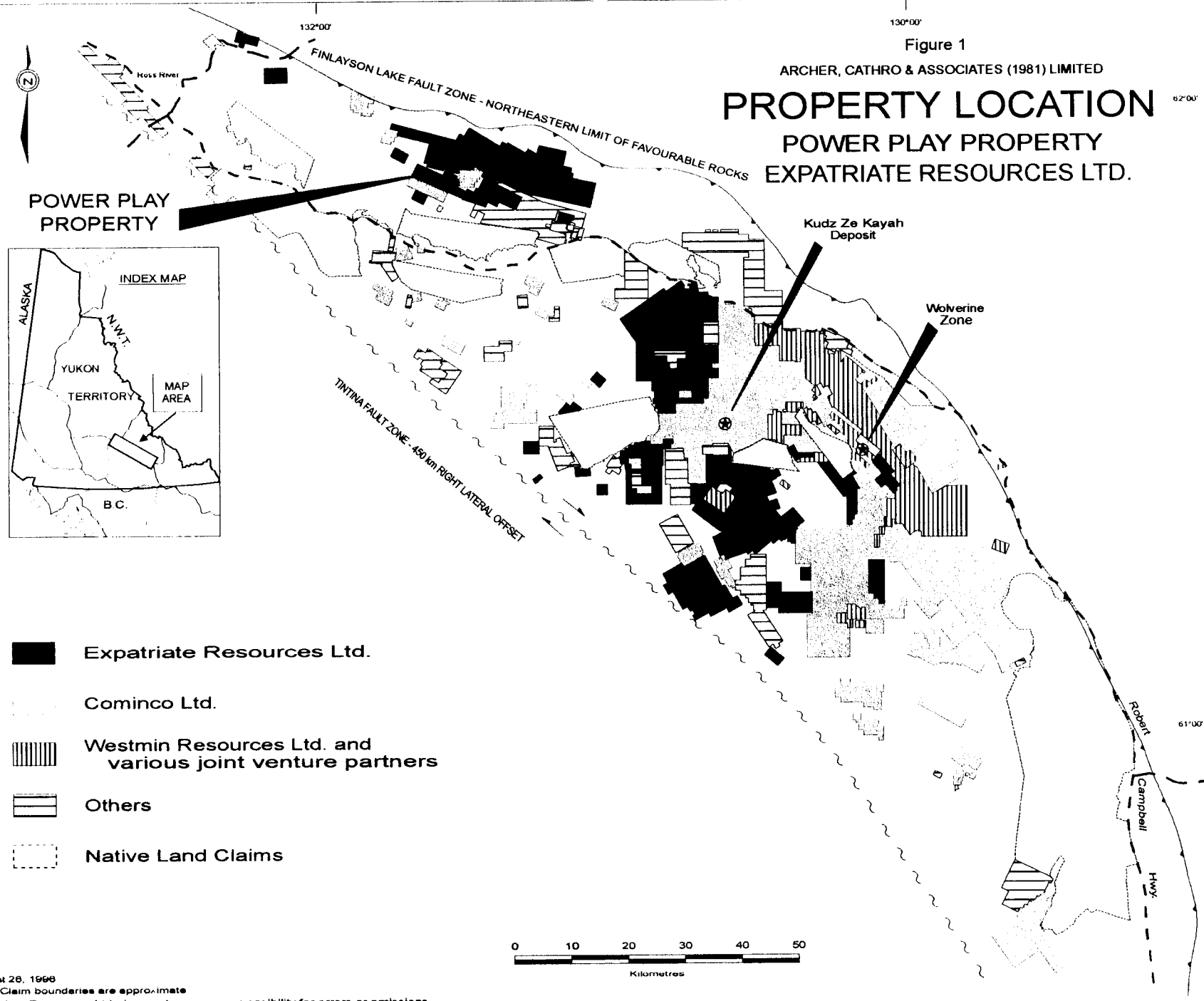
Figure 1

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

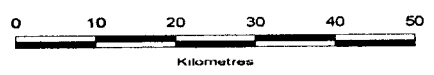
# PROPERTY LOCATION

## POWER PLAY PROPERTY

### EXPATRIATE RESOURCES LTD.



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



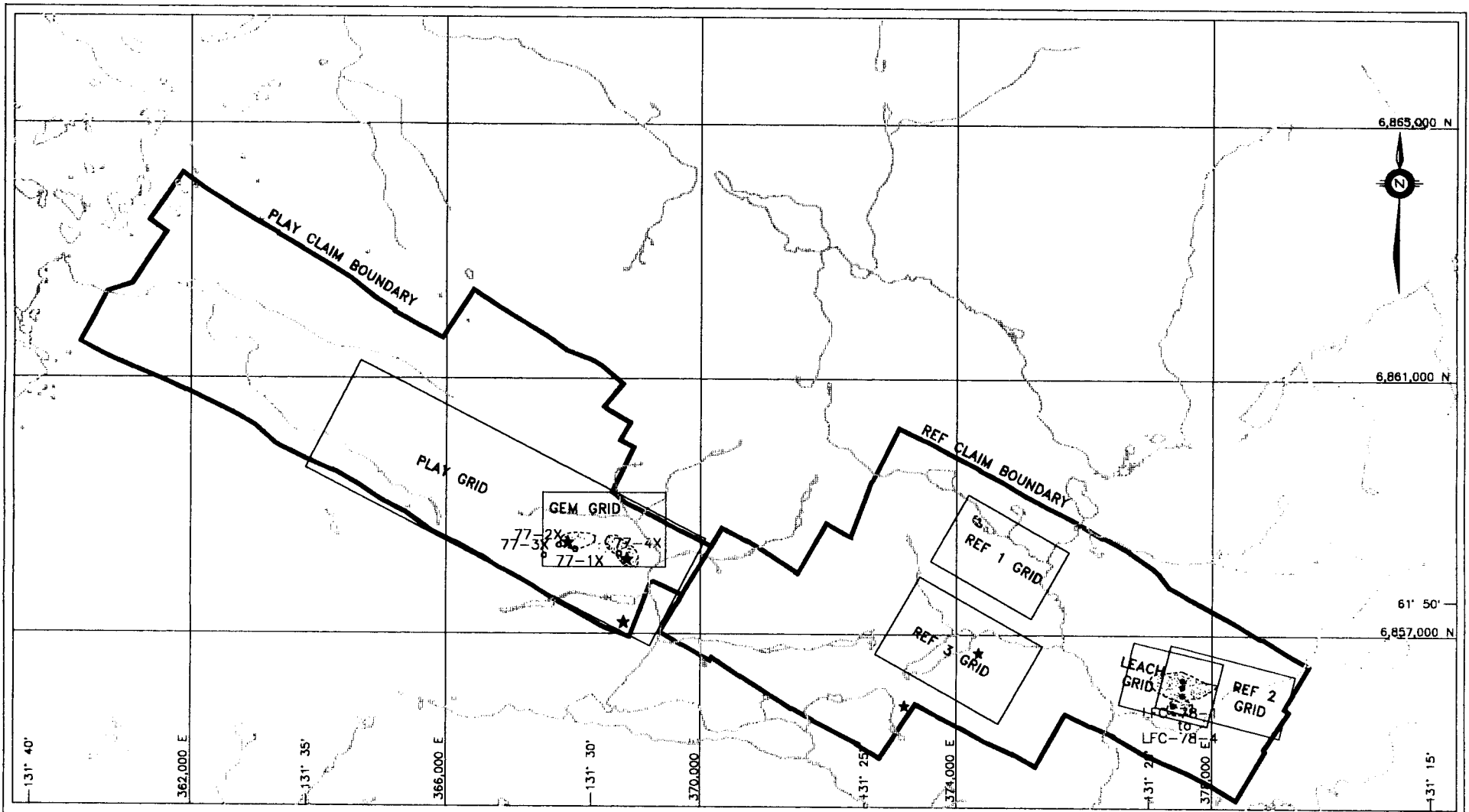
August 28, 1998  
 Note: Claim boundaries are approximate  
 Expatriate Resources Ltd. does not assume responsibility for errors or omissions

## HISTORY

Part of the area now protected by the Play claims was first staked by Kerr Addison Mines Limited in 1966 following the discovery of the Anvil Range lead-zinc deposits 100 km to the northwest. Field exploration in 1966 consisted of geological mapping, prospecting and grid soil geochemical sampling.

Between 1973 and 1976 the property was partially restaked by independents (Figure 4). In fall 1976 Yukon Revenue Mines Ltd. optioned the Gem claims which cover part of what is now the Play claims and performed geological mapping, prospecting and soil geochemical surveys later that year. Two stratabound sulphide showings consisting of minor foliaform pyrite, chalcopyrite, galena and sphalerite were discovered within tuffaceous chlorite schist. Soil geochemistry outlined coincident lead-zinc-copper anomalies. Oxidized and leached float specimens collected from soil within the anomalies returned up to 2.2% zinc and 0.5% lead. In 1977 one of the soil anomalies was tested by 390 m of diamond drilling in four holes. Weak mineralization was encountered in all holes, the best of which returned 0.54% zinc and 0.1% lead over 1.5 m (Crowhurst, 1976). Exploration was discontinued and the property was transferred to Harjay Enterprises Ltd. in 1980.

In 1976 Alan Carlos and Associates staked the Leach claims along strike to the east of the Gem claims over the ground now covered by the Ref claims. In 1977 Brendex Resources Ltd. optioned the Leach claims and performed soil sampling and an airborne magnetic survey. This



- 1977 drill hole location
- 1978 drill hole location
- ★ Showing
- Soil geochemical grid
- ◐ Soil geochemistry anomaly
- - - Stream, Lake
- Claim boundary



FIGURE 4

Archer, Cathro & Associates (1981) Limited

**HISTORICAL COMPILATION**

**POWER PLAY PROPERTY**

**EXPATRIATE RESOURCES LTD.**

SCALE: 1:20,000	FILE: PLAYCOMP.DWG
DRAWN: AB	PROJ: FP
	DATE: 25-JAN-87

work outlined an area of intensely anomalous zinc soil geochemical response with a peak value of 7300 ppm. The following year the property was optioned to DuPont of Canada Exploration Limited which conducted gravity and horizontal loop electromagnetic surveys, followed by 305 m of diamond drilling in four holes. Geochemically anomalous graphitic phyllite was encountered in all holes but no sulphide mineralization was intersected. The best sample came from a depth of 38 m in Hole LFC78-3 and assayed 2.62% zinc over 1.53 m (Ager, 1978).

From 1978 to 1982 Hudson Bay Exploration and Development Company Limited explored several properties in the Pelly Banks region, 5 km southeast of the Ref property, under options from independents. Prospecting resulted in the discovery of several well mineralized float boulders while diamond drilling intersected a number of uneconomic zones of stratiform lead-zinc mineralization. The best target was a 36 tonne boulder of high grade sphalerite and galena found in a creek bed. Two holes in the vicinity of the boulder intersected 0.3 m bearing 3.1% zinc, 3.1% lead and 22.11 g/t silver (Hole PB 6) and 0.4 m bearing 3.8% zinc, 0.2% lead and 2.55 g/t silver (Hole PB 7), but other nearby holes yielded disappointing results (Stroshein, R.W.).

### GEOMORPHOLOGY

The Power Play property covers low hills of the Yukon Plateau, 12 km north of the Pelly River. Creeks draining the property flow eastward and southward into the Pelly River which is part of the Yukon River watershed. There are several small lakes on the property.

Elevations range from 950 m in marshy lowlands at the eastern and western ends of the property to 1525 m atop hills in the north-central portion. Topographic relief is subdued, typically less than 15°, and Pleistocene glacial till blankets most of the property.

Vegetation consists of moderately dense stands of mature balsam and black spruce giving way to buckbrush, willow and moss on hilltops. Much of the eastern portion of the property covers an old burn which is now regrown with aspen, willow and buckbrush.

## REGIONAL GEOLOGY

The Power Play 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 5). These terranes represent the innermost of the accreted or "suspect" terranes in the Canadian Cordillera (Mortensen and Jilson, 1985). The northeastern margin of the block is the Finlayson 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 6) 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

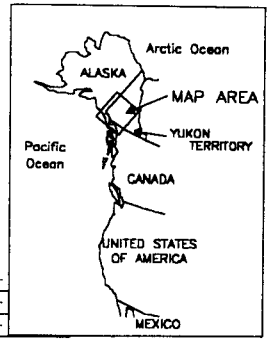
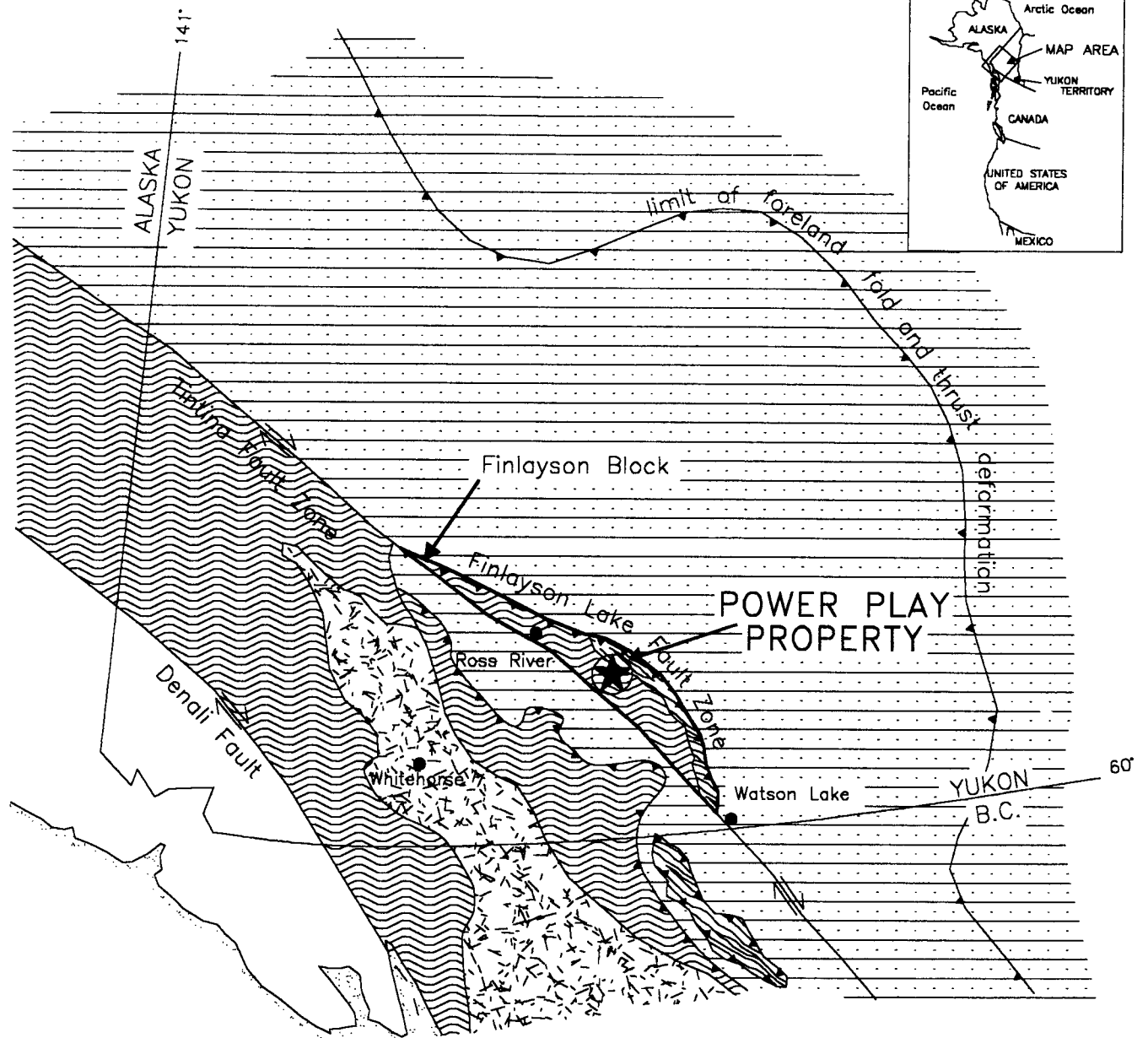
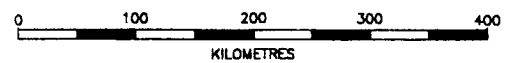


FIGURE 5  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**TECTONIC SETTING**  
 POWER PLAY PROPERTY  
 EXPATRIATE RESOURCES LTD.



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

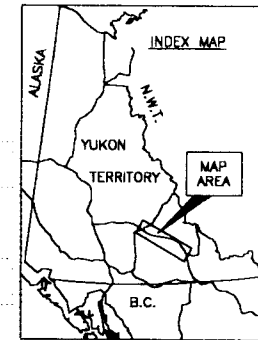
FIGURE 6

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

# REGIONAL GEOLOGY

POWER PLAY PROPERTY  
EXPATRIATE RESOURCES LTD.

82°00'



POWER PLAY PROPERTY

North American Miogeocline

Pre-Triassic sedimentary and volcanic

Slide Mountain Terrane

Chert, ultramafic, greenstone, metavolcanics, and carbonate rocks

Yukon-Tanana Terrane

Paleozoic Metaplutonic Rocks

Paleozoic 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.



south of Finlayson Lake, large isolated outcrops of marble and quartzite which are poorly dated as Early 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 volcanogenic massive sulphide (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 6). 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.

## 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

The Power Play property was staked to protect targets selected from the Archer Cathro data. Peak values from 1973 sampling at Power Play were 195 ppm copper, 1040 ppm zinc and 55 ppm molybdenum.

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.

### 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. The Power Play property follows a subtle northwest-trending aeromagnetic anomaly.

### **PROPERTY GEOLOGY AND MINERALIZATION**

Property geology and mineralization are illustrated on Figures 7 and 8. Although bedrock is generally obscured by glacial till, outcrops are relatively abundant where drainages are deeply incised. Most exposures are well foliated with an average orientation of 124°/27°N. Seven rock types are recognized on the property. The first six belong to the Paleozoic Layered Metamorphic Sequence while the seventh is part of the Paleozoic Metaplutonic Suite.

**Quartz-sericite±chlorite schist** is tan to rusty weathering and well foliated with quartz content varying from 25 to 40%. Outcrops with higher than average quartz content contain weakly strained clear quartz eyes up to 3 mm in diameter and minor mariposite. Foliaform limonitic boxwork is common in some areas. Quartz-carbonate sweats, veins and veinlets are abundant and often weakly mineralized along selvages with pyrite, arsenopyrite, chalcopyrite and galena.

**Chlorite-muscovite±quartz schist** is pale green to grey weathering, well foliated and weakly calcareous. Differential weathering is developed where quartz is present. Disseminated pyrite (<3 mm in diameter) typically comprises between 1 and 4% of the rock. Quartz-carbonate sweats, veins and veinlets similar to those described above are also present in this unit.

**Muscovite phyllite** is silver to grey, well foliated and recessive weathering. Hand specimens are fissile and greasy to the touch. Quartz-carbonate sweats are present but in low quantities.

**Graphitic shale/phyllite** is black, recessive weathering and well foliated. In the eastern part of the Play claims it exhibits strongly oxidized, moderately to strongly leached, yellow or brown boxwork parallel to foliation. This unit is only weakly oxidized in the western part of the property where it contains up to 20% quartz.

**Felsic/intermediate metavolcanics** are rusty weathering, tan to blue-grey on fresh surfaces and massive to weakly foliated. Mineral assemblage is comprised of 50 to 60% quartz, 10 to 20% decussate feldspar laths and trace to 10% muscovite and biotite. Sulphide mineralization consists of disseminated pyrite (5 to 10%), arsenopyrite (2 to 5%) and trace chalcopyrite. Crosscutting quartz veins are commonly mineralized with arsenopyrite and pyrite (totalling up to 15%).

**Tuffaceous rhyolite** is pale green weathering, green to grey on fresh surfaces and weakly to non-calcareous. Flow banding is commonly oblique to foliation.

**Diorite** is dark green weathering, grey to green on fresh surfaces and comprised of 60 to 70% feldspar, 10 to 20% hornblende, 5 to 10% biotite and trace to 5% quartz. It is massive to weakly foliated and weakly pyritic.

No outcrops were mapped on the Ref claims and the geology shown on Figure 8 has been extrapolated from drill holes and geophysical interpretation.

Six types of mineralization recognized on the property are described below.

Bands of massive pyrite (up to 3 cm thick) with trace amounts of chalcopyrite, sphalerite and galena are exposed in a quartz-sericite±chlorite schist outcrop in the southern part of the

Play claims. Work done in the area in 1977 by Yukon Revenue included diamond drill hole 77-3X which tested beneath the outcrop and intersected 3 m of weak mineralization including 0.54% zinc and 0.1% lead over 1.5 m. The showing was relocated in 1995 but no additional samples were taken.

Ferricrete breccia float boulders (up to 1.5 x 1.0 x 0.3 m) and soliflucted lenses occur within silicified graphitic phyllite in the central part of the Play claims. A hand pit exposes a 10 cm lens of red and black limonitic mangiferous breccia containing angular to subrounded silicified graphitic phyllite fragments. A chip sample across the lens returned 0.5% zinc and low values for all other metals. Fragments of similar limonitic material discovered by Yukon Revenue within graphitic phyllite in the south-central part of what is now the Play claim block reportedly assayed 2.2% zinc and 0.5% lead.

Yellow to brown, leached and pitted limonite fragments discovered in a small slump on a north-facing slope in the central portion of what is now the Play claims returned 2.97% lead, 33 g/t silver and 1 g/t gold. This type of float is not abundant and no sulphides were observed.

Pyrite- and arsenopyrite-bearing felsic metavolcanics occur in several outcrops in the central part of the Play claims. Pyrite occurs as fine disseminations (5 to 10%) while arsenopyrite is irregularly distributed forming up to 5 mm in diameter blebs and isolated blades. One sample of this material returned 500 ppb gold and 1705 ppm arsenic with low values for other metals.

Sphalerite-galena-chalcopyrite mineralization is found in numerous locations on the property in association with quartz-carbonate veins and sweats. The sulphides occur along selvages and comprise trace to 2% of the rock. No samples of this material were taken.

Four drill holes were collared near the centre of the Play claims in 1977 and cut graphitic phyllite immediately beneath overburden. All but one of the holes returned anomalous zinc values in the range of 0.10 to 0.54% over intersected widths of up to 7.6 m. Analyses for other metals returned near background values. Drilling on the Leach property (now covered by the Ref claims) in 1978 intersected graphitic phyllite grading up to 2.62% zinc over a width of 1.53 m.

## PROPERTY GEOCHEMISTRY

### General

In 1995 the southeastern portion of the Play claims was grid soil sampled, as previously reported (Wengzynowski, 1996). Work in 1996 included reconnaissance sampling along claim lines on the Play claims and three areas of grid sampling on the Ref claims (Ref 1, 2 and 3 grids). The reconnaissance sampling was done at approximately 100 m intervals except where badly frozen ground prevented sample collection. The grid sampling at Ref was done at 100 m intervals along lines spaced 100 m apart using cut baselines for control. All reconnaissance and grid sample locations are marked by 0.5 m wooden lath bearing aluminum tags inscribed with the sample number and, where applicable, the grid coordinates. Figure 9 illustrates the sample location for 1995 grid and 1996 reconnaissance work on the Play claims while Figure 10 shows locations for the 1996 grid sampling on the Ref claims.

All the 1995 and 1996 soil samples taken were sent to Chemex Labs Ltd., North Vancouver, B.C. where they were screened to 175 microns, digested in nitric-aqua regia and geochemically analyzed for 32 elements using the Induced Coupled Plasma (ICP) technique. Some of the samples were later reanalyzed for gold using nitric-aqua regia digestion followed by atomic absorption. Certificates of Analysis for the 1996 sampling appear in Appendix IV while those for the 1995 work were previously reported (Wengzynowski, 1996).

**Results**

The 1995 sampling on the Play claims returned moderately to strongly anomalous values for copper, molybdenum, zinc, silver, arsenic and gold as previously reported (Wengzynowski, 1996). Figures 11 to 16 illustrate 1995 and 1996 copper, lead and zinc results for the Play and Ref claims. Anomalous thresholds and peak values for various VMS indicator elements are as follows.

<b><u>Element</u></b>	<b>Threshold Values (ppm)</b>			<b><u>Peak Value</u></b>
	<b><u>Weak</u></b>	<b><u>Moderate</u></b>	<b><u>Strong</u></b>	
Copper	50	100	200	505
Lead	50	100	NA*	114
Zinc	200	500	1000	2470
Silver	1	2	5	8.6
Molybdenum	2	5	10	56
Arsenic	20	50	100	5220
Gold	25	50	100	670

The highest values for most elements were from the Play grid. The best zinc response is from the Ref 2 grid while the highest single lead value came from a reconnaissance sample in the northeastern corner of the Play claims.

Results from the Ref 1 and 3 grids show weakly to moderately anomalous response for copper, zinc and molybdenum with little lead or silver support. Sampling on the Ref 2 grid confirmed early sampling by DuPont which had yielded high zinc values. The area of strongly anomalous zinc response is about 500 m in diameter. It approximately coincides with weak molybdenum values and is fringed on the north side by erratic, weakly to moderately anomalous copper values. The entire grid produced low lead and silver results.

DuPont drilled four holes in the Ref 2 anomaly in 1978 and showed that the area is blanketed by 10 to 20 m of glacial till. The holes yielded poor core recovery but did contain high zinc background in graphitic phyllite, as described in the History section.

The anomalous area is situated on a gentle south-facing slope where the ground is saturated with water for most of the year. The top of the anomaly is about 300 m downhill from an electromagnetic conductor and coincident magnetic low.

Reconnaissance sampling on the Play claims outlined numerous areas of moderate response which generally resemble results from the Play grid.

**CONCLUSIONS AND RECOMMENDATIONS**

The Power Play property is underlain by the Layered Metamorphic Sequence which hosts VMS deposits elsewhere in the Finlayson Lake area.

Soil geochemistry has outlined several excellent targets which are anomalous for most of the main VMS indicator elements. Numerous electromagnetic conductors have been defined but magnetic response is relatively subdued.

The next stage of exploration should consist of wide spaced stratigraphic drill holes to test geochemical and geophysical targets on the Play and Ref 2 grids coupled with closer spaced soil sampling, detailed mapping and prospecting on the reconnaissance targets.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

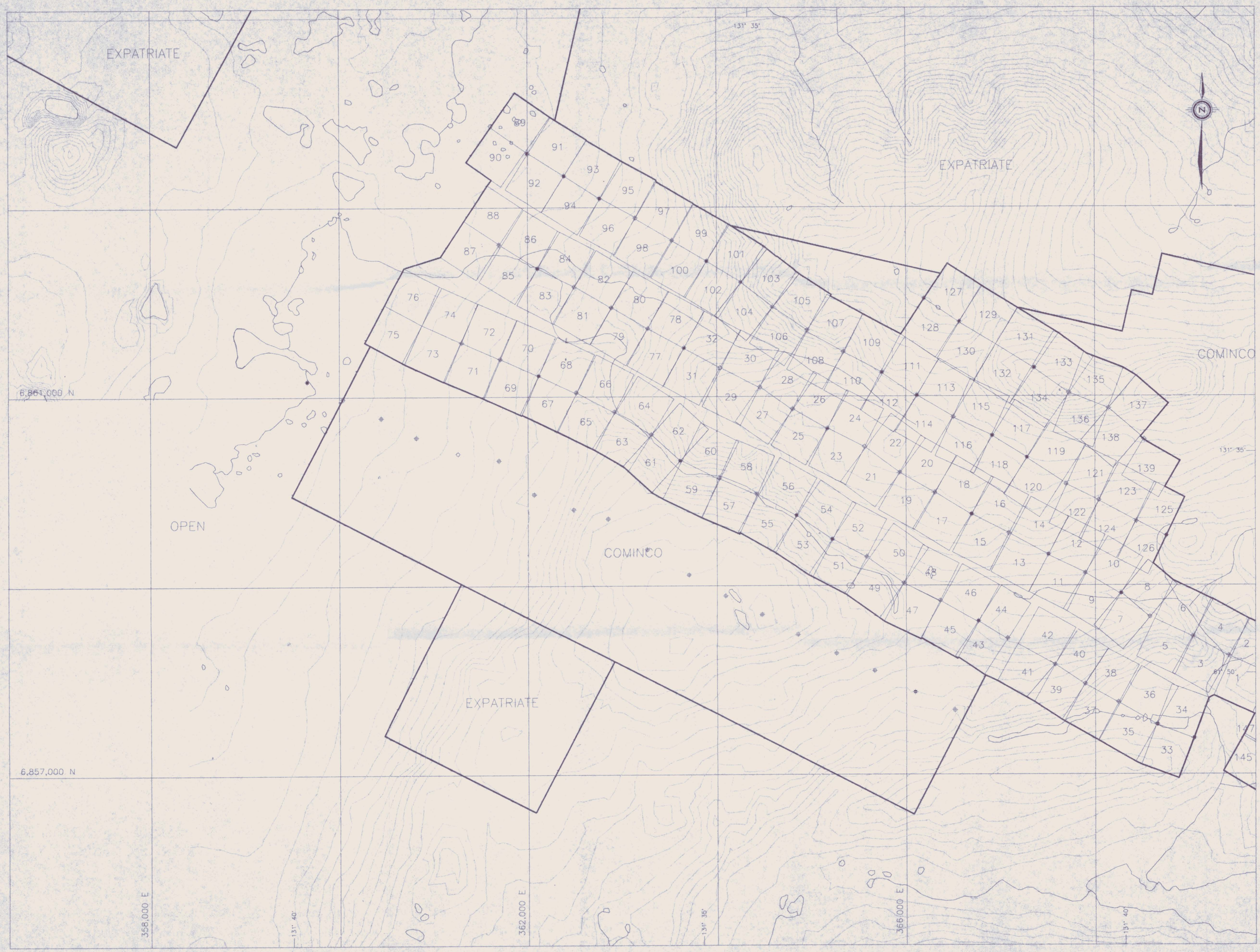


A. Burgert, B.Sc.

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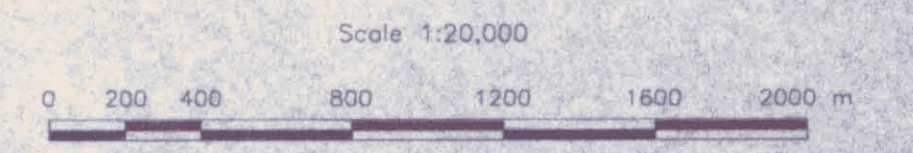
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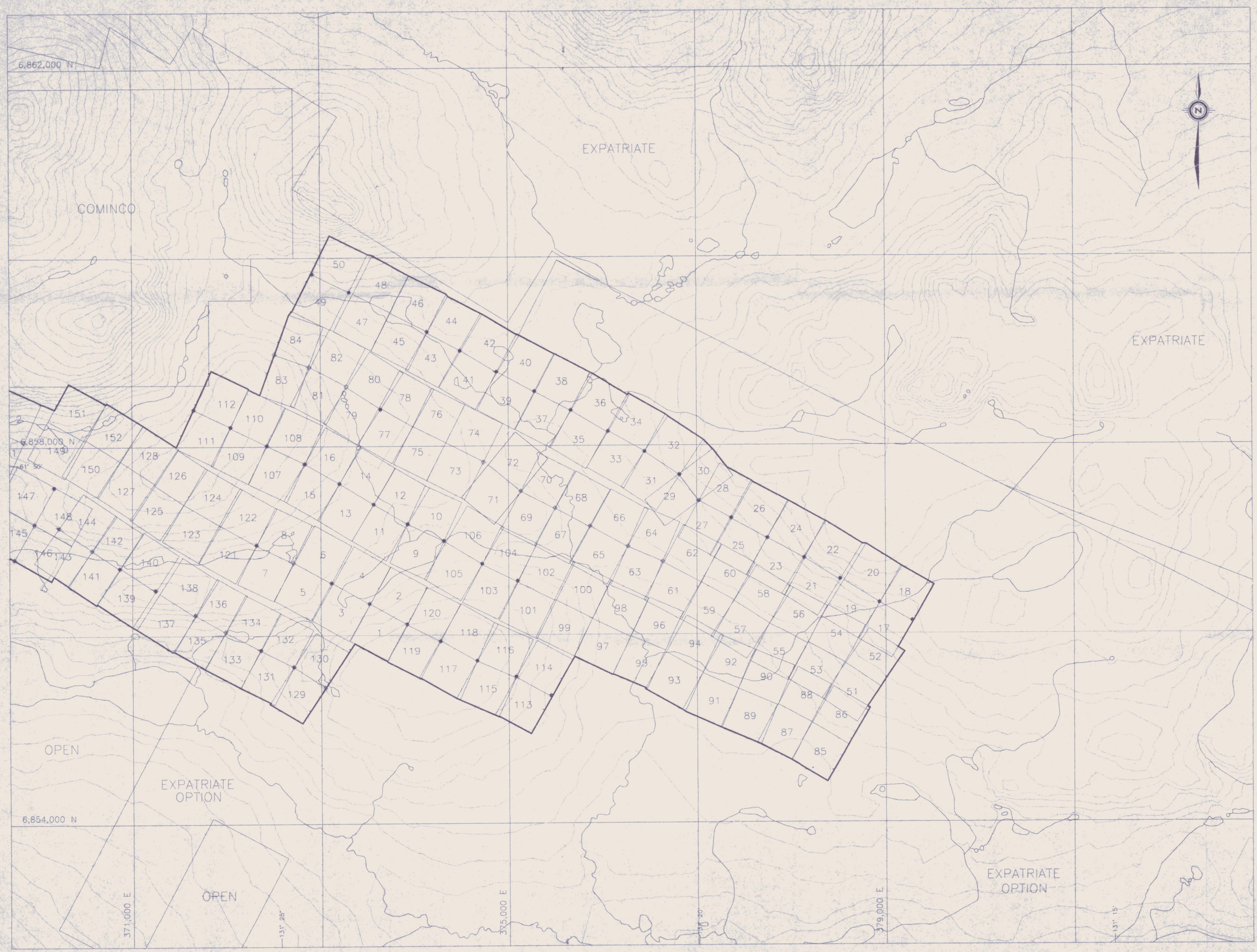
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- Post location with standard GPS fix
- ⊕ Post location with poor GPS fix
- ⊖ Post location with no GPS fix

FIGURE 2  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**CLAIM LOCATION  
 PLAY CLAIMS**  
 POWER PLAY PROPERTY  
 EXPATRIATE RESOURCES LTD.





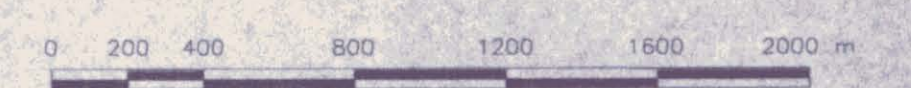
- ◆ Post location with standard GPS fix
- ⊕ Post location with poor GPS fix
- ⊖ Post location with no GPS fix

1093570

FIGURE 3  
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**CLAIM LOCATION  
REF CLAIMS**  
POWER PLAY PROPERTY  
EXPATRIATE RESOURCES LTD.

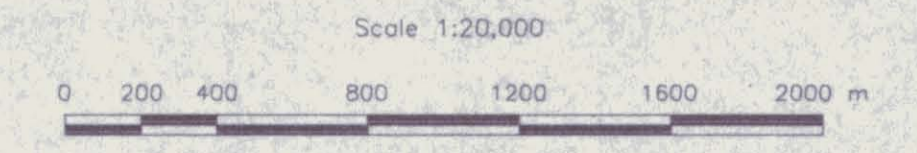
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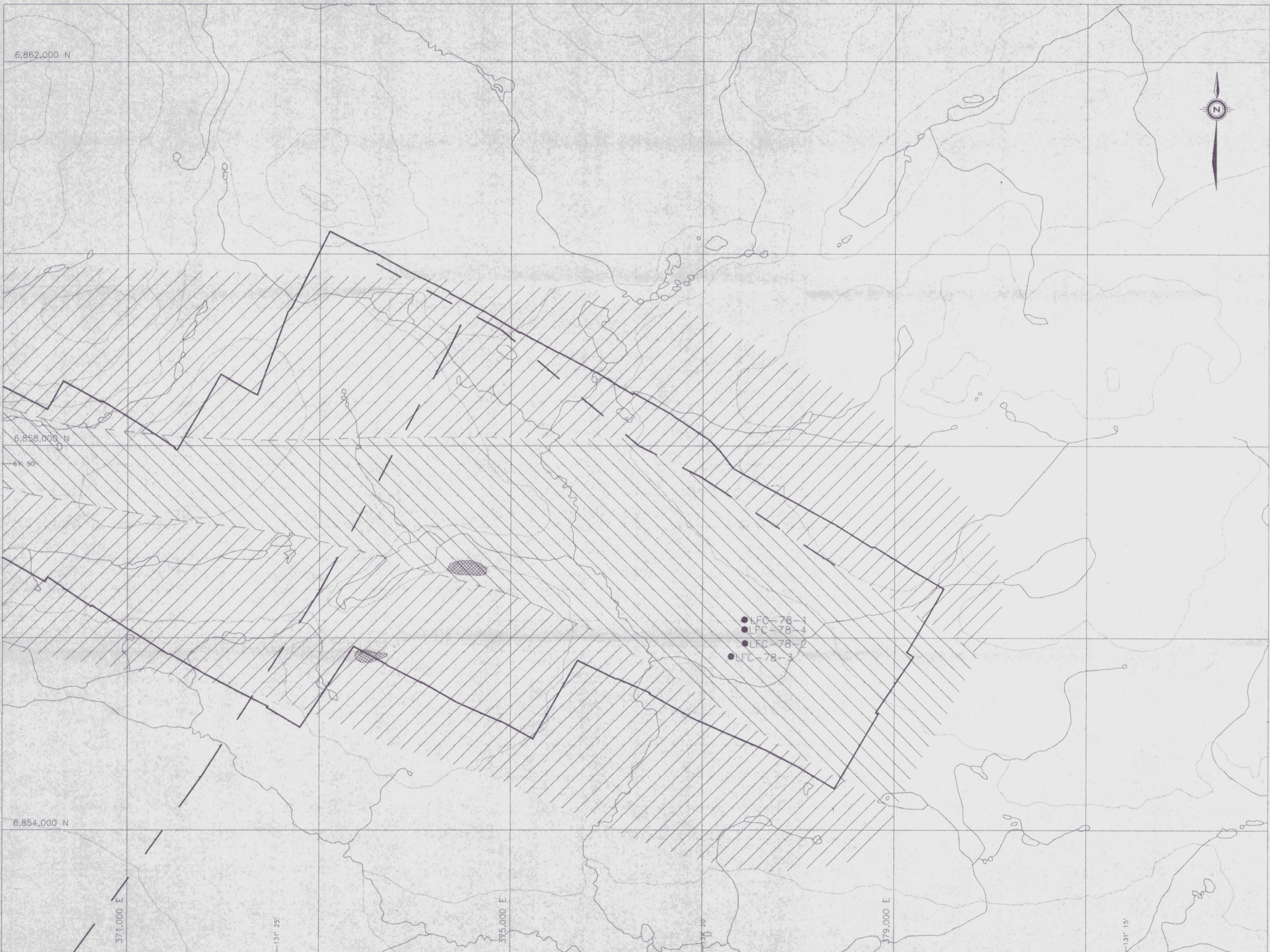




- Paleozoic Layered Metamorphic Sequence
- Felsic/intermediate metavolcanic
  - Quartz-sericite±chlorite schist
  - Chlorite-muscovite±quartz schist
  - Muscovite phyllite
  - Graphitic shale/phyllite
  - Tuffaceous rhyolite
- Paleozoic Metaplutonic Suite
- Diorite
- 1977 Drill hole location
  - Gossan
  - Yukon Revenue showing
  - Foliation with strike and dip
  - Thrust fault
  - Outcrop limit
  - Inferred geological contact
  - Claim boundary

FIGURE 7  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**PROPERTY GEOLOGY**  
**PLAY CLAIMS**  
 POWER PLAY PROPERTY  
 EXPATRIATE RESOURCES LTD.

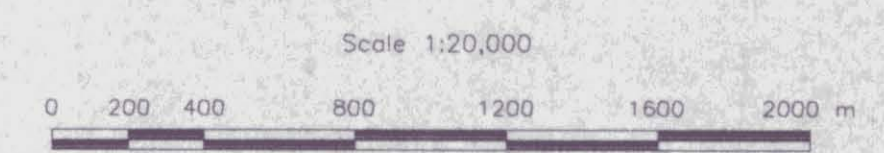


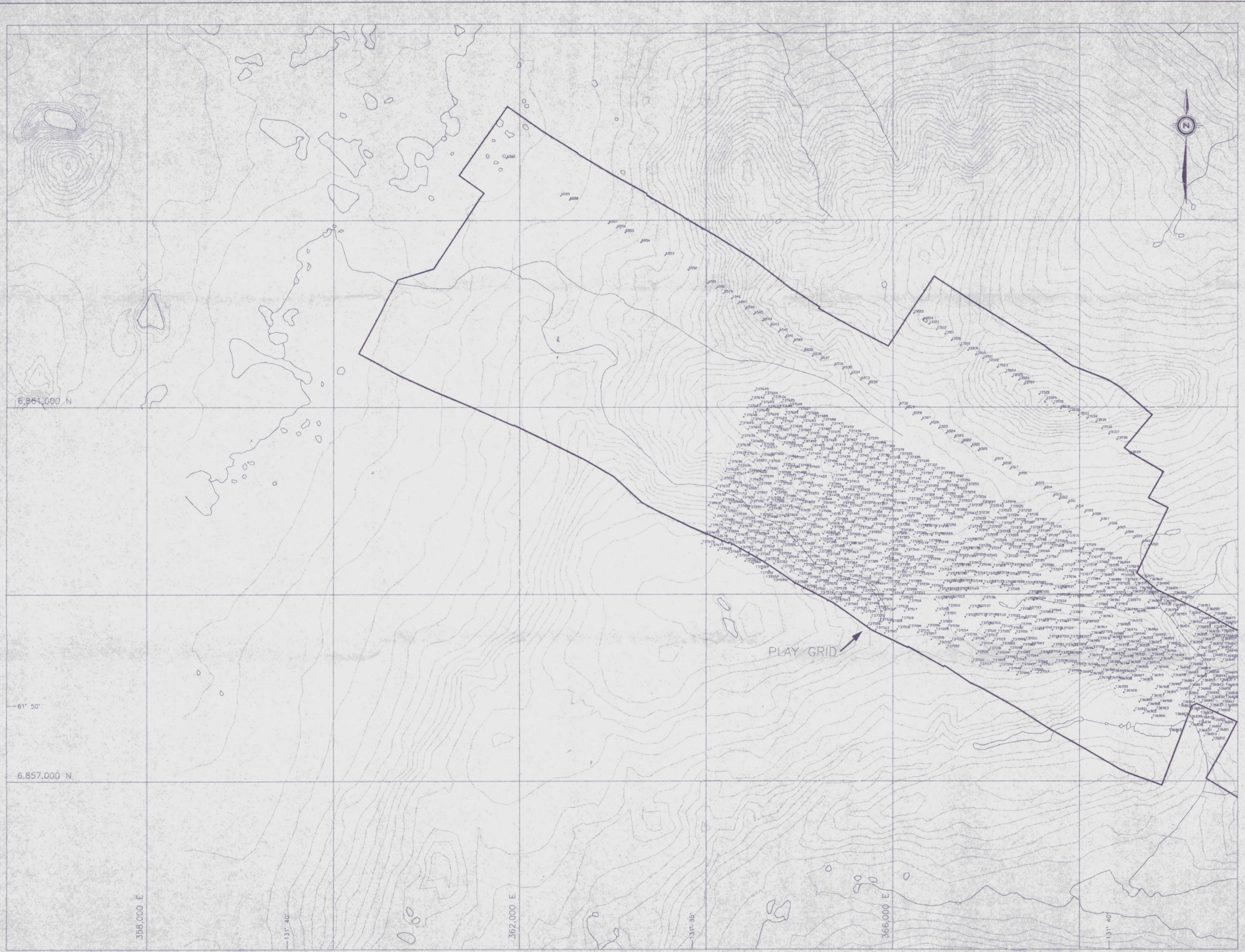


- Paleozoic Layered Metamorphic Sequence
- Felsic/intermediate metavolcanic
  - Quartz-sericite+chlorite schist
  - Chlorite-muscovite+quartz schist
  - Muscovite phyllite
  - Graphitic shale/phyllite
  - Tuffaceous rhyolite
- Paleozoic Metaplutonic Suite
- Diorite
- 1978 Drill hole location
  - Gossan
  - 45° Foliation with strike and dip
  - Fault
  - Outcrop limit
  - Inferred geological contact
  - Claim boundary

093570

FIGURE 8  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**PROPERTY GEOLOGY**  
**REF CLAIMS**  
 POWER PLAY PROPERTY  
 EXPATRIATE RESOURCES LTD.





6,861,000 N

61° 50'

6,857,000 N

358,000 E

131° 40'

362,000 E

131° 35'

366,000 E

131° 40'

PLAY GRID

- Claim boundary
- Sample location with number  
All sample numbers prefixed by BB unless otherwise noted

070830

FIGURE 9  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**SAMPLE LOCATION  
 PLAY CLAIMS**  
 POWER PLAY PROPERTY  
 EXPATRIATE RESOURCES LTD.

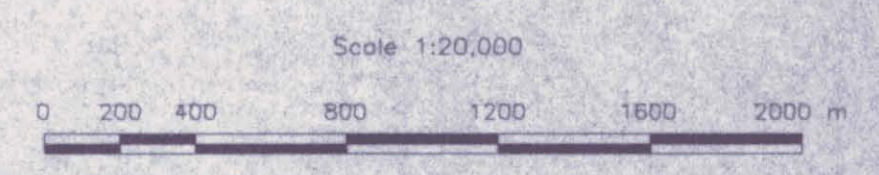
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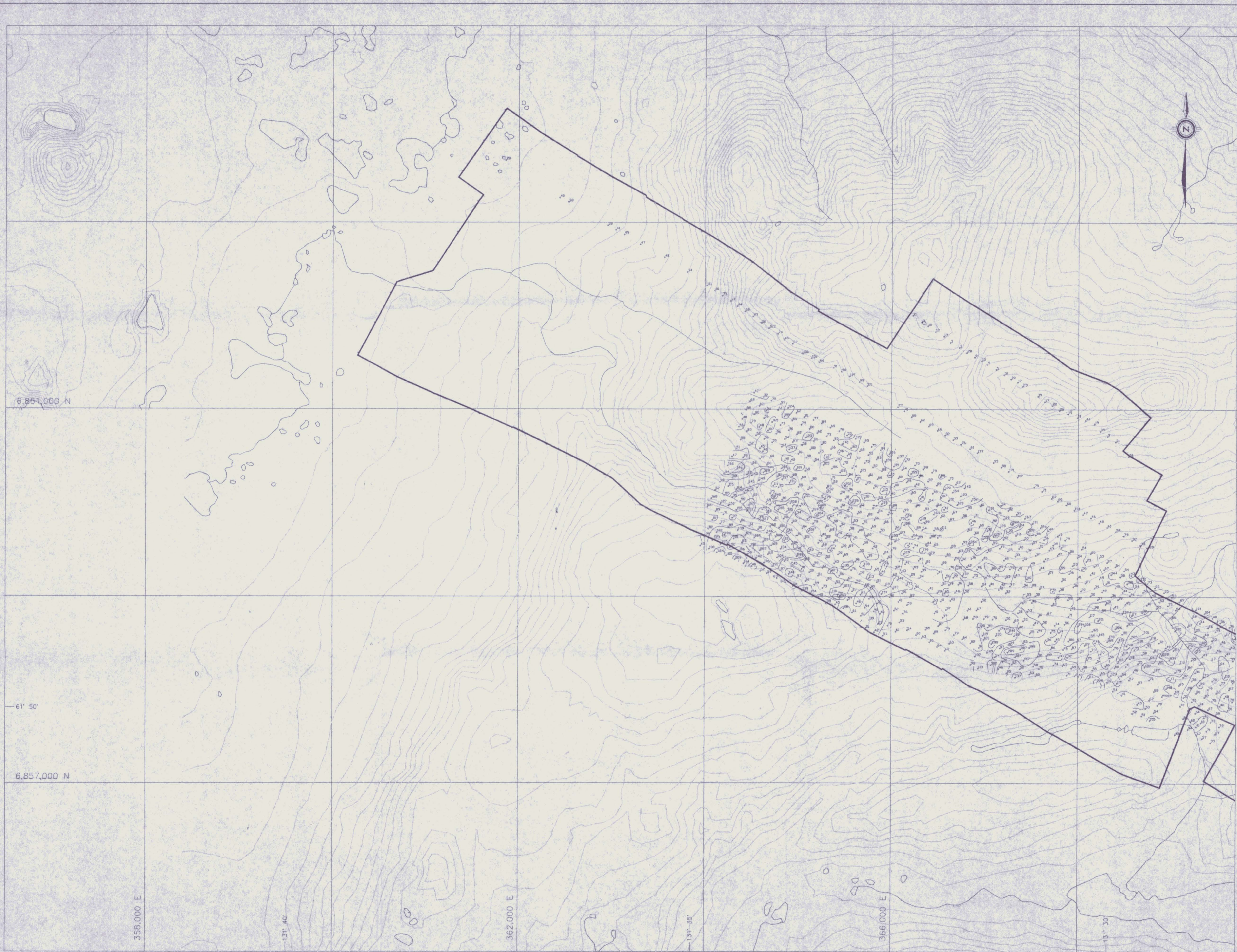


- Claim boundary
- Sample location with number  
All numbers prefixed with BB  
unless otherwise noted

FIGURE 10  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**SAMPLE LOCATION**  
**REF CLAIMS**  
 POWER PLAY PROPERTY  
 EXPATRIATE RESOURCES LTD.

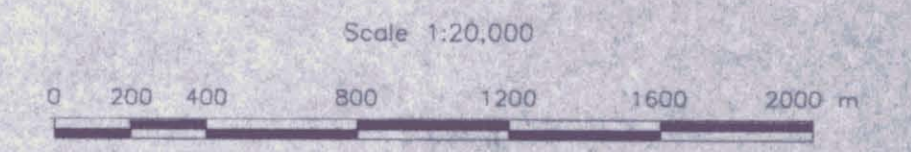


03570



- Claim boundary
- Sample location with copper value in ppm
- $\geq 200$  ppm Cu
- $\geq 100 < 200$  ppm Cu
- $\geq 50 < 100$  ppm Cu

FIGURE 11  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**COPPER GEOCHEMISTRY  
 PLAY CLAIMS**  
 POWER PLAY PROPERTY  
 EXPATRIATE RESOURCES LTD.

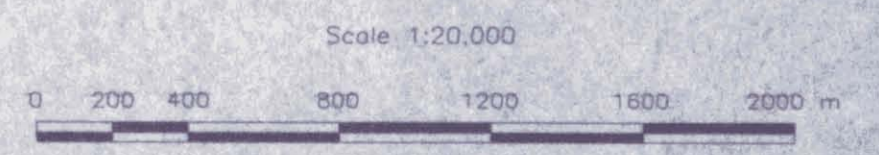


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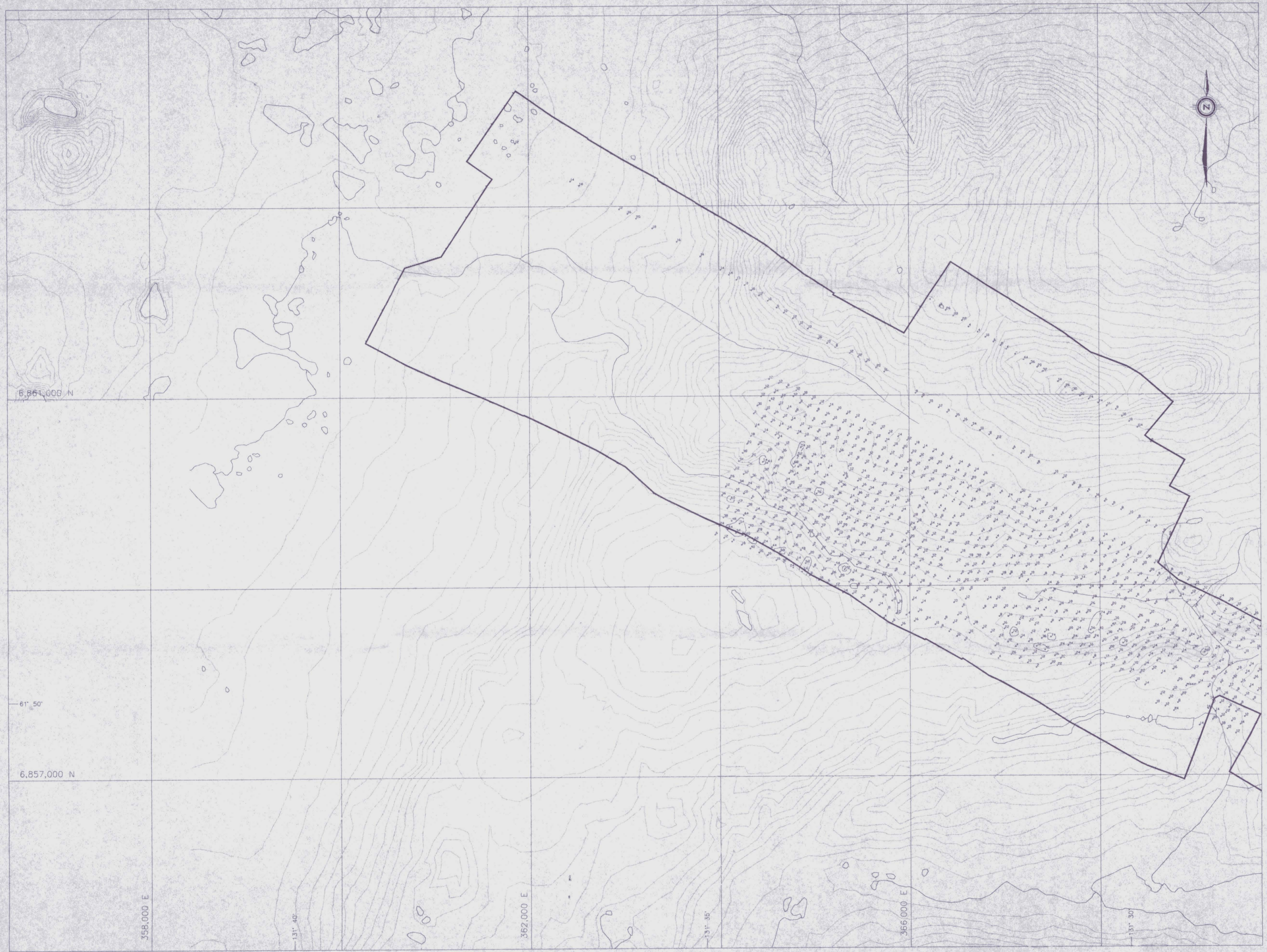


- Claim boundary
- Sample location with copper value in ppm
- ≥ 200 ppm Cu
- ≥ 100 < 200 ppm Cu
- ≥ 50 < 100 ppm Cu

FIGURE 12  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**COPPER GEOCHEMISTRY  
 REF CLAIMS**  
 POWER PLAY PROPERTY  
 EXPATRIATE RESOURCES LTD.

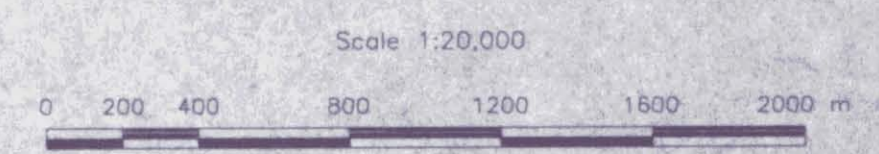


093570



- Claim boundary
- Sample location with lead value in ppm
- █ ≥ 200 ppm Pb
- █ ≥ 100 < 200 ppm Pb
- █ ≥ 50 < 100 ppm Pb

FIGURE 13  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**LEAD GEOCHEMISTRY**  
**PLAY CLAIMS**  
 POWER PLAY PROPERTY  
 EXPATRIATE RESOURCES LTD.



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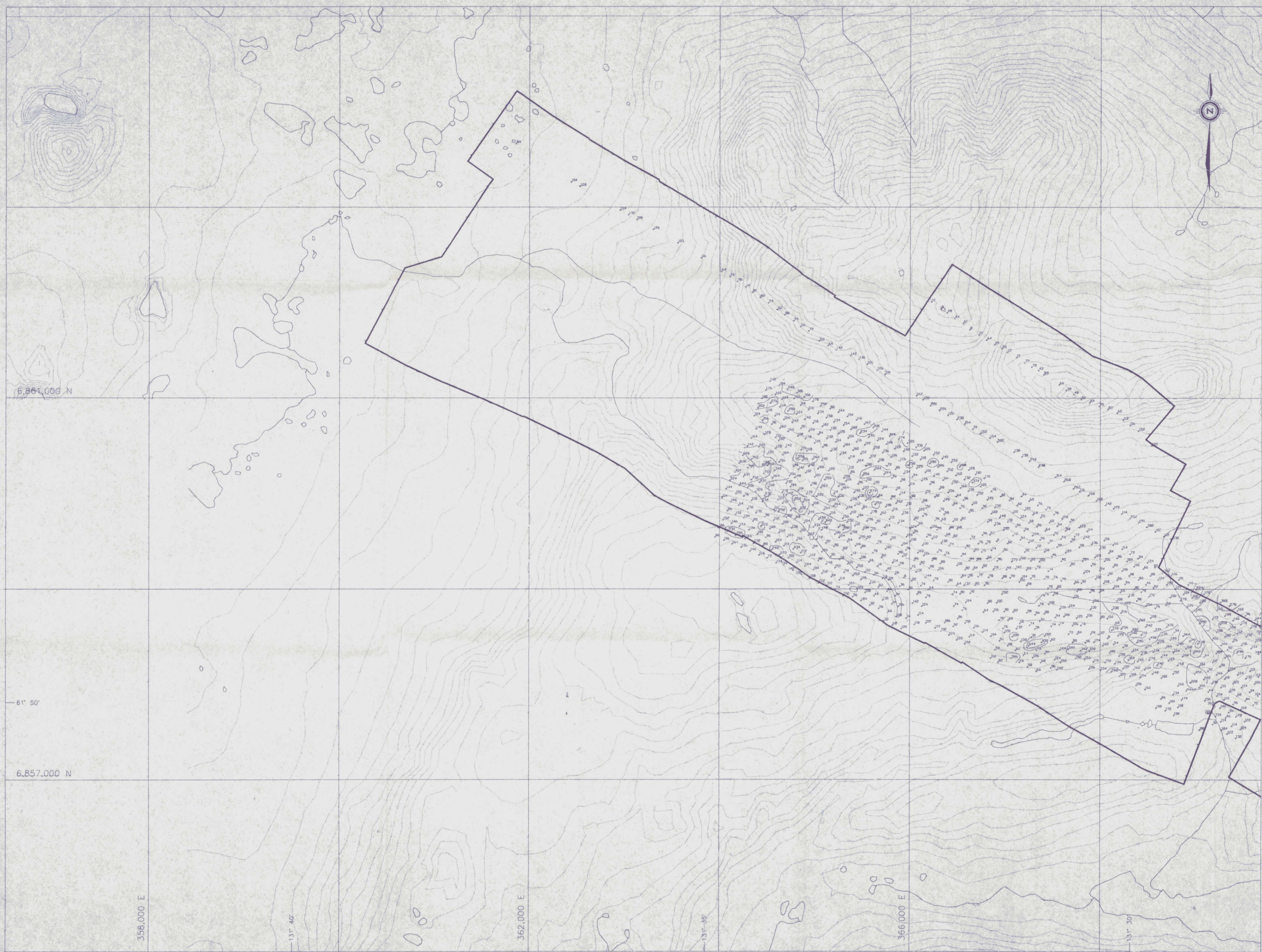


- Claim boundary
- Sample location with lead value in ppm
- ≥ 200 ppm Pb
- ≥ 100 < 200 ppm Pb
- ≥ 50 < 100 ppm Pb

FIGURE 14  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**LEAD GEOCHEMISTRY**  
**REF CLAIMS**  
 POWER PLAY PROPERTY  
 EXPATRIATE RESOURCES LTD.



093570



- Claim boundary
- Sample location with zinc value in ppm
- ≥ 1000 ppm Zn
- ≥ 500 < 1000 ppm Zn
- ≥ 200 < 500 ppm Zn

FIGURE 15  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**ZINC GEOCHEMISTRY  
 PLAY CLAIMS**  
 POWER PLAY PROPERTY  
 EXPATRIATE RESOURCES LTD.



6,861,000 N

61° 50'

6,857,000 N

358,000 E

131° 40'

362,000 E

131° 35'

366,000 E

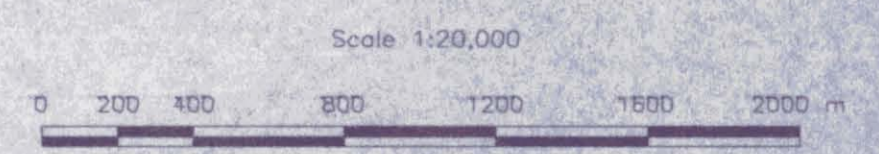
131° 30'

093570



- Claim boundary
- Sample location with zinc value in ppm
- $\geq 1000$  ppm Zn
- $\geq 500 < 1000$  ppm Zn
- $\geq 200 < 500$  ppm Zn

FIGURE 16  
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
**ZINC GEOCHEMISTRY**  
**REF CLAIMS**  
 POWER PLAY PROPERTY  
 EXPATRIATE RESOURCES LTD.



6,862,000 N

6,858,000 N

61' 50"

6,854,000 N

371,000 E

131' 25"

375,000 E

131' 20"

379,000 E

131' 15"

093570

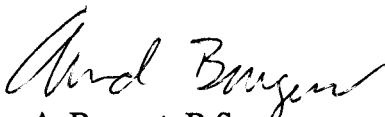
**APPENDIX I**

**AUTHOR'S STATEMENT OF QUALIFICATIONS**

## STATEMENT OF QUALIFICATIONS

I, Arnd Burgert, geologist, with business address 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 the field work 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.

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## 1.0 INTRODUCTION

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

The geophysical surveys were performed on the following properties:

<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

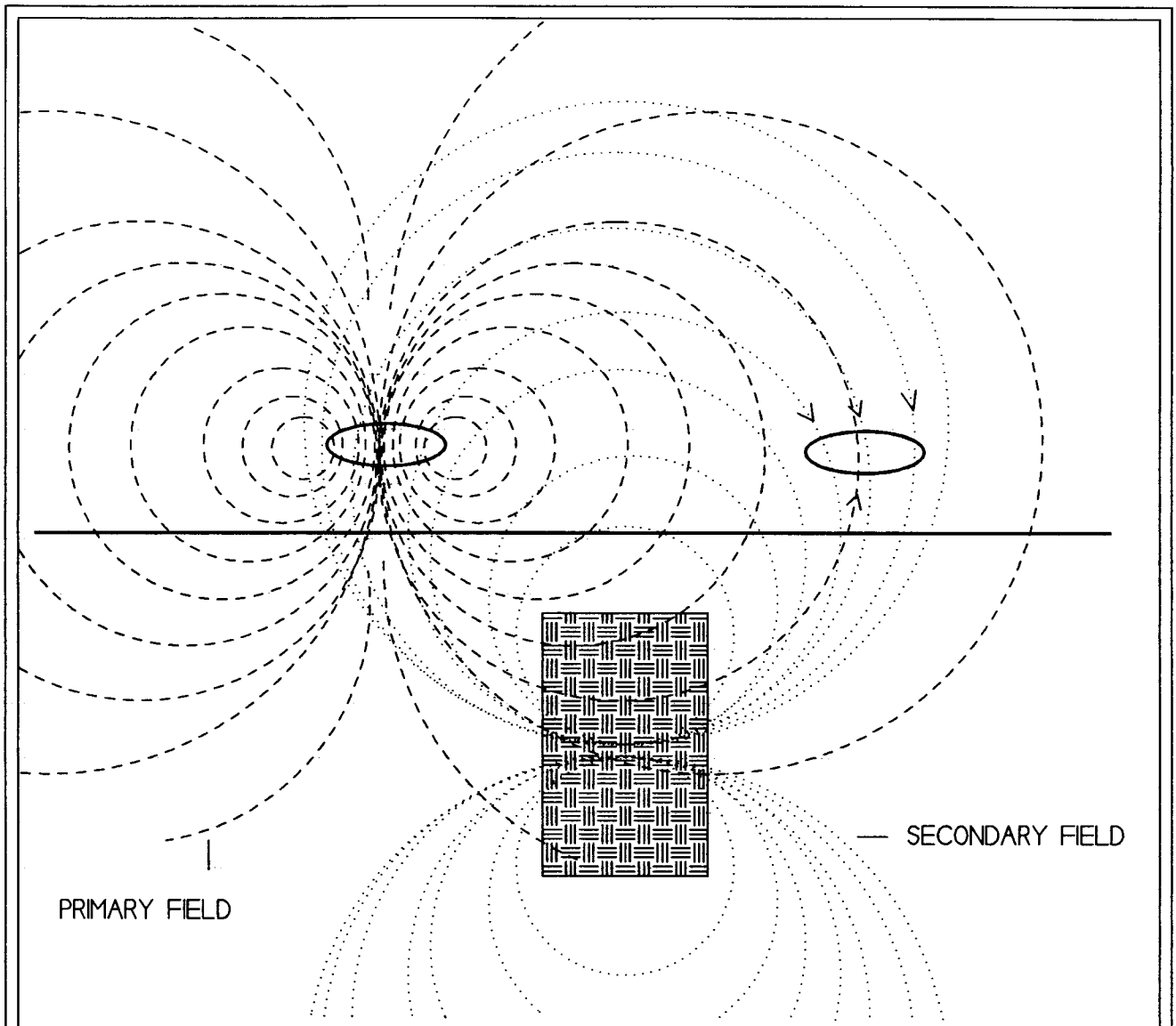
of the HLEM method and describes the interpretation algorithms used in this survey program.

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.

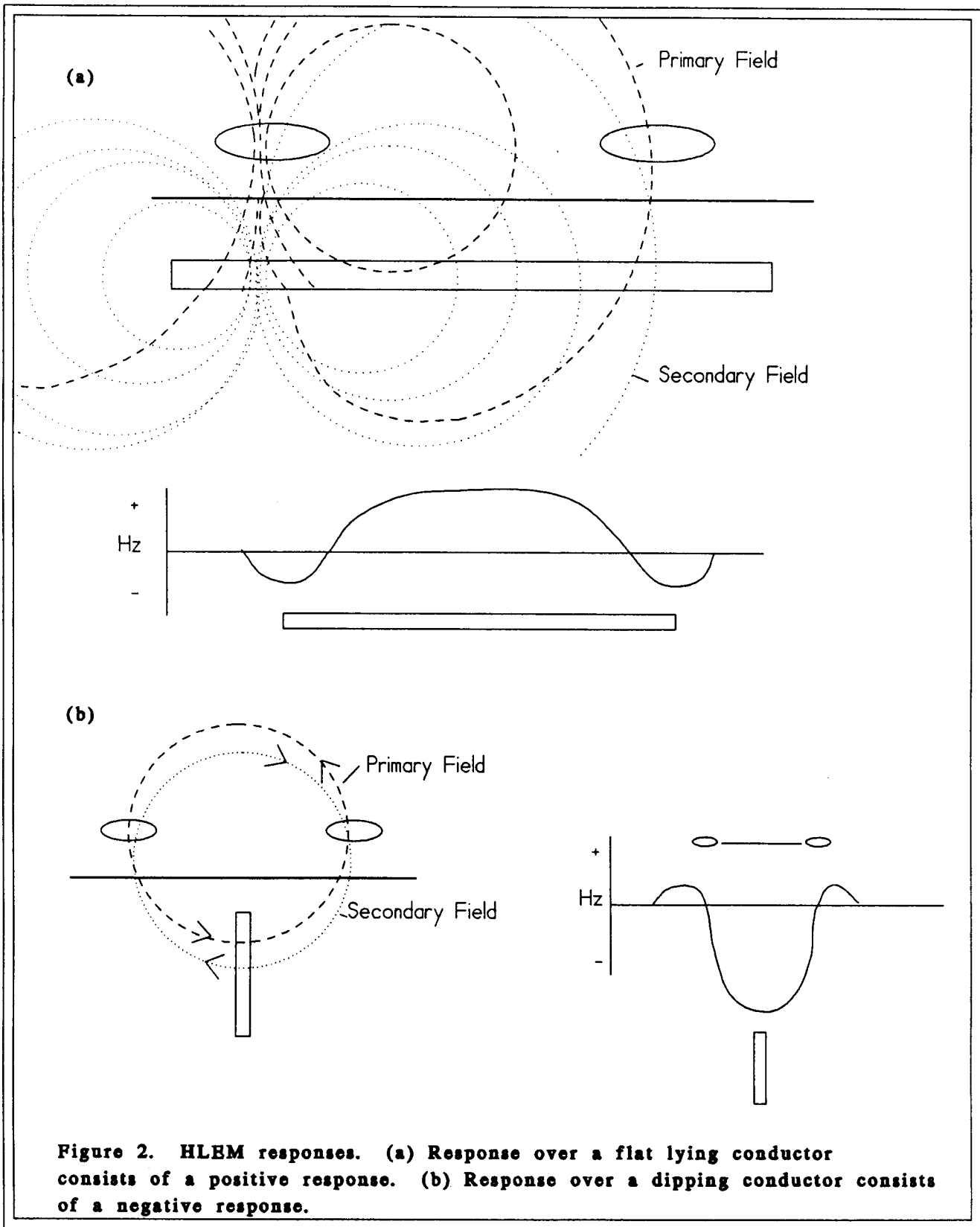
The Slingram method (normally referred to as HLEM) requires that a sample of the transmitted signal be sent along a wire to the receiver where it is used to synchronize the phase of the receiver with the transmitter. This permits the receiver to remove the effect of the transmitter signal (primary field)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



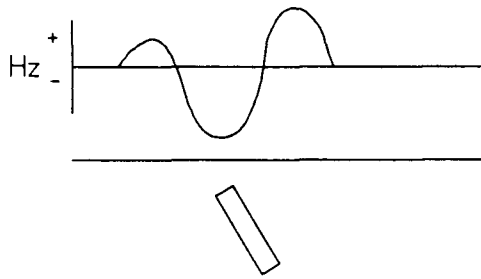
**Figure 2. HLEM responses. (a) Response over a flat lying conductor consists of a positive response. (b) Response over a dipping conductor consists of a negative response.**

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.

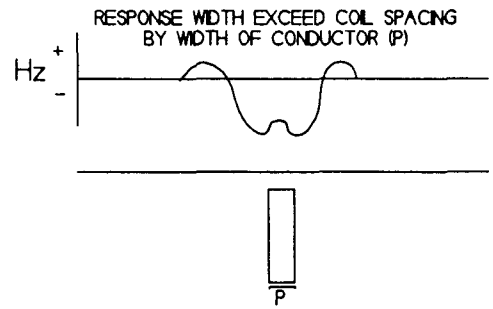
A dipping tabular conductor can be specified by the dip and dip direction, depth to top, target width and electrical conductance (conductivity thickness product or  $\sigma t$ ). The effect of varying these parameters is shown in Figure 3 for the case of a response from a single isolated HLEM conductor. 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

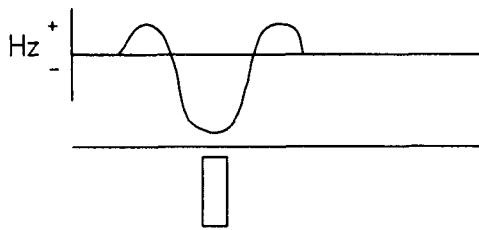
(a)



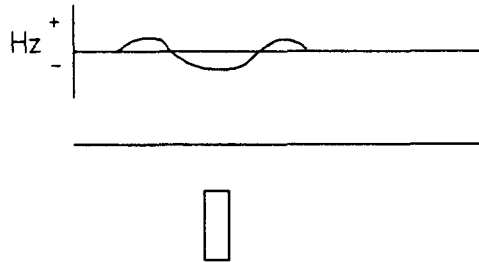
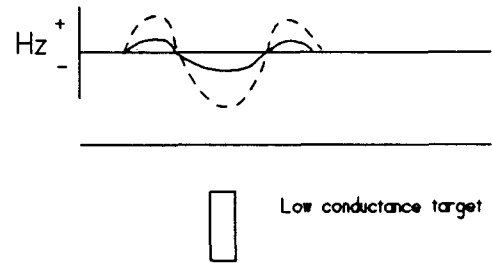
(b)



(c)



(d)



**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**

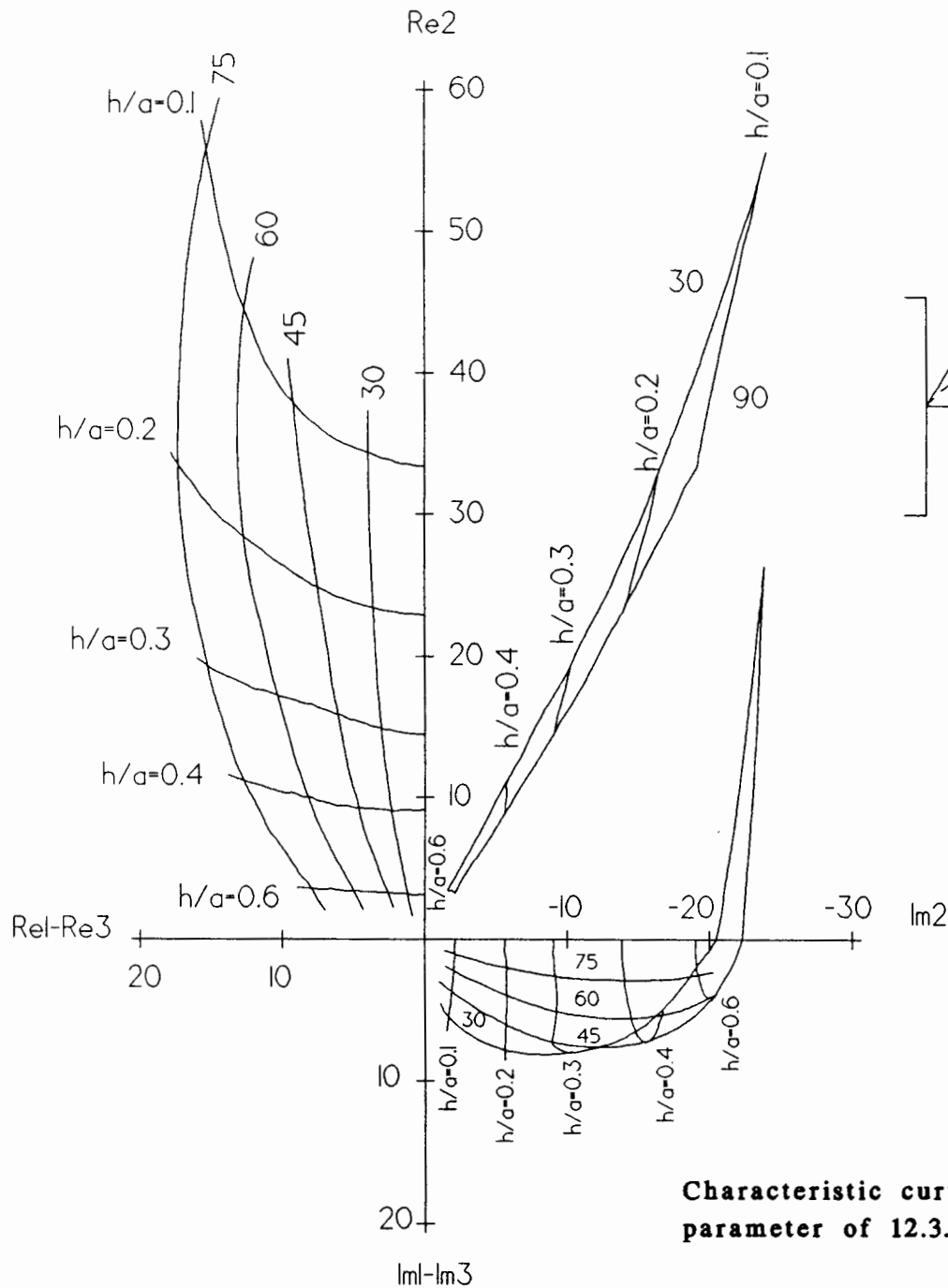
The geophysical surveys were performed with the following instruments:

##### **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.



**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 All-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.

## 10.0 REF2 PROPERTY

Ground total magnetic field surveys and horizontal loop electromagnetic field surveys were conducted on the Ref 2 Property in June 1996. The surveys were conducted by C. Lee, B. Spaurel and D. Hall from June 8 to 13, 1996.

### 10.1 Survey specifications

A cut grid consisting of 18.4 line-km with a base line azimuth of 105° 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 and HLEM surveys covered 18.4 line-km of this grid. The surveys were conducted using the standard specifications described in section 5.0. One detail survey was conducted.

### 10.2 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 REF2 section. The following figures display the data collected on this property:

Figure	Location	Description
RF2-1	Pocket	Total magnetic field colour contour map.
RF2-2	Pocket	Maxmin I-9 / 220 Hz -100 m coils stacked profiles
RF2-3	Pocket	Maxmin I-9 / 880 Hz - 100 m coils stacked profiles
RF2-4	Pocket	Maxmin I-9 / 3520 Hz - 100 m coils stacked profiles
RF2-5	Report	Detailed Maxmin profiles - Line 9500E

### 10.3 Results and interpretation

Six conductors defined by similar line-to-line anomalous responses were detected by the HLEM survey. These are labelled **RF-1** to **RF-6** 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.

Anomaly **RF-1** extends from line 9900E to 10600E and strikes roughly NW. The responses along this conductor consist of negative quadrature and lesser amplitude in-phase responses, some of which are distorted by nearby conductor responses. Interpreted conductor parameters for those responses on **RF-1** which can be interpreted are summarized below:

Apex location	Depth to top (m)	Dip / dip direction	Excess width (m)	Conductance (S)
L10400E 9400N	15	not interpretable	4	14.4

Anomaly **RF-2** extends from line 9600E to 10100E, strikes NE and consists of negative in-phase and quadrature responses. The response on line 9800E is unusual in that the conductor location appears to shift to the south at high frequency (3520 Hz). No conductor parameters were extracted from this data set.

Conductor **RF-3** extends from line 9700E to line 10100E and consists of asymmetric negative in-phase and quadrature responses. The positive anomalies on the southern side of the conductor are larger than the corresponding anomalies on the north side of the conductor indicating a probable dip to the south or the presence of conductive rocks south of the conductor. Interpreted conductor parameters for those responses on **RF-3** which can be interpreted are summarized below:

Apex location	Depth to top (m)	Dip / dip direction	Excess width (m)	Conductance (S)
L9900E 9900N	15	60-75° grid S	4	23.0
L10000E 9875N	28	60° grid S	0	17.7

Conductor **RF-4** extends from line 9200E to 9500E and consists of negative in-phase responses with lesser following quadrature responses at 880 Hz. At 220 Hz, the conductor axis locations shift slightly to the north and the response asymmetry indicates a possible dip to the north. **RF-4** appears to be an extension of **RF-2** but the latter appears to dip to the south. No conductor parameters were extracted from the **RF-4** data set.

Conductor **RF-5** extends from line 9500E to 9700E, strikes E-W and may be an extension of **RF-1**. The responses consist of negative in-phase responses with lesser

or absent following quadrature responses at 880 Hz. At 220 Hz, the conductor axis locations shift slightly to the north. No conductor parameters were extracted for intersections along this anomaly.

Conductor **RF-6** extends from line 10500E to line 10800E and consists of asymmetric negative in-phase and quadrature responses. The positive anomalies on the southern side of the conductor are larger than the corresponding anomalies on the north side of the conductor indicating a probable dip to the south or the presence of conductive rocks south of the conductor. Interpreted conductor parameters for those responses on **RF-6** which can be interpreted are summarized below:

Apex location	Depth to top (m)	Dip / dip direction	Excess width (m)	Conductance (S)
L10500E 9600N	32	not interpretable	0	7.6
L10600E 9600N	42	not interpretable	4	23.0
L10700E 9600N	56	30-45° grid S	0	12.3

The conductor axes are plotted together with the magnetic field data in Figure RF2-1. The relief in the magnetic field is quite low, in the order of 50 nT. Conductors **RF-3** and **RF-4** generally follow magnetic field lows. The other conductors have no strong association with magnetic field highs or lows. An isolated 40 nT magnetic field high is associated with an intersection on **RF-3** at line 10000E 9875N.

No geological data was available to the authors at the time of writing.

#### 10.4 Conclusions

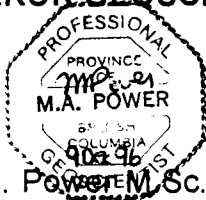
The intersection along **RF-3** at line 10000E 9875N has a conductance of 17 Siemens which is in the middle of the range of most massive sulphide deposits. Conductors along this trend have little excess width suggesting that they are not a significantly wide graphitic rock unit. Finally the positive magnetic anomaly at the above intersection is also a promising feature of this anomaly. If supporting geological or geochemical data exist, this anomaly should be investigated by trenching.

## 16.0 CONCLUSION


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

- a. Ground HLEM and total magnetic field surveys are particularly necessary to screen weak airborne EM anomalies for additional follow-up. The effective depth of investigation of an airborne system is putatively 75 m but this is only under the most ideal of circumstances (ie. flat country with extremely conductive targets in very resistive host bedrock). Conductances derived from weak airborne responses are subject to large errors. Resurveying with a ground HLEM system is the only way of definitively investigating these anomalies.
- b. If the ground program is based on helicopter-borne electromagnetic data and it can be demonstrated that the probable targets are not extremely conductive (ie.  $<40$  S), the Genie SE-88 system could be used in place of the Maxmin system. The Genie system does not require a reference cable and can be conducted on lines which are not cut. A major problem with the system is that it produces no response over extremely conductive targets (eg. pyrrhotite- or chalcopyrite-rich targets).

Respectfully submitted  
**AMEROK GEOSCIENCES LTD.**



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Geophysicist

  
C. C. Lee B.Sc.  
Geologist

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

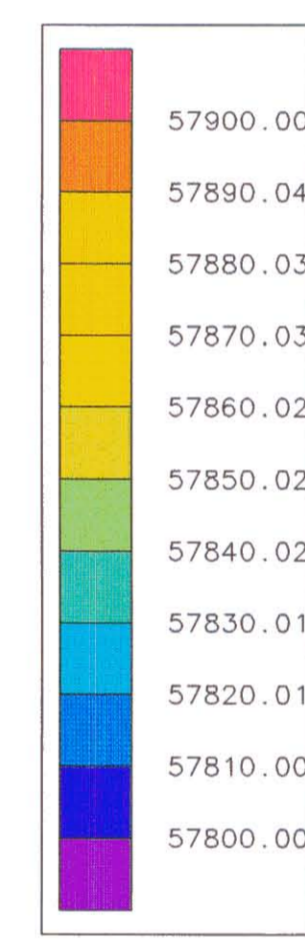
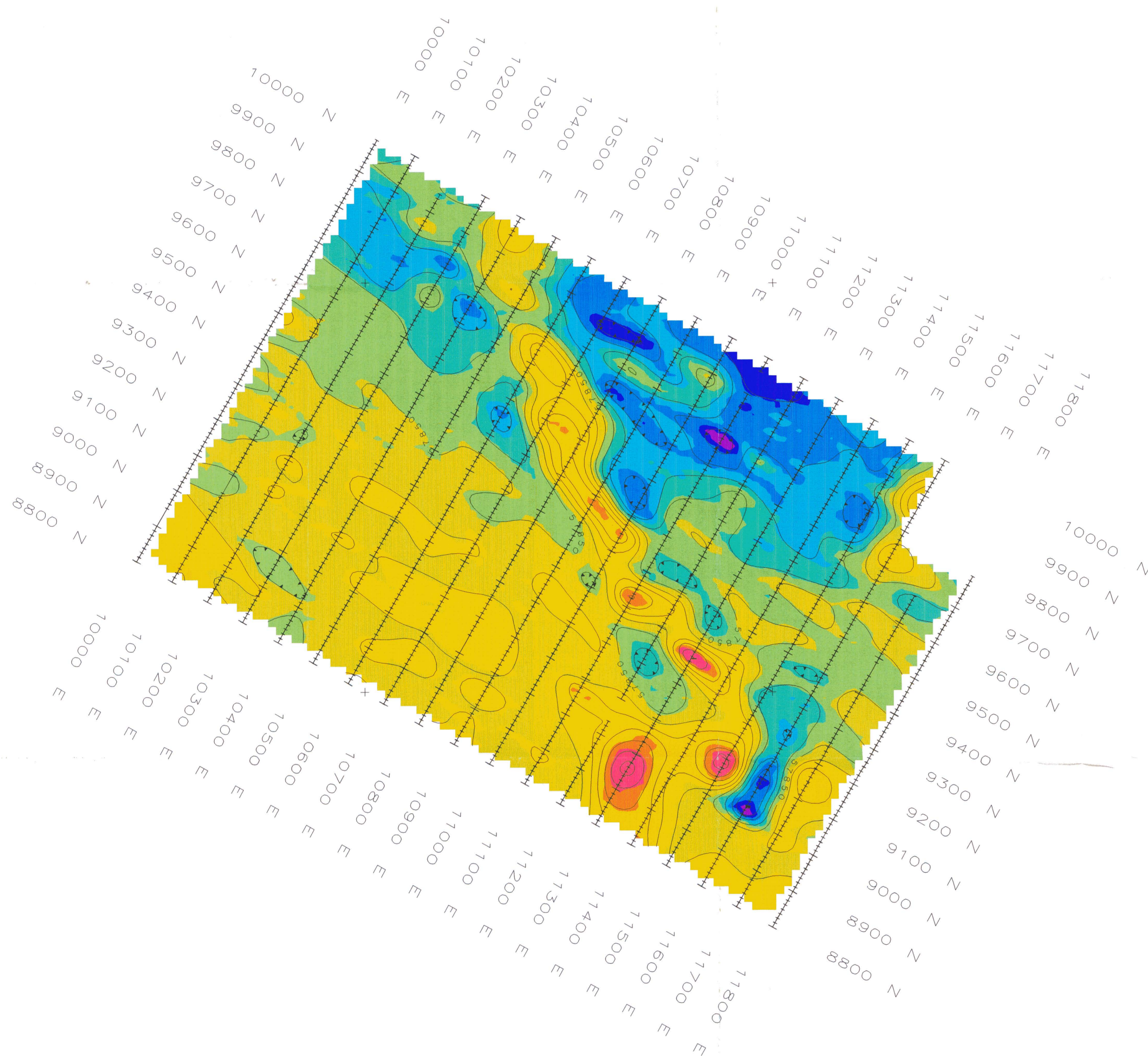
Ketola, M. and M. Puranen (1967) Type curves for the interpretation of Slingram  
(horizontal loop) anomalies over tabular bodies. Geological Survey of Finland  
Report of Investigations No. 1.

Varre, T. (1990) Apex Parametrics Maxmin I-9 manual. Uxbridge: Apex Parametrics.

+ 6858900N  
376100E



+ 6858900N  
376100E



CONTOUR INTERVAL: 10 mT  
0 metres 200

093570

SCALE: 1:5000

EXPATRIATE RESOURCES LTD.

REF 1 PROPERTY

NTS: 105 G/14  
(Data registered to 100 Data 001 01)

TOTAL MAGNETIC FIELD SURVEY  
CONTOUR MAP



FIG: RF1 - 1

AMEROK GEOSCIENCES LTD.

+ 6856900N  
373100E








+ 6856900N  
374100E

+

+ 6857200N  
678900E

+ 6857200N  
678900E

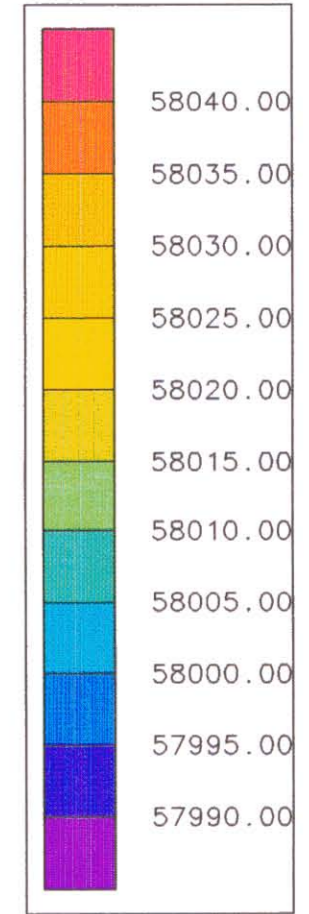
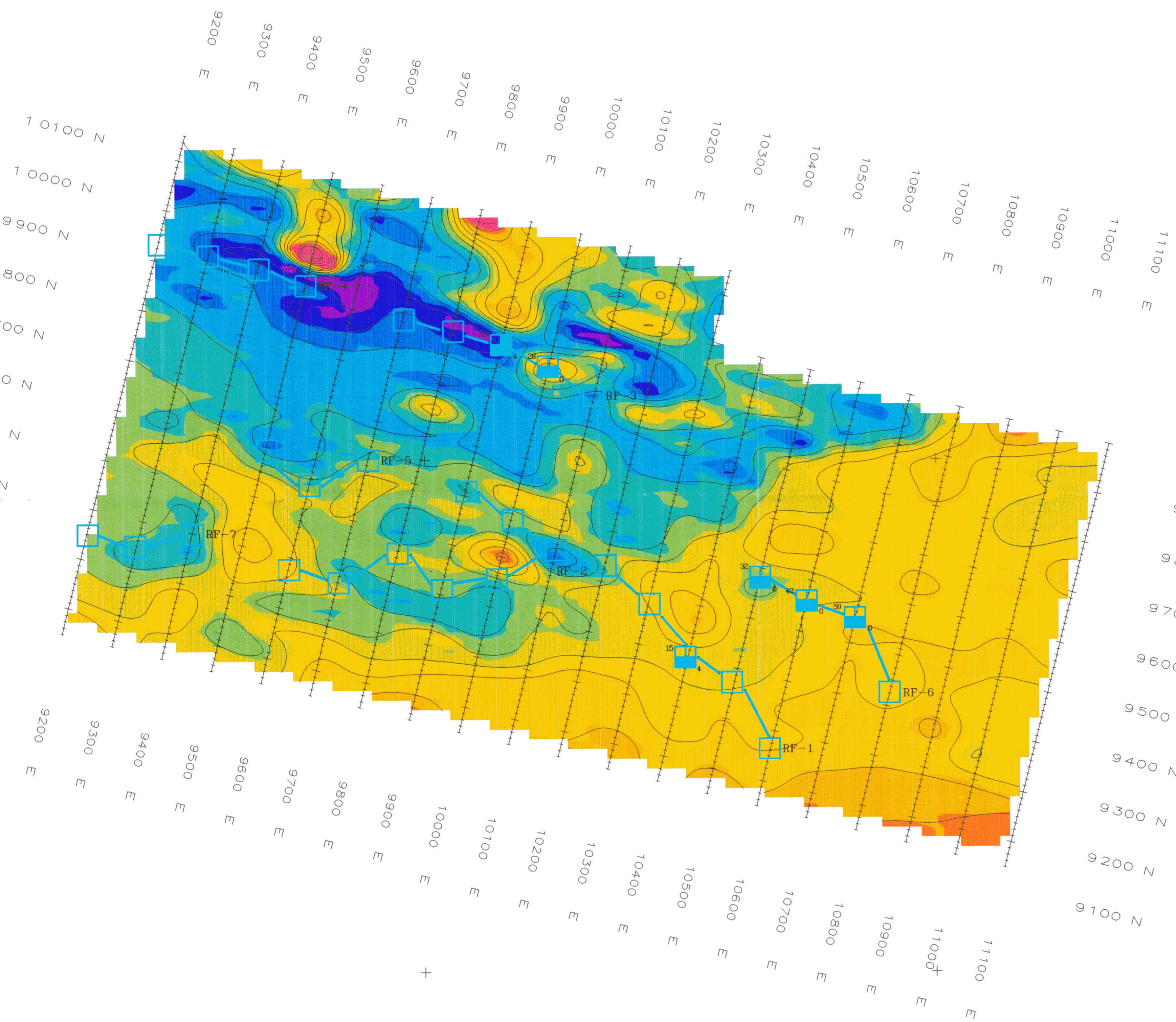
LEGEND  
Conductance (880 Hz)

-  > 50 S
-  20 - 50 S
-  5 - 20 S
-  1 - 5 S
-  < 1 S
-  CONDUCTANCE UNKNOWN
-  CONDUCTOR AXIS

Depth (m)  
15  
4  
Excess width (m)



6856200N +  
676900E



CONTOUR INTERVAL: 5 nT



SCALE: 1:5000

EXPATRIATE RESOURCES LTD.

REF 2 PROPERTY

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

TOTAL MAGNETIC FIELD SURVEY

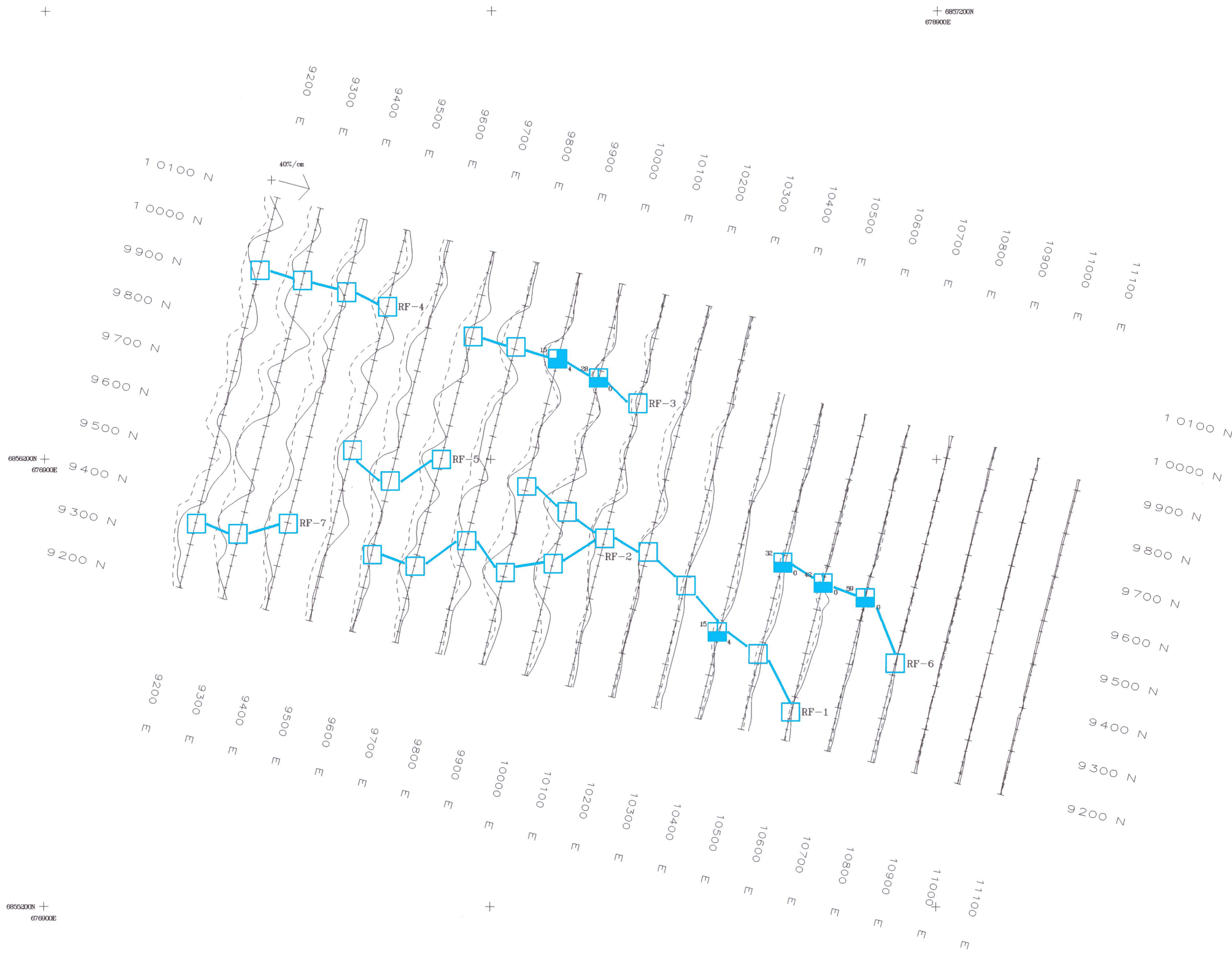
CONTOUR MAP

FIG. RF2 - 1



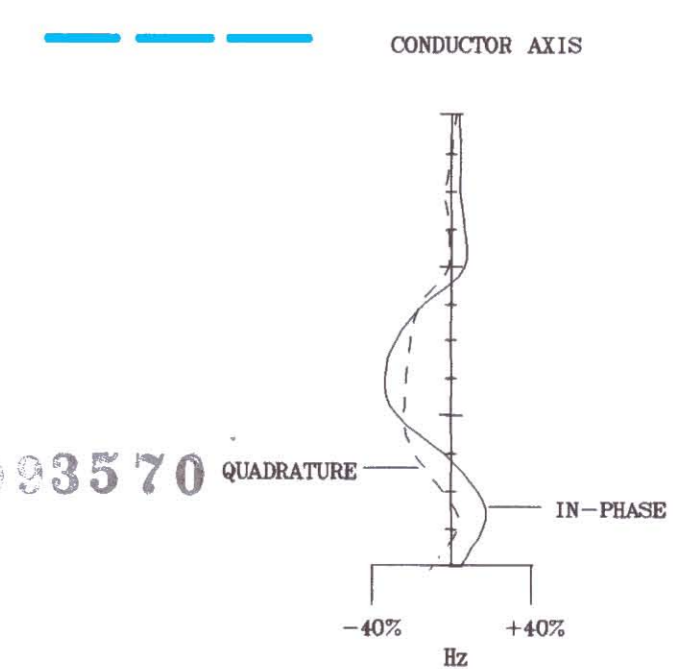
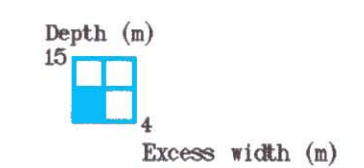
AMEROK GEOSCIENCES LTD.

6856200N +  
676900E



LEGEND  
Conductance (880 Hz)

- > 50 S
- 20 - 50 S
- 5 - 20 S
- 1 - 5 S
- < 1 S
- CONDUCTANCE UNKNOWN



SCALE: 1:5000

EXPATRIATE RESOURCES LTD.  
REF 2 PROPERTY  
NTS: 105 G/14  
(Grid registered to UTM Datum NAD 27)

MAXMIN I-9 SURVEY  
100 m COILS - 220 Hz

STACKED PROFILES

FIG. RF2 - 2

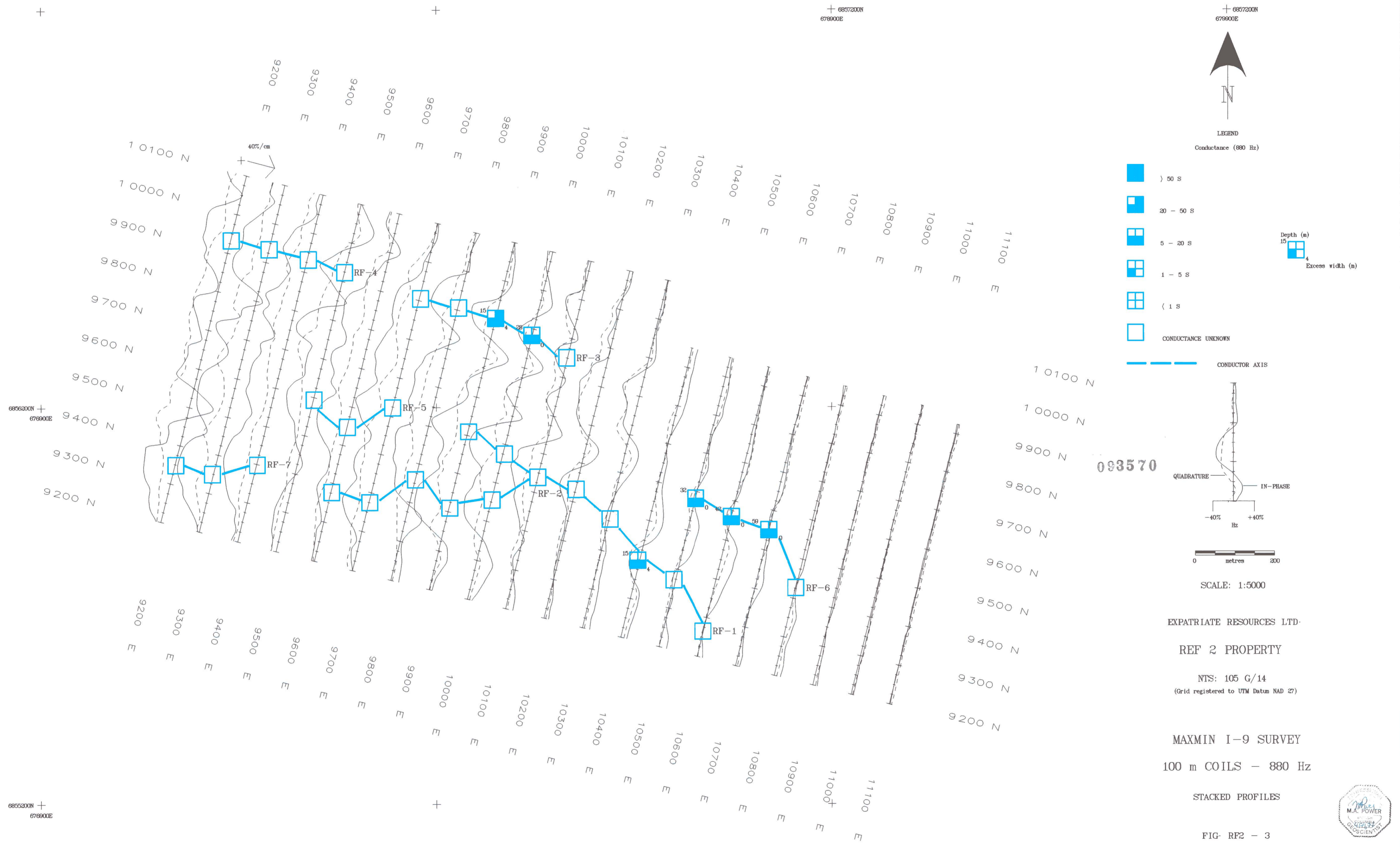
AMEROK GEOSCIENCES LTD.



6856200N +  
676800E

6857200N +  
676800E

6857200N +  
676800E



6857200N  
678900E

LEGEND

Conductance (880 Hz)

- > 50 S
- 20 - 50 S
- 5 - 20 S
- 1 - 5 S
- < 1 S
- CONDUCTANCE UNKNOWN

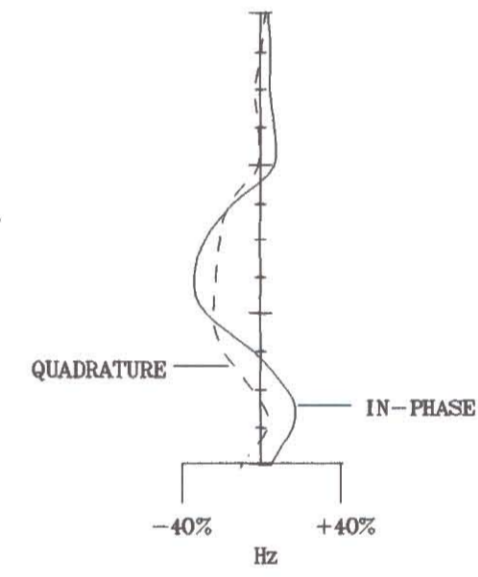
Depth (m)

15

4

Excess width (m)

CONDUCTOR AXIS



0 metres 200

SCALE: 1:5000

EXPATRIATE RESOURCES LTD.

REF 2 PROPERTY

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

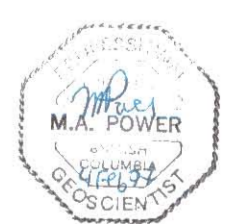
MAXMIN I-9 SURVEY

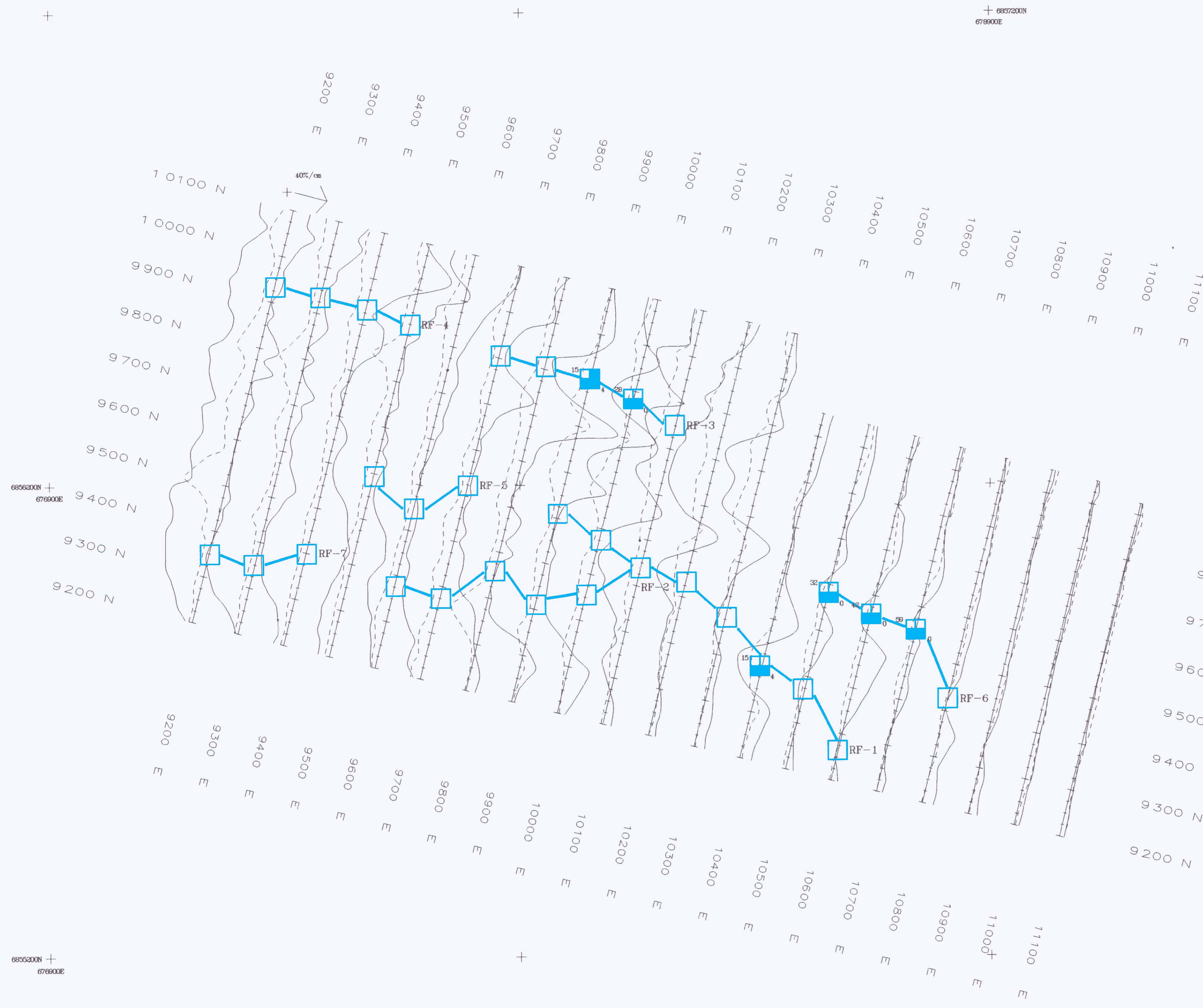
100 m COILS - 880 Hz

STACKED PROFILES

FIG: RF2 - 3

AMEROK GEOSCIENCES LTD.





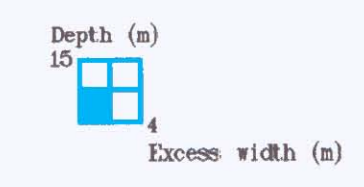
6857200N  
678900E

6857200N  
678900E

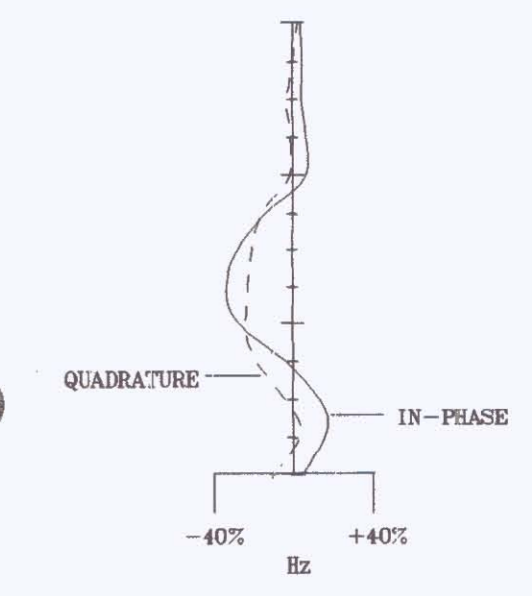


LEGEND  
Conductance (880 Hz)

- > 50 S
- 20 - 50 S
- 5 - 20 S
- 1 - 5 S
- < 1 S
- CONDUCTANCE UNKNOWN



CONDUCTOR AXIS



093570



SCALE: 1:5000

EXPATRIATE RESOURCES LTD.

REF 2 PROPERTY

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



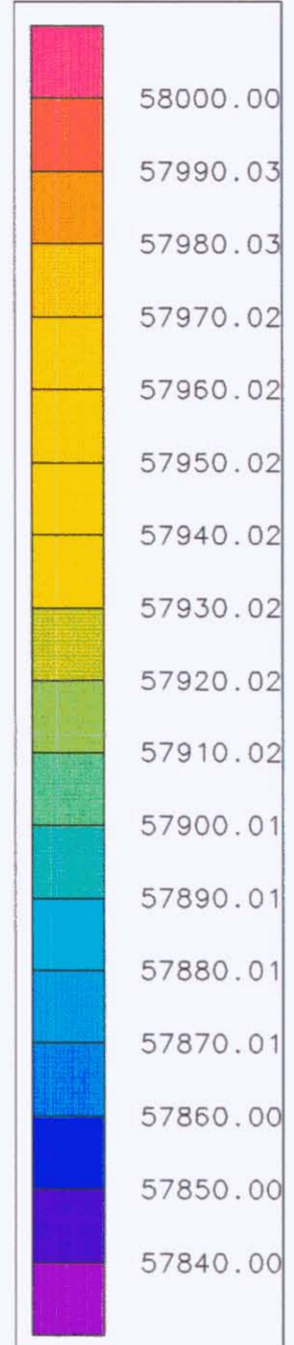
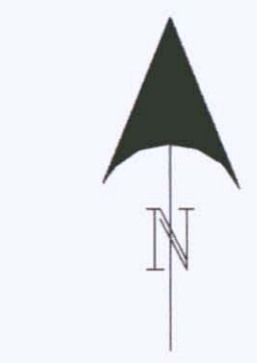
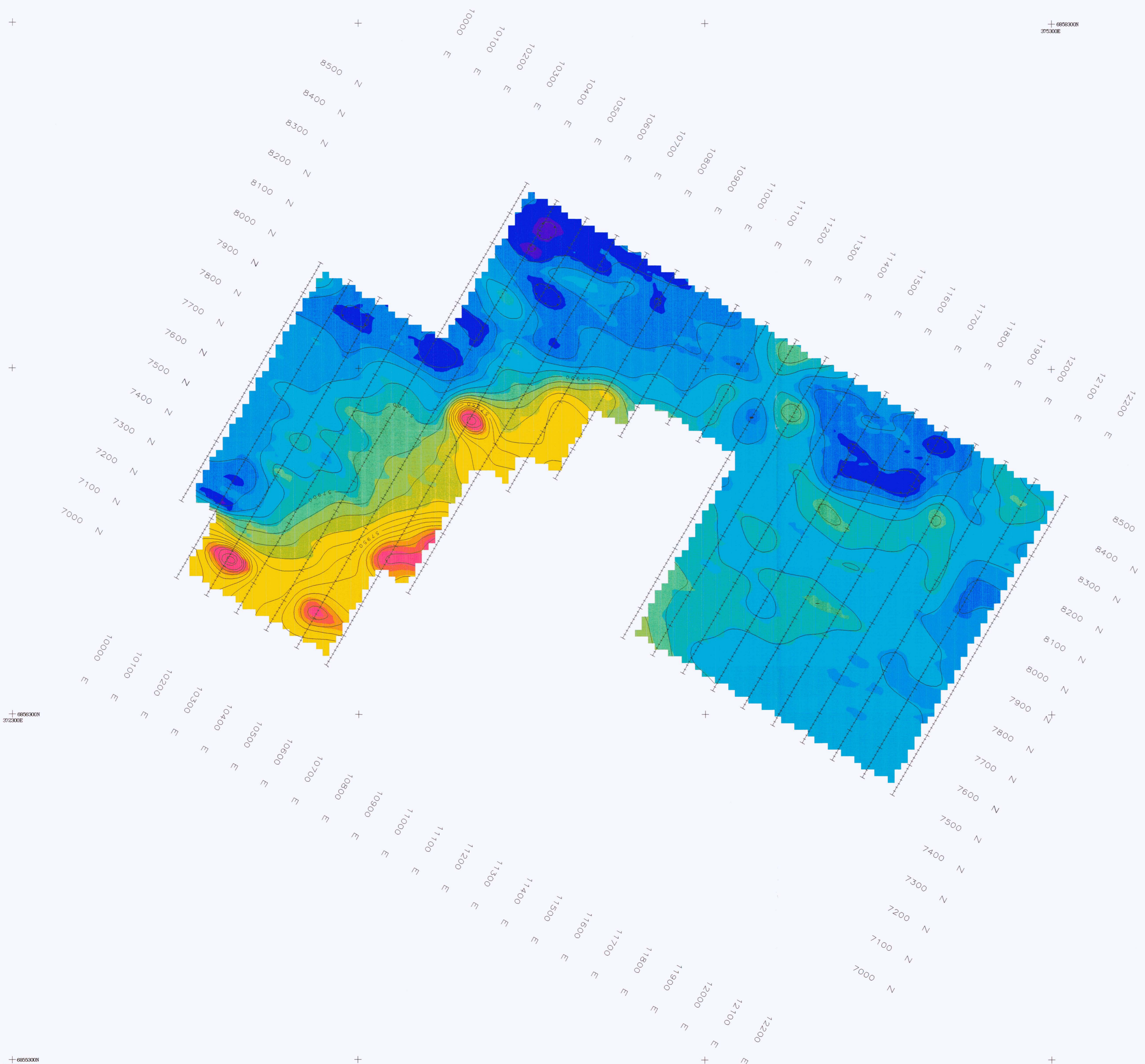
MAXMIN 1-9 SURVEY  
100 m COILS - 3520 Hz

STACKED PROFILES

FIG. RF2 - 4

AMEROK GEOSCIENCES LTD.

6855200N +  
676900E



CONTOUR INTERVAL: 10 nT



SCALE: 1:5000

EXPATRIATE RESOURCES LTD.

REF 3 PROPERTY

NTS: 105 G/14

(Grid registered to UTM Datum NAD 27)

093570

TOTAL MAGNETIC FIELD SURVEY

CONTOUR MAP

FIG. RF3 - 1



AMEROK GEOSCIENCES LTD.

**APPENDIX III**

**GPS DATA**

**Power Play 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. Grid Station Points**

Grid Coordinates		UTM Coordinates		Data Quality	Base Station	Date
Northing	Easting	Northing	Easting			
9150	9200	6855922	377089	Standard	WL	03-Jun-96
9150	10000	6855675	377858	Standard	WL	27-May-96
10000	9200	6856733	377347	Standard	WL	03-Jun-96
10000	10200	6856433	378305	Standard	WL	27-May-96
10000	10900	6856229	378971	Standard	WL	27-May-96

**B. Expatriate Resources Ltd. Claim Posts**

Claim	Posts 1	Posts 2	UTM Coordinates		Data Quality	Base Station	Date
			Northing	Easting			
Ref	1, 2	-	6856116	373919	Standard	RR	16-Oct-96
	3, 4	1, 2	6856335	373516	Standard	RR	16-Oct-96
	5, 6	3, 4	6856555	373112	Standard	RR	16-Oct-96
	7, 8	5, 6	6856768	372708	Poor	RR	16-Oct-96
	-	7, 8	6856957	372315	Standard	RR	16-Oct-96
Ref	9, 10	-	6856955	374311	Standard	RR	16-Oct-96
	11, 12	9, 10	6857175	373925	Standard	RR	16-Oct-96
	13, 14	11, 12	6857384	373561	Standard	RR	16-Oct-96
	15, 16	13, 14	6857605	373199	Standard	RR	16-Oct-96
	-	15, 16	6857816	372832	Standard	RR	16-Oct-96
Ref	17, 18	-	6856136	379284	Standard	RR	14-Oct-96
	19, 20	17, 18	6856328	378934	Standard	RR	14-Oct-96
	21, 22	19, 20	6856579	378516	Standard	RR	14-Oct-96
	23, 24	21, 22	6856800	378137	Standard	RR	14-Oct-96
	25, 26	23, 24	6857013	377748	Standard	RR	14-Oct-96
	27, 28	25, 26	6857225	377363	Standard	RR	14-Oct-96
	29, 30	27, 28	6857410	377023	Standard	RR	14-Oct-96
	31, 32	29, 30	6857688	376816	Standard	RR	14-Oct-96
	33, 34	31, 32	6857934	376445	Standard	RR	14-Oct-96
	35, 36	33, 34	6858152	376058	Standard	RR	14-Oct-96
	37, 38	35, 36	6858376	375664	Standard	RR	14-Oct-96
	39, 40	37, 38	6858575	375279	Standard	RR	14-Oct-96
	41, 42	39, 40	6858781	374876	Standard	RR	14-Oct-96
	43, 44	41, 42	6859004	374487	Standard	RR	14-Oct-96
	45, 46	43, 44	6859205	374138	Standard	RR	14-Oct-96
	47, 48	45, 46	-	-	-	N/S	-
	49, 50	47, 48	6859632	373305	Standard	RR	14-Oct-96
-	49, 50	6859829	372911	Standard	RR	14-Oct-96	
Ref	51, 52	-	-	-	N/S	-	

Claim	Posts 1	Posts 2	UTM Coordinates		Data Quality	Base Station	Date
			Northing	Easting			
	53, 54	51, 52	-	-	-	N/S	-
	55, 56	53, 54	-	-	-	N/S	-
	57, 58	55, 56	-	-	-	N/S	-
	59, 60	57, 58	-	-	-	N/S	-
	61, 62	59, 60	-	-	-	N/S	-
	63, 64	61, 62	6856769	376637	Poor	WL	30-May-96
	65, 66	63, 64	6856930	376266	Poor	WL	30-May-96
	67, 68	65, 66	6857145	375865	Poor	WL	30-May-96
	69, 70	67, 68	6857337	375495	Poor	WL	30-May-96
	71, 72	69, 70	6857519	375130	Poor	WL	30-May-96
	73, 74	71, 72	6857829	374734	Uncorrected	-	27-May-96
	75, 76	73, 74	-	-	-	N/S	-
	77, 78	75, 76	-	-	-	N/S	-
	79, 80	77, 78	6858392	373638	Standard	W	20-Jun-96
	81, 82	79, 80	6858633	373274	Uncorrected	-	26-May-96
	83, 84	81, 82	6858837	372876	Poor	W	26-May-96
	-	83, 84	6858973	372511	Uncorrected	-	26-May-96
Ref	85, 86	-	-	-	-	N/S	-
	87, 88	85, 86	-	-	-	N/S	-
	89, 90	87, 88	-	-	-	N/S	-
	91, 92	89, 90	-	-	-	N/S	-
	93, 94	91, 92	-	-	-	N/S	-
	95, 96	93, 94	-	-	-	N/S	-
	97, 98	95, 96	-	-	-	N/S	-
	99, 100	97, 98	-	-	-	N/S	-
	101, 102	99, 100	-	-	-	N/S	-
	103, 104	101, 102	6856572	375094	Standard	WL	01-Jun-96
	105, 106	103, 104	6856758	374718	Standard	RR	16-Oct-96
	-	105, 106	6856955	374311	Standard	RR	16-Oct-96
Ref	107, 108	-	6857816	372832	Standard	RR	16-Oct-96
	109, 110	107, 108	6858010	372428	Standard	RR	16-Oct-96
	111, 112	109, 110	6858207	372043	Standard	RR	16-Oct-96
	-	111, 112	6858393	371651	Standard	RR	16-Oct-96
Ref	113, 114	-	6855349	375448	Standard	RR	16-Oct-96
	117, 118	115, 116	6855550	375077	Standard	RR	16-Oct-96
	115, 116	113, 114	6855722	374663	Standard	RR	16-Oct-96
	119, 120	117, 118	6855931	374272	Standard	RR	16-Oct-96
	-	119, 120	6856116	373919	Standard	RR	16-Oct-96
Ref	121, 122	-	-	-	-	N/S	-
	123, 124	121, 122	-	-	-	N/S	-
	125, 126	123, 124	-	-	-	N/S	-
	127, 128	125, 126	-	-	-	N/S	-
	-	127, 128	-	-	-	N/S	-
Ref	129, 130	-	6855441	373043	Poor	RR	14-Oct-96
	131, 132	129, 130	6855662	372709	Standard	RR	14-Oct-96
	133, 134	131, 132	6855842	372359	Standard	RR	14-Oct-96
	135, 136	133, 134	6856041	371984	Poor	RR	14-Oct-96
	137, 138	135, 136	6856221	371667	Standard	RR	14-Oct-96
	139, 140	137, 138	6856482	371245	Standard	RR	14-Oct-96
	141, 142	139, 140	6856715	370866	Standard	RR	14-Oct-96
	143, 144	141, 142	6856903	370572	Poor	RR	14-Oct-96
	-	143, 144	6857142	370223	Standard	RR	14-Oct-96
Ref	145, 146	-	6856808	369751	Standard	RR	14-Oct-96
	147, 148	145, 146	6857183	369962	Standard	RR	14-Oct-96
	149, 150	147, 148	6857571	370172	Standard	RR	14-Oct-96
	151, 152	149, 150	-	-	-	N/S	-
	-	151, 152	-	-	-	N/S	-
Play	1, 2	-	6858051	369854	Uncorrected	-	30-May-96
	3, 4	1, 2	6858247	369418	Poor	WL	30-May-96

Claim	UTM Coordinates		UTM Coordinates		Data Quality	Base Station	Date
			Northing	Easting			
	5, 6	3, 4	6858457	369032	Poor	WL	30-May-96
	7, 8	5, 8	6858667	368578	Poor	WL	30-May-96
	9, 10	7, 8	6858916	368273	Standard	WL	30-May-96
	11, 12	9, 10	6859130	367896	Poor	WL	30-May-96
	13, 14	11, 12	6859325	367504	Standard	WL	30-May-96
	15, 16	13, 14	6859552	367086	Poor	WL	30-May-96
	17, 18	15, 16	6859752	366693	Standard	WL	30-May-96
	19, 20	17, 18	6859980	366305	Poor	WL	30-May-96
	21, 22	19, 20	6860191	365934	Poor	WL	30-May-96
	23, 24	21, 22	6860468	365562	Uncorrected	-	30-May-96
	25, 26	23, 24	6860661	365168	Standard	WL	30-May-96
	27, 28	25, 26	6860869	364798	Poor	WL	30-May-96
	29, 30	27, 28	6861099	364454	Uncorrected	-	30-May-96
	31, 32	29, 30	6861300	364035	Uncorrected	-	30-May-96
	-	31, 32	6861510	363653	Standard	WL	30-May-96
Play	33, 34	-	6857380	369048	Standard	WL	31-May-96
	35, 36	33, 34	6857524	368657	Standard	WL	31-May-96
	37, 38	35, 36	6857759	368246	Poor	WL	31-May-96
	39, 40	37, 38	6857952	367893	Poor	WL	31-May-96
	41, 42	39, 40	6858155	367573	Poor	WL	31-May-96
	43, 44	41, 42	6858437	367069	Poor	WL	31-May-96
	45, 46	43, 44	6858624	366764	Standard	WL	31-May-96
	47, 48	45, 46	6858840	366360	Poor	WL	31-May-96
	49, 50	47, 48	6859027	365975	Poor	WL	31-May-96
	51, 52	49, 50	6859303	365584	Poor	WL	31-May-96
	53, 54	51, 52	6859490	365219	Standard	WL	31-May-96
	55, 56	53, 54	6859742	364838	Standard	WL	31-May-96
	57, 58	55, 56	6859967	364422	Poor	WL	31-May-96
	59, 60	57, 58	6860135	364027	Poor	WL	31-May-96
	61, 62	59, 60	6860323	363611	Standard	WL	31-May-96
	63, 64	61, 62	6860599	363306	Poor	WL	31-May-96
	65, 66	63, 64	6860841	362917	Poor	WL	29-May-96
	67, 68	65, 66	6861045	362512	Poor	WL	29-May-96
	69, 70	67, 68	6861220	362115	Standard	WL	29-May-96
	71, 72	69, 70	6861394	361708	Poor	WL	29-May-96
	73, 74	71, 72	6861567	361298	Poor	WL	29-May-96
	75, 76	73, 74	-	-	-	N/S	-
	-	75, 76	-	-	-	N/S	-
Play	77, 78	-	6861510	363653	Standard	WL	30-May-96
	79, 80	77, 78	6861716	363271	Poor	WL	30-May-96
	81, 82	79, 80	6861937	362887	Poor	WL	30-May-96
	83, 84	81, 82	6862159	362493	Poor	WL	30-May-96
	85, 86	83, 84	6862359	362104	Standard	WL	30-May-96
	87, 88	85, 86	6862611	361697	Poor	WL	29-May-96
	-	87, 88	-	-	-	N/S	-
Play	89, 90	-	6863862	361610	Uncorrected	W	23-Jun-96
	91, 92	89, 90	6863573	361998	Standard	W	23-Jun-96
	93, 94	91, 92	6863333	362386	Standard	W	23-Jun-96
	95, 96	93, 94	6863097	362762	Standard	W	23-Jun-96
	97, 98	95, 96	6862888	363139	Poor	W	23-Jun-96
	99, 100	97, 98	6862651	363526	Poor	W	23-Jun-96
	101, 102	99, 100	6862433	363896	Standard	W	23-Jun-96
	103, 104	101, 102	6862207	364254	Standard	W	23-Jun-96
	105, 106	103, 104	6861942	364593	Poor	W	23-Jun-96
	107, 108	105, 106	6861696	364954	Poor	W	23-Jun-96
	109, 110	107, 108	6861467	365340	Poor	W	23-Jun-96
	111, 112	109, 110	6861250	365749	Standard	W	21-Jun-96
	113, 114	111, 112	6861009	366117	Standard	W	21-Jun-96
	115, 116	113, 114	6860780	366500	Poor	W	21-Jun-96
	117, 118	115, 116	6860582	366913	Standard	W	21-Jun-96
	119, 120	117, 118	6860351	367280	Standard	W	21-Jun-96
	121, 122	119, 120	6860067	367694	Poor	W	21-Jun-96
	123, 124	121, 122	6859898	368041	Poor	W	21-Jun-96

Claim	Posts 1	Posts 2	UTM Coordinates		Data Quality	Base Station	Date
			Northing	Easting			
	125, 126	123, 124	6859675	368435	Poor	W	21-Jun-96
	-	125, 126	6859523	368755	Standard	W	21-Jun-96
Play	127, 128	-	6862029	366195	Standard	WL	31-May-96
	129, 130	127, 128	6861780	366567	Standard	WL	31-May-96
	131, 132	129, 130	-	-	-	N/S	-
	133, 134	131, 132	6861296	367357	Standard	WL	31-May-96
	135, 136	133, 134	6861034	367723	Uncorrected	-	31-May-96
	137, 138	135, 136	6860870	368145	Uncorrected	-	31-May-96
	139	137, 138	6860540	368522	Uncorrected	-	31-May-96
	-	139	-	-	-	N/S	-

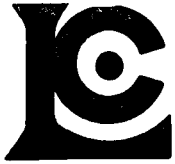
#### C. Geological Stations

Claim	Station	UTM Coordinates		Data Quality	Base Station	Date
		Northing	Easting			
Ref	REF2 camp	6856394	377602	Standard	WL	27-May-96
Ref	78-3	6855994	377326	Standard	WL	03-Jun-96
	78-2	6856097	377512	Standard	WL	03-Jun-96
	78-4	6856276	377565	Standard	WL	03-Jun-96

#### D. Claim Posts From Adjoining Claim Blocks

Claim	Posts 1	Posts 2	UTM Coordinates		Data Quality	Base Station	Date
			Northing	Easting			
Dot	1, 2	-	6861163	359658	Standard	WL	31-May-96
	3, 4	1, 2	6860978	360036	Poor	WL	31-May-96
	5, 6	3, 4	6860777	360442	Poor	WL	31-May-96
	7, 8	5, 6	6860571	360817	Poor	WL	31-May-96
	9, 10	7, 8	6860397	361257	Uncorrected	-	31-May-96
	11, 12	9, 10	6860325	361691	Poor	WL	31-May-96
	13, 14	11, 12	6859966	362065	Poor	WL	31-May-96
	15, 16	13, 14	6859807	362483	Poor	WL	31-May-96
	17, 18	15, 16	6859709	362847	Poor	WL	31-May-96
	19, 20	17, 18	6859384	363261	Poor	WL	31-May-96
	21, 22	19, 20	6859115	363702	Poor	WL	31-May-96
	23, 24	21, 22	6858893	364090	Poor	WL	31-May-96
	25, 26	23, 24	6858695	364477	Poor	WL	31-May-96
	27, 28	25, 26	6858481	364850	Poor	WL	31-May-96
	29, 30	27, 28	6858277	365262	Poor	WL	31-May-96
	31, 32	29, 30	6858092	365666	Poor	WL	31-May-96
	33, 34	31, 32	6857867	366095	Standard	WL	31-May-96
	35, 36	33, 34	6857675	366516	Poor	WL	31-May-96
Fret	44, 45	43	6859817	372002	Uncorrected	WL	26-May-96

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



# 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 : POWER PLAY  
Comments:

Page : 1  
Total Pages : 1  
Certificate Date: 22-JUL-96  
Invoice No. : I9624551  
P.O. Number :  
Account : MPO

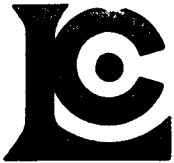
## CERTIFICATE OF ANALYSIS

A9624551

SAMPLE	PREP CODE	Au ppb FA+AA										
BB00121	244 --	20										
BB00123	244 --	5										
BB00132	244 --	15										

CERTIFICATION:

*Mark Vink*



# 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

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

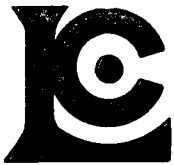
Project : POWER PLAY  
Comments:

Page : 1-A  
Total Pages : 2  
Certificate Date: 15-JUL-96  
Invoice No. : 19623404  
P.O. Number :  
Account : MPO

## CERTIFICATE OF ANALYSIS A9623404

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-04651	201	202	0.4	1.37	14	440	< 0.5	< 2	0.90	0.5	14	163	32	2.88	< 10	< 1	0.11	10	2.33	385	1
BB-04652	201	202	0.2	1.11	< 2	450	< 0.5	< 2	1.13	< 0.5	24	224	15	1.71	< 10	< 1	0.06	< 10	2.93	300	< 1
BB-04653	201	202	0.2	1.47	12	860	< 0.5	< 2	0.69	< 0.5	14	64	43	2.87	< 10	< 1	0.09	10	0.87	380	2
BB-04654	201	202	0.2	1.33	10	730	< 0.5	< 2	0.65	< 0.5	13	83	40	2.84	< 10	< 1	0.11	10	1.29	390	1
BB-04655	201	202	< 0.2	1.56	10	330	< 0.5	< 2	0.53	< 0.5	14	83	16	3.87	< 10	< 1	0.07	< 10	0.92	390	1
BB-04656	201	202	< 0.2	1.40	4	390	< 0.5	< 2	0.30	< 0.5	13	93	13	2.41	< 10	< 1	0.07	10	0.92	350	< 1
BB-04657	201	202	< 0.2	1.03	2	420	< 0.5	< 2	0.53	< 0.5	9	80	11	1.69	< 10	< 1	0.06	10	0.89	235	< 1
BB-04658	201	202	0.2	1.43	4	580	< 0.5	< 2	0.53	< 0.5	11	56	22	2.40	< 10	< 1	0.07	10	0.75	260	1
BB-04659	201	202	0.2	1.58	2	1210	< 0.5	< 2	0.49	< 0.5	9	52	18	2.23	< 10	< 1	0.09	10	0.64	490	1
BB-04660	201	202	0.2	1.49	2	520	< 0.5	< 2	0.70	0.5	12	76	49	2.39	< 10	< 1	0.11	10	0.99	300	< 1
BB-04661	201	202	0.2	1.31	6	440	< 0.5	< 2	0.52	< 0.5	11	83	18	2.23	< 10	< 1	0.09	10	1.02	240	< 1
BB-04662	201	202	< 0.2	1.12	6	350	< 0.5	< 2	0.64	< 0.5	12	96	10	1.94	< 10	< 1	0.09	10	1.15	300	< 1
BB-04663	201	202	< 0.2	1.33	10	600	< 0.5	< 2	0.51	< 0.5	11	82	9	2.27	< 10	< 1	0.11	10	0.74	465	< 1
BB-04664	201	202	0.2	1.12	4	640	< 0.5	< 2	1.19	< 0.5	10	72	22	1.88	< 10	< 1	0.12	10	1.01	295	< 1
BB-04665	201	202	0.2	1.09	6	570	< 0.5	< 2	1.19	< 0.5	12	54	27	2.05	< 10	< 1	0.13	10	0.90	300	< 1
BB-04666	201	202	< 0.2	1.63	4	1630	< 0.5	< 2	0.47	< 0.5	13	122	30	2.78	< 10	< 1	0.06	10	1.52	385	< 1
BB-04667	201	202	< 0.2	1.20	4	1080	< 0.5	< 2	0.49	< 0.5	11	99	36	2.27	< 10	< 1	0.06	10	1.31	330	< 1
BB-04668	201	202	< 0.2	1.30	10	430	< 0.5	< 2	0.47	< 0.5	13	115	39	3.02	< 10	< 1	0.10	10	1.85	360	1
BB-04669	201	202	0.2	1.68	14	930	< 0.5	< 2	0.39	< 0.5	21	140	44	3.37	< 10	< 1	0.11	10	1.71	640	1
BB-04670	201	202	< 0.2	1.10	6	520	< 0.5	< 2	0.35	< 0.5	9	92	11	1.92	< 10	< 1	0.07	10	0.91	225	1
BB-04671	201	202	< 0.2	1.58	8	640	< 0.5	< 2	0.20	< 0.5	10	63	12	2.61	< 10	< 1	0.11	10	0.73	270	1
BB-04672	201	202	< 0.2	1.57	6	1010	< 0.5	< 2	0.55	< 0.5	15	130	31	2.78	< 10	< 1	0.10	10	1.64	485	< 1
BB-04673	201	202	0.2	1.42	8	1180	< 0.5	< 2	1.19	< 0.5	13	106	46	2.41	< 10	< 1	0.10	10	1.16	760	< 1
BB-04674	201	202	0.2	1.59	8	850	< 0.5	< 2	0.72	< 0.5	12	83	32	2.61	< 10	< 1	0.14	10	0.98	430	< 1
BB-04675	201	202	< 0.2	1.08	6	410	< 0.5	< 2	0.60	< 0.5	8	59	18	1.80	< 10	< 1	0.11	10	0.75	230	< 1
BB-04676	201	202	< 0.2	1.27	6	660	< 0.5	< 2	0.26	< 0.5	7	50	7	1.76	< 10	< 1	0.09	10	0.49	265	1
BB-05708	201	202	0.2	1.21	8	470	< 0.5	< 2	0.88	< 0.5	12	124	32	2.13	< 10	< 1	0.11	10	1.89	570	1
BB-05709	201	202	0.6	0.77	12	410	< 0.5	< 2	0.97	0.5	10	48	61	2.65	< 10	< 1	0.08	10	0.63	230	4
BB-05710	201	202	< 0.2	2.19	6	520	< 0.5	< 2	0.32	< 0.5	19	73	62	3.76	< 10	< 1	0.07	10	1.73	325	2
BB-05711	201	202	0.2	1.33	16	490	< 0.5	< 2	0.50	0.5	14	61	84	3.67	< 10	< 1	0.07	10	1.12	215	4
BB-05712	201	202	0.2	1.25	8	760	< 0.5	< 2	0.61	< 0.5	13	91	31	2.40	< 10	< 1	0.09	10	1.47	360	< 1
BB-05713	201	202	0.4	0.71	6	530	< 0.5	< 2	0.46	< 0.5	9	48	43	2.15	< 10	< 1	0.06	< 10	0.66	320	2
BB-05714	201	202	0.2	1.15	10	760	< 0.5	< 2	0.62	< 0.5	13	70	65	3.02	< 10	< 1	0.08	10	1.03	445	2
BB-05715	201	202	0.2	1.19	8	660	< 0.5	< 2	0.68	< 0.5	11	58	43	2.75	< 10	< 1	0.07	< 10	0.66	200	3
BB-05716	201	202	< 0.2	1.18	10	680	< 0.5	< 2	0.27	< 0.5	8	66	17	2.31	< 10	< 1	0.07	10	0.61	190	1
BB-05717	201	202	< 0.2	1.26	4	640	< 0.5	< 2	0.41	< 0.5	9	68	14	2.00	< 10	< 1	0.07	10	0.71	260	< 1
BB-05718	201	202	0.2	1.43	8	880	< 0.5	< 2	0.47	< 0.5	11	78	40	2.67	< 10	< 1	0.10	10	0.90	370	1
BB-05719	201	202	< 0.2	1.39	6	540	< 0.5	< 2	0.39	< 0.5	9	68	13	2.21	< 10	< 1	0.08	10	0.88	210	1
BB-05720	201	202	< 0.2	1.67	12	1360	< 0.5	< 2	0.57	< 0.5	18	73	38	3.52	< 10	< 1	0.09	10	0.72	475	1
BB-05721	201	202	< 0.2	1.43	8	900	< 0.5	< 2	0.45	< 0.5	9	56	16	2.44	< 10	< 1	0.09	10	0.57	195	< 1

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

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

Project : POWER PLAY  
 Comments:

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 Total Pages : 2  
 Certificate Date: 15-JUL-96  
 Invoice No. : 19623404  
 P.O. Number :  
 Account : MPO

## CERTIFICATE OF ANALYSIS A9623404

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-04651	201	202	0.04	162	980	44	2	6	51	0.05	< 10	< 10	60	< 10	128
BB-04652	201	202	0.01	132	1030	6	< 2	7	61	0.04	< 10	< 10	40	< 10	108
BB-04653	201	202	< 0.01	73	710	14	2	5	48	0.02	< 10	< 10	48	< 10	88
BB-04654	201	202	0.01	99	720	10	2	5	33	0.04	< 10	< 10	56	< 10	84
BB-04655	201	202	< 0.01	51	560	10	< 2	3	25	0.03	< 10	< 10	60	< 10	66
BB-04656	201	202	< 0.01	59	460	10	< 2	3	15	0.04	< 10	< 10	59	< 10	76
BB-04657	201	202	< 0.01	53	770	8	< 2	3	31	0.04	< 10	< 10	42	< 10	88
BB-04658	201	202	< 0.01	41	520	12	< 2	4	31	0.04	< 10	< 10	49	< 10	104
BB-04659	201	202	< 0.01	38	620	12	< 2	3	27	0.03	< 10	< 10	52	< 10	180
BB-04660	201	202	0.01	83	680	12	< 2	5	40	0.05	< 10	< 10	54	< 10	114
BB-04661	201	202	< 0.01	61	460	8	< 2	4	28	0.05	< 10	< 10	55	< 10	108
BB-04662	201	202	< 0.01	61	790	6	< 2	3	32	0.05	< 10	< 10	53	< 10	74
BB-04663	201	202	< 0.01	43	450	12	< 2	3	22	0.05	< 10	< 10	69	< 10	64
BB-04664	201	202	0.01	61	870	8	< 2	4	53	0.04	< 10	< 10	49	< 10	86
BB-04665	201	202	0.01	47	860	10	< 2	4	50	0.02	< 10	< 10	46	< 10	80
BB-04666	201	202	0.01	112	520	8	2	5	26	0.04	< 10	< 10	61	< 10	56
BB-04667	201	202	0.01	119	390	8	< 2	5	23	0.04	< 10	< 10	49	< 10	52
BB-04668	201	202	< 0.01	150	790	12	< 2	5	30	0.02	< 10	< 10	45	< 10	100
BB-04669	201	202	0.01	166	340	14	< 2	7	25	0.03	< 10	< 10	57	< 10	88
BB-04670	201	202	< 0.01	50	400	8	< 2	2	18	0.03	< 10	< 10	49	< 10	66
BB-04671	201	202	< 0.01	49	210	10	< 2	3	15	0.03	< 10	< 10	59	< 10	60
BB-04672	201	202	< 0.01	156	270	10	< 2	5	26	0.04	< 10	< 10	58	< 10	60
BB-04673	201	202	< 0.01	92	950	12	2	7	56	0.04	< 10	< 10	59	< 10	78
BB-04674	201	202	0.01	73	850	10	2	4	42	0.04	< 10	< 10	63	< 10	106
BB-04675	201	202	0.03	47	670	10	< 2	3	36	0.03	< 10	< 10	44	< 10	82
BB-04676	201	202	< 0.01	24	370	8	< 2	2	18	0.04	< 10	< 10	52	< 10	110
BB-05708	201	202	0.02	146	1110	8	< 2	7	46	0.05	< 10	< 10	55	< 10	96
BB-05709	201	202	< 0.01	43	1620	14	2	4	59	0.01	< 10	< 10	31	< 10	116
BB-05710	201	202	< 0.01	63	940	8	2	3	23	< 0.01	< 10	< 10	49	< 10	120
BB-05711	201	202	< 0.01	70	1380	12	2	3	37	0.01	< 10	< 10	43	< 10	162
BB-05712	201	202	< 0.01	111	990	10	< 2	4	38	0.04	< 10	< 10	50	< 10	92
BB-05713	201	202	< 0.01	72	840	10	2	3	42	0.01	< 10	< 10	32	< 10	110
BB-05714	201	202	< 0.01	96	900	38	< 2	5	48	0.01	< 10	< 10	40	< 10	98
BB-05715	201	202	< 0.01	67	630	10	< 2	4	39	0.01	< 10	< 10	48	< 10	140
BB-05716	201	202	< 0.01	44	320	8	< 2	2	15	0.03	< 10	< 10	48	< 10	64
BB-05717	201	202	< 0.01	44	310	8	2	3	21	0.02	< 10	< 10	44	< 10	58
BB-05718	201	202	< 0.01	83	460	10	2	6	33	0.03	< 10	< 10	52	< 10	96
BB-05719	201	202	< 0.01	43	270	12	2	3	23	0.03	< 10	< 10	49	< 10	60
BB-05720	201	202	< 0.01	68	530	10	2	5	24	0.02	< 10	< 10	60	< 10	94
BB-05721	201	202	0.01	39	470	10	2	3	25	0.03	< 10	< 10	55	< 10	82

CERTIFICATION:

*Hank Buchler*



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Analytical Chemists \* Geochemists \* Registered Assayers

212 Brooksbank Ave., North Vancouver  
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Client: EXPATRIATE RESOURCES LTD.  
 C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED  
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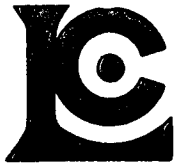
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 Total Pages :2  
 Certificate Date: 15-JUL-96  
 Invoice No. : I9623404  
 P.O. Number :  
 Account : MPO

Project : POWER PLAY  
 Comments:

## CERTIFICATE OF ANALYSIS A9623404

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-05722	201 202	< 0.2	1.55	8	630	0.5	< 2	0.53	< 0.5	14	53	40	2.91	< 10	< 1	0.12	20	0.73	350	< 1
BB-05723	201 202	0.6	0.92	8	400	< 0.5	< 2	0.71	0.5	10	67	27	2.03	< 10	< 1	0.07	10	0.77	235	2
BB-05724	201 202	< 0.2	1.05	6	700	< 0.5	< 2	0.77	1.0	12	69	37	2.57	< 10	< 1	0.06	< 10	0.95	240	< 1
BB-05725	201 202	0.2	1.13	14	590	< 0.5	< 2	0.97	1.0	15	74	35	2.40	< 10	< 1	0.07	< 10	0.97	560	< 1
BB-05726	201 202	< 0.2	1.16	4	550	< 0.5	< 2	0.82	0.5	16	147	17	1.97	< 10	1	0.07	10	1.95	370	< 1
BB-05727	201 202	< 0.2	1.11	8	420	< 0.5	< 2	0.89	< 0.5	13	134	21	2.07	< 10	1	0.07	10	1.89	575	< 1
BB-05728	201 202	< 0.2	1.27	10	540	< 0.5	< 2	0.63	< 0.5	15	138	15	2.48	< 10	< 1	0.06	10	1.32	615	< 1
BB-05729	201 202	0.2	1.29	6	530	< 0.5	< 2	1.01	0.5	19	136	31	2.25	< 10	< 1	0.10	10	1.53	545	< 1
BB-05730	201 202	< 0.2	1.21	8	460	< 0.5	< 2	0.74	< 0.5	10	85	23	2.00	< 10	< 1	0.09	10	0.99	275	< 1
BB-05731	201 202	< 0.2	1.13	6	390	< 0.5	< 2	0.80	< 0.5	10	71	16	1.81	< 10	< 1	0.08	10	0.87	290	< 1
BB-05732	201 202	< 0.2	1.11	2	590	< 0.5	< 2	0.80	0.5	11	84	27	1.88	< 10	< 1	0.07	10	1.02	250	< 1
BB-05733	201 202	< 0.2	0.78	4	300	< 0.5	< 2	0.59	< 0.5	7	55	8	1.30	< 10	< 1	0.07	< 10	0.60	170	< 1
BB-05734	201 202	0.2	1.44	10	510	< 0.5	< 2	0.87	< 0.5	11	94	35	2.51	< 10	< 1	0.14	10	1.13	245	1
BB-05735	201 202	0.4	1.33	6	650	< 0.5	< 2	0.54	0.5	10	60	18	2.50	< 10	< 1	0.09	10	0.71	340	< 1
BB-05736	201 202	< 0.2	1.30	14	860	< 0.5	< 2	0.49	0.5	13	82	44	2.62	< 10	1	0.11	10	1.01	340	< 1
BB-05737	201 202	1.0	0.72	14	470	< 0.5	< 2	0.40	0.5	7	41	59	2.19	< 10	< 1	0.09	10	0.43	180	3
BB-05738	201 202	< 0.2	1.31	6	640	< 0.5	< 2	0.89	< 0.5	7	59	18	1.89	< 10	< 1	0.10	10	0.81	180	< 1
BB-05739	201 202	0.2	1.40	10	750	< 0.5	< 2	0.95	< 0.5	20	115	50	2.84	< 10	1	0.11	10	1.80	285	< 1
BB-05740	201 202	< 0.2	1.79	8	340	< 0.5	< 2	0.41	0.5	25	261	27	3.80	< 10	< 1	0.08	< 10	3.13	355	< 1
BB-05741	201 202	< 0.2	1.66	8	370	< 0.5	< 2	0.28	0.5	18	219	11	4.12	< 10	< 1	0.09	10	0.82	995	< 1

CERTIFICATION: \_\_\_\_\_



# 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

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

Project: POWER PLAY  
Comments:

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Certificate Date: 15-JUL-96  
Invoice No.: 19623404  
P.O. Number:  
Account: MPO

## CERTIFICATE OF ANALYSIS

### A9623404

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-05722	201	202	< 0.01	45	960	10	< 2	4	38	0.02	< 10	< 10	44	< 10	102
BB-05723	201	202	< 0.01	51	1480	10	< 2	3	75	0.02	< 10	< 10	52	< 10	130
BB-05724	201	202	< 0.01	72	880	10	< 2	4	46	0.03	< 10	< 10	39	< 10	104
BB-05725	201	202	0.01	84	850	10	2	4	54	0.03	< 10	< 10	40	< 10	94
BB-05726	201	202	0.01	108	980	8	2	5	43	0.05	< 10	< 10	44	< 10	80
BB-05727	201	202	0.01	97	1030	8	2	5	48	0.05	< 10	< 10	50	< 10	90
BB-05728	201	202	0.01	71	500	14	< 2	4	29	0.03	< 10	< 10	54	< 10	68
BB-05729	201	202	< 0.01	101	490	12	< 2	5	44	0.05	< 10	< 10	53	< 10	72
BB-05730	201	202	< 0.01	48	850	8	< 2	4	35	0.05	< 10	< 10	51	< 10	84
BB-05731	201	202	< 0.01	41	710	6	2	3	40	0.05	< 10	< 10	44	< 10	76
BB-05732	201	202	< 0.01	72	620	6	< 2	4	36	0.05	< 10	< 10	44	< 10	100
BB-05733	201	202	0.05	31	580	2	< 2	2	30	0.04	< 10	< 10	36	< 10	64
BB-05734	201	202	< 0.01	77	720	8	4	5	47	0.04	< 10	< 10	58	< 10	120
BB-05735	201	202	< 0.01	52	440	8	2	4	29	0.03	< 10	< 10	48	< 10	110
BB-05736	201	202	< 0.01	88	890	10	< 2	5	33	0.04	< 10	< 10	50	< 10	144
BB-05737	201	202	0.01	42	1310	16	2	3	91	0.01	< 10	< 10	71	< 10	94
BB-05738	201	202	< 0.01	38	800	6	< 2	4	47	0.04	< 10	< 10	45	< 10	84
BB-05739	201	202	0.01	185	520	10	2	6	43	0.03	< 10	< 10	51	< 10	84
BB-05740	201	202	< 0.01	193	390	10	< 2	4	19	0.05	< 10	< 10	75	< 10	106
BB-05741	201	202	< 0.01	54	610	14	< 2	3	13	0.07	< 10	< 10	114	< 10	144

CERTIFICATION: \_\_\_\_\_



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V6B 1L8

Project : POWER PLAY  
Comments:

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Total Pages : 5  
Certificate Date: 11-JUL-96  
Invoice No. : 19622864  
P.O. Number :  
Account : MPO

## CERTIFICATE OF ANALYSIS

### A9622864

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 00778	201	202	< 0.2	1.34	8	660	< 0.5	< 2	0.53	0.5	14	104	24	2.86	< 10	< 1	0.08	10	0.86	395	1
BB 00779	201	202	0.2	0.81	8	360	< 0.5	2	1.13	0.5	11	64	37	2.53	< 10	< 1	0.10	10	1.21	275	2
BB 00780	201	202	0.2	1.10	6	510	< 0.5	< 2	0.58	0.5	16	127	13	2.11	10	< 1	0.06	10	1.60	355	< 1
BB 00781	201	202	< 0.2	0.57	2	280	< 0.5	2	2.14	1.0	9	28	30	2.06	< 10	< 1	0.10	20	1.26	225	1
BB 00782	201	202	0.2	1.05	22	630	< 0.5	2	0.71	1.0	17	56	93	3.85	< 10	< 1	0.12	20	0.61	420	4
BB 00783	201	202	0.4	1.57	10	630	< 0.5	2	0.62	1.0	14	69	65	3.28	10	< 1	0.12	20	1.42	400	5
BB 00784	201	202	0.4	1.29	6	410	< 0.5	2	0.65	0.5	11	57	23	2.59	10	< 1	0.08	10	1.13	165	1
BB 00785	201	202	< 0.2	1.44	10	1140	< 0.5	2	0.46	0.5	11	61	36	2.66	< 10	< 1	0.09	10	0.73	365	2
BB 00786	201	202	0.4	1.68	6	1070	< 0.5	< 2	0.56	1.0	13	63	31	2.90	10	< 1	0.09	10	0.64	520	3
BB 00787	201	202	0.4	1.03	6	700	< 0.5	< 2	0.64	0.5	10	56	42	2.56	< 10	< 1	0.10	10	0.68	170	4
BB 00788	201	202	0.2	1.69	16	830	0.5	2	0.75	1.5	18	81	112	3.80	10	< 1	0.16	10	1.61	410	3
BB 01235	201	202	0.2	0.87	14	410	< 0.5	2	0.87	0.5	10	47	39	2.18	< 10	< 1	0.09	10	0.52	355	2
BB 01236	201	202	0.4	1.77	10	890	< 0.5	< 2	0.80	1.0	16	80	48	3.88	10	< 1	0.11	10	0.87	555	3
BB 01237	201	202	0.2	1.02	8	460	< 0.5	2	1.05	0.5	9	64	45	2.19	10	< 1	0.13	10	0.91	195	1
BB 01238	201	202	0.2	0.99	8	350	< 0.5	< 2	0.61	0.5	11	43	13	2.32	< 10	< 1	0.06	10	0.67	985	4
BB 01239	201	202	0.2	1.22	12	420	< 0.5	2	0.69	1.0	17	75	63	2.82	10	< 1	0.09	10	0.75	465	2
BB 01240	201	202	0.2	0.99	8	340	< 0.5	2	0.66	0.5	12	61	24	2.27	10	< 1	0.07	10	0.82	315	2
BB 01241	201	202	0.2	0.96	8	310	< 0.5	2	0.88	0.5	11	48	20	2.76	< 10	< 1	0.11	10	0.66	590	3
BB 01242	201	202	0.4	1.08	28	430	< 0.5	< 2	1.13	0.5	9	40	35	2.31	10	< 1	0.10	10	0.86	235	1
BB 01243	201	202	0.4	1.20	74	330	< 0.5	2	2.79	1.0	21	33	57	3.79	< 10	< 1	0.11	20	0.99	725	2
BB 01244	201	202	0.6	1.16	26	560	0.5	< 2	0.76	0.5	11	41	30	3.22	10	< 1	0.08	10	0.51	390	3
BB 01245	201	202	0.4	1.50	16	300	< 0.5	< 2	0.65	0.5	16	78	67	3.82	10	< 1	0.10	10	1.35	310	3
BB 01246	201	202	< 0.2	0.25	2	130	< 0.5	< 2	0.13	< 0.5	1	4	6	0.48	< 10	< 1	0.04	< 10	0.07	20	< 1
BB 01250	201	202	0.2	1.24	22	320	< 0.5	2	0.87	0.5	15	41	31	3.35	< 10	< 1	0.16	10	0.82	385	3
BB 01251	201	202	0.4	1.55	20	520	0.5	2	0.68	1.5	13	43	57	3.08	10	< 1	0.13	10	0.60	735	3
BB 01252	201	202	0.2	2.04	6	480	0.5	2	0.66	0.5	12	40	22	3.20	10	< 1	0.09	10	0.89	270	< 1
BB 01253	201	202	0.8	1.49	22	490	< 0.5	< 2	0.98	1.0	13	36	56	3.04	10	< 1	0.12	10	0.89	250	3
BB 01254	201	202	1.0	1.42	18	480	< 0.5	2	1.05	1.0	15	46	81	3.53	10	< 1	0.12	10	0.83	475	3
BB 01255	201	202	0.2	0.91	4	350	< 0.5	< 2	0.64	0.5	4	29	14	1.03	< 10	< 1	0.10	10	0.42	145	< 1
BB 01256	201	202	0.2	1.13	8	590	< 0.5	2	0.83	1.0	11	30	18	2.12	< 10	< 1	0.11	10	0.56	620	1
BB 01257	201	202	0.4	1.29	10	360	< 0.5	< 2	0.77	0.5	12	38	33	2.54	10	< 1	0.10	10	0.61	545	1
BB 01258	201	202	0.2	1.55	16	510	< 0.5	2	0.69	0.5	15	40	51	3.33	10	< 1	0.11	10	0.78	265	3
BB 01259	201	202	0.2	1.50	12	640	0.5	2	0.72	0.5	11	37	25	2.56	10	< 1	0.11	10	0.69	255	1
BB 01260	201	202	2.6	1.12	70	330	0.5	< 2	3.37	3.0	23	24	155	5.43	10	< 1	0.21	10	1.01	345	18
BB 01261	201	202	0.6	1.62	8	520	0.5	< 2	0.81	1.0	13	47	56	3.04	10	< 1	0.14	10	0.91	395	3
BB 01262	201	202	0.2	1.69	22	540	< 0.5	2	2.21	1.5	22	32	61	3.87	10	< 1	0.51	10	1.58	450	2
BB 01263	201	202	< 0.2	1.93	48	440	< 0.5	2	1.20	1.0	27	49	119	5.28	10	< 1	0.17	10	1.43	695	3
BB 01264	201	202	< 0.2	1.63	90	470	< 0.5	2	0.54	1.0	23	50	89	4.52	10	< 1	0.16	10	1.21	610	3
BB 01265	201	202	< 0.2	1.04	86	690	< 0.5	2	0.52	1.0	15	66	50	2.56	10	< 1	0.08	10	0.85	350	1
BB 01266	201	202	0.2	1.32	28	690	< 0.5	2	1.07	1.5	14	73	63	3.20	10	< 1	0.09	10	1.05	470	1

CERTIFICATION:

*Hart Buchler*



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## CERTIFICATE OF ANALYSIS

### A9622864

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 00778	201 202	< 0.01	77	440	32	< 2	4	24	0.03	< 10	< 10	51	< 10	102
BB 00779	201 202	< 0.01	79	830	12	< 2	4	46	0.01	< 10	< 10	29	< 10	110
BB 00780	201 202	< 0.01	105	360	6	< 2	5	30	0.05	< 10	< 10	44	< 10	70
BB 00781	201 202	< 0.01	42	760	12	< 2	3	79	< 0.01	< 10	< 10	17	< 10	102
BB 00782	201 202	< 0.01	78	1310	12	2	5	46	0.01	< 10	< 10	35	< 10	140
BB 00783	201 202	< 0.01	85	1200	20	< 2	5	45	0.02	< 10	< 10	46	< 10	158
BB 00784	201 202	< 0.01	58	1500	8	< 2	5	44	0.04	< 10	< 10	42	< 10	134
BB 00785	201 202	< 0.01	62	450	12	< 2	4	30	0.01	< 10	< 10	51	< 10	78
BB 00786	201 202	< 0.01	56	800	8	< 2	4	30	0.01	< 10	< 10	61	< 10	178
BB 00787	201 202	< 0.01	60	1220	10	2	3	47	0.01	< 10	< 10	42	< 10	122
BB 00788	201 202	< 0.01	110	1360	16	< 2	6	54	0.02	< 10	< 10	68	< 10	160
BB 01235	201 202	0.01	46	1190	8	2	3	47	0.02	< 10	< 10	37	< 10	104
BB 01236	201 202	< 0.01	73	770	10	< 2	6	41	0.01	< 10	< 10	61	< 10	168
BB 01237	201 202	< 0.01	51	1650	12	< 2	4	71	0.03	< 10	< 10	42	< 10	108
BB 01238	201 202	0.03	31	940	10	< 2	3	37	0.04	< 10	< 10	40	< 10	84
BB 01239	201 202	< 0.01	80	920	8	< 2	5	44	0.03	< 10	< 10	49	< 10	134
BB 01240	201 202	< 0.01	52	840	6	< 2	3	31	0.05	< 10	< 10	43	< 10	122
BB 01241	201 202	0.01	41	1060	10	< 2	5	43	0.03	< 10	< 10	40	< 10	96
BB 01242	201 202	0.02	48	990	6	< 2	4	45	0.03	< 10	< 10	42	< 10	74
BB 01243	201 202	< 0.01	62	1230	16	< 2	5	71	0.01	< 10	< 10	28	< 10	130
BB 01244	201 202	< 0.01	44	590	12	< 2	5	29	0.01	< 10	< 10	42	< 10	92
BB 01245	201 202	< 0.01	91	1430	10	2	4	38	0.02	< 10	< 10	46	< 10	108
BB 01246	201 202	< 0.05	8	110	< 2	< 2	< 1	8	0.01	< 10	< 10	15	< 10	18
BB 01250	201 202	< 0.01	34	1310	12	4	4	41	0.04	< 10	< 10	46	< 10	132
BB 01251	201 202	< 0.01	48	1120	14	2	4	39	0.01	< 10	< 10	67	< 10	168
BB 01252	201 202	< 0.01	35	450	10	< 2	6	39	0.04	< 10	< 10	47	< 10	82
BB 01253	201 202	< 0.01	44	950	12	< 2	5	60	0.03	< 10	< 10	64	< 10	122
BB 01254	201 202	< 0.01	63	1220	16	< 2	6	48	0.03	< 10	< 10	52	< 10	114
BB 01255	201 202	< 0.01	14	780	6	< 2	2	34	0.02	< 10	< 10	32	< 10	122
BB 01256	201 202	< 0.01	35	680	8	< 2	3	37	0.01	< 10	< 10	49	< 10	140
BB 01257	201 202	< 0.01	39	490	10	< 2	4	35	0.03	< 10	< 10	44	< 10	94
BB 01258	201 202	< 0.01	42	1920	10	2	5	39	0.03	< 10	< 10	60	< 10	104
BB 01259	201 202	< 0.01	32	740	8	< 2	4	37	0.04	< 10	< 10	49	< 10	90
BB 01260	201 202	< 0.01	84	3310	38	8	4	82	< 0.01	< 10	< 10	62	< 10	254
BB 01261	201 202	< 0.01	54	1460	8	< 2	6	51	0.05	< 10	< 10	63	< 10	104
BB 01262	201 202	< 0.01	58	1430	8	< 2	5	61	0.08	< 10	< 10	55	< 10	96
BB 01263	201 202	< 0.01	80	1410	10	< 2	7	40	0.03	< 10	< 10	57	< 10	108
BB 01264	201 202	< 0.01	71	1230	10	< 2	6	32	0.04	< 10	< 10	59	< 10	100
BB 01265	201 202	< 0.01	91	1410	8	< 2	5	37	0.03	< 10	< 10	43	< 10	112
BB 01266	201 202	< 0.01	88	1530	10	< 2	6	52	0.03	< 10	< 10	50	< 10	110

CERTIFICATION:

*Handwritten signature*



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## CERTIFICATE OF ANALYSIS A9622864

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 01267	201 202	0.2	1.09	18	300	< 0.5	< 2	1.06	0.5	10	44	28	2.49	< 10	< 1	0.10	10	0.74	320	2
BB 01268	201 202	1.2	1.10	8	450	< 0.5	< 2	1.04	1.0	10	44	61	2.65	< 10	< 1	0.11	10	0.75	205	4
BB 01269	201 202	0.2	1.15	10	500	< 0.5	< 2	0.76	0.5	15	193	27	2.65	< 10	< 1	0.07	10	2.57	345	< 1
BB 01270	201 202	< 0.2	1.14	6	940	< 0.5	< 2	0.68	1.0	13	119	31	2.40	< 10	< 1	0.08	10	1.72	420	< 1
BB 01271	201 202	< 0.2	1.45	6	790	< 0.5	< 2	0.71	0.5	21	66	77	4.53	< 10	< 1	0.17	10	1.05	450	1
BB 01272	201 202	0.2	1.57	6	620	< 0.5	< 2	1.03	0.5	16	75	64	3.83	< 10	< 1	0.11	10	1.16	420	2
BB 01273	201 202	< 0.2	1.39	< 2	600	< 0.5	< 2	0.79	0.5	10	75	20	2.16	< 10	< 1	0.10	10	1.07	230	1
BB 01274	201 202	< 0.2	1.30	6	580	< 0.5	< 2	0.64	0.5	11	80	21	2.09	< 10	< 1	0.10	10	0.99	225	1
BB 01275	201 202	< 0.2	1.96	8	490	< 0.5	< 2	0.56	< 0.5	11	82	19	3.09	< 10	< 1	0.13	10	0.94	345	1
BB 01276	201 202	< 0.2	1.18	2	660	< 0.5	< 2	0.52	< 0.5	9	85	25	2.04	< 10	< 1	0.09	10	0.97	240	< 1
BB 01277	201 202	< 0.2	1.35	6	830	< 0.5	< 2	0.55	0.5	10	94	28	2.55	< 10	< 1	0.11	10	1.19	270	< 1
BB 01278	201 202	< 0.2	1.18	6	470	< 0.5	< 2	0.30	< 0.5	8	68	10	2.10	< 10	< 1	0.09	10	0.66	240	1
BB 01279	201 202	< 0.2	1.29	6	790	< 0.5	< 2	0.43	0.5	10	70	18	2.14	< 10	< 1	0.07	10	0.79	335	1
BB 01280	201 202	0.2	1.79	6	900	0.5	< 2	0.43	0.5	13	61	35	3.07	< 10	< 1	0.12	10	0.77	415	3
BB 01281	201 202	< 0.2	0.77	4	310	< 0.5	< 2	0.45	0.5	8	58	15	1.67	< 10	< 1	0.09	10	0.61	280	3
BB 06501	201 202	< 0.2	2.38	24	190	< 0.5	< 2	0.95	0.5	19	64	89	4.61	< 10	< 1	0.26	10	2.06	500	< 1
BB 06502	201 202	< 0.2	1.81	18	300	< 0.5	< 2	0.80	0.5	15	46	39	3.60	< 10	1	0.14	20	1.19	470	1
BB 06503	201 202	< 0.2	1.68	20	290	< 0.5	< 2	1.23	0.5	14	56	32	3.01	< 10	< 1	0.11	10	1.17	355	1
BB 06504	201 202	0.6	2.14	12	430	0.5	< 2	0.88	2.5	13	45	79	3.51	< 10	< 1	0.36	20	1.66	435	6
BB 06505	201 202	0.2	2.10	14	240	< 0.5	< 2	1.23	1.5	18	97	58	3.68	< 10	< 1	0.18	20	1.72	370	1
BB 06506	201 202	0.4	1.63	14	260	< 0.5	< 2	1.04	2.0	14	45	61	3.10	< 10	< 1	0.20	10	1.15	430	4
BB 06507	201 202	< 0.2	2.00	12	500	< 0.5	< 2	0.97	1.0	15	41	48	3.57	< 10	< 1	0.16	10	1.15	470	3
BB 06508	201 202	< 0.2	2.61	4	190	< 0.5	< 2	0.91	0.5	26	221	46	4.31	< 10	< 1	0.09	10	2.53	430	< 1
BB 06509	201 202	< 0.2	2.57	14	350	< 0.5	< 2	0.75	0.5	20	152	47	4.32	< 10	< 1	0.13	10	1.97	340	1
BB 06510	201 202	< 0.2	3.18	< 2	200	< 0.5	< 2	0.41	0.5	26	93	134	5.57	< 10	< 1	0.05	10	2.51	500	< 1
BB 06511	201 202	< 0.2	1.99	10	250	< 0.5	< 2	1.23	1.0	17	109	60	3.46	< 10	< 1	0.13	10	1.53	310	2
BB 06512	201 202	< 0.2	3.53	10	150	0.5	< 2	1.07	0.5	39	461	89	5.68	< 10	< 1	0.09	10	4.00	660	< 1
BB 06513	201 202	< 0.2	2.09	40	300	< 0.5	< 2	0.96	2.5	17	81	67	3.84	< 10	< 1	0.14	10	1.42	380	2
BB 06514	201 202	0.6	2.25	14	470	< 0.5	< 2	1.01	3.5	15	94	71	3.92	< 10	< 1	0.11	10	1.49	535	3
BB 06515	201 202	1.0	2.46	38	520	0.5	< 2	0.24	1.5	16	96	75	4.93	< 10	< 1	0.12	20	1.32	280	3
BB 06516	201 202	< 0.2	2.57	16	450	< 0.5	< 2	0.69	2.5	19	108	117	4.31	< 10	< 1	0.16	20	1.70	535	1
BB 06517	201 202	2.4	1.91	30	760	0.5	< 2	0.81	4.0	13	82	171	3.39	< 10	1	0.17	20	1.01	300	4
BB 06518	201 202	2.6	2.60	16	290	< 0.5	< 2	0.33	1.0	17	90	58	5.01	< 10	< 1	0.14	10	1.58	435	2
BB 06519	201 202	0.2	3.16	76	600	0.5	< 2	0.44	1.5	25	139	93	5.29	< 10	< 1	0.23	20	2.03	570	< 1
BB 06520	201 202	1.2	1.38	24	670	< 0.5	< 2	0.84	9.5	10	51	177	2.32	< 10	1	0.14	20	0.65	165	7
BB 06521	201 202	0.2	2.11	34	340	< 0.5	< 2	0.84	0.5	17	88	61	3.82	< 10	1	0.16	10	1.60	400	1
BB 06522	201 202	0.2	1.79	24	370	< 0.5	< 2	0.81	1.5	17	82	76	3.51	< 10	< 1	0.13	20	1.32	320	1
BB 06523	201 202	3.4	0.62	20	950	< 0.5	< 2	0.15	1.5	3	30	33	2.44	< 10	1	0.22	30	0.33	100	23
BB 06524	201 202	1.6	1.33	18	560	< 0.5	< 2	0.76	1.5	8	46	82	2.51	< 10	< 1	0.12	10	0.74	255	12
BB 06525	201 202	1.0	1.33	20	430	< 0.5	< 2	0.87	2.5	12	54	66	3.19	< 10	< 1	0.11	10	0.91	425	4

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## CERTIFICATE OF ANALYSIS

## A9622864

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 01267	201	202	0.01	41	1200	10	< 2	4	54	0.04	< 10	< 10	40	< 10	98
BB 01268	201	202	0.01	65	1750	18	< 2	5	55	0.02	< 10	< 10	56	< 10	162
BB 01269	201	202	0.01	179	820	8	< 2	6	36	0.05	< 10	< 10	52	< 10	70
BB 01270	201	202	0.01	129	830	8	< 2	5	39	0.05	< 10	< 10	49	< 10	70
BB 01271	201	202	< 0.01	96	1230	4	< 2	7	30	0.02	< 10	< 10	43	< 10	112
BB 01272	201	202	< 0.01	83	1130	8	< 2	6	48	0.03	< 10	< 10	52	< 10	116
BB 01273	201	202	< 0.01	57	680	6	< 2	6	36	0.05	< 10	< 10	52	< 10	72
BB 01274	201	202	< 0.01	72	890	6	< 2	5	36	0.05	< 10	< 10	50	< 10	106
BB 01275	201	202	< 0.01	64	670	12	< 2	4	33	0.03	< 10	< 10	75	< 10	90
BB 01276	201	202	< 0.01	70	820	8	< 2	3	31	0.04	< 10	< 10	46	< 10	94
BB 01277	201	202	< 0.01	87	720	8	< 2	5	34	0.05	< 10	< 10	58	< 10	130
BB 01278	201	202	< 0.01	36	370	6	< 2	3	14	0.05	< 10	< 10	57	< 10	56
BB 01279	201	202	< 0.01	54	400	8	< 2	4	20	0.04	< 10	< 10	49	< 10	66
BB 01280	201	202	< 0.01	63	500	14	< 2	5	32	0.01	< 10	< 10	55	< 10	108
BB 01281	201	202	0.01	44	1580	14	< 2	1	78	0.03	< 10	< 10	48	< 10	104
BB 06501	201	202	< 0.01	48	1310	6	< 2	9	48	0.14	< 10	< 10	91	< 10	136
BB 06502	201	202	0.01	45	1470	8	< 2	6	37	0.07	< 10	< 10	62	< 10	112
BB 06503	201	202	0.01	42	1330	6	< 2	5	52	0.06	< 10	< 10	62	< 10	102
BB 06504	201	202	< 0.01	75	1650	14	< 2	6	39	0.07	< 10	< 10	151	< 10	382
BB 06505	201	202	< 0.01	84	1280	8	< 2	7	54	0.07	< 10	< 10	75	< 10	190
BB 06506	201	202	0.01	59	1710	10	< 2	6	50	0.05	< 10	< 10	81	< 10	232
BB 06507	201	202	< 0.01	41	890	8	< 2	6	54	0.04	< 10	< 10	76	< 10	114
BB 06508	201	202	< 0.01	116	440	8	< 2	11	44	0.14	< 10	< 10	95	< 10	128
BB 06509	201	202	< 0.01	86	560	6	< 2	10	39	0.08	< 10	< 10	94	< 10	142
BB 06510	201	202	< 0.01	58	370	16	< 2	18	25	0.20	< 10	< 10	147	< 10	128
BB 06511	201	202	< 0.01	77	1280	6	< 2	6	59	0.08	< 10	< 10	65	< 10	158
BB 06512	201	202	< 0.01	229	770	8	< 2	19	49	0.09	< 10	< 10	110	< 10	116
BB 06513	201	202	0.01	85	1180	8	< 2	6	48	0.04	< 10	< 10	61	< 10	262
BB 06514	201	202	0.01	72	1320	12	< 2	8	55	0.02	< 10	< 10	73	< 10	268
BB 06515	201	202	< 0.01	70	810	10	< 2	7	20	0.01	< 10	< 10	96	< 10	314
BB 06516	201	202	< 0.01	93	1430	8	< 2	8	36	0.05	< 10	< 10	71	< 10	238
BB 06517	201	202	< 0.01	71	3130	20	< 2	6	370	0.05	< 10	< 10	162	< 10	242
BB 06518	201	202	< 0.01	63	1880	12	< 2	7	46	0.06	< 10	< 10	107	< 10	138
BB 06519	201	202	< 0.01	99	1060	6	< 2	11	38	0.07	< 10	< 10	114	< 10	138
BB 06520	201	202	< 0.01	88	3880	22	< 2	5	215	0.03	< 10	< 10	121	< 10	502
BB 06521	201	202	< 0.01	71	1380	8	< 2	6	60	0.08	< 10	< 10	65	< 10	154
BB 06522	201	202	< 0.01	71	2140	10	< 2	6	70	0.07	< 10	< 10	70	< 10	152
BB 06523	201	202	< 0.01	20	3650	34	< 2	3	338	0.01	< 10	< 10	112	< 10	70
BB 06524	201	202	0.01	48	2430	16	< 2	4	139	0.01	< 10	< 10	84	< 10	214
BB 06525	201	202	< 0.01	58	1880	16	< 2	4	94	0.02	< 10	< 10	59	< 10	238

CERTIFICATION:

*[Handwritten Signature]*



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

212 Brooksbank Ave., North Vancouver  
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o: EXPATRIATE RESOURCES LTD.  
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 P.O. Number :  
 Account : MPO

Project : POWER PLAY  
 Comments:

## CERTIFICATE OF ANALYSIS A9622864

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 06526	201	202	0.2	1.93	44	390	< 0.5	< 2	0.85	1.5	18	77	69	3.70	< 10	< 1	0.17	20	1.34	580	1
BB 06527	201	202	0.6	1.58	24	420	< 0.5	< 2	0.55	1.5	13	58	62	3.60	< 10	1	0.11	20	1.05	400	3
BB 06528	201	202	< 0.2	1.70	24	560	< 0.5	< 2	0.32	1.0	15	51	66	3.77	< 10	< 1	0.08	30	1.00	395	3
BB 06529	201	202	0.6	1.40	12	480	< 0.5	< 2	0.25	0.5	7	33	41	2.45	< 10	< 1	0.10	10	0.53	230	3
BB 06530	201	202	< 0.2	1.16	22	680	< 0.5	< 2	0.69	0.5	11	37	77	4.12	< 10	< 1	0.11	30	0.62	265	3
BB 06531	201	202	< 0.2	0.78	< 2	1830	< 0.5	< 2	0.24	0.5	8	14	51	1.83	< 10	< 1	0.10	10	0.26	760	< 1
BB 06532	201	202	0.2	0.78	16	1280	< 0.5	< 2	0.42	0.5	25	11	111	2.82	< 10	< 1	0.10	20	0.38	960	1
BB 06533	201	202	0.2	1.25	14	1620	< 0.5	< 2	0.46	1.0	14	31	99	2.85	< 10	< 1	0.13	20	0.66	890	2
BB 06534	201	202	< 0.2	0.61	12	1000	< 0.5	< 2	2.45	0.5	16	13	119	2.31	< 10	< 1	0.08	< 10	0.37	840	2
BB 06535	201	202	0.2	0.90	16	1150	< 0.5	< 2	0.46	1.0	14	27	90	2.45	< 10	< 1	0.11	10	0.47	865	1
BB 06536	201	202	0.2	1.56	16	1490	< 0.5	< 2	0.57	1.5	14	49	91	3.17	< 10	< 1	0.15	10	0.86	630	3
BB 06537	201	202	0.2	1.42	14	940	< 0.5	< 2	0.88	0.5	10	37	66	2.61	< 10	< 1	0.15	10	0.68	340	2
BB 06538	201	202	< 0.2	1.30	< 2	1410	< 0.5	< 2	0.15	< 0.5	8	13	102	1.91	< 10	< 1	0.08	10	0.71	355	< 1
BB 06539	201	202	< 0.2	1.52	20	1200	< 0.5	< 2	0.14	< 0.5	15	24	106	3.06	< 10	< 1	0.09	30	0.63	595	1
BB 06540	201	202	< 0.2	1.34	8	1890	< 0.5	< 2	0.20	0.5	10	21	52	2.56	< 10	< 1	0.10	20	0.45	680	1
BB 06541	201	202	< 0.2	1.22	20	1160	< 0.5	< 2	0.12	0.5	9	28	49	3.27	< 10	< 1	0.11	10	0.55	465	2
BB 06542	201	202	< 0.2	1.28	2	2100	< 0.5	< 2	0.12	0.5	17	15	74	2.59	< 10	< 1	0.06	10	0.69	1360	< 1
BB 06543	201	202	< 0.2	1.41	< 2	1630	< 0.5	< 2	0.06	0.5	14	19	123	2.44	< 10	< 1	0.05	10	0.77	745	< 1
BB 06544	201	202	< 0.2	1.12	8	1470	< 0.5	< 2	0.07	0.5	7	24	52	2.12	< 10	< 1	0.07	10	0.55	535	< 1
BB 06545	201	202	< 0.2	1.58	10	2510	< 0.5	< 2	0.10	0.5	21	21	93	2.53	< 10	< 1	0.12	20	0.53	545	2
BB 06546	201	202	< 0.2	1.62	< 2	1500	< 0.5	< 2	0.03	< 0.5	15	15	52	2.68	< 10	< 1	0.10	30	0.74	490	< 1
BB 06547	201	202	< 0.2	1.55	< 2	1600	< 0.5	< 2	0.17	0.5	15	14	94	2.26	< 10	< 1	0.07	10	0.75	765	< 1
BB 06548	201	202	< 0.2	1.12	< 2	1660	< 0.5	< 2	0.13	0.5	13	15	67	2.24	< 10	< 1	0.09	10	0.44	680	< 1
BB 06549	201	202	< 0.2	1.20	< 2	1070	< 0.5	< 2	0.27	< 0.5	12	14	73	2.08	< 10	< 1	0.05	10	0.72	865	< 1
BB 06550	201	202	< 0.2	1.05	< 2	1020	< 0.5	< 2	0.24	< 0.5	11	14	81	2.06	< 10	< 1	0.06	10	0.65	700	< 1
BB 06551	201	202	< 0.2	0.99	< 2	970	< 0.5	< 2	0.25	< 0.5	13	15	111	1.70	< 10	< 1	0.04	10	0.63	1170	1
BB 06552	201	202	0.2	1.40	2	710	< 0.5	< 2	0.84	< 0.5	12	25	34	2.44	< 10	< 1	0.06	< 10	0.67	1120	1
BB 06553	201	202	< 0.2	1.29	8	530	< 0.5	< 2	0.82	0.5	11	24	48	2.83	< 10	< 1	0.06	10	0.67	675	1
BB 06554	201	202	0.2	1.79	2	490	< 0.5	< 2	0.37	< 0.5	12	33	47	3.68	< 10	< 1	0.07	30	0.87	715	1
BB 06555	201	202	< 0.2	1.48	4	570	< 0.5	< 2	0.56	0.5	12	36	49	2.97	< 10	< 1	0.09	20	0.85	665	< 1
BB 06556	201	202	0.2	1.64	4	430	< 0.5	< 2	0.86	0.5	12	28	41	2.78	< 10	< 1	0.12	20	0.80	1620	1
BB 06557	201	202	0.2	1.26	6	340	< 0.5	< 2	2.00	0.5	9	25	38	2.33	< 10	1	0.09	< 10	0.80	1330	1
BB 06558	201	202	0.2	1.36	2	650	< 0.5	< 2	0.92	0.5	8	25	38	2.49	< 10	< 1	0.08	10	0.72	515	1
BB 06559	201	202	< 0.2	1.24	< 2	580	< 0.5	< 2	1.43	0.5	9	39	40	2.27	< 10	< 1	0.10	10	0.94	370	< 1
BB 06560	201	202	< 0.2	1.13	2	710	< 0.5	< 2	0.45	< 0.5	8	30	28	2.21	< 10	< 1	0.05	10	0.71	445	1
BB 13930	201	202	0.2	1.17	10	390	< 0.5	< 2	0.63	0.5	8	31	27	2.30	< 10	< 1	0.11	10	0.54	425	3
BB 13931	201	202	< 0.2	1.27	12	440	< 0.5	< 2	0.64	0.5	9	33	43	2.72	< 10	< 1	0.12	10	0.54	345	4
BB 13932	201	202	0.2	1.38	10	500	< 0.5	< 2	0.65	0.5	10	39	45	2.70	< 10	< 1	0.14	10	0.62	360	4
BB 13933	201	202	0.2	1.36	10	460	< 0.5	< 2	0.68	0.5	11	44	26	2.84	< 10	< 1	0.11	10	0.77	445	3
BB 13934	201	202	0.2	1.16	2	350	< 0.5	< 2	0.60	< 0.5	10	62	21	2.45	< 10	< 1	0.09	10	0.87	265	1

CERTIFICATION: \_\_\_\_\_



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1016 - 510 W. HASTINGS ST.  
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Project : POWER PLAY  
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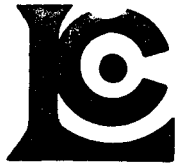
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Certificate Date: 11-JUL-96  
Invoice No. : I9622864  
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## CERTIFICATE OF ANALYSIS A9622864

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 06526	201 202	< 0.01	68	1530	8	< 2	7	52	0.07	< 10	< 10	66	< 10	120
BB 06527	201 202	< 0.01	59	1880	12	< 2	5	62	0.05	< 10	< 10	70	< 10	226
BB 06528	201 202	< 0.01	54	1400	10	2	5	38	0.05	< 10	< 10	64	< 10	200
BB 06529	201 202	0.03	31	1210	8	< 2	2	30	0.01	< 10	< 10	54	< 10	128
BB 06530	201 202	< 0.01	54	2420	8	2	5	50	0.03	< 10	< 10	50	< 10	162
BB 06531	201 202	0.02	27	370	12	< 2	1	33	< 0.01	< 10	< 10	22	< 10	74
BB 06532	201 202	< 0.01	72	570	16	< 2	3	44	< 0.01	< 10	< 10	15	< 10	112
BB 06533	201 202	< 0.01	54	950	20	< 2	4	59	0.01	< 10	< 10	42	< 10	126
BB 06534	201 202	< 0.01	48	840	16	< 2	3	62	< 0.01	< 10	< 10	19	< 10	106
BB 06535	201 202	< 0.01	55	910	12	< 2	4	43	0.01	< 10	< 10	31	< 10	136
BB 06536	201 202	< 0.01	65	1460	12	8	5	52	0.03	< 10	< 10	60	< 10	142
BB 06537	201 202	0.05	48	1030	8	2	4	64	0.02	< 10	< 10	57	< 10	142
BB 06538	201 202	< 0.01	40	180	10	< 2	1	20	< 0.01	< 10	< 10	10	< 10	64
BB 06539	201 202	< 0.01	50	350	16	< 2	3	21	< 0.01	< 10	< 10	30	< 10	100
BB 06540	201 202	< 0.01	24	390	18	< 2	2	20	< 0.01	< 10	< 10	34	< 10	72
BB 06541	201 202	< 0.01	34	770	12	< 2	2	16	0.01	< 10	< 10	44	< 10	110
BB 06542	201 202	< 0.01	42	260	12	< 2	1	17	< 0.01	< 10	< 10	12	< 10	96
BB 06543	201 202	< 0.01	45	180	10	< 2	1	11	< 0.01	< 10	< 10	15	< 10	88
BB 06544	201 202	< 0.01	30	290	6	< 2	1	12	< 0.01	< 10	< 10	24	< 10	62
BB 06545	201 202	< 0.01	38	370	16	< 2	1	18	< 0.01	< 10	< 10	26	< 10	94
BB 06546	201 202	< 0.01	47	290	12	< 2	1	14	< 0.01	< 10	< 10	13	< 10	80
BB 06547	201 202	< 0.01	44	200	16	< 2	1	25	< 0.01	< 10	< 10	12	< 10	80
BB 06548	201 202	< 0.01	36	210	10	< 2	1	24	< 0.01	< 10	< 10	16	< 10	66
BB 06549	201 202	< 0.01	40	170	18	< 2	1	24	< 0.01	< 10	< 10	10	< 10	76
BB 06550	201 202	< 0.01	40	270	14	< 2	1	24	< 0.01	< 10	< 10	11	< 10	76
BB 06551	201 202	< 0.01	42	200	14	< 2	1	23	< 0.01	< 10	< 10	8	< 10	64
BB 06552	201 202	0.01	28	770	14	< 2	3	67	< 0.01	< 10	< 10	21	< 10	86
BB 06553	201 202	< 0.01	36	760	16	< 2	2	65	< 0.01	< 10	< 10	17	< 10	126
BB 06554	201 202	< 0.01	43	760	18	< 2	4	28	0.01	< 10	< 10	25	< 10	126
BB 06555	201 202	< 0.01	51	850	20	< 2	3	38	0.02	< 10	< 10	31	< 10	118
BB 06556	201 202	0.01	39	710	16	< 2	3	61	0.01	< 10	< 10	26	< 10	130
BB 06557	201 202	0.01	34	800	12	< 2	2	143	< 0.01	< 10	< 10	16	< 10	154
BB 06558	201 202	0.01	34	820	14	< 2	2	67	0.01	< 10	< 10	23	< 10	128
BB 06559	201 202	0.01	45	1010	14	< 2	3	80	0.03	< 10	< 10	29	< 10	104
BB 06560	201 202	< 0.01	33	1110	12	< 2	2	35	0.02	< 10	< 10	24	< 10	84
BB 13930	201 202	< 0.01	24	1470	14	< 2	3	38	0.02	< 10	< 10	45	< 10	94
BB 13931	201 202	< 0.01	29	1580	20	< 2	4	44	0.01	< 10	< 10	49	< 10	132
BB 13932	201 202	< 0.01	37	1540	14	< 2	5	43	0.03	< 10	< 10	58	< 10	132
BB 13933	201 202	< 0.01	39	1330	16	2	5	44	0.04	< 10	< 10	55	< 10	118
BB 13934	201 202	< 0.01	50	1190	10	< 2	4	37	0.04	< 10	< 10	49	< 10	98

CERTIFICATION:

*Hart Buchler*



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## CERTIFICATE OF ANALYSIS A9622864

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 13935	201	202	< 0.2	1.04	8	340	< 0.5	< 2	0.58	< 0.5	8	60	13	2.02	< 10	< 1	0.09	10	0.78	270	1
BB 13936	201	202	< 0.2	1.45	8	500	< 0.5	< 2	0.68	< 0.5	10	49	21	2.68	< 10	< 1	0.10	10	0.81	485	1
BB 13937	201	202	0.2	1.53	6	450	< 0.5	< 2	0.79	0.5	9	44	28	2.87	< 10	< 1	0.14	10	0.78	330	2
BB 13938	201	202	0.6	1.58	8	620	< 0.5	< 2	0.86	1.0	11	43	41	2.84	< 10	< 1	0.10	10	0.64	450	3
BB 13939	201	202	0.2	1.73	6	500	0.5	< 2	0.89	0.5	9	43	27	3.05	< 10	< 1	0.08	10	0.56	295	1
BB 13940	201	202	0.4	1.83	10	640	0.5	< 2	0.90	1.0	12	45	54	3.60	< 10	< 1	0.18	10	0.69	255	4
BB 13941	201	202	0.6	1.51	10	640	< 0.5	< 2	1.08	1.0	9	46	30	2.42	< 10	< 1	0.16	10	0.71	285	2
BB 13942	201	202	0.2	1.55	6	470	< 0.5	< 2	0.95	0.5	7	48	29	2.23	< 10	< 1	0.13	10	0.75	270	1
BB 13943	201	202	0.2	1.48	2	480	< 0.5	< 2	0.79	0.5	7	40	20	2.38	< 10	< 1	0.13	10	0.65	380	1
BB 13944	201	202	0.2	1.48	10	610	< 0.5	< 2	0.63	0.5	10	60	47	2.79	< 10	< 1	0.15	10	0.93	280	2
BB 13945	201	202	0.2	1.37	10	570	< 0.5	< 2	0.70	0.5	10	53	36	2.74	< 10	< 1	0.14	10	0.73	240	1
BB 13946	201	202	< 0.2	1.41	12	610	< 0.5	< 2	0.78	< 0.5	14	60	23	2.96	< 10	< 1	0.12	10	0.87	295	2
BB 13947	201	202	0.2	1.46	8	530	< 0.5	< 2	0.82	0.5	8	50	38	2.59	< 10	< 1	0.12	10	0.79	235	< 1
BB 13948	201	202	0.4	1.81	2	500	0.5	< 2	1.10	0.5	14	44	41	3.15	< 10	< 1	0.07	10	0.68	340	1
BB 13949	201	202	< 0.2	1.65	6	440	< 0.5	< 2	0.56	< 0.5	9	39	22	2.77	< 10	< 1	0.12	10	0.71	270	1
BB 13950	201	202	0.2	1.95	6	540	0.5	< 2	0.89	0.5	14	47	37	3.52	< 10	< 1	0.11	10	0.81	415	2
BB 13951	201	202	0.2	1.49	6	600	< 0.5	< 2	0.50	0.5	12	46	16	2.44	< 10	< 1	0.11	10	0.80	350	1
BB 13952	201	202	0.2	1.45	10	540	< 0.5	< 2	0.81	0.5	10	49	31	2.54	< 10	< 1	0.16	10	0.78	400	1
BB 13953	201	202	0.2	1.32	8	570	< 0.5	< 2	1.16	1.0	11	60	43	2.43	< 10	< 1	0.19	10	1.05	355	1
BB 13954	201	202	0.6	1.35	2	390	< 0.5	< 2	0.84	1.0	9	40	68	2.42	< 10	< 1	0.11	10	0.77	200	1
BB 13955	201	202	0.2	2.22	8	670	0.5	< 2	0.89	0.5	15	55	33	3.77	< 10	< 1	0.12	10	1.03	560	< 1
BB 13956	201	202	0.2	2.15	< 2	550	0.5	< 2	0.95	0.5	21	51	23	4.18	< 10	< 1	0.10	10	0.77	495	1
BB 13957	201	202	0.2	1.64	10	600	0.5	< 2	0.70	0.5	13	37	41	3.17	< 10	< 1	0.11	10	0.69	495	1
BB 13958	201	202	< 0.2	1.50	4	720	< 0.5	< 2	0.22	0.5	11	73	10	2.49	< 10	< 1	0.06	10	0.78	360	1
BB 13959	201	202	0.2	1.19	4	730	< 0.5	< 2	0.64	0.5	12	75	29	2.24	< 10	< 1	0.04	10	0.95	440	1
BB 13960	201	202	0.2	1.26	10	1400	< 0.5	< 2	0.63	0.5	17	86	24	2.51	< 10	< 1	0.04	< 10	0.93	940	< 1
BB 13961	201	202	< 0.2	1.14	6	740	< 0.5	< 2	0.65	0.5	12	78	31	2.37	< 10	< 1	0.09	10	1.05	285	1
BB 13962	201	202	< 0.2	1.01	2	340	< 0.5	< 2	0.52	< 0.5	11	73	7	1.84	< 10	< 1	0.05	< 10	0.63	350	< 1
BB 13963	201	202	0.2	1.14	14	590	< 0.5	< 2	0.95	0.5	13	79	31	2.26	< 10	< 1	0.07	10	1.00	370	1
BB 13964	201	202	< 0.2	1.20	2	450	< 0.5	< 2	0.72	0.5	8	72	28	1.88	< 10	< 1	0.08	10	0.95	180	1
BB 13965	201	202	0.2	1.33	4	770	< 0.5	< 2	0.69	0.5	12	77	27	2.38	< 10	< 1	0.11	10	1.20	340	1
BB 13966	201	202	< 0.2	1.55	4	1220	0.5	< 2	0.37	0.5	16	151	21	2.94	< 10	< 1	0.06	10	1.54	430	< 1
BB 13967	201	202	0.2	1.36	8	900	< 0.5	< 2	0.76	0.5	15	104	42	2.64	< 10	< 1	0.10	10	1.64	545	1
BB 13968	201	202	< 0.2	1.30	2	400	< 0.5	< 2	0.41	0.5	17	174	15	2.99	< 10	< 1	0.12	< 10	1.72	575	1
BB 13969	201	202	< 0.2	1.72	2	890	< 0.5	< 2	0.53	0.5	14	128	19	2.83	< 10	< 1	0.07	10	1.44	340	< 1
BB 13970	201	202	< 0.2	1.52	8	440	< 0.5	< 2	0.60	0.5	14	97	33	2.80	< 10	< 1	0.14	10	1.43	475	1
BB 13971	201	202	< 0.2	1.26	6	560	< 0.5	< 2	0.41	< 0.5	21	189	31	3.19	< 10	< 1	0.09	10	3.13	490	< 1
BB 13972	201	202	0.2	1.40	6	1300	< 0.5	< 2	0.60	0.5	15	109	40	2.71	< 10	< 1	0.11	10	1.85	425	< 1
BB 13973	201	202	< 0.2	1.42	8	510	< 0.5	< 2	0.48	0.5	11	91	10	2.78	< 10	< 1	0.09	10	0.92	240	1
BB 13974	201	202	< 0.2	1.18	2	650	< 0.5	< 2	0.78	0.5	11	99	27	2.10	< 10	< 1	0.09	10	1.20	245	< 1

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

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

Page Number : 4-B  
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 Certificate Date: 11-JUL-96  
 Invoice No. : I9622864  
 P.O. Number :  
 Account : MPO

Project : POWER PLAY  
 Comments:

## CERTIFICATE OF ANALYSIS A9622864

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 13935	201	202	< 0.01	36	1260	8	< 2	3	37	0.04	< 10	< 10	45	< 10	98
BB 13936	201	202	0.01	36	1220	10	< 2	5	38	0.03	< 10	< 10	49	< 10	100
BB 13937	201	202	0.01	32	1360	14	< 2	5	51	0.04	< 10	< 10	59	< 10	130
BB 13938	201	202	< 0.01	36	1320	12	2	6	47	0.05	< 10	< 10	55	< 10	114
BB 13939	201	202	0.01	27	1290	10	2	6	50	0.06	< 10	< 10	48	< 10	110
BB 13940	201	202	< 0.01	45	1680	14	< 2	7	58	0.05	< 10	< 10	66	< 10	156
BB 13941	201	202	0.01	34	1370	12	< 2	5	56	0.04	< 10	< 10	64	< 10	110
BB 13942	201	202	0.01	30	1150	12	< 2	5	52	0.04	< 10	< 10	55	< 10	100
BB 13943	201	202	0.03	30	1030	12	< 2	4	44	0.03	< 10	< 10	47	< 10	94
BB 13944	201	202	< 0.01	66	1110	10	< 2	7	39	0.03	< 10	< 10	57	< 10	130
BB 13945	201	202	< 0.01	56	1060	12	< 2	6	42	0.03	< 10	< 10	53	< 10	112
BB 13946	201	202	< 0.01	44	1160	14	< 2	5	41	0.03	< 10	< 10	59	< 10	116
BB 13947	201	202	< 0.01	41	970	12	< 2	6	45	0.04	< 10	< 10	55	< 10	104
BB 13948	201	202	0.01	36	1450	8	< 2	7	57	0.07	< 10	< 10	47	< 10	102
BB 13949	201	202	< 0.01	32	1090	8	< 2	5	38	0.05	< 10	< 10	45	< 10	120
BB 13950	201	202	0.01	42	1360	8	< 2	7	56	0.06	< 10	< 10	56	< 10	112
BB 13951	201	202	0.01	52	710	12	< 2	7	26	0.03	< 10	< 10	52	< 10	112
BB 13952	201	202	0.01	46	1030	14	< 2	5	41	0.03	< 10	< 10	56	< 10	120
BB 13953	201	202	0.01	69	1190	12	< 2	5	49	0.02	< 10	< 10	61	< 10	138
BB 13954	201	202	0.02	52	1420	12	< 2	6	46	0.06	< 10	< 10	49	< 10	116
BB 13955	201	202	0.02	43	1070	8	< 2	8	52	0.08	< 10	< 10	62	< 10	110
BB 13956	201	202	0.01	40	1140	8	2	9	56	0.08	< 10	< 10	60	< 10	100
BB 13957	201	202	0.01	52	1140	14	< 2	6	45	0.03	< 10	< 10	50	< 10	130
BB 13958	201	202	< 0.01	44	410	12	< 2	3	13	0.02	< 10	< 10	57	< 10	88
BB 13959	201	202	< 0.01	77	490	12	< 2	4	28	0.01	< 10	< 10	38	< 10	90
BB 13960	201	202	< 0.01	90	280	14	< 2	4	26	0.02	< 10	< 10	52	< 10	56
BB 13961	201	202	< 0.01	85	1110	8	< 2	5	40	0.04	< 10	< 10	48	< 10	186
BB 13962	201	202	< 0.01	35	260	8	< 2	3	19	0.06	< 10	< 10	46	< 10	60
BB 13963	201	202	< 0.01	62	940	12	< 2	6	43	0.05	< 10	< 10	51	< 10	100
BB 13964	201	202	< 0.01	46	980	10	< 2	5	42	0.05	< 10	< 10	57	< 10	86
BB 13965	201	202	0.02	82	840	8	< 2	5	38	0.04	< 10	< 10	50	< 10	86
BB 13966	201	202	< 0.01	120	240	10	< 2	7	20	0.03	< 10	< 10	58	< 10	60
BB 13967	201	202	0.01	145	890	10	< 2	6	41	0.06	< 10	< 10	55	< 10	84
BB 13968	201	202	< 0.01	94	640	8	< 2	4	19	0.06	< 10	< 10	67	< 10	144
BB 13969	201	202	0.01	111	280	12	< 2	5	23	0.04	< 10	< 10	57	< 10	72
BB 13970	201	202	0.01	100	550	12	< 2	5	31	0.03	< 10	< 10	49	< 10	122
BB 13971	201	202	< 0.01	237	410	10	< 2	6	21	0.03	< 10	< 10	46	< 10	80
BB 13972	201	202	0.01	163	800	10	< 2	6	38	0.04	< 10	< 10	53	< 10	88
BB 13973	201	202	< 0.01	59	470	10	< 2	3	22	0.06	< 10	< 10	66	< 10	88
BB 13974	201	202	< 0.01	80	1080	8	< 2	5	40	0.06	< 10	< 10	53	< 10	98

CERTIFICATION: \_\_\_\_\_

*Handwritten signature*



# 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

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

Project: POWER PLAY  
 Comments:

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 Total Pages: 5  
 Certificate Date: 11-JUL-96  
 Invoice No.: I9622864  
 P.O. Number:  
 Account: MPO

## CERTIFICATE OF ANALYSIS A9622864

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 13975	201	202	0.2	1.09	6	890	< 0.5	< 2	0.59	0.5	14	82	26	2.40	< 10	< 1	0.08	10	1.13	270	1
BB 13976	201	202	< 0.2	0.89	2	390	< 0.5	< 2	0.58	0.5	9	65	11	1.82	< 10	< 1	0.06	< 10	0.98	195	1
BB 13977	201	202	0.2	0.84	4	360	< 0.5	< 2	0.57	0.5	9	49	25	2.06	< 10	< 1	0.05	< 10	0.72	285	2
BB 13978	201	202	0.4	1.04	2	440	< 0.5	< 2	0.68	0.5	8	56	43	2.23	< 10	< 1	0.07	10	0.83	210	1
BB 13979	201	202	0.2	1.02	8	390	< 0.5	< 2	0.56	0.5	11	80	29	2.14	< 10	< 1	0.07	10	0.98	155	1
BB 13980	201	202	0.2	1.00	< 2	380	< 0.5	< 2	0.74	0.5	10	82	16	1.81	< 10	< 1	0.09	10	0.93	250	< 1
BB 13981	201	202	< 0.2	1.67	6	870	< 0.5	< 2	0.33	0.5	11	75	17	2.49	< 10	1	0.11	10	0.87	290	1
BB 13982	201	202	< 0.2	1.80	8	1070	0.5	< 2	0.42	0.5	10	48	22	2.61	< 10	< 1	0.16	10	0.64	330	1
BB 13983	201	202	< 0.2	1.25	6	650	< 0.5	< 2	0.41	0.5	10	70	21	1.94	< 10	< 1	0.10	10	0.78	355	1
BB 13984	201	202	< 0.2	1.47	8	840	< 0.5	< 2	0.34	0.5	9	59	9	2.33	< 10	< 1	0.10	10	0.64	260	1
BB 13985	201	202	0.2	1.08	12	350	< 0.5	< 2	0.58	< 0.5	11	70	20	2.32	< 10	< 1	0.10	10	1.00	385	1
BB 13986	201	202	< 0.2	1.34	8	790	< 0.5	< 2	0.71	< 0.5	13	72	41	2.48	< 10	< 1	0.09	10	1.07	610	1
BB 13987	201	202	< 0.2	1.21	8	610	< 0.5	< 2	0.53	0.5	14	128	27	2.74	< 10	< 1	0.10	10	1.59	430	< 1
BB 13988	201	202	< 0.2	2.06	8	1050	0.5	< 2	0.51	0.5	14	101	43	3.37	< 10	< 1	0.16	20	1.00	475	1
BB 13989	201	202	< 0.2	1.25	8	610	< 0.5	< 2	0.35	0.5	10	68	24	2.56	< 10	< 1	0.14	10	1.38	315	2
BB 13990	201	202	0.2	1.44	10	1450	< 0.5	< 2	0.53	1.0	19	111	57	2.91	< 10	< 1	0.16	10	2.39	665	< 1
BB 13991	201	202	< 0.2	1.30	< 2	490	< 0.5	< 2	0.49	< 0.5	7	69	14	2.13	< 10	< 1	0.10	10	0.85	185	< 1
BB 13992	201	202	< 0.2	1.67	2	990	< 0.5	< 2	0.48	0.5	15	76	31	2.89	< 10	< 1	0.11	10	0.99	865	1

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

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

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 Certificate Date: 11-JUL-96  
 Invoice No. : 19622864  
 P.O. Number :  
 Account : MPO

Project : POWER PLAY  
 Comments:

<b>CERTIFICATE OF ANALYSIS</b>	<b>A9622864</b>
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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 13975	201	202	< 0.01	87	1060	8	< 2	5	36	0.04	< 10	< 10	48	< 10	96
BB 13976	201	202	0.01	53	900	8	< 2	4	34	0.04	< 10	< 10	38	< 10	98
BB 13977	201	202	0.01	47	940	8	< 2	3	33	0.03	< 10	< 10	33	< 10	84
BB 13978	201	202	< 0.01	62	720	10	< 2	5	38	0.03	< 10	< 10	39	< 10	108
BB 13979	201	202	< 0.01	57	610	8	< 2	4	32	0.04	< 10	< 10	45	< 10	86
BB 13980	201	202	0.01	57	1020	6	< 2	3	38	0.05	< 10	< 10	43	< 10	110
BB 13981	201	202	< 0.01	65	590	10	< 2	3	23	0.04	< 10	< 10	61	< 10	106
BB 13982	201	202	0.01	49	440	12	< 2	4	26	0.01	< 10	< 10	61	< 10	100
BB 13983	201	202	< 0.01	51	760	8	< 2	3	27	0.03	< 10	< 10	52	< 10	120
BB 13984	201	202	< 0.01	32	600	12	< 2	3	20	0.04	< 10	< 10	63	< 10	100
BB 13985	201	202	0.01	68	840	10	< 2	4	38	0.03	< 10	< 10	46	< 10	122
BB 13986	201	202	< 0.01	82	980	10	< 2	5	37	0.04	< 10	< 10	51	< 10	102
BB 13987	201	202	< 0.01	106	790	12	< 2	4	28	0.06	< 10	< 10	58	< 10	96
BB 13988	201	202	< 0.01	121	400	14	< 2	6	32	0.03	< 10	< 10	66	< 10	124
BB 13989	201	202	< 0.01	103	900	8	< 2	3	25	0.01	< 10	< 10	47	< 10	100
BB 13990	201	202	< 0.01	272	830	12	< 2	6	39	0.02	< 10	< 10	55	< 10	108
BB 13991	201	202	< 0.01	43	640	12	< 2	4	26	0.04	< 10	< 10	45	< 10	44
BB 13992	201	202	< 0.01	87	440	12	< 2	6	30	0.03	< 10	< 10	55	< 10	130

CERTIFICATION:

*H. Beckler*



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

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

Project : POWERPLAY  
 Comments:

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 Total Pages : 1  
 Certificate Date: 06-JUL-96  
 Invoice No. : 19622580  
 P.O. Number :  
 Account : MPO

## CERTIFICATE OF ANALYSIS

A9622580

SAMPLE	PREP		Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo
	CODE		ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
BB13511	202	202	< 0.2	1.16	10	170	< 0.5	< 2	0.05	< 0.5	5	21	13	2.45	< 10	< 1	0.10	10	0.26	285	< 1
BB13512	202	202	< 0.2	1.17	8	170	< 0.5	< 2	0.05	< 0.5	3	15	12	2.15	< 10	< 1	0.09	10	0.22	210	1
BB13513	202	202	< 0.2	1.04	12	110	< 0.5	< 2	0.04	< 0.5	4	17	10	2.45	< 10	< 1	0.06	10	0.21	285	1
BB13514	202	202	< 0.2	0.13	< 2	10	< 0.5	< 2	0.03	< 0.5	1	1	3	0.51	< 10	< 1	0.03	< 10	0.03	25	< 1
BB13515	202	202	< 0.2	0.41	< 2	30	< 0.5	< 2	0.15	< 0.5	2	2	11	0.85	< 10	< 1	0.03	< 10	0.07	45	< 1
BB13516	202	202	< 0.2	0.30	< 2	50	< 0.5	< 2	0.03	< 0.5	1	3	3	0.42	< 10	< 1	0.03	< 10	0.04	35	< 1
BB13518	202	202	< 0.2	0.31	< 2	90	< 0.5	< 2	0.05	< 0.5	1	3	3	0.46	< 10	< 1	0.05	< 10	0.06	135	< 1
BB13519	202	202	0.2	1.09	10	520	0.5	< 2	0.28	< 0.5	4	19	28	2.00	< 10	< 1	0.11	20	0.31	390	1
BB13520	202	202	0.2	0.49	< 2	140	< 0.5	< 2	0.07	< 0.5	1	7	9	0.69	< 10	< 1	0.05	< 10	0.14	70	< 1
BB13521	202	202	< 0.2	0.63	< 2	420	< 0.5	< 2	0.12	< 0.5	3	9	15	0.82	< 10	< 1	0.05	10	0.15	470	< 1
BB13522	202	202	< 0.2	0.30	2	70	< 0.5	< 2	0.04	< 0.5	1	3	5	0.55	< 10	< 1	0.05	< 10	0.06	90	< 1
BB13523	202	202	< 0.2	0.21	< 2	10	< 0.5	< 2	0.07	< 0.5	1	1	5	0.61	< 10	< 1	0.02	< 10	0.04	50	< 1
BB13524	202	202	0.2	1.78	10	610	1.0	< 2	0.18	< 0.5	13	26	31	2.59	< 10	< 1	0.15	40	0.41	2530	4
BB13525	202	202	< 0.2	1.30	14	210	1.0	< 2	0.05	< 0.5	8	12	20	2.26	< 10	< 1	0.16	40	0.28	1505	1
BB13526	202	202	< 0.2	0.78	14	120	< 0.5	< 2	0.04	< 0.5	4	16	12	2.00	< 10	< 1	0.07	10	0.11	230	1
BB13527	202	202	< 0.2	1.95	8	460	0.5	< 2	0.10	< 0.5	11	46	29	3.40	< 10	< 1	0.11	20	0.82	795	1
BB13528	202	202	< 0.2	1.37	18	200	0.5	< 2	0.08	< 0.5	9	34	19	3.96	< 10	< 1	0.13	10	0.45	1125	1
BB13529	202	202	< 0.2	1.00	6	220	0.5	< 2	0.28	< 0.5	4	12	17	1.60	< 10	< 1	0.08	20	0.21	480	< 1
BB13530	202	202	< 0.2	0.98	22	340	2.0	8	0.08	< 0.5	9	7	22	3.85	< 10	< 1	0.27	80	0.26	1695	< 1
BB13531	202	202	< 0.2	1.23	10	180	0.5	< 2	0.07	0.5	6	26	20	2.75	< 10	< 1	0.09	10	0.28	390	1
BB13532	202	202	< 0.2	1.25	8	260	0.5	< 2	0.07	0.5	4	33	21	2.34	< 10	< 1	0.08	10	0.22	355	1
BB13533	202	202	< 0.2	1.69	8	500	0.5	< 2	0.36	< 0.5	8	48	18	3.42	< 10	< 1	0.11	20	0.76	530	1
BB13534	202	202	< 0.2	1.50	10	290	0.5	< 2	0.11	< 0.5	6	33	44	2.75	< 10	< 1	0.10	10	0.49	580	< 1
BB13535	202	202	< 0.2	0.81	< 2	220	< 0.5	< 2	0.32	< 0.5	7	14	19	1.91	< 10	< 1	0.05	< 10	0.31	515	< 1
BB13536	202	202	0.2	1.92	12	430	0.5	< 2	0.15	0.5	13	34	39	3.61	< 10	< 1	0.08	10	0.55	1020	1
BB13537	202	202	< 0.2	0.79	2	180	< 0.5	< 2	0.11	< 0.5	7	15	9	1.72	< 10	< 1	0.08	< 10	0.25	820	< 1
BB13538	202	202	0.2	1.60	10	290	1.0	< 2	0.14	0.5	18	34	31	3.33	< 10	< 1	0.11	10	0.43	1810	1
BB13539	202	202	< 0.2	1.78	10	470	< 0.5	< 2	0.41	< 0.5	15	80	36	3.44	< 10	< 1	0.13	10	1.19	530	1

CERTIFICATION:

*Hart Bickler*



# 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

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

Page : er :1-B  
 Total Pages :1  
 Certificate Date: 06-JUL-96  
 Invoice No. : I9622580  
 P.O. Number :  
 Account : MPO

Project : POWERPLAY  
 Comments:

## CERTIFICATE OF ANALYSIS A9622580

SAMPLE	PREP	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB13511	202 202	< 0.01	15	320	22	< 2	1	7	0.03	< 10	< 10	40	< 10	60
BB13512	202 202	< 0.01	11	170	28	< 2	1	6	0.02	< 10	< 10	32	< 10	44
BB13513	202 202	< 0.01	12	200	26	< 2	1	6	0.03	< 10	< 10	39	< 10	48
BB13514	202 202	0.09	< 1	140	2	< 2	< 1	4	0.02	< 10	< 10	17	< 10	8
BB13515	202 202	0.09	4	590	< 2	< 2	< 1	8	0.04	< 10	< 10	28	< 10	10
BB13516	202 202	0.05	1	200	4	< 2	< 1	4	0.01	< 10	< 10	15	< 10	8
BB13518	202 202	0.08	2	200	4	< 2	< 1	5	0.01	< 10	< 10	9	< 10	10
BB13519	202 202	< 0.01	16	410	18	< 2	1	15	0.01	< 10	< 10	29	< 10	64
BB13520	202 202	0.06	6	430	6	< 2	< 1	6	0.01	< 10	< 10	12	< 10	20
BB13521	202 202	0.06	9	570	8	< 2	< 1	13	< 0.01	< 10	< 10	11	< 10	20
BB13522	202 202	0.05	3	260	4	< 2	< 1	4	< 0.01	< 10	< 10	10	< 10	12
BB13523	202 202	0.05	1	250	< 2	< 2	< 1	7	0.02	< 10	< 10	21	< 10	10
BB13524	202 202	0.01	23	1090	44	< 2	1	18	< 0.01	< 10	< 10	30	< 10	72
BB13525	202 202	0.01	13	480	56	< 2	1	7	0.01	< 10	< 10	14	< 10	78
BB13526	202 202	< 0.01	12	240	20	< 2	1	5	0.03	< 10	< 10	46	< 10	42
BB13527	202 202	< 0.01	41	540	32	< 2	3	10	0.01	< 10	< 10	36	< 10	68
BB13528	202 202	< 0.01	24	650	14	< 2	1	8	0.02	< 10	< 10	36	< 10	66
BB13529	202 202	0.06	10	850	26	< 2	< 1	14	0.01	< 10	< 10	18	< 10	38
BB13530	202 202	< 0.01	9	1320	30	< 2	< 1	7	< 0.01	< 10	< 10	4	< 10	48
BB13531	202 202	< 0.01	22	640	30	< 2	< 1	7	0.01	< 10	< 10	48	< 10	80
BB13532	202 202	< 0.01	17	1550	24	< 2	< 1	7	< 0.01	< 10	< 10	43	< 10	64
BB13533	202 202	< 0.01	27	650	24	< 2	2	17	0.03	< 10	< 10	44	< 10	72
BB13534	202 202	< 0.01	22	830	16	< 2	1	8	0.01	< 10	< 10	41	< 10	82
BB13535	202 202	0.03	11	780	8	< 2	< 1	11	0.03	< 10	< 10	44	< 10	62
BB13536	202 202	< 0.01	22	810	30	< 2	2	14	0.04	< 10	< 10	69	< 10	112
BB13537	202 202	0.04	9	560	10	< 2	< 1	8	0.04	< 10	< 10	40	< 10	56
BB13538	202 202	0.01	22	890	114	< 2	2	14	0.06	< 10	< 10	64	< 10	152
BB13539	202 202	< 0.01	57	700	8	< 2	5	27	0.06	< 10	< 10	68	< 10	102

CERTIFICATION: *Handwritten Signature*



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 Certificate Date: 03-JUL-96  
 Invoice No. : I9622326  
 P.O. Number :  
 Account : MPO

Project : POWER PLAY  
 Comments:

## CERTIFICATE OF ANALYSIS A9622326

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 01001	201	202	0.2	1.26	10	420	< 0.5	< 2	0.53	< 0.5	11	66	18	2.23	< 10	< 1	0.12	10	1.15	410	< 1
BB 01002	201	202	0.2	1.32	6	720	< 0.5	< 2	0.71	< 0.5	12	77	44	2.09	< 10	< 1	0.11	10	1.19	460	< 1
BB 01003	201	202	0.2	1.43	12	450	< 0.5	< 2	0.52	0.5	15	75	24	2.78	< 10	< 1	0.15	10	1.09	290	< 1
BB 01007	201	202	0.4	1.53	12	550	< 0.5	< 2	0.84	0.5	13	60	39	2.72	< 10	1	0.14	10	1.07	435	1
BB 01009	201	202	0.4	1.17	12	480	< 0.5	< 2	0.82	0.5	12	61	32	2.49	< 10	< 1	0.13	10	0.85	370	3
BB 01010	201	202	0.2	1.11	12	450	< 0.5	< 2	0.70	0.5	7	49	31	2.02	< 10	< 1	0.10	10	0.81	145	< 1
BB 01011	201	202	0.2	1.32	12	640	< 0.5	< 2	0.84	< 0.5	13	69	24	2.82	< 10	< 1	0.11	< 10	1.01	390	1
BB 01012	201	202	0.2	1.64	14	620	< 0.5	< 2	0.87	0.5	17	76	49	3.35	< 10	< 1	0.14	10	1.11	725	1
BB 01013	201	202	< 0.2	1.09	10	560	< 0.5	< 2	0.51	< 0.5	12	61	27	2.37	< 10	< 1	0.12	10	1.03	205	1
BB 01014	201	202	0.2	1.31	12	500	< 0.5	< 2	0.57	< 0.5	11	43	27	2.59	< 10	< 1	0.15	10	0.70	410	2
BB 01015	201	202	0.2	1.54	10	770	< 0.5	< 2	0.67	0.5	16	64	42	2.74	< 10	< 1	0.17	10	0.98	600	1
BB 01016	201	202	< 0.2	1.37	10	360	< 0.5	< 2	0.95	2.0	7	54	20	2.20	< 10	< 1	0.14	10	1.07	210	< 1
BB 01017	201	202	0.2	1.29	10	470	< 0.5	< 2	0.87	0.5	7	34	14	2.27	< 10	< 1	0.12	10	0.76	255	2
BB 01018	201	202	0.2	1.13	14	550	< 0.5	< 2	0.56	4.0	12	62	30	2.67	< 10	< 1	0.11	10	1.25	335	2
BB 01019	201	202	0.2	1.24	8	400	< 0.5	< 2	0.51	< 0.5	13	70	22	2.53	< 10	< 1	0.11	10	1.25	250	< 1
BB 01021	201	202	< 0.2	1.10	8	370	< 0.5	< 2	0.33	< 0.5	14	80	20	2.55	< 10	< 1	0.09	10	1.22	345	< 1
BB 01022	201	202	0.6	1.41	8	850	0.5	< 2	0.70	0.5	16	66	65	2.57	< 10	< 1	0.10	10	1.18	705	< 1
BB 01023	201	202	< 0.2	1.21	2	650	< 0.5	< 2	0.53	< 0.5	13	65	16	1.76	< 10	< 1	0.11	10	0.83	430	< 1
BB 01024	201	202	0.4	1.22	8	440	< 0.5	< 2	0.55	0.5	16	72	20	2.32	< 10	< 1	0.10	10	1.08	395	< 1
BB 01025	201	202	0.2	1.19	10	470	< 0.5	< 2	0.68	0.5	12	59	19	2.32	< 10	< 1	0.10	10	1.09	455	2
BB 01026	201	202	0.4	1.18	12	530	< 0.5	< 2	0.84	5.0	9	44	28	2.14	< 10	< 1	0.13	10	0.82	260	1
BB 01027	201	202	0.2	1.44	10	470	< 0.5	< 2	0.68	2.0	10	56	28	2.60	< 10	< 1	0.14	10	1.07	245	1
BB 01028	201	202	0.2	1.39	10	450	< 0.5	< 2	0.72	3.5	11	58	32	2.62	< 10	< 1	0.15	10	1.08	250	1
BB 01029	201	202	0.2	1.38	12	560	< 0.5	< 2	1.03	2.0	13	55	35	2.65	< 10	< 1	0.17	10	0.95	535	1
BB 01030	201	202	0.2	1.22	10	500	< 0.5	< 2	0.81	2.0	11	47	41	2.49	< 10	< 1	0.10	10	0.85	285	1
BB 01031	201	202	< 0.2	0.74	8	480	< 0.5	< 2	0.45	0.5	12	61	19	2.05	< 10	< 1	0.06	< 10	1.27	210	1
BB 01032	201	202	< 0.2	1.21	12	430	< 0.5	< 2	0.43	< 0.5	13	66	16	2.70	< 10	< 1	0.07	10	1.17	410	1
BB 01033	201	202	0.2	1.23	4	700	< 0.5	< 2	1.16	0.5	11	71	26	1.91	< 10	< 1	0.08	< 10	1.04	625	< 1
BB 01034	201	202	0.2	1.54	6	480	< 0.5	< 2	0.88	< 0.5	9	70	11	2.35	< 10	2	0.10	10	1.29	235	< 1
BB 01035	201	202	< 0.2	1.29	12	540	< 0.5	< 2	0.57	< 0.5	11	46	25	2.64	< 10	< 1	0.11	10	0.93	255	1
BB 01036	201	202	0.2	1.38	12	460	< 0.5	< 2	0.53	< 0.5	12	42	23	2.58	< 10	< 1	0.12	10	0.84	360	1
BB 01037	201	202	0.2	1.25	8	360	< 0.5	< 2	0.54	< 0.5	12	50	21	2.43	< 10	< 1	0.10	10	0.94	290	1
BB 01038	201	202	< 0.2	0.87	8	1110	< 0.5	< 2	0.49	< 0.5	6	35	20	1.50	< 10	< 1	0.09	10	0.53	200	1
BB 01039	201	202	< 0.2	1.18	12	380	< 0.5	< 2	0.50	< 0.5	10	39	20	2.63	< 10	< 1	0.11	10	0.68	220	3
BB 01040	201	202	0.2	1.49	12	630	< 0.5	< 2	0.60	< 0.5	17	81	32	3.35	< 10	< 1	0.12	10	1.16	430	1
BB 01041	201	202	0.2	1.71	18	940	0.5	< 2	0.62	0.5	17	64	49	3.59	< 10	< 1	0.17	10	1.08	475	1
BB 01042	201	202	0.2	1.23	12	400	< 0.5	< 2	0.37	< 0.5	14	60	19	2.68	< 10	< 1	0.11	10	0.90	495	1
BB 01043	201	202	0.2	1.55	14	700	0.5	< 2	0.68	0.5	15	55	46	3.18	< 10	6	0.18	10	0.85	470	2
BB 01044	201	202	< 0.2	1.18	12	300	< 0.5	< 2	0.45	< 0.5	10	48	16	2.34	< 10	< 1	0.11	10	0.88	265	1
BB 01045	201	202	< 0.2	1.31	12	420	< 0.5	< 2	0.53	< 0.5	13	52	21	2.54	< 10	< 1	0.13	10	0.96	255	1

CERTIFICATION:

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## CERTIFICATE OF ANALYSIS A9622326

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 01001	201	202	0.01	68	480	10	< 2	4	27	0.03	< 10	< 10	45	< 10	98
BB 01002	201	202	0.01	94	630	10	< 2	7	36	0.01	< 10	< 10	43	< 10	72
BB 01003	201	202	< 0.01	68	470	12	2	5	26	0.03	< 10	< 10	53	< 10	100
BB 01007	201	202	0.01	67	830	14	< 2	7	44	0.02	< 10	< 10	55	< 10	192
BB 01009	201	202	0.01	55	1040	12	< 2	5	53	0.01	< 10	< 10	47	< 10	152
BB 01010	201	202	< 0.01	50	970	14	< 2	4	47	0.02	< 10	< 10	44	< 10	126
BB 01011	201	202	0.01	61	1030	10	< 2	5	49	0.03	< 10	< 10	54	< 10	136
BB 01012	201	202	0.01	82	890	14	< 2	7	53	0.02	< 10	< 10	64	< 10	132
BB 01013	201	202	< 0.01	64	930	10	< 2	4	40	0.02	< 10	< 10	46	< 10	94
BB 01014	201	202	< 0.01	47	910	14	< 2	4	45	0.01	< 10	< 10	52	< 10	108
BB 01015	201	202	0.01	72	860	14	< 2	6	47	0.03	< 10	< 10	58	< 10	144
BB 01016	201	202	0.01	74	1000	14	< 2	4	54	0.03	< 10	< 10	53	< 10	1040
BB 01017	201	202	< 0.01	38	940	14	< 2	3	50	0.01	< 10	< 10	47	< 10	228
BB 01018	201	202	< 0.01	158	880	10	2	5	38	0.03	< 10	< 10	43	< 10	806
BB 01019	201	202	< 0.01	79	560	10	< 2	5	26	0.02	< 10	< 10	45	< 10	102
BB 01021	201	202	< 0.01	90	240	10	< 2	4	17	0.02	< 10	< 10	40	< 10	70
BB 01022	201	202	0.01	125	540	12	< 2	6	33	0.01	< 10	< 10	41	< 10	138
BB 01023	201	202	< 0.01	44	240	8	< 2	3	25	0.01	< 10	< 10	35	< 10	100
BB 01024	201	202	< 0.01	75	400	10	< 2	5	25	0.01	< 10	< 10	41	< 10	92
BB 01025	201	202	< 0.01	65	580	12	< 2	4	38	0.03	< 10	< 10	42	< 10	114
BB 01026	201	202	0.03	84	990	12	2	4	53	0.01	< 10	< 10	45	< 10	608
BB 01027	201	202	< 0.01	74	960	12	< 2	5	42	0.02	< 10	< 10	56	< 10	510
BB 01028	201	202	0.01	118	990	12	2	5	41	0.03	< 10	< 10	54	< 10	1235
BB 01029	201	202	0.01	81	940	12	2	6	57	0.01	< 10	< 10	53	< 10	508
BB 01030	201	202	< 0.01	79	640	12	< 2	6	44	0.01	< 10	< 10	44	< 10	428
BB 01031	201	202	< 0.01	81	930	8	< 2	3	35	0.01	< 10	< 10	31	< 10	150
BB 01032	201	202	< 0.01	80	680	8	< 2	4	22	0.02	< 10	< 10	43	< 10	64
BB 01033	201	202	0.01	59	480	14	< 2	5	48	0.03	< 10	< 10	37	< 10	86
BB 01034	201	202	0.01	52	830	10	< 2	4	45	0.04	< 10	< 10	47	< 10	134
BB 01035	201	202	< 0.01	58	1010	16	2	4	34	0.01	< 10	< 10	40	< 10	98
BB 01036	201	202	0.01	49	720	14	< 2	4	35	0.01	< 10	< 10	48	< 10	98
BB 01037	201	202	< 0.01	51	740	12	< 2	4	33	0.01	< 10	< 10	46	< 10	92
BB 01038	201	202	< 0.01	27	740	12	< 2	3	37	0.01	< 10	< 10	33	< 10	60
BB 01039	201	202	< 0.01	34	850	12	< 2	3	32	0.01	< 10	< 10	45	< 10	94
BB 01040	201	202	< 0.01	68	890	10	< 2	7	37	0.03	< 10	< 10	58	< 10	100
BB 01041	201	202	0.01	80	910	16	2	8	42	0.02	< 10	< 10	70	< 10	126
BB 01042	201	202	0.01	61	390	12	< 2	5	25	0.01	< 10	< 10	47	< 10	78
BB 01043	201	202	0.01	76	980	12	< 2	7	48	0.01	< 10	< 10	59	< 10	122
BB 01044	201	202	< 0.01	46	770	10	< 2	3	29	0.03	< 10	< 10	47	< 10	88
BB 01045	201	202	0.01	62	980	10	< 2	4	34	0.02	< 10	< 10	52	< 10	96

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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 01046	201	202	< 0.2	1.18	8	500	< 0.5	< 2	0.46	< 0.5	9	42	22	2.02	< 10	< 1	0.08	10	0.75	305	< 1
BB 01047	201	202	0.2	1.46	12	500	< 0.5	< 2	0.75	0.5	14	66	38	2.75	< 10	< 1	0.14	10	1.12	365	1
BB 01048	201	202	0.2	1.50	14	540	< 0.5	< 2	0.68	< 0.5	18	94	28	3.15	< 10	< 1	0.13	10	1.67	450	1
BB 01049	201	202	< 0.2	1.56	10	720	< 0.5	< 2	0.52	< 0.5	17	89	33	3.04	< 10	< 1	0.12	10	1.53	480	< 1
BB 01050	201	202	< 0.2	1.38	14	530	< 0.5	< 2	0.89	< 0.5	13	68	43	2.87	< 10	< 1	0.14	10	1.21	400	< 1
BB 01051	201	202	< 0.2	1.51	12	480	< 0.5	< 2	0.46	< 0.5	15	63	26	2.83	< 10	< 1	0.14	10	1.12	395	< 1
BB 01052	201	202	0.2	0.90	8	610	< 0.5	< 2	0.36	< 0.5	5	39	6	1.62	< 10	< 1	0.09	10	0.79	120	< 1
BB 01053	201	202	0.2	1.30	10	470	< 0.5	< 2	0.52	< 0.5	11	40	21	2.36	< 10	< 1	0.12	10	0.75	530	1
BB 01054	201	202	< 0.2	1.34	12	330	< 0.5	< 2	0.39	< 0.5	10	53	17	2.50	< 10	< 1	0.14	10	0.88	270	1
BB 01055	201	202	0.2	1.55	8	730	0.5	< 2	0.72	0.5	12	58	48	2.35	< 10	< 1	0.17	10	0.81	240	< 1
BB 01056	201	202	0.2	1.37	10	400	< 0.5	< 2	0.46	< 0.5	13	47	24	2.85	< 10	< 1	0.13	10	0.73	355	1
BB 01057	201	202	0.2	1.32	4	560	< 0.5	< 2	1.11	0.5	10	73	20	2.06	< 10	< 1	0.13	10	1.42	360	< 1
BB 01058	201	202	0.2	1.57	12	590	< 0.5	< 2	0.72	0.5	12	46	35	2.76	< 10	< 1	0.16	10	0.81	590	1
BB 01059	201	202	0.2	1.67	14	490	< 0.5	< 2	0.77	0.5	17	69	24	3.65	< 10	< 1	0.12	10	1.11	510	2
BB 01060	201	202	0.2	1.18	18	340	< 0.5	< 2	0.32	< 0.5	12	54	20	3.18	< 10	< 1	0.11	10	0.77	300	2
BB 01061	201	202	< 0.2	1.22	8	390	< 0.5	< 2	0.41	< 0.5	9	44	17	2.22	< 10	< 1	0.10	10	0.78	420	< 1
BB 01062	201	202	< 0.2	1.43	8	480	< 0.5	< 2	0.53	< 0.5	12	50	23	2.40	< 10	< 1	0.10	10	0.85	610	< 1
BB 01063	201	202	0.2	1.39	14	750	< 0.5	< 2	0.84	< 0.5	13	53	42	2.63	< 10	< 1	0.13	10	0.93	635	1
BB 01064	201	202	< 0.2	1.36	14	510	< 0.5	< 2	0.69	< 0.5	14	60	29	2.67	< 10	< 1	0.13	10	1.02	305	1
BB 01065	201	202	< 0.2	1.50	8	770	< 0.5	< 2	0.62	0.5	23	108	21	2.83	< 10	< 1	0.16	10	1.65	1260	< 1
BB 01066	201	202	< 0.2	1.85	18	790	0.5	< 2	0.42	< 0.5	22	85	56	3.59	< 10	< 1	0.16	10	1.29	720	1
BB 01067	201	202	< 0.2	1.22	8	440	< 0.5	< 2	0.87	0.5	12	47	18	2.18	< 10	< 1	0.10	10	0.78	525	< 1
BB 01068	201	202	0.2	1.68	14	660	< 0.5	< 2	0.56	< 0.5	12	55	26	2.95	< 10	< 1	0.16	10	0.92	380	1
BB 01069	201	202	< 0.2	1.80	14	720	0.5	< 2	0.53	< 0.5	16	65	30	3.02	< 10	< 1	0.18	10	0.97	1055	1
BB 01070	201	202	0.2	1.53	12	480	< 0.5	< 2	0.57	0.5	13	55	18	2.68	< 10	< 1	0.18	10	0.78	710	1
BB 01071	201	202	< 0.2	1.15	10	380	< 0.5	< 2	0.44	< 0.5	10	39	18	2.71	< 10	< 1	0.09	10	0.66	445	2
BB 01072	201	202	0.2	1.33	8	600	< 0.5	< 2	0.46	< 0.5	15	66	22	2.70	< 10	< 1	0.10	10	1.24	300	1
BB 01073	201	202	0.2	1.23	12	420	< 0.5	< 2	0.44	< 0.5	15	48	22	2.93	< 10	< 1	0.09	< 10	0.74	815	2
BB 01074	201	202	0.2	1.33	16	610	0.5	< 2	0.56	0.5	15	49	36	2.85	< 10	< 1	0.11	10	0.78	750	1
BB 01075	201	202	0.2	1.75	14	860	0.5	< 2	0.58	0.5	17	57	30	3.46	< 10	< 1	0.15	10	0.97	1045	1
BB 01076	201	202	< 0.2	1.57	12	630	< 0.5	< 2	0.41	< 0.5	15	49	25	2.68	< 10	< 1	0.12	10	0.87	615	1
BB 01077	201	202	0.2	1.45	14	470	< 0.5	< 2	0.92	0.5	12	50	35	2.91	< 10	< 1	0.14	10	0.99	415	1
BB 01078	201	202	0.2	1.31	12	420	< 0.5	< 2	0.53	< 0.5	18	84	50	2.76	< 10	< 1	0.14	10	1.27	600	< 1
BB 01079	201	202	0.4	1.17	8	470	< 0.5	< 2	0.60	< 0.5	19	97	36	2.23	< 10	< 1	0.12	10	1.34	370	< 1
BB 01080	201	202	< 0.2	1.08	14	380	< 0.5	< 2	0.42	< 0.5	16	83	32	2.70	< 10	< 1	0.10	10	1.53	275	< 1
BB 01081	201	202	< 0.2	1.21	12	350	< 0.5	< 2	0.42	< 0.5	11	49	21	2.52	< 10	< 1	0.08	10	0.88	295	< 1
BB 01082	201	202	< 0.2	0.84	6	230	< 0.5	< 2	0.32	< 0.5	10	154	6	1.55	< 10	< 1	0.09	10	2.08	495	< 1
BB 01083	201	202	< 0.2	1.35	10	390	< 0.5	< 2	0.46	< 0.5	14	47	19	2.60	< 10	< 1	0.15	10	0.68	670	1
BB 01084	201	202	0.2	1.30	12	560	< 0.5	< 2	0.50	< 0.5	15	47	36	2.77	< 10	< 1	0.12	10	0.78	745	1
BB 01085	201	202	0.2	1.63	12	660	0.5	< 2	0.74	0.5	16	48	45	2.93	< 10	< 1	0.15	10	0.79	1250	1

CERTIFICATION: *John J. Buchler*



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Project : POWER PLAY  
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<b>CERTIFICATE OF ANALYSIS</b>	<b>A9622326</b>
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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 01046	201	202	< 0.01	42	310	12	< 2	4	23	0.02	< 10	< 10	37	< 10	70
BB 01047	201	202	< 0.01	71	980	10	< 2	6	39	0.03	< 10	< 10	55	< 10	96
BB 01048	201	202	< 0.01	129	1020	12	< 2	6	33	0.03	< 10	< 10	56	< 10	92
BB 01049	201	202	< 0.01	131	410	12	< 2	6	25	0.03	< 10	< 10	55	< 10	74
BB 01050	201	202	< 0.01	92	860	10	2	6	41	0.03	< 10	< 10	54	< 10	76
BB 01051	201	202	< 0.01	72	750	12	< 2	5	28	0.02	< 10	< 10	53	< 10	96
BB 01052	201	202	< 0.01	32	700	10	< 2	1	39	0.01	< 10	< 10	34	< 10	66
BB 01053	201	202	< 0.01	36	500	14	< 2	4	27	0.01	< 10	< 10	49	< 10	96
BB 01054	201	202	< 0.01	46	490	12	< 2	3	23	0.03	< 10	< 10	52	< 10	100
BB 01055	201	202	< 0.01	71	440	14	< 2	7	38	0.01	< 10	< 10	59	< 10	102
BB 01056	201	202	< 0.01	41	550	12	< 2	5	28	0.03	< 10	< 10	54	< 10	112
BB 01057	201	202	< 0.01	67	600	14	< 2	4	58	0.03	< 10	< 10	42	< 10	162
BB 01058	201	202	< 0.01	52	690	14	< 2	6	37	0.02	< 10	< 10	60	< 10	128
BB 01059	201	202	< 0.01	57	690	12	< 2	6	37	0.04	< 10	< 10	70	< 10	130
BB 01060	201	202	< 0.01	51	430	10	2	5	21	0.01	< 10	< 10	51	< 10	98
BB 01061	201	202	< 0.01	41	450	10	< 2	3	22	0.03	< 10	< 10	42	< 10	108
BB 01062	201	202	< 0.01	51	380	12	< 2	4	26	0.02	< 10	< 10	47	< 10	106
BB 01063	201	202	< 0.01	81	620	12	2	6	41	0.02	< 10	< 10	49	< 10	84
BB 01064	201	202	< 0.01	68	930	12	2	5	39	0.02	< 10	< 10	51	< 10	84
BB 01065	201	202	< 0.02	151	450	12	< 2	6	34	0.03	< 10	< 10	52	< 10	92
BB 01066	201	202	< 0.01	119	570	16	2	8	24	0.02	< 10	< 10	67	< 10	104
BB 01067	201	202	< 0.03	39	520	12	< 2	4	43	0.03	< 10	< 10	43	< 10	102
BB 01068	201	202	< 0.01	61	510	16	< 2	5	29	0.03	< 10	< 10	60	< 10	100
BB 01069	201	202	< 0.01	75	430	14	< 2	6	30	0.01	< 10	< 10	65	< 10	88
BB 01070	201	202	< 0.01	46	500	12	< 2	5	31	0.02	< 10	< 10	59	< 10	128
BB 01071	201	202	< 0.01	39	520	10	< 2	4	23	0.01	< 10	< 10	41	< 10	86
BB 01072	201	202	< 0.01	72	370	14	< 2	5	27	0.03	< 10	< 10	46	< 10	74
BB 01073	201	202	< 0.01	49	320	12	2	6	24	0.01	< 10	< 10	46	< 10	78
BB 01074	201	202	< 0.01	69	410	12	2	6	29	0.01	< 10	< 10	46	< 10	84
BB 01075	201	202	< 0.01	77	440	16	2	5	30	0.01	< 10	< 10	61	< 10	94
BB 01076	201	202	< 0.01	58	280	14	2	4	23	0.03	< 10	< 10	56	< 10	84
BB 01077	201	202	< 0.01	53	1100	14	2	5	51	0.03	< 10	< 10	52	< 10	118
BB 01078	201	202	< 0.01	103	640	12	2	6	44	0.02	< 10	< 10	47	< 10	90
BB 01079	201	202	< 0.01	98	370	10	< 2	3	49	0.03	< 10	< 10	38	< 10	90
BB 01080	201	202	< 0.01	120	510	10	2	6	28	0.01	< 10	< 10	42	< 10	72
BB 01081	201	202	< 0.01	139	490	10	4	4	23	0.02	< 10	< 10	38	< 10	96
BB 01082	201	202	< 0.01	43	250	10	< 2	2	19	0.01	< 10	< 10	31	< 10	76
BB 01083	201	202	< 0.01	43	380	14	< 2	4	27	0.02	< 10	< 10	49	< 10	94
BB 01084	201	202	< 0.01	64	300	14	2	5	32	0.01	< 10	< 10	48	< 10	78
BB 01085	201	202	< 0.01	62	450	14	< 2	6	49	0.01	< 10	< 10	58	< 10	116

CERTIFICATION: *[Signature]*



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Account : MPO

Project : POWER PLAY  
Comments:

## CERTIFICATE OF ANALYSIS A9622326

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 01086	201 202	0.8	1.48	8	950	< 0.5	< 2	0.68	2.0	22	67	62	2.76	< 10	< 1	0.09	10	0.86	1510	3
BB 01087	201 202	< 0.2	1.28	10	510	< 0.5	< 2	0.45	< 0.5	12	55	30	2.82	< 10	< 1	0.11	10	0.77	540	1
BB 01088	201 202	0.6	1.08	14	690	< 0.5	< 2	0.66	< 0.5	19	62	56	2.73	< 10	< 1	0.12	10	0.88	840	2
BB 01089	201 202	< 0.2	1.54	8	740	< 0.5	< 2	0.52	< 0.5	15	71	23	2.75	< 10	< 1	0.17	10	0.99	905	2
BB 01090	201 202	0.2	1.67	6	520	< 0.5	< 2	0.59	< 0.5	20	108	22	2.58	< 10	< 1	0.17	10	1.36	985	1
BB 01091	201 202	< 0.2	1.33	8	480	< 0.5	< 2	0.40	< 0.5	14	86	11	2.38	< 10	< 1	0.13	10	1.31	650	< 1
BB 01092	201 202	0.2	1.61	6	780	< 0.5	< 2	0.81	0.5	21	109	37	2.87	< 10	< 1	0.15	10	1.46	1810	1
BB 01093	201 202	0.2	1.61	12	1210	0.5	< 2	0.66	1.0	21	68	50	3.05	< 10	1	0.22	10	1.12	2960	4
BB 01094	201 202	< 0.2	1.38	12	450	< 0.5	< 2	0.66	< 0.5	16	74	31	2.58	< 10	< 1	0.16	10	1.00	630	1
BB 01095	201 202	0.2	1.28	10	510	< 0.5	< 2	0.53	< 0.5	11	69	34	2.66	< 10	< 1	0.12	10	1.07	270	1
BB 01096	201 202	0.2	1.37	10	500	< 0.5	< 2	0.45	< 0.5	10	54	29	2.54	< 10	< 1	0.14	10	0.85	395	1
BB 01097	201 202	< 0.2	1.28	12	310	< 0.5	< 2	0.26	< 0.5	9	49	17	2.54	< 10	< 1	0.13	10	0.58	275	1
BB 01098	201 202	0.4	1.90	6	470	< 0.5	< 2	0.73	0.5	10	49	20	2.47	< 10	< 1	0.12	10	0.63	430	< 1
BB 01099	201 202	0.2	1.49	8	380	< 0.5	< 2	0.69	0.5	21	104	25	2.81	< 10	2	0.11	10	1.61	530	1
BB 01100	201 202	0.2	1.22	12	570	< 0.5	< 2	0.59	< 0.5	13	78	21	2.26	< 10	< 1	0.16	10	1.43	300	1
BB 01101	201 202	0.2	1.29	14	560	< 0.5	< 2	0.39	< 0.5	19	93	29	2.85	< 10	< 1	0.16	10	1.67	530	1
BB 01102	201 202	0.6	1.51	10	780	< 0.5	< 2	1.02	0.5	17	75	46	2.53	< 10	< 1	0.14	10	1.12	565	1
BB 01103	201 202	0.2	1.19	6	450	< 0.5	< 2	0.51	< 0.5	15	51	18	2.46	< 10	< 1	0.11	10	0.61	1085	1
BB 01104	201 202	0.2	1.44	10	370	< 0.5	< 2	0.51	< 0.5	19	83	17	2.74	< 10	< 1	0.16	10	1.39	315	1
BB 01105	201 202	0.2	1.24	6	380	< 0.5	< 2	1.17	0.5	12	48	19	2.24	< 10	< 1	0.11	10	0.92	285	3
BB 01106	201 202	0.2	1.20	10	570	< 0.5	< 2	1.11	0.5	12	58	39	2.11	< 10	< 1	0.11	10	1.09	650	4
BB 01107	201 202	< 0.2	1.17	12	620	< 0.5	< 2	0.53	0.5	12	50	56	2.80	< 10	< 1	0.10	10	0.89	700	3
BB 01108	201 202	0.6	0.96	10	410	< 0.5	< 2	0.54	0.5	11	46	40	2.21	< 10	1	0.13	10	0.68	855	1
BB 01109	201 202	0.4	0.70	10	490	< 0.5	< 2	0.50	< 0.5	8	35	28	1.92	< 10	< 1	0.08	10	0.68	360	3
BB 01110	201 202	0.2	1.17	6	340	< 0.5	< 2	0.81	< 0.5	8	42	19	1.92	< 10	< 1	0.12	10	0.74	255	1
BB 01111	201 202	0.2	1.53	12	570	< 0.5	< 2	0.79	0.5	15	62	28	2.98	< 10	< 1	0.20	10	1.08	350	2
BB 01112	201 202	0.4	1.28	2	480	< 0.5	< 2	1.07	0.5	13	70	43	1.95	< 10	< 1	0.14	10	1.20	550	1
BB 01113	201 202	0.2	1.60	8	390	0.5	< 2	0.58	< 0.5	13	65	32	2.97	< 10	< 1	0.17	10	1.34	550	3
BB 01114	201 202	0.2	1.31	8	560	< 0.5	< 2	0.64	< 0.5	17	89	28	2.61	< 10	1	0.13	< 10	1.36	560	< 1
BB 01115	201 202	< 0.2	0.86	2	450	< 0.5	< 2	0.34	< 0.5	5	40	11	1.51	< 10	< 1	0.08	< 10	0.54	200	< 1
BB 01116	201 202	< 0.2	1.07	10	470	< 0.5	< 2	0.53	< 0.5	15	106	27	2.78	< 10	1	0.10	10	1.90	280	1
BB 01117	201 202	0.2	1.41	10	790	< 0.5	< 2	0.67	< 0.5	15	93	42	2.94	< 10	< 1	0.12	10	1.12	1025	1
BB 01118	201 202	0.2	1.13	10	400	< 0.5	< 2	0.78	< 0.5	11	51	17	2.31	< 10	< 1	0.10	10	1.06	295	2
BB 01119	201 202	0.2	1.44	10	290	< 0.5	< 2	0.59	0.5	14	52	15	3.00	< 10	< 1	0.13	10	1.06	250	3
BB 01120	201 202	0.2	1.26	18	490	< 0.5	< 2	0.79	0.5	10	51	34	2.95	< 10	< 1	0.11	10	0.79	530	3
BB 01121	201 202	0.2	1.36	8	470	< 0.5	< 2	0.87	0.5	19	57	36	2.90	< 10	< 1	0.13	10	0.86	910	2
BB 01122	201 202	0.4	0.70	8	370	< 0.5	< 2	0.76	0.5	15	37	15	1.75	< 10	< 1	0.08	< 10	0.68	1440	2
BB 01123	201 202	< 0.2	0.86	6	460	< 0.5	< 2	0.48	< 0.5	9	56	25	1.90	< 10	< 1	0.09	10	1.11	180	1
BB 01124	201 202	0.2	0.96	12	360	< 0.5	< 2	0.77	< 0.5	12	62	17	2.21	< 10	< 1	0.09	10	0.89	975	2
BB 01125	201 202	0.2	1.34	8	470	< 0.5	< 2	0.91	0.5	10	57	22	2.60	< 10	1	0.14	10	0.91	240	3

CERTIFICATION:



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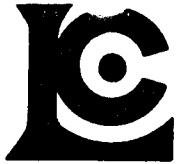
Project : POWER PLAY  
 Comments:

## CERTIFICATE OF ANALYSIS A9622326

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 01086	201 202	0.02	94	620	14	2	10	56	0.03	< 10	< 10	47	< 10	112
BB 01087	201 202	< 0.01	59	380	10	4	4	25	0.01	< 10	< 10	48	< 10	90
BB 01088	201 202	< 0.01	112	740	12	4	5	41	0.01	< 10	< 10	43	< 10	108
BB 01089	201 202	0.01	66	480	14	2	5	36	0.01	< 10	< 10	66	< 10	88
BB 01090	201 202	< 0.01	104	340	10	< 2	6	34	0.04	< 10	< 10	51	< 10	96
BB 01091	201 202	< 0.01	91	290	10	< 2	4	24	0.04	< 10	< 10	46	< 10	56
BB 01092	201 202	0.01	165	350	12	2	6	40	0.03	< 10	< 10	54	< 10	78
BB 01093	201 202	0.01	168	800	10	2	6	66	0.01	< 10	< 10	67	< 10	158
BB 01094	201 202	< 0.01	89	520	8	6	8	31	0.02	< 10	< 10	48	< 10	82
BB 01095	201 202	0.01	76	620	12	2	5	28	0.03	< 10	< 10	51	< 10	100
BB 01096	201 202	0.01	58	380	10	2	4	27	0.03	< 10	< 10	48	< 10	76
BB 01097	201 202	0.01	40	250	12	2	2	17	0.02	< 10	< 10	58	< 10	82
BB 01098	201 202	< 0.01	39	360	12	< 2	4	35	0.02	< 10	< 10	73	< 10	110
BB 01099	201 202	0.01	122	680	10	2	8	37	0.03	< 10	< 10	52	< 10	112
BB 01100	201 202	0.01	93	730	8	2	5	46	0.01	< 10	< 10	46	< 10	90
BB 01101	201 202	< 0.01	146	390	12	2	6	23	0.01	< 10	< 10	51	< 10	84
BB 01102	201 202	0.01	124	500	10	< 2	7	55	0.02	< 10	< 10	46	< 10	114
BB 01103	201 202	< 0.01	58	250	12	< 2	3	28	0.01	< 10	< 10	37	< 10	146
BB 01104	201 202	< 0.01	97	330	14	< 2	5	29	0.01	< 10	< 10	50	< 10	104
BB 01105	201 202	0.01	49	720	12	2	4	63	0.02	< 10	< 10	53	< 10	80
BB 01106	201 202	0.01	88	860	10	2	5	64	0.01	< 10	< 10	45	< 10	90
BB 01107	201 202	< 0.01	86	390	12	2	4	33	< 0.01	< 10	< 10	42	< 10	94
BB 01108	201 202	< 0.01	71	690	8	2	4	38	< 0.01	< 10	< 10	35	< 10	92
BB 01109	201 202	< 0.01	57	910	10	2	3	37	< 0.01	< 10	< 10	31	< 10	92
BB 01110	201 202	0.01	38	780	10	< 2	4	46	0.02	< 10	< 10	43	< 10	82
BB 01111	201 202	0.01	71	920	12	2	5	46	0.01	< 10	< 10	58	< 10	118
BB 01112	201 202	0.01	88	740	10	2	5	49	0.03	< 10	< 10	43	< 10	90
BB 01113	201 202	0.01	95	800	12	< 2	5	36	0.01	< 10	< 10	53	< 10	128
BB 01114	201 202	0.01	105	370	8	< 2	6	29	0.01	< 10	< 10	42	< 10	82
BB 01115	201 202	< 0.01	31	270	6	< 2	3	17	0.01	< 10	< 10	25	< 10	84
BB 01116	201 202	< 0.01	148	610	8	< 2	4	27	< 0.01	< 10	< 10	36	< 10	86
BB 01117	201 202	0.01	110	530	10	< 2	6	29	< 0.01	< 10	< 10	45	< 10	70
BB 01118	201 202	< 0.01	57	840	10	2	4	45	0.01	< 10	< 10	39	< 10	92
BB 01119	201 202	0.01	61	890	12	2	4	39	0.01	< 10	< 10	48	< 10	190
BB 01120	201 202	< 0.01	56	720	12	< 2	5	45	0.01	< 10	< 10	48	< 10	92
BB 01121	201 202	0.01	56	820	12	2	5	49	0.01	< 10	< 10	49	< 10	108
BB 01122	201 202	0.01	50	1000	6	< 2	2	45	0.01	< 10	< 10	28	< 10	82
BB 01123	201 202	< 0.01	70	1060	10	2	3	32	0.01	< 10	< 10	37	< 10	100
BB 01124	201 202	0.01	54	850	12	2	3	42	0.01	< 10	< 10	36	< 10	88
BB 01125	201 202	0.01	47	890	10	2	5	55	0.02	< 10	< 10	53	< 10	96

CERTIFICATION:

*Hart Buchler*



# Chemex Labs Ltd.

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 V6B 1L8

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 Total Pages :4  
 Certificate Date: 03-JUL-96  
 Invoice No. :19622326  
 P.O. Number :  
 Account :MPO

Project : POWER PLAY  
 Comments:

## CERTIFICATE OF ANALYSIS A9622326

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 01126	201 202	0.2	1.33	8	490	< 0.5	< 2	1.17	0.5	10	49	29	2.32	< 10	< 1	0.13	10	0.94	295	2
BB 01127	201 202	0.2	1.36	8	590	< 0.5	< 2	1.11	2.0	10	51	19	2.29	< 10	< 1	0.14	10	0.97	315	2
BB 01128	201 202	< 0.2	1.93	6	590	< 0.5	< 2	0.71	< 0.5	13	69	21	3.18	< 10	< 1	0.25	10	1.27	455	1
BB 01129	201 202	0.2	1.41	4	700	< 0.5	< 2	0.52	0.5	19	100	30	2.75	< 10	< 1	0.14	10	1.62	625	1
BB 01130	201 202	< 0.2	1.17	6	520	< 0.5	< 2	0.45	< 0.5	8	58	22	2.09	< 10	< 1	0.13	10	0.89	355	1
BB 01131	201 202	0.2	1.59	8	750	< 0.5	< 2	0.77	< 0.5	18	90	47	2.75	< 10	< 1	0.16	10	1.33	860	1
BB 01132	201 202	0.6	1.36	10	590	< 0.5	< 2	1.08	1.5	13	55	24	2.55	< 10	3	0.16	10	1.03	330	3
BB 01133	201 202	0.2	1.25	6	460	< 0.5	< 2	1.09	1.5	11	50	20	2.35	< 10	< 1	0.12	10	0.96	445	5
BB 01134	201 202	0.2	1.22	8	290	< 0.5	< 2	0.69	< 0.5	12	49	18	2.46	< 10	< 1	0.09	10	0.94	575	3
BB 01135	201 202	0.2	1.29	16	520	< 0.5	< 2	0.51	0.5	17	63	35	3.22	< 10	1	0.14	10	1.03	240	3
BB 01136	201 202	0.2	1.35	10	670	< 0.5	< 2	0.86	1.0	12	72	54	2.72	< 10	< 1	0.14	10	1.12	400	3
BB 01137	201 202	0.2	1.32	10	530	< 0.5	< 2	0.74	0.5	11	68	32	2.70	< 10	< 1	0.13	10	1.05	250	3
BB 01138	201 202	0.2	1.56	10	720	0.5	< 2	0.71	5.0	13	71	35	3.31	< 10	< 1	0.18	10	1.30	240	3
BB 01139	201 202	0.6	1.37	2	740	< 0.5	< 2	0.90	2.0	13	66	70	2.02	< 10	< 1	0.12	10	1.06	390	< 1
BB 01140	201 202	< 0.2	1.25	8	600	< 0.5	< 2	0.50	< 0.5	13	77	21	2.47	< 10	1	0.09	10	1.08	285	1
BB 01141	201 202	0.8	1.29	4	980	< 0.5	< 2	0.91	0.5	14	109	117	2.41	< 10	< 1	0.09	20	1.60	535	1
BB 01142	201 202	0.2	1.34	10	810	< 0.5	< 2	0.71	< 0.5	23	133	33	2.63	< 10	< 1	0.10	10	1.96	1665	1
BB 01143	201 202	0.2	1.31	8	480	< 0.5	< 2	0.51	< 0.5	11	89	22	2.74	< 10	< 1	0.11	10	1.34	230	1
BB 01144	201 202	0.2	1.41	10	510	< 0.5	< 2	0.59	0.5	14	77	44	2.76	< 10	< 1	0.12	10	1.06	660	1
BB 01145	201 202	< 0.2	1.28	8	380	< 0.5	< 2	0.86	44.0	10	50	34	2.23	< 10	< 1	0.15	10	1.02	325	2
BB 01146	201 202	0.2	1.30	10	440	< 0.5	< 2	0.87	4.5	10	51	38	2.46	< 10	< 1	0.13	10	0.98	245	1
BB 01147	201 202	0.2	1.35	12	650	< 0.5	< 2	0.61	0.5	16	60	26	3.06	< 10	< 1	0.12	10	0.96	565	3
BB 01148	201 202	0.2	0.69	12	240	< 0.5	< 2	0.46	< 0.5	13	85	15	2.51	< 10	< 1	0.05	< 10	1.46	260	2

CERTIFICATION:

*Heidi Bickler*



# Chemex Labs Ltd.

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 Total Pages : 4  
 Certificate Date: 03-JUL-96  
 Invoice No. : I9622326  
 P.O. Number :  
 Account : MPO

Project : POWER PLAY  
 Comments:

## CERTIFICATE OF ANALYSIS A9622326

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 01126	201 202	0.01	51	800	16	2	4	63	0.01	< 10	< 10	46	< 10	120
BB 01127	201 202	0.01	64	1020	14	2	4	68	0.01	< 10	< 10	50	< 10	254
BB 01128	201 202	0.02	68	670	6	< 2	9	32	0.08	< 10	< 10	73	< 10	112
BB 01129	201 202	< 0.01	124	330	12	2	6	27	0.03	< 10	< 10	46	< 10	90
BB 01130	201 202	0.01	59	330	6	< 2	4	24	0.04	< 10	< 10	36	< 10	82
BB 01131	201 202	0.01	113	400	10	2	7	35	0.02	< 10	< 10	54	< 10	86
BB 01132	201 202	0.01	66	710	12	2	5	52	0.03	< 10	< 10	49	< 10	118
BB 01133	201 202	0.01	59	800	12	< 2	4	55	0.01	< 10	< 10	45	< 10	162
BB 01134	201 202	0.01	55	880	24	2	3	41	0.01	< 10	< 10	43	< 10	106
BB 01135	201 202	0.01	84	980	12	2	6	41	0.01	< 10	< 10	50	< 10	130
BB 01136	201 202	< 0.01	81	1010	10	2	6	59	0.02	< 10	< 10	54	< 10	112
BB 01137	201 202	0.01	58	980	14	2	5	48	0.04	< 10	< 10	54	< 10	106
BB 01138	201 202	0.03	130	1030	10	2	6	48	0.02	< 10	< 10	62	< 10	1665
BB 01139	201 202	0.01	118	580	10	< 2	5	39	0.03	< 10	< 10	41	< 10	222
BB 01140	201 202	< 0.01	81	380	8	< 2	5	22	0.03	< 10	< 10	41	< 10	100
BB 01141	201 202	0.01	223	710	10	< 2	9	43	0.02	< 10	< 10	35	< 10	96
BB 01142	201 202	< 0.01	160	530	12	2	6	32	0.02	< 10	< 10	44	< 10	106
BB 01143	201 202	< 0.01	94	340	6	< 2	6	23	0.01	< 10	< 10	45	< 10	94
BB 01144	201 202	< 0.01	85	380	10	< 2	6	28	0.02	< 10	< 10	50	< 10	98
BB 01145	201 202	0.04	195	1060	8	< 2	5	50	0.03	< 10	< 10	48	< 10	2470
BB 01146	201 202	0.01	83	730	10	< 2	5	47	0.02	< 10	< 10	48	< 10	990
BB 01147	201 202	< 0.01	65	1140	10	2	5	49	0.01	< 10	< 10	49	< 10	256
BB 01148	201 202	< 0.01	101	1050	6	< 2	3	42	0.01	< 10	< 10	34	< 10	166

CERTIFICATION: *[Signature]*



# Chemex Labs Ltd.

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 Total Pages :1  
 Certificate Date: 28-JUN-96  
 Invoice No. :19621871  
 P.O. Number :  
 Account :MPO

Project : REF  
 Comments:

## CERTIFICATE OF ANALYSIS A9621871

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 00762	201 202	< 0.2	1.55	6	1010	< 0.5	< 2	0.51	< 0.5	17	147	30	2.65	< 10	< 1	0.08	10	1.53	380	1
BB 00763	201 202	0.2	1.49	10	560	< 0.5	< 2	0.80	0.5	12	94	22	2.49	< 10	< 1	0.09	10	1.33	320	1
BB 00764	201 202	0.2	1.08	8	560	< 0.5	< 2	0.74	0.5	13	116	37	2.40	< 10	< 1	0.10	10	1.28	325	1
BB 00765	201 202	0.2	1.23	8	1130	< 0.5	< 2	0.67	0.5	12	144	28	2.42	< 10	< 1	0.07	10	1.72	450	< 1
BB 00766	201 202	< 0.2	1.10	4	360	< 0.5	< 2	0.79	< 0.5	10	85	13	1.94	< 10	< 1	0.09	10	0.93	400	< 1
BB 00850	201 202	< 0.2	1.01	8	590	< 0.5	< 2	0.83	< 0.5	10	93	19	1.82	< 10	< 1	0.09	10	1.10	215	1
BB 00851	201 202	0.2	1.14	8	460	< 0.5	< 2	0.91	0.5	10	91	18	1.89	< 10	< 1	0.08	10	0.89	340	1
BB 00852	201 202	0.2	1.41	4	640	< 0.5	< 2	0.82	0.5	15	108	31	2.27	< 10	< 1	0.10	10	0.92	635	1
BB 00853	201 202	0.2	1.06	6	420	< 0.5	< 2	0.83	< 0.5	12	97	14	2.09	< 10	< 1	0.08	10	0.96	425	1
BB 00854	201 202	0.2	1.24	12	670	< 0.5	< 2	0.54	1.0	18	88	16	2.99	< 10	< 1	0.08	10	0.51	605	3
BB 00855	201 202	< 0.2	1.29	6	740	< 0.5	< 2	0.23	0.5	9	66	17	2.01	< 10	< 1	0.06	< 10	0.38	265	1
BB 00856	201 202	< 0.2	0.82	8	250	< 0.5	< 2	0.43	< 0.5	10	63	9	1.54	< 10	< 1	0.07	< 10	0.69	345	1
BB 00857	201 202	< 0.2	1.14	8	440	< 0.5	< 2	0.59	< 0.5	9	81	18	2.00	< 10	< 1	0.07	10	0.71	325	1
BB 00858	201 202	0.2	1.16	10	490	< 0.5	< 2	0.88	0.5	10	92	20	1.99	< 10	< 1	0.08	10	0.98	755	1
BB 00859	201 202	< 0.2	1.16	8	440	< 0.5	< 2	0.67	< 0.5	9	94	14	1.95	< 10	< 1	0.09	10	0.89	255	1
BB 00860	201 202	0.2	1.22	8	500	< 0.5	< 2	1.41	< 0.5	9	89	22	2.14	< 10	< 1	0.10	10	1.22	275	< 1
BB 00861	201 202	0.2	1.28	12	630	< 0.5	< 2	1.03	0.5	13	105	22	2.30	< 10	< 1	0.10	10	1.21	400	1
BB 00862	201 202	0.2	1.36	14	1130	< 0.5	< 2	0.57	0.5	16	123	59	2.57	< 10	< 1	0.08	10	1.57	465	< 1
BB 00863	201 202	0.2	1.82	12	1020	< 0.5	< 2	0.53	1.0	13	91	18	2.60	< 10	< 1	0.08	10	0.64	400	2
BB 00864	201 202	< 0.2	1.56	12	440	< 0.5	< 2	0.43	0.5	23	283	13	3.32	< 10	< 1	0.07	< 10	3.17	420	1
BB 00865	201 202	< 0.2	0.99	8	310	< 0.5	< 2	0.49	< 0.5	16	216	13	2.58	< 10	< 1	0.05	< 10	2.07	410	1
BB 00866	201 202	< 0.2	1.39	12	490	< 0.5	< 2	0.46	0.5	21	201	17	3.29	< 10	< 1	0.07	< 10	2.05	565	1
BB 00867	201 202	0.4	3.62	8	650	0.5	< 2	0.85	1.0	17	146	34	3.55	< 10	< 1	0.07	10	1.52	275	1

CERTIFICATION:

*Hart Bickler*



# Chemex Labs Ltd.

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Certificate Date: 28-JUN-96  
Invoice No. : 19621871  
P.O. Number :  
Account : MPO

Project : REF  
Comments:

## CERTIFICATE OF ANALYSIS A9621871

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 00762	201	202	< 0.01	153	530	12	< 2	6	30	0.04	< 10	< 10	58	< 10	92
BB 00763	201	202	0.05	102	600	16	< 2	6	40	0.04	< 10	< 10	48	< 10	120
BB 00764	201	202	< 0.01	100	1060	10	< 2	4	44	0.04	< 10	< 10	51	< 10	90
BB 00765	201	202	0.01	131	580	8	< 2	5	33	0.05	< 10	< 10	52	< 10	74
BB 00766	201	202	< 0.01	45	900	8	< 2	4	36	0.07	< 10	< 10	53	< 10	70
BB 00850	201	202	0.01	60	980	6	< 2	4	42	0.06	< 10	< 10	48	< 10	78
BB 00851	201	202	< 0.01	51	660	6	< 2	4	39	0.06	< 10	< 10	50	< 10	88
BB 00852	201	202	< 0.01	76	570	12	< 2	6	38	0.05	< 10	< 10	59	< 10	130
BB 00853	201	202	< 0.01	56	940	8	< 2	3	47	0.05	< 10	< 10	49	< 10	102
BB 00854	201	202	< 0.01	42	750	16	< 2	3	32	0.03	< 10	< 10	54	< 10	144
BB 00855	201	202	0.02	41	230	6	< 2	2	16	0.03	< 10	< 10	47	< 10	90
BB 00856	201	202	0.05	38	640	6	< 2	2	25	0.04	< 10	< 10	38	< 10	62
BB 00857	201	202	< 0.01	43	540	8	< 2	3	29	0.05	< 10	< 10	51	< 10	98
BB 00858	201	202	< 0.01	64	750	8	< 2	4	39	0.06	< 10	< 10	50	< 10	92
BB 00859	201	202	< 0.01	47	730	6	< 2	3	33	0.06	< 10	< 10	53	< 10	78
BB 00860	201	202	0.01	61	720	8	< 2	4	59	0.05	< 10	< 10	50	< 10	68
BB 00861	201	202	0.01	74	990	10	< 2	5	46	0.07	< 10	< 10	57	< 10	80
BB 00862	201	202	0.01	153	660	10	< 2	7	32	0.06	< 10	< 10	52	< 10	82
BB 00863	201	202	0.03	47	500	12	< 2	3	34	0.03	< 10	< 10	74	< 10	150
BB 00864	201	202	0.01	129	870	10	< 2	3	25	0.04	< 10	< 10	64	< 10	216
BB 00865	201	202	< 0.01	113	540	10	< 2	3	23	0.04	< 10	< 10	50	< 10	58
BB 00866	201	202	< 0.01	111	690	12	< 2	4	21	0.05	< 10	< 10	62	< 10	76
BB 00867	201	202	0.18	154	340	16	< 2	8	66	0.09	< 10	< 10	73	< 10	108

CERTIFICATION:

*Hart Bichler*



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To: EXPATRIATE RESOURCES LTD.  
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 Total Pages: 3  
 Certificate Date: 20-JUN-96  
 Invoice No.: I9620840  
 P.O. Number:  
 Account: MPO

Project: POWER PLAY  
 Comments:

## CERTIFICATE OF ANALYSIS A9620840

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
BB00018	201	202	0.4	1.25	12	510	< 0.5	< 2	0.60	< 0.5	13	50	32	2.72	< 10	< 1	0.08	10	0.66	375	1
BB00019	201	202	< 0.2	1.31	10	720	< 0.5	< 2	0.55	< 0.5	14	74	37	3.20	< 10	< 1	0.08	10	0.56	375	3
BB00020	201	202	0.6	1.68	14	810	< 0.5	< 2	1.18	0.5	16	94	102	3.59	< 10	< 1	0.21	10	1.53	560	2
BB00021	201	202	0.2	1.18	12	840	< 0.5	< 2	0.54	0.5	12	72	46	2.53	< 10	< 1	0.11	10	0.97	480	1
BB00022	201	202	0.2	1.61	10	580	0.5	< 2	0.38	< 0.5	11	53	33	2.81	< 10	< 1	0.11	10	0.71	435	1
BB00023	201	202	0.2	1.40	10	800	0.5	< 2	0.87	< 0.5	7	71	59	2.36	< 10	< 1	0.11	10	0.70	195	1
BB00024	201	202	< 0.2	1.30	14	980	0.5	< 2	0.46	< 0.5	13	90	75	3.11	< 10	< 1	0.09	10	0.76	405	1
BB00025	201	202	< 0.2	1.23	10	540	< 0.5	< 2	0.44	< 0.5	13	91	42	2.60	< 10	< 1	0.10	10	0.86	370	1
BB00026	201	202	< 0.2	1.43	10	700	0.5	< 2	0.42	< 0.5	12	90	47	2.72	< 10	< 1	0.12	10	0.73	310	2
BB00027	201	202	< 0.2	1.26	10	480	< 0.5	< 2	0.53	0.5	10	59	39	2.50	< 10	< 1	0.12	10	0.85	395	1
BB00028	201	202	0.2	1.22	12	880	< 0.5	< 2	1.22	< 0.5	9	78	55	2.74	< 10	< 1	0.09	10	0.80	275	1
BB00029	201	202	< 0.2	1.14	8	400	< 0.5	< 2	0.47	0.5	10	71	20	2.23	< 10	3	0.08	10	0.58	455	1
BB00030	201	202	< 0.2	1.64	8	780	< 0.5	< 2	0.48	< 0.5	15	79	32	3.36	< 10	< 1	0.10	10	0.79	420	3
BB00031	201	202	0.2	1.37	10	770	< 0.5	< 2	1.05	0.5	15	75	90	3.45	< 10	< 1	0.10	10	0.92	465	3
BB00032	201	202	0.2	1.49	4	770	< 0.5	< 2	0.43	1.0	12	41	16	2.84	< 10	< 1	0.05	10	0.39	935	1
BB00033	201	202	0.2	1.53	14	1000	0.5	< 2	0.64	< 0.5	11	74	63	2.91	< 10	< 1	0.09	20	0.59	660	2
BB00034	201	202	0.2	1.14	10	670	< 0.5	< 2	0.60	< 0.5	9	68	18	2.42	< 10	< 1	0.07	10	0.61	380	1
BB00035	201	202	< 0.2	1.59	10	790	0.5	< 2	0.46	< 0.5	11	65	26	2.84	< 10	< 1	0.09	10	0.52	440	1
BB00036	201	202	0.2	1.59	14	700	0.5	< 2	0.67	0.5	11	62	44	3.32	< 10	< 1	0.05	10	0.41	415	3
BB00037	201	202	< 0.2	1.74	10	870	0.5	< 2	0.43	< 0.5	16	89	38	3.22	< 10	< 1	0.09	10	0.69	460	1
BB00038	201	202	< 0.2	1.34	10	650	< 0.5	< 2	0.52	< 0.5	11	85	29	2.69	< 10	< 1	0.10	10	0.70	355	2
BB00039	201	202	0.6	1.53	8	680	< 0.5	< 2	0.99	0.5	15	67	38	3.01	< 10	< 1	0.07	10	0.68	990	2
BB00052	201	202	0.2	0.83	6	290	< 0.5	< 2	0.55	< 0.5	5	19	18	1.53	< 10	< 1	0.08	< 10	0.29	220	1
BB00053	201	202	0.4	1.80	14	630	0.5	< 2	0.86	1.0	17	55	57	3.91	< 10	< 1	0.19	10	1.14	545	2
BB00054	201	202	0.2	1.18	10	540	< 0.5	< 2	0.58	0.5	10	56	37	2.55	< 10	< 1	0.09	10	0.86	420	1
BB00055	201	202	< 0.2	1.41	10	640	0.5	< 2	0.36	< 0.5	10	37	33	2.66	< 10	< 1	0.07	10	0.63	420	1
BB00056	201	202	< 0.2	0.19	< 2	60	< 0.5	< 2	0.16	< 0.5	< 1	3	3	0.38	< 10	< 1	0.02	< 10	0.06	25	< 1
BB00057	201	202	0.2	1.40	12	500	0.5	< 2	0.80	< 0.5	14	37	23	2.99	< 10	< 1	0.07	10	0.64	910	4
BB00058	201	202	< 0.2	1.29	8	370	< 0.5	< 2	0.54	< 0.5	8	31	24	2.31	< 10	< 1	0.09	10	0.52	240	1
BB00059	201	202	0.6	1.83	10	620	0.5	< 2	1.15	0.5	12	49	44	3.06	< 10	< 1	0.12	10	0.80	1255	4
BB00060	201	202	0.2	1.36	8	460	< 0.5	< 2	0.84	< 0.5	7	44	17	2.15	< 10	< 1	0.10	10	0.64	350	1
BB00061	201	202	0.2	0.71	2	270	< 0.5	< 2	1.19	< 0.5	4	18	17	1.16	< 10	< 1	0.05	< 10	0.37	435	1
BB00062	201	202	0.2	1.73	8	510	0.5	< 2	0.80	0.5	9	41	18	2.69	< 10	< 1	0.09	10	0.61	245	1
BB00063	201	202	0.2	1.81	8	570	0.5	< 2	1.08	< 0.5	14	52	32	3.50	< 10	< 1	0.10	10	0.72	450	1
BB00064	201	202	0.2	1.71	6	450	0.5	< 2	1.14	0.5	10	47	30	2.78	< 10	< 1	0.09	10	0.78	340	1
BB00065	201	202	< 0.2	1.69	6	450	< 0.5	< 2	0.93	< 0.5	13	51	20	3.37	< 10	< 1	0.09	10	0.97	425	1
BB00066	201	202	0.4	1.25	6	780	0.5	< 2	1.45	0.5	9	42	34	2.14	< 10	< 1	0.11	10	0.65	360	< 1
BB00067	201	202	0.2	0.87	2	190	< 0.5	< 2	0.93	< 0.5	6	37	10	1.22	< 10	< 1	0.06	< 10	0.52	360	< 1
BB00068	201	202	0.2	1.00	8	590	< 0.5	< 2	0.46	< 0.5	9	54	29	2.25	< 10	< 1	0.06	10	0.45	285	2
BB00069	201	202	0.4	1.22	8	680	0.5	< 2	0.63	0.5	10	57	37	2.51	< 10	< 1	0.05	10	0.56	315	3

CERTIFICATION: Hart Buchler



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V6B 1L8

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Comments:

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P.O. Number :  
Account : MPO

## CERTIFICATE OF ANALYSIS A9620840

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
BB00018	201	202	0.01	67	510	30	2	5	28	0.02	< 10	< 10	38	< 10	100
BB00019	201	202	< 0.01	59	830	10	2	3	27	0.01	< 10	< 10	43	< 10	106
BB00020	201	202	< 0.01	122	1440	14	2	6	71	0.02	< 10	< 10	75	< 10	174
BB00021	201	202	0.01	88	1150	12	< 2	5	40	0.03	< 10	< 10	46	< 10	108
BB00022	201	202	0.01	55	490	12	< 2	4	23	0.03	< 10	< 10	47	< 10	84
BB00023	201	202	< 0.01	63	820	8	< 2	5	60	0.03	< 10	< 10	49	< 10	108
BB00024	201	202	< 0.01	86	570	10	2	6	29	0.03	< 10	< 10	49	< 10	104
BB00025	201	202	< 0.01	84	900	10	< 2	3	33	0.03	< 10	< 10	47	< 10	110
BB00026	201	202	< 0.01	70	550	10	< 2	6	29	0.03	< 10	< 10	50	< 10	72
BB00027	201	202	< 0.01	61	1090	10	< 2	5	36	0.03	< 10	< 10	45	< 10	110
BB00028	201	202	0.01	65	590	10	< 2	5	68	0.01	< 10	< 10	47	< 10	82
BB00029	201	202	< 0.01	42	550	8	< 2	3	25	0.04	< 10	< 10	46	< 10	100
BB00030	201	202	< 0.01	56	630	10	< 2	3	26	0.01	< 10	< 10	52	< 10	152
BB00031	201	202	< 0.01	79	1070	10	< 2	6	60	0.02	< 10	< 10	51	< 10	132
BB00032	201	202	< 0.01	26	390	14	< 2	3	22	0.03	< 10	< 10	52	< 10	170
BB00033	201	202	< 0.01	92	580	10	< 2	7	31	0.01	< 10	< 10	47	< 10	86
BB00034	201	202	0.01	41	490	8	< 2	4	20	0.03	< 10	< 10	45	< 10	60
BB00035	201	202	< 0.01	47	480	8	< 2	4	20	0.01	< 10	< 10	48	< 10	74
BB00036	201	202	0.01	60	630	18	2	6	29	0.01	< 10	< 10	62	< 10	122
BB00037	201	202	< 0.01	74	500	10	< 2	5	23	0.02	< 10	< 10	53	< 10	94
BB00038	201	202	< 0.01	57	520	8	< 2	4	27	0.04	< 10	< 10	53	< 10	104
BB00039	201	202	0.01	66	590	12	< 2	4	51	0.03	< 10	< 10	54	< 10	84
BB00052	201	202	0.06	15	940	6	< 2	1	33	0.02	< 10	< 10	32	< 10	68
BB00053	201	202	0.01	68	1440	14	< 2	7	57	0.03	< 10	< 10	60	< 10	162
BB00054	201	202	0.01	65	1060	12	2	5	40	0.02	< 10	< 10	41	< 10	114
BB00055	201	202	0.01	49	460	12	< 2	4	21	0.01	< 10	< 10	38	< 10	82
BB00056	201	202	0.03	3	210	< 2	< 2	< 1	10	0.01	< 10	< 10	12	< 10	8
BB00057	201	202	0.01	26	1270	10	< 2	4	47	0.03	< 10	< 10	45	< 10	94
BB00058	201	202	0.02	24	850	12	< 2	3	31	0.02	< 10	< 10	35	< 10	86
BB00059	201	202	0.01	36	1200	10	< 2	6	63	0.03	< 10	< 10	57	< 10	118
BB00060	201	202	0.01	24	1130	10	< 2	4	47	0.03	< 10	< 10	46	< 10	78
BB00061	201	202	0.05	16	790	4	< 2	1	54	0.02	< 10	< 10	22	< 10	56
BB00062	201	202	< 0.01	25	870	14	< 2	5	45	0.05	< 10	< 10	43	< 10	92
BB00063	201	202	0.01	40	1310	10	< 2	7	63	0.06	< 10	< 10	53	< 10	96
BB00064	201	202	0.02	30	1190	8	< 2	6	61	0.06	< 10	< 10	49	< 10	122
BB00065	201	202	0.02	31	1280	8	< 2	6	53	0.06	< 10	< 10	48	< 10	100
BB00066	201	202	0.01	45	880	10	< 2	4	65	0.03	< 10	< 10	46	< 10	86
BB00067	201	202	0.03	18	460	6	< 2	1	36	0.03	< 10	< 10	31	< 10	94
BB00068	201	202	< 0.01	48	380	18	< 2	3	32	0.02	< 10	< 10	35	< 10	86
BB00069	201	202	< 0.01	63	660	12	< 2	4	28	0.01	< 10	< 10	45	< 10	136

CERTIFICATION:

*Handwritten signature*



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Analytical Chemists \* Geochemists \* Registered Assayers

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## CERTIFICATE OF ANALYSIS A9620840

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
BB00070	201	202	1.6	0.61	20	240	< 0.5	< 2	2.44	3.0	9	29	98	2.48	< 10	< 1	0.12	10	0.83	330	14
BB00071	201	202	0.4	1.10	12	510	< 0.5	< 2	1.85	1.0	9	39	55	2.21	< 10	< 1	0.06	10	0.79	195	1
BB00072	201	202	0.6	0.84	2	660	< 0.5	< 2	3.18	2.0	4	21	44	1.10	< 10	< 1	0.04	< 10	0.47	170	< 1
BB00073	201	202	0.4	1.00	20	390	< 0.5	< 2	1.16	0.5	15	42	44	3.13	< 10	< 1	0.08	10	0.68	840	2
BB00074	201	202	< 0.2	1.28	8	420	< 0.5	< 2	0.44	< 0.5	9	64	14	2.33	< 10	< 1	0.08	10	0.57	300	1
BB00075	201	202	0.2	1.17	10	500	< 0.5	< 2	1.08	0.5	8	49	27	2.27	< 10	< 1	0.10	10	0.62	390	1
BB00076	201	202	0.2	1.45	10	1140	0.5	< 2	0.86	< 0.5	14	65	61	2.65	< 10	< 1	0.10	10	0.80	370	< 1
BB00077	201	202	0.2	1.09	10	360	< 0.5	< 2	0.70	< 0.5	9	58	16	1.90	< 10	< 1	0.12	10	0.70	410	1
BB00078	201	202	0.2	1.47	12	450	0.5	< 2	0.88	< 0.5	10	57	40	2.75	< 10	< 1	0.12	10	0.87	320	1
BB00079	201	202	0.4	1.52	14	770	< 0.5	< 2	0.79	0.5	14	61	47	3.41	< 10	< 1	0.09	20	0.83	700	2
BB00080	201	202	0.2	1.76	24	350	< 0.5	< 2	0.41	< 0.5	17	56	43	3.91	< 10	< 1	0.17	10	1.09	490	2
BB00081	201	202	0.2	1.03	10	420	< 0.5	< 2	0.61	< 0.5	7	39	27	1.91	< 10	< 1	0.09	10	0.47	450	1
BB00082	201	202	0.2	1.74	16	590	0.5	< 2	0.71	0.5	14	43	40	3.48	< 10	< 1	0.15	20	0.84	555	1
BB00083	201	202	1.0	1.04	28	500	< 0.5	< 2	1.61	1.0	13	36	70	2.80	< 10	< 1	0.15	10	0.86	330	10
BB00084	201	202	0.2	0.97	52	330	0.5	< 2	1.37	< 0.5	10	38	98	3.86	< 10	< 1	0.11	10	0.29	390	14
BB00085	201	202	0.2	1.58	10	550	< 0.5	< 2	0.25	2.5	15	60	13	3.06	< 10	< 1	0.11	10	0.49	1280	1
BB00086	201	202	0.4	0.91	26	520	< 0.5	< 2	3.16	1.0	11	41	42	2.24	< 10	< 1	0.10	10	1.22	430	1
BB00087	201	202	0.2	1.27	18	220	< 0.5	< 2	0.56	< 0.5	14	72	12	2.98	< 10	< 1	0.09	10	0.90	350	1
BB00088	201	202	0.2	1.11	20	280	< 0.5	< 2	0.48	0.5	9	41	29	2.52	< 10	< 1	0.09	10	0.75	240	1
BB00089	201	202	0.6	1.14	24	400	< 0.5	< 2	1.28	0.5	12	33	57	3.07	< 10	< 1	0.07	10	0.73	515	1
BB00090	201	202	0.8	1.37	20	430	< 0.5	< 2	0.92	0.5	14	49	76	3.47	< 10	< 1	0.10	10	0.83	455	3
BB00091	201	202	1.2	1.31	6	590	0.5	< 2	0.86	2.5	10	45	43	2.68	< 10	< 1	0.07	10	0.52	685	1
BB00092	201	202	< 0.2	1.51	8	520	< 0.5	< 2	0.46	< 0.5	8	57	14	2.49	< 10	< 1	0.09	10	0.39	145	2
BB00093	201	202	0.6	0.86	10	280	< 0.5	< 2	0.41	< 0.5	8	57	27	2.50	< 10	< 1	0.06	10	0.63	185	3
BB00094	201	202	< 0.2	0.99	10	400	< 0.5	< 2	0.30	< 0.5	11	43	18	3.51	< 10	< 1	0.06	10	0.22	610	1
BB00095	201	202	< 0.2	1.57	8	520	0.5	< 2	0.58	< 0.5	9	34	30	2.92	< 10	< 1	0.08	10	0.67	255	1
BB00096	201	202	< 0.2	2.07	6	690	0.5	< 2	0.54	< 0.5	13	39	22	3.37	< 10	< 1	0.06	10	0.79	360	1
BB00097	201	202	0.2	1.96	8	670	0.5	< 2	0.84	< 0.5	17	56	44	4.18	< 10	< 1	0.07	10	1.17	635	4
BB00098	201	202	< 0.2	0.76	2	160	< 0.5	< 2	0.16	0.5	4	27	10	1.69	< 10	< 1	0.05	< 10	0.26	120	1
BB00099	201	202	< 0.2	0.70	6	140	< 0.5	< 2	0.14	< 0.5	4	21	10	1.71	< 10	< 1	0.05	< 10	0.18	230	1
BB00100	201	202	< 0.2	0.90	8	300	< 0.5	< 2	0.68	< 0.5	7	37	12	1.82	< 10	< 1	0.06	< 10	0.51	325	< 1
BB00101	201	202	0.6	0.97	12	470	< 0.5	< 2	0.61	< 0.5	13	74	32	2.50	< 10	< 1	0.07	10	0.70	405	1
BB00102	201	202	< 0.2	1.15	10	510	< 0.5	< 2	0.60	0.5	15	155	20	2.64	< 10	< 1	0.08	10	0.98	670	1
BB00103	201	202	0.2	1.05	8	500	< 0.5	< 2	0.62	0.5	10	81	39	2.35	< 10	< 1	0.08	10	0.81	360	1
BB00104	201	202	0.2	1.04	6	580	< 0.5	< 2	0.71	< 0.5	10	65	31	1.89	< 10	< 1	0.08	10	0.60	455	1
BB00105	201	202	0.2	0.94	8	400	< 0.5	< 2	0.60	< 0.5	7	72	37	2.13	< 10	< 1	0.07	10	0.82	235	1
BB00106	201	202	0.2	0.92	10	590	< 0.5	< 2	0.56	< 0.5	8	68	44	2.29	< 10	< 1	0.10	10	0.75	200	1
BB00107	201	202	< 0.2	0.84	8	240	< 0.5	< 2	0.63	< 0.5	7	76	22	1.91	< 10	< 1	0.06	10	0.66	195	1
BB00108	201	202	0.2	0.94	12	890	< 0.5	< 2	0.90	< 0.5	15	94	41	2.54	< 10	< 1	0.10	10	1.50	380	1
BB00109	201	202	0.4	1.17	8	640	< 0.5	< 2	0.82	0.5	12	65	69	2.20	< 10	< 1	0.08	10	1.00	655	1

CERTIFICATION: \_\_\_\_\_



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			%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
BB00070	201	202	0.01	87	2490	20	4	3	58	< 0.01	< 10	< 10	67	< 10	416
BB00071	201	202	0.01	51	1140	12	< 2	4	73	0.02	< 10	< 10	34	< 10	80
BB00072	201	202	0.04	29	700	8	< 2	1	95	0.01	< 10	< 10	24	< 10	84
BB00073	201	202	< 0.01	56	1550	12	< 2	4	50	0.01	< 10	< 10	33	< 10	106
BB00074	201	202	0.01	39	410	10	< 2	3	24	0.03	< 10	< 10	50	< 10	98
BB00075	201	202	0.02	32	1000	10	< 2	4	52	0.03	< 10	< 10	46	< 10	90
BB00076	201	202	< 0.01	67	830	14	< 2	6	39	0.03	< 10	< 10	48	< 10	80
BB00077	201	202	0.01	40	680	14	< 2	3	31	0.03	< 10	< 10	47	< 10	96
BB00078	201	202	0.01	49	790	12	< 2	5	32	0.03	< 10	< 10	52	< 10	104
BB00079	201	202	0.01	72	1220	16	< 2	7	40	0.04	< 10	< 10	52	< 10	102
BB00080	201	202	< 0.01	56	330	8	< 2	7	19	0.06	< 10	< 10	62	< 10	68
BB00081	201	202	0.02	38	770	8	< 2	3	27	0.02	< 10	< 10	40	< 10	76
BB00082	201	202	0.01	50	800	14	< 2	6	43	0.04	< 10	< 10	49	< 10	132
BB00083	201	202	0.01	78	2090	20	4	3	83	0.02	< 10	< 10	49	< 10	108
BB00084	201	202	< 0.01	68	5860	16	8	4	41	0.01	< 10	< 10	76	< 10	140
BB00085	201	202	< 0.01	33	610	14	2	3	13	0.03	< 10	< 10	57	< 10	326
BB00086	201	202	< 0.01	53	1130	12	< 2	4	71	0.04	< 10	< 10	42	< 10	100
BB00087	201	202	< 0.01	38	770	12	< 2	4	22	0.06	< 10	< 10	51	< 10	134
BB00088	201	202	0.01	49	540	10	< 2	4	26	0.03	< 10	< 10	40	< 10	88
BB00089	201	202	0.01	45	880	14	< 2	5	40	0.02	< 10	< 10	35	< 10	124
BB00090	201	202	0.01	61	890	18	< 2	5	41	0.03	< 10	< 10	52	< 10	102
BB00091	201	202	0.01	49	820	14	< 2	4	36	0.03	< 10	< 10	45	< 10	356
BB00092	201	202	< 0.01	32	390	10	< 2	3	23	0.03	< 10	< 10	56	< 10	86
BB00093	201	202	< 0.01	48	530	10	< 2	4	19	0.01	< 10	< 10	35	< 10	86
BB00094	201	202	< 0.01	28	470	10	< 2	3	14	< 0.01	< 10	< 10	26	< 10	46
BB00095	201	202	< 0.01	33	850	14	< 2	4	38	0.01	< 10	< 10	37	< 10	90
BB00096	201	202	0.01	32	570	10	< 2	5	35	0.03	< 10	< 10	45	< 10	90
BB00097	201	202	< 0.01	53	1160	10	< 2	8	46	0.04	< 10	< 10	54	< 10	102
BB00098	201	202	< 0.01	16	340	6	< 2	1	11	0.01	< 10	< 10	29	< 10	44
BB00099	201	202	0.01	13	280	6	< 2	< 1	8	0.01	< 10	< 10	35	< 10	42
BB00100	201	202	< 0.01	21	480	8	< 2	2	26	0.02	< 10	< 10	36	< 10	74
BB00101	201	202	< 0.01	59	630	8	< 2	5	38	0.02	< 10	< 10	38	< 10	78
BB00102	201	202	< 0.01	61	1290	12	< 2	4	40	0.03	< 10	< 10	53	< 10	132
BB00103	201	202	0.01	68	710	8	< 2	4	36	0.03	< 10	< 10	43	< 10	102
BB00104	201	202	0.02	50	510	8	< 2	3	37	0.03	< 10	< 10	39	< 10	78
BB00105	201	202	< 0.01	64	690	8	< 2	4	37	0.02	< 10	< 10	37	< 10	88
BB00106	201	202	< 0.01	62	1240	10	< 2	4	46	0.02	< 10	< 10	40	< 10	94
BB00107	201	202	0.01	51	850	6	< 2	3	37	0.03	< 10	< 10	38	< 10	80
BB00108	201	202	< 0.01	163	320	12	2	5	38	0.01	< 10	< 10	44	< 10	66
BB00109	201	202	< 0.01	113	780	10	< 2	5	48	0.01	< 10	< 10	37	< 10	74

CERTIFICATION: \_\_\_\_\_



# Chemex Labs Ltd.

Analytical Chemists \* Geochemists \* Registered Assayers

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

Project : POWER PLAY  
Comments:

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Certificate Date: 20-JUN-96  
Invoice No. : I9620840  
P.O. Number :  
Account : MPO

## CERTIFICATE OF ANALYSIS A9620840

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
BB00110	201 202	0.2	0.73	2	590	< 0.5	< 2	1.83	0.5	6	34	20	1.16	< 10	< 1	0.04	< 10	0.75	200	< 1
BB00111	201 202	< 0.2	0.87	6	340	< 0.5	< 2	0.40	< 0.5	5	41	17	1.61	< 10	< 1	0.07	10	0.46	220	1
BB00112	201 202	< 0.2	1.33	6	340	< 0.5	< 2	0.85	0.5	5	29	13	1.88	< 10	< 1	0.07	10	0.50	170	< 1
BB00113	201 202	0.2	1.22	14	550	< 0.5	< 2	0.97	1.0	13	62	41	2.53	< 10	< 1	0.15	10	0.96	810	1
BB00114	201 202	0.4	1.60	52	460	< 0.5	< 2	2.48	0.5	24	46	75	4.85	< 10	< 1	0.19	10	1.71	415	2
BB00115	201 202	0.2	1.54	38	500	< 0.5	< 2	0.99	0.5	20	43	76	4.21	< 10	< 1	0.20	10	1.12	595	2
BB00116	201 202	0.8	1.56	34	660	0.5	< 2	1.01	1.5	12	45	89	3.63	< 10	< 1	0.13	10	0.94	315	4
BB00117	201 202	0.2	2.05	8	610	0.5	< 2	0.81	< 0.5	10	49	32	3.42	< 10	< 1	0.13	30	0.98	305	< 1
BB00118	201 202	< 0.2	1.04	< 2	320	< 0.5	< 2	0.33	< 0.5	1	25	10	0.81	< 10	< 1	0.07	10	0.28	55	< 1
BB00119	201 202	< 0.2	1.06	6	190	< 0.5	< 2	0.28	< 0.5	4	36	8	1.51	< 10	< 1	0.09	10	0.43	105	1
BB00120	201 202	0.4	1.44	26	460	< 0.5	< 2	1.07	0.5	15	42	48	3.61	< 10	< 1	0.22	20	0.94	470	2
BB00121	201 202	0.2	1.95	498	330	< 0.5	< 2	0.62	0.5	22	92	75	4.73	< 10	< 1	0.13	10	1.54	620	1
BB00122	201 202	0.2	1.14	32	570	< 0.5	< 2	0.71	0.5	13	64	52	2.68	< 10	< 1	0.11	10	0.97	390	1
BB00123	201 202	< 0.2	2.30	154	710	0.5	< 2	0.63	< 0.5	22	94	51	4.28	< 10	< 1	0.08	10	1.19	590	1
BB00124	201 202	0.2	2.50	38	340	< 0.5	< 2	1.96	< 0.5	32	88	91	5.68	< 10	< 1	0.22	10	2.17	460	1
BB00125	201 202	0.2	1.31	40	300	< 0.5	< 2	0.63	0.5	13	41	52	3.39	< 10	< 1	0.11	10	0.79	445	3
BB00126	201 202	0.2	1.44	14	470	0.5	< 2	1.02	0.5	13	40	42	3.14	< 10	< 1	0.08	10	0.87	530	3
BB00127	201 202	0.4	1.70	6	610	0.5	< 2	1.01	0.5	10	36	27	2.81	< 10	< 1	0.09	10	0.81	515	< 1
BB00128	201 202	< 0.2	1.28	10	350	< 0.5	< 2	0.51	< 0.5	7	30	10	2.18	< 10	< 1	0.06	10	0.58	280	1
BB00129	201 202	0.8	1.50	10	950	0.5	< 2	1.02	1.5	11	34	55	2.28	< 10	< 1	0.09	10	0.49	1065	1
BB00130	201 202	0.2	1.53	8	280	< 0.5	< 2	0.65	0.5	7	40	20	2.40	< 10	< 1	0.12	10	0.70	185	< 1
BB00131	201 202	< 0.2	1.07	10	260	< 0.5	< 2	0.37	< 0.5	7	28	15	2.00	< 10	< 1	0.09	10	0.46	195	< 1
BB00132	201 202	0.4	1.55	578	460	< 0.5	< 2	0.77	0.5	17	53	39	3.98	< 10	< 1	0.09	10	0.86	510	1
BB00133	201 202	0.4	1.84	22	730	0.5	< 2	0.64	< 0.5	12	50	58	3.69	< 10	< 1	0.13	10	0.89	410	3
BB00134	201 202	< 0.2	1.27	12	560	< 0.5	< 2	0.53	< 0.5	9	39	31	2.78	< 10	< 1	0.08	10	0.69	230	1
BB00135	201 202	0.2	1.61	32	550	< 0.5	< 2	0.63	0.5	19	32	51	4.37	< 10	< 1	0.16	10	1.05	420	3
BB00136	201 202	< 0.2	1.17	8	510	< 0.5	< 2	0.37	< 0.5	8	38	23	2.10	< 10	< 1	0.06	10	0.45	190	2
BB00137	201 202	0.2	1.99	6	740	0.5	< 2	0.27	0.5	11	41	21	3.25	< 10	< 1	0.09	10	0.64	300	1
BB00138	201 202	0.4	2.01	10	710	0.5	< 2	0.73	< 0.5	9	45	43	3.37	< 10	< 1	0.08	20	0.92	255	1
BB00139	201 202	0.2	1.94	30	860	0.5	< 2	0.41	0.5	15	47	68	3.73	< 10	< 1	0.10	20	0.63	465	5
BB00140	201 202	0.4	1.98	10	690	0.5	< 2	0.76	< 0.5	11	47	38	3.13	< 10	< 1	0.14	20	0.62	370	2
BB00141	201 202	< 0.2	1.56	12	580	< 0.5	< 2	0.44	< 0.5	12	44	20	2.78	< 10	< 1	0.16	10	0.69	385	1
BB00142	201 202	< 0.2	1.59	10	510	< 0.5	< 2	0.30	< 0.5	7	38	15	2.30	< 10	< 1	0.11	10	0.46	200	2
BB00143	201 202	< 0.2	2.06	22	710	< 0.5	< 2	0.31	< 0.5	15	29	19	3.94	< 10	< 1	0.16	10	1.18	325	2
BB00146	201 202	< 0.2	1.17	10	480	< 0.5	< 2	0.48	< 0.5	8	35	24	2.21	< 10	< 1	0.08	10	0.53	265	2
BB00147	201 202	0.2	1.19	26	500	< 0.5	< 2	1.08	0.5	15	28	58	3.46	< 10	< 1	0.12	10	0.72	580	2
BB00148	201 202	0.2	1.71	26	400	< 0.5	< 2	1.66	0.5	20	31	55	4.35	< 10	< 1	0.41	10	1.56	405	1
BB00149	201 202	< 0.2	2.02	44	530	0.5	< 2	0.75	< 0.5	20	55	79	4.69	< 10	< 1	0.10	10	1.21	445	1
BB00150	201 202	0.2	1.74	10	500	< 0.5	< 2	1.18	0.5	14	57	59	3.34	< 10	< 1	0.13	10	1.30	710	< 1

CERTIFICATION: \_\_\_\_\_



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VANCOUVER, BC  
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Project : POWER PLAY  
Comments:

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Total Pages : 3  
Certificate Date: 20-JUN-96  
Invoice No. : 19620840  
P.O. Number :  
Account : MPO

## CERTIFICATE OF ANALYSIS A9620840

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
BB00110	201 202	0.03	57	720	6	2	1	85	0.01	< 10	< 10	20	< 10	62
BB00111	201 202	< 0.01	26	600	8	< 2	2	24	0.03	< 10	< 10	32	< 10	58
BB00112	201 202	0.03	16	950	12	< 2	3	39	0.03	< 10	< 10	33	< 10	90
BB00113	201 202	0.01	59	1250	12	< 2	4	52	0.05	< 10	< 10	55	< 10	126
BB00114	201 202	< 0.01	68	1480	10	< 2	5	59	0.04	< 10	< 10	49	< 10	94
BB00115	201 202	< 0.01	63	1520	10	< 2	6	42	0.04	< 10	< 10	53	< 10	108
BB00116	201 202	0.01	62	1160	12	< 2	6	72	0.03	< 10	< 10	57	< 10	134
BB00117	201 202	0.01	41	790	10	< 2	6	51	0.06	< 10	< 10	51	< 10	118
BB00118	201 202	< 0.01	8	370	6	< 2	1	18	0.03	< 10	< 10	38	< 10	56
BB00119	201 202	< 0.01	17	650	6	< 2	1	16	0.04	< 10	< 10	44	< 10	70
BB00120	201 202	< 0.01	61	990	12	< 2	5	42	0.05	< 10	< 10	52	< 10	112
BB00121	201 202	< 0.01	86	1200	10	< 2	8	28	0.03	< 10	< 10	75	< 10	116
BB00122	201 202	0.01	88	1280	10	< 2	5	39	0.03	< 10	< 10	48	< 10	128
BB00123	201 202	< 0.01	71	500	10	< 2	9	22	0.02	< 10	< 10	71	< 10	78
BB00124	201 202	0.01	112	1270	8	< 2	7	43	0.07	< 10	< 10	69	< 10	92
BB00125	201 202	< 0.01	52	780	12	< 2	5	29	0.01	< 10	< 10	46	< 10	134
BB00126	201 202	0.01	46	1100	12	< 2	5	61	0.03	< 10	< 10	45	< 10	100
BB00127	201 202	0.01	37	640	8	< 2	5	49	0.03	< 10	< 10	38	< 10	112
BB00128	201 202	0.01	19	520	12	< 2	2	28	0.03	< 10	< 10	40	< 10	66
BB00129	201 202	0.02	64	700	10	< 2	4	50	0.03	< 10	< 10	48	< 10	144
BB00130	201 202	0.01	27	370	12	< 2	4	31	0.04	< 10	< 10	45	< 10	90
BB00131	201 202	0.03	22	270	6	< 2	2	17	0.04	< 10	< 10	32	< 10	42
BB00132	201 202	< 0.01	50	590	10	2	5	30	0.02	< 10	< 10	55	< 10	82
BB00133	201 202	0.01	58	860	12	< 2	6	35	0.05	< 10	< 10	59	< 10	106
BB00134	201 202	0.01	39	710	10	< 2	3	30	0.03	< 10	< 10	42	< 10	72
BB00135	201 202	< 0.01	54	890	12	< 2	5	27	0.04	< 10	< 10	49	< 10	96
BB00136	201 202	< 0.01	30	1030	8	< 2	1	20	0.01	< 10	< 10	38	< 10	62
BB00137	201 202	< 0.01	33	810	12	< 2	4	19	0.03	< 10	< 10	48	< 10	172
BB00138	201 202	0.01	44	840	10	< 2	6	42	0.05	< 10	< 10	49	< 10	82
BB00139	201 202	0.01	59	370	14	2	7	29	0.01	< 10	< 10	57	< 10	106
BB00140	201 202	0.01	43	420	14	< 2	6	39	0.03	< 10	< 10	65	< 10	100
BB00141	201 202	< 0.01	37	620	8	< 2	3	28	0.04	< 10	< 10	53	< 10	76
BB00142	201 202	< 0.01	25	740	10	< 2	3	20	0.03	< 10	< 10	59	< 10	86
BB00143	201 202	0.01	29	630	8	< 2	3	21	0.04	< 10	< 10	62	< 10	60
BB00146	201 202	0.01	32	950	8	< 2	3	26	0.01	< 10	< 10	40	< 10	64
BB00147	201 202	< 0.01	46	1250	10	< 2	4	44	0.02	< 10	< 10	40	< 10	70
BB00148	201 202	< 0.01	53	1390	8	< 2	5	49	0.09	< 10	< 10	52	< 10	88
BB00149	201 202	< 0.01	63	760	12	< 2	7	24	0.03	< 10	< 10	60	< 10	86
BB00150	201 202	0.03	43	1000	10	< 2	5	59	0.07	< 10	< 10	69	< 10	126

CERTIFICATION:

*Hant Bichler*



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Invoice No. : 19620036  
P.O. Number : Play  
Account : MPO

Project : *LAY*  
Comments :

## CERTIFICATE OF ANALYSIS A9620036

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
BB00001	201	202	< 0.2	1.04	10	410	< 0.5	< 2	0.49	< 0.5	14	125	19	2.52	< 10	< 1	0.05	10	1.71	405	< 1
BB00002	201	202	< 0.2	1.43	10	730	< 0.5	< 2	0.24	< 0.5	11	88	21	2.79	< 10	1	0.08	10	1.16	380	1
BB00003	201	202	< 0.2	1.39	6	570	< 0.5	< 2	0.11	< 0.5	11	55	16	2.16	< 10	< 1	0.07	10	0.51	380	1
BB00004	201	202	< 0.2	1.50	8	1050	< 0.5	< 2	0.19	< 0.5	8	69	12	2.46	< 10	< 1	0.08	10	0.77	360	1
BB00005	201	202	< 0.2	1.57	8	1150	< 0.5	< 2	0.19	< 0.5	11	74	15	2.77	< 10	< 1	0.08	10	0.60	365	1
BB00006	201	202	< 0.2	1.51	8	810	< 0.5	2	0.32	< 0.5	18	218	15	2.90	< 10	< 1	0.08	< 10	1.23	445	< 1
BB00007	201	202	< 0.2	1.38	8	560	< 0.5	2	0.35	0.5	34	326	9	2.67	< 10	< 1	0.08	10	2.63	545	< 1
BB00008	201	202	< 0.2	1.38	6	730	< 0.5	2	0.37	< 0.5	13	96	26	2.72	< 10	< 1	0.09	10	1.31	385	< 1
BB00009	201	202	< 0.2	1.57	8	1100	< 0.5	< 2	0.37	< 0.5	15	91	28	2.74	< 10	< 1	0.12	10	0.95	755	1
BB00010	201	202	< 0.2	1.71	12	1000	0.5	< 2	0.41	< 0.5	13	135	42	3.26	< 10	1	0.14	10	1.31	600	1
BB00011	201	202	0.2	1.88	12	870	< 0.5	2	0.63	< 0.5	15	105	21	3.02	< 10	< 1	0.19	10	1.06	525	1
BB00012	201	202	0.4	1.73	10	1150	0.5	< 2	1.04	0.5	16	89	88	2.48	< 10	< 1	0.14	10	1.04	985	1
BB00013	201	202	0.2	1.60	16	1130	0.5	2	0.55	< 0.5	25	150	46	3.11	< 10	1	0.12	10	2.22	880	< 1
BB00014	201	202	0.2	1.32	12	770	< 0.5	2	1.08	0.5	18	125	33	2.52	< 10	< 1	0.15	10	2.56	490	1
BB00015	201	202	0.2	1.28	12	680	< 0.5	2	0.87	0.5	17	111	31	2.69	< 10	< 1	0.12	10	1.83	450	1
BB00017	201	202	0.2	1.36	10	1040	< 0.5	2	0.52	< 0.5	18	118	34	2.73	< 10	1	0.14	10	2.21	610	< 1
BB00040	201	202	0.2	0.93	14	420	< 0.5	< 2	0.56	0.5	8	43	31	2.08	< 10	< 1	0.08	10	0.61	270	2
BB00041	201	202	0.2	1.23	14	790	< 0.5	2	0.42	2.5	12	73	31	2.69	< 10	< 1	0.09	10	0.93	475	2
BB00042	201	202	< 0.2	1.53	10	1020	0.5	< 2	0.41	1.5	15	71	35	2.43	< 10	1	0.09	10	0.68	540	1
BB00043	201	202	0.2	1.04	14	940	< 0.5	2	0.50	< 0.5	16	92	40	2.61	< 10	< 1	0.07	10	2.04	275	1
BB00044	201	202	0.2	1.00	18	860	< 0.5	2	0.72	0.5	18	96	41	2.59	< 10	1	0.09	10	2.23	350	1
BB00045	201	202	< 0.2	1.48	10	780	< 0.5	< 2	0.28	0.5	11	72	13	2.40	< 10	< 1	0.08	10	0.71	305	1
BB00046	201	202	< 0.2	1.36	12	850	< 0.5	< 2	0.35	0.5	9	77	21	2.34	< 10	< 1	0.09	10	0.80	260	1
BB00047	201	202	< 0.2	1.56	12	1560	< 0.5	< 2	1.57	1.0	15	153	46	2.70	< 10	< 1	0.22	10	1.59	505	1
BB00048	201	202	0.4	1.16	12	880	< 0.5	< 2	0.47	1.0	7	76	67	2.17	< 10	1	0.11	10	0.87	235	1
BB00049	201	202	0.2	0.96	8	350	< 0.5	< 2	0.80	< 0.5	8	54	16	1.81	< 10	< 1	0.07	< 10	0.75	395	1
BB00050	201	202	< 0.2	1.11	10	320	< 0.5	< 2	0.29	< 0.5	8	49	18	2.30	< 10	< 1	0.08	10	0.64	210	1
BB00051	201	202	< 0.2	1.32	12	590	< 0.5	< 2	0.33	< 0.5	12	77	33	2.62	< 10	< 1	0.11	10	0.86	380	1

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*Handwritten signature*



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Invoice No. : I9620036  
P.O. Number : Play  
Account : MPO

Project : *PLAY*  
Comments :

## CERTIFICATE OF ANALYSIS A9620036

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
BB00001	201	202	0.01	98	310	8	< 2	4	20	0.04	< 10	< 10	43	< 10	60
BB00002	201	202	< 0.01	64	360	10	< 2	3	18	0.02	< 10	< 10	50	< 10	62
BB00003	201	202	0.01	36	270	8	< 2	2	11	0.01	< 10	< 10	47	< 10	68
BB00004	201	202	0.01	40	290	8	< 2	3	16	0.02	< 10	< 10	59	< 10	108
BB00005	201	202	< 0.01	44	250	10	< 2	3	12	0.01	< 10	< 10	54	< 10	80
BB00006	201	202	0.03	125	310	6	< 2	4	24	0.04	< 10	< 10	51	< 10	54
BB00007	201	202	< 0.01	142	440	6	< 2	4	20	0.03	< 10	< 10	58	< 10	68
BB00008	201	202	< 0.01	92	270	8	< 2	4	20	0.02	< 10	< 10	42	< 10	74
BB00009	201	202	0.01	91	310	8	< 2	5	21	0.02	< 10	< 10	48	< 10	68
BB00010	201	202	< 0.01	122	450	12	< 2	8	26	0.02	< 10	< 10	58	< 10	82
BB00011	201	202	< 0.01	96	330	12	< 2	5	41	0.01	< 10	< 10	54	< 10	82
BB00012	201	202	0.02	135	690	10	< 2	5	58	0.01	< 10	< 10	51	< 10	90
BB00013	201	202	0.01	206	430	10	< 2	6	33	0.01	< 10	< 10	48	< 10	76
BB00014	201	202	0.01	202	870	10	< 2	6	66	0.01	< 10	< 10	47	< 10	100
BB00015	201	202	0.01	137	730	10	< 2	5	49	0.02	< 10	< 10	46	< 10	84
BB00017	201	202	0.01	172	620	12	< 2	5	35	0.02	< 10	< 10	49	< 10	82
BB00040	201	202	0.01	49	720	10	< 2	3	47	0.01	< 10	< 10	40	< 10	146
BB00041	201	202	< 0.01	81	630	10	< 2	3	33	0.01	< 10	< 10	49	< 10	142
BB00042	201	202	< 0.01	61	670	10	< 2	4	31	0.02	< 10	< 10	55	< 10	184
BB00043	201	202	< 0.01	174	650	10	< 2	4	35	0.02	< 10	< 10	43	< 10	80
BB00044	201	202	< 0.01	185	870	10	< 2	4	38	0.01	< 10	< 10	44	< 10	92
BB00045	201	202	< 0.01	49	460	8	< 2	3	21	0.03	< 10	< 10	60	< 10	118
BB00046	201	202	< 0.01	66	510	8	< 2	3	25	0.02	< 10	< 10	54	< 10	86
BB00047	201	202	0.01	150	800	10	< 2	6	69	0.05	< 10	< 10	66	< 10	154
BB00048	201	202	< 0.01	94	940	8	< 2	6	41	0.03	< 10	< 10	53	< 10	158
BB00049	201	202	0.01	40	980	8	< 2	3	50	0.02	< 10	< 10	38	< 10	104
BB00050	201	202	< 0.01	39	280	8	< 2	2	16	0.03	< 10	< 10	42	< 10	74
BB00051	201	202	< 0.01	79	370	10	< 2	4	21	0.03	< 10	< 10	53	< 10	110

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Project: FP (PLAY)  
Comments:

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Invoice No.: I9612383  
P.O. Number:  
Account: MPO

## CERTIFICATE OF ANALYSIS

### A9612383

SAMPLE	PREP CODE	Au ppb FA+AA										
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T37458	244 --	< 5										
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T37464	244 --	< 5										
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T37481	244 --	< 5										

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Project : FP (PLAY)  
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## CERTIFICATE OF ANALYSIS

### A9612383

SAMPLE	PREP CODE	Au ppb FA+AA									
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T37521	244 --	< 5									

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SAMPLE	PREP CODE	Au ppb FA+AA										
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T37561	244 --	< 5										

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## CERTIFICATE OF ANALYSIS

### A9612383

SAMPLE	PREP CODE	Au ppb FA+AA										
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T37600	244 --	< 5										
T37601	244 --	< 5										

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## CERTIFICATE OF ANALYSIS

### A9612383

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## CERTIFICATE OF ANALYSIS

## A9612383

SAMPLE	PREP CODE	Au ppb FA+AA										
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Project : FP (PLAY)  
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Account : MPO

## CERTIFICATE OF ANALYSIS

### A9612383

SAMPLE	PREP CODE	Au ppb FA+AA										
T37682	244 --	< 5										
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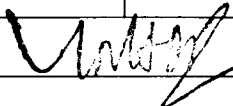
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Project : FP (PLAY)  
Comments:

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## CERTIFICATE OF ANALYSIS A9612382

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Comments:

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P.O. Number :  
Account : MPO

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## A9612382

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SAMPLE	PREP CODE	Au ppb FA+AA										
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T37332	244 --	< 5										
T37333	244 --	< 5										
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T37335	244 --	< 5										
T37336	244 --	< 5										
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T37338	244 --	< 5										
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T37357	244 --	< 5										
T37358	244 --	55										
T37359	244 --	< 5										
T37360	244 --	< 5										
T37361	244 --	< 5										

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SAMPLE	PREP CODE	Au ppb FA+AA										
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T37396	244 --	< 5										
T37397	244 --	< 5										
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T37399	244 --	< 5										
T37400	244 --	< 5										
T37401	244 --	< 5										

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SAMPLE	PREP CODE	Au ppb FA+AA										
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T37439	244 --	< 5										
T37440	244 --	< 5										
T37441	244 --	< 5										

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SAMPLE	PREP CODE	Au ppb FA+AA										
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T37106	244 --	< 5										

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SAMPLE	PREP CODE	Au ppb FA+AA										
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T37146	244 --	< 5										

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SAMPLE	PREP CODE	Au ppb FA+AA										
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T37186	244 --	< 5										

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SAMPLE	PREP CODE	Au ppb FA+AA										
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T37224	244 --	< 5										
T37225	244 --	< 5										
T37226	244 --	< 5										

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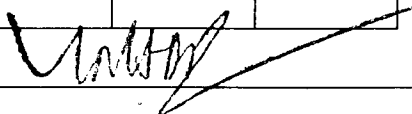
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SAMPLE	PREP CODE	Au ppb FA+AA										
T37227	244 --	< 5										
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T37243	244 --	< 5										

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SAMPLE	PREP CODE	Au ppb FA+AA										
T36801	244 --	< 5										
T36802	244 --	< 5										
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T36838	244 --	< 5										
T36839	244 --	< 5										
T36840	244 --	< 5										

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SAMPLE	PREP CODE	Au ppb FA+AA										
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T36846	244 --	< 5										
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T36879	244 --	< 5										
T36880	244 --	< 5										

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SAMPLE	PREP CODE	Au ppb FA+AA									
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T36919	244 --	< 5									
T36920	244 --	< 5									

CERTIFICATION: 



# 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

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P.O. Number :  
Account : MPO

Project : FP (PLAY)  
Comments:

## CERTIFICATE OF ANALYSIS A9612379

SAMPLE	PREP CODE	Au ppb FA+AA										
T36921	244 --	< 5										
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T36926	244 --	< 5										
T36927	244 --	< 5										
T36928	244 --	< 5										
T36929	244 --	< 5										
T36930	244 --	< 5										
T36931	244 --	< 5										
T36932	244 --	< 5										
T36933	244 --	< 5										
T36934	244 --	< 5										
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T36941	244 --	< 5										
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T36945	244 --	30										
T36946	244 --	< 5										
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T36955	244 --	< 5										
T36956	244 --	< 5										
T36957	244 --	< 5										
T36958	244 --	< 5										
T36959	244 --	< 5										
T36960	244 --	< 5										

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P.O. Number :  
Account : MPO

Project : FP (PLAY)  
Comments:

## CERTIFICATE OF ANALYSIS A9612379

SAMPLE	PREP CODE	Au ppb FA+AA										
T36961	244 --	< 5										
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T36996	244 --	< 5										
T36997	244 --	< 5										
T36998	244 --	< 5										
T36999	244 --	< 5										
T37000	244 --	< 5										

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## CERTIFICATE OF ANALYSIS

### A9612379

SAMPLE	PREP CODE	Au ppb FA+AA										
T37001	244 --	< 5										
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T37003	244 --	< 5										
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T37037	244 --	< 5										
T37038	244 --	< 5										
T37039	244 --	< 5										
T37040	244 --	< 5										

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SAMPLE	PREP CODE	Au ppb FA+AA										
T37041	244 --	< 5										
T37042	244 --	< 5										
T37043	244 --	< 5										
T37044	244 --	< 5										
T37045	244 --	< 5										
T37046	244 --	< 5										
T37047	244 --	< 5										
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