

ARCHER, CATHRO

& ASSOCIATES (1981) LIMITED

CONSULTING GEOLOGICAL ENGINEERS

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ASSESSMENT REPORT

describing

**GEOLOGICAL MAPPING, PROSPECTING, SOIL SAMPLING,
HAND TRENCHING AND DIAMOND DRILLING**

at the

ARM PROPERTY

Arm 1-8 Claims
9-12

YB15752-YB15759
YB33538-YB33541

Latitude 61°32' N; Longitude 130°25' W

on NTS 105G/9 in the

WATSON LAKE MINING DISTRICT, YUKON TERRITORY

Prepared by

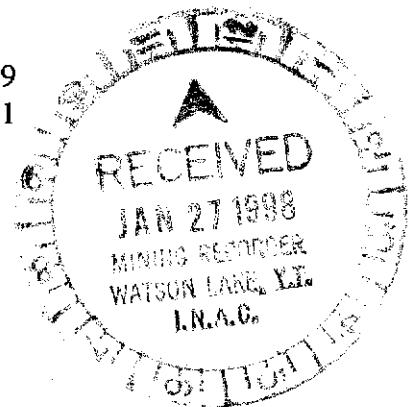
Archer, Cathro & Associates (1981) Limited

for

EXPATRIATE RESOURCES LTD.

W.A. Wengzynowski, B.A.Sc.
December, 1997

093757



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 \$ 4500.00.

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

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INTRODUCTION

Expatriate Resources Ltd. holds an option to acquire a 60% interest in the Arm property which consists of twelve mineral claims owned by Ampex Mining. The exploration target is Kuroko-type volcanogenic massive sulphide (VMS) mineralization similar to that at the nearby Wolverine and Kudz Ze Kayah Deposits.

The 1997 exploration program consisted of geological mapping, prospecting, grid soil sampling, hand trenching and 462 m of diamond drilling in three holes. This program was completed in two phases. Most of the surface work was done between June 7 and 17 from a fly camp on the property. The diamond drilling was conducted from a temporary trailer camp located 14 km northwest of the property between September 1 and 16. The program was managed by Archer Cathro & Associates (1981) Limited and was supervised by the author. Appendix I contains the Author's Statement of Qualifications.

HISTORY AND PREVIOUS WORK

The area was initially staked as the Arm 1-8 claims by W. Arnholtz in 1989 to protect a large ferricrete gossan developed in a creek which produced strongly anomalous results from a stream sediment survey conducted by the Geological Survey of Canada (Hornbrook and Friske, 1988). Arnholtz expanded the claim block in August, 1990.

Total Energold Corp. mapped and prospected the Arm property in June 1990 but failed to explain the gossan. J. Martensson conducted a reconnaissance soil geochemical survey in 1991 which detected anomalous values for several metals.

Cominco Ltd. optioned the Arm claims in 1994 shortly after the discovery of its Kudz Ze Kayah Deposit. Work that year consisted of soil and silt sampling, prospecting and airborne geophysics. In 1996 Cominco conducted a ground geophysical program which included 10 km of HLEM and magnetics plus 4 km of gravity. This work was performed in conjunction with detailed mapping and prospecting and was followed up with 139.6 m of diamond drilling in one hole. No significant intersections were obtained from the drilling and the option was dropped.

PROPERTY, LOCATION AND ACCESS

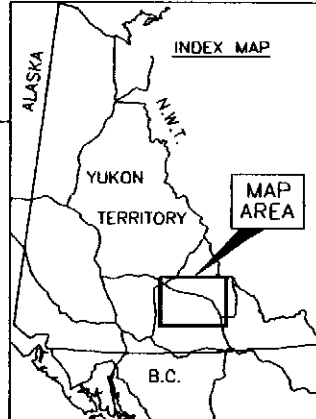
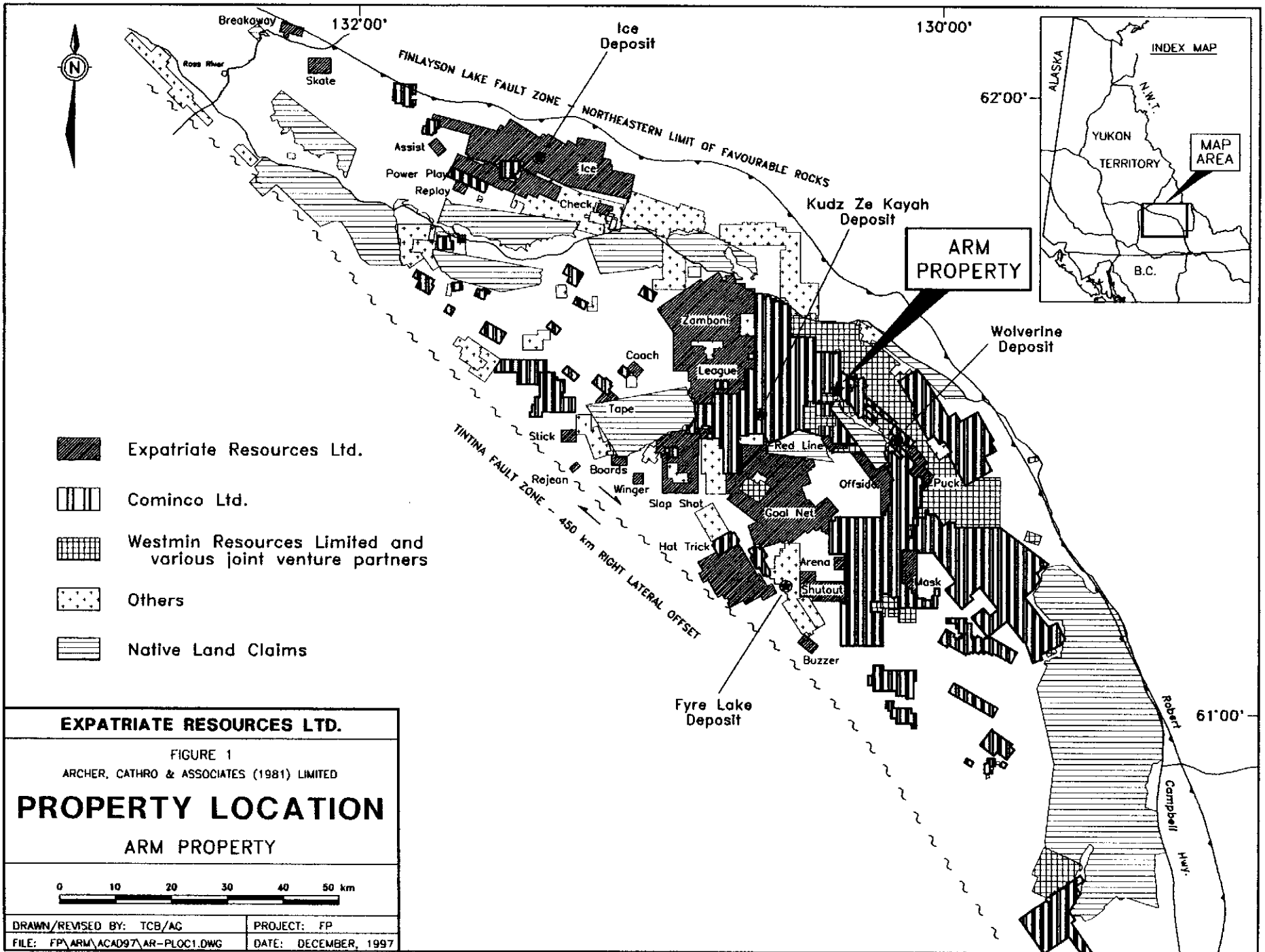
The property is located in southeastern Yukon at latitude 61°32'N and longitude 130°25'W on NTS map sheet 105G/9 (Figure 1). It is comprised of 12 contiguous mineral claims registered with the Watson Lake Mining Recorder in the name of Archer, Cathro & Associates (1981) Limited and held in trust for Expatriate Resources Ltd. Claim registration data are listed below while locations are shown on Figure 2.






<u>Claim Name</u>	<u>Grant Number</u>	<u>Expiry Date*</u>
Arm 1-8	YB15752-YB15759	March 17, 2009
9-12	YB33538-YB33541	March 17, 2009

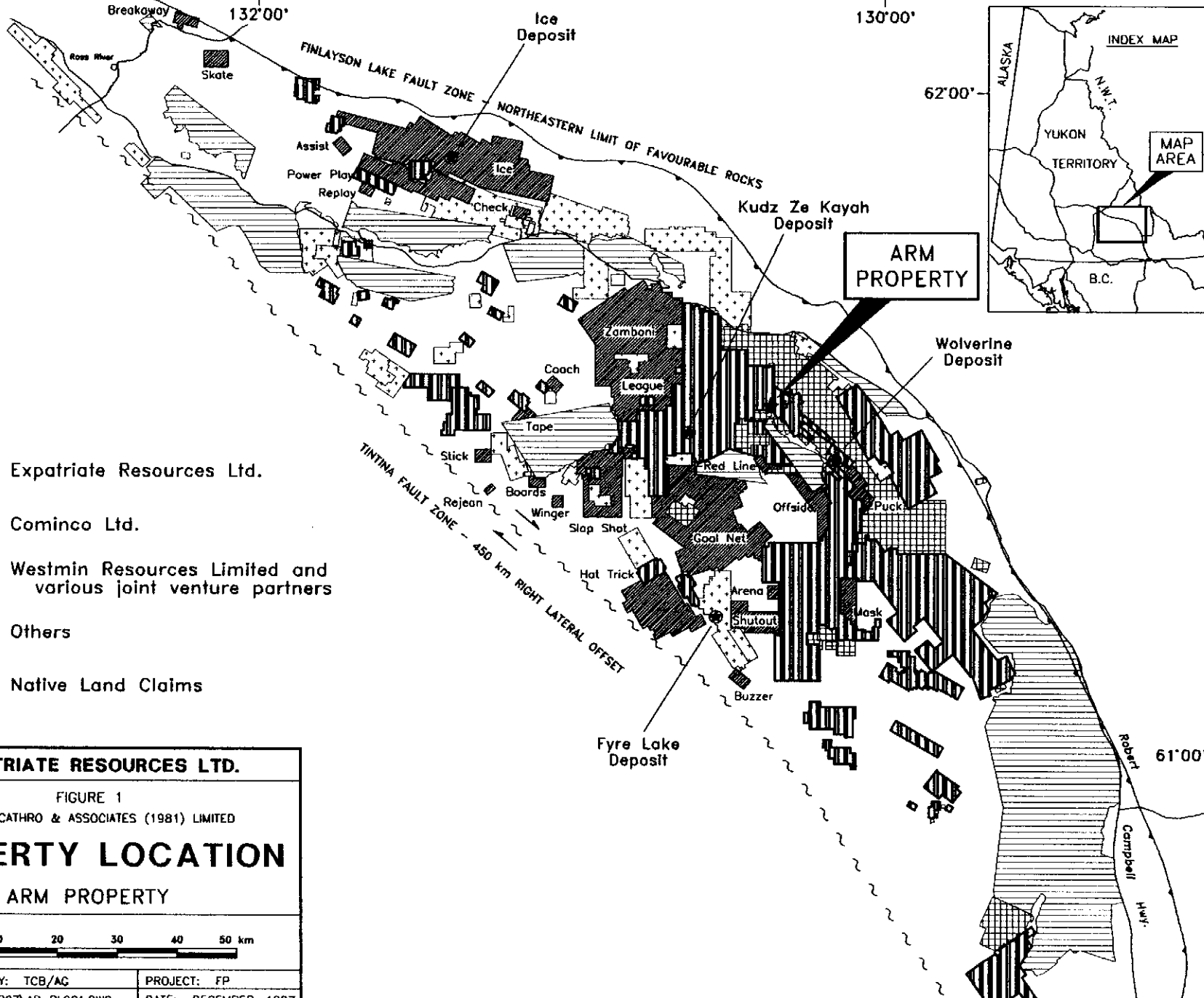
*Expiry dates include 1997 work filed for assessment credit but not yet accepted.

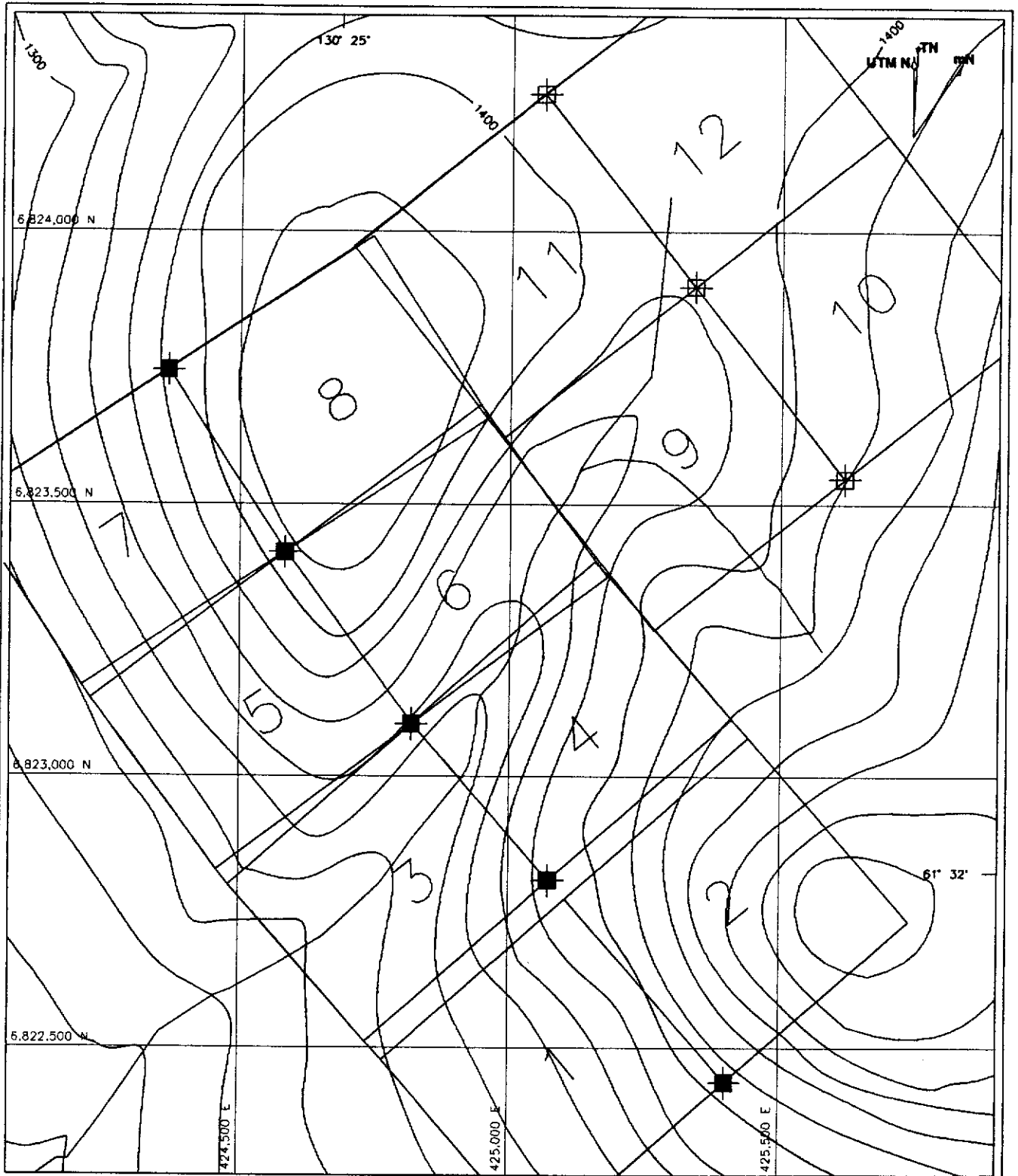
The property lies 253 km northeast of Whitehorse. In 1997 the fly camps were supplied by a Bell 206B Jet Ranger owned by Trans North Helicopters of Whitehorse. This machine was stationed at Expatriate's base camp on the Ice property, 62 km southeast of the Arm claims. Drill support was provided by an Aerospatiale B1 contracted from Kluane Helicopters of Haines Junction. This aircraft was based 14 km northwest of the Arm claims at Expatriate's trailer camp on Finlayson Lake (Km 232 on the Robert Campbell Highway).

During the 1997 exploration program claim post locations, grid points and drill collars were surveyed using Trimble Geoplotter GPS units. Field readings were corrected using the Department of Renewable Resources (Forestry) base station data in Whitehorse. GPS survey data appears in Appendix II.



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





— Claim boundary

■ GPS claim post location

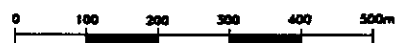
⊠ Assumed claim post location

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Figure 2

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

CLAIM LOCATION
ARM PROPERTY



DRAWN/REVISED BY: AS

PROJECT: FP

FILE: C:\FP\ARM\ACAD87\ARM-CLLONG

DATE: DECEMBER, 1987

GEOMORPHOLOGY

The Arm property lies within the northern part of the Campbell Range mountains in the Yukon Plateau. Creeks draining the property flow southward into Wolverine Lake and eventually into the Finlayson River which is part of the Liard River watershed.

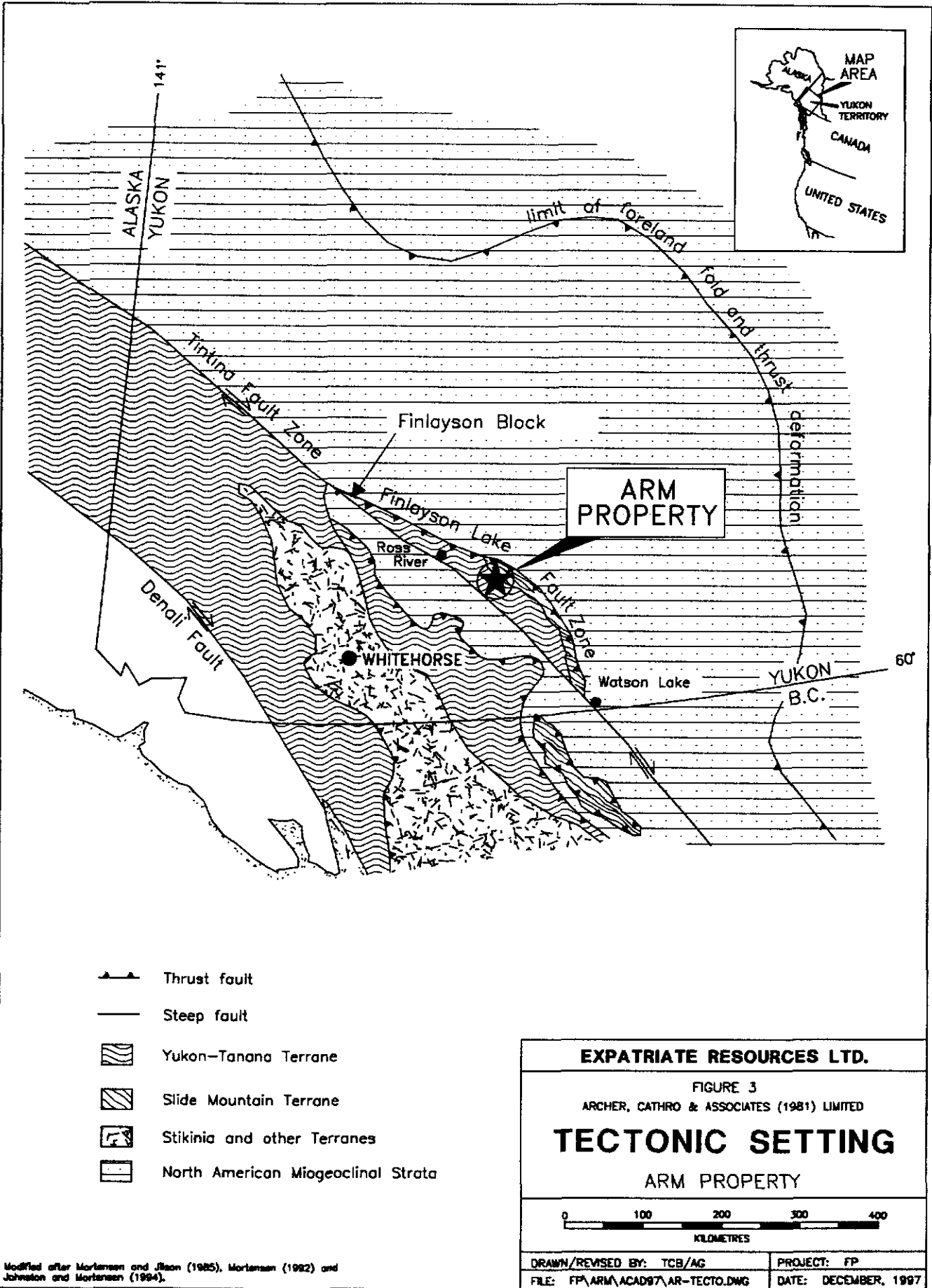
Topographic relief is gentle to moderate with elevations ranging between 1300 and 1500 m above sea level. Vegetation consists of stunted black spruce and alder at lower elevations giving way to buckbrush and willow and eventually alpine grass and moss above 1450 m. Grassy upland swamps are common above 1400 m.

REGIONAL GEOLOGY

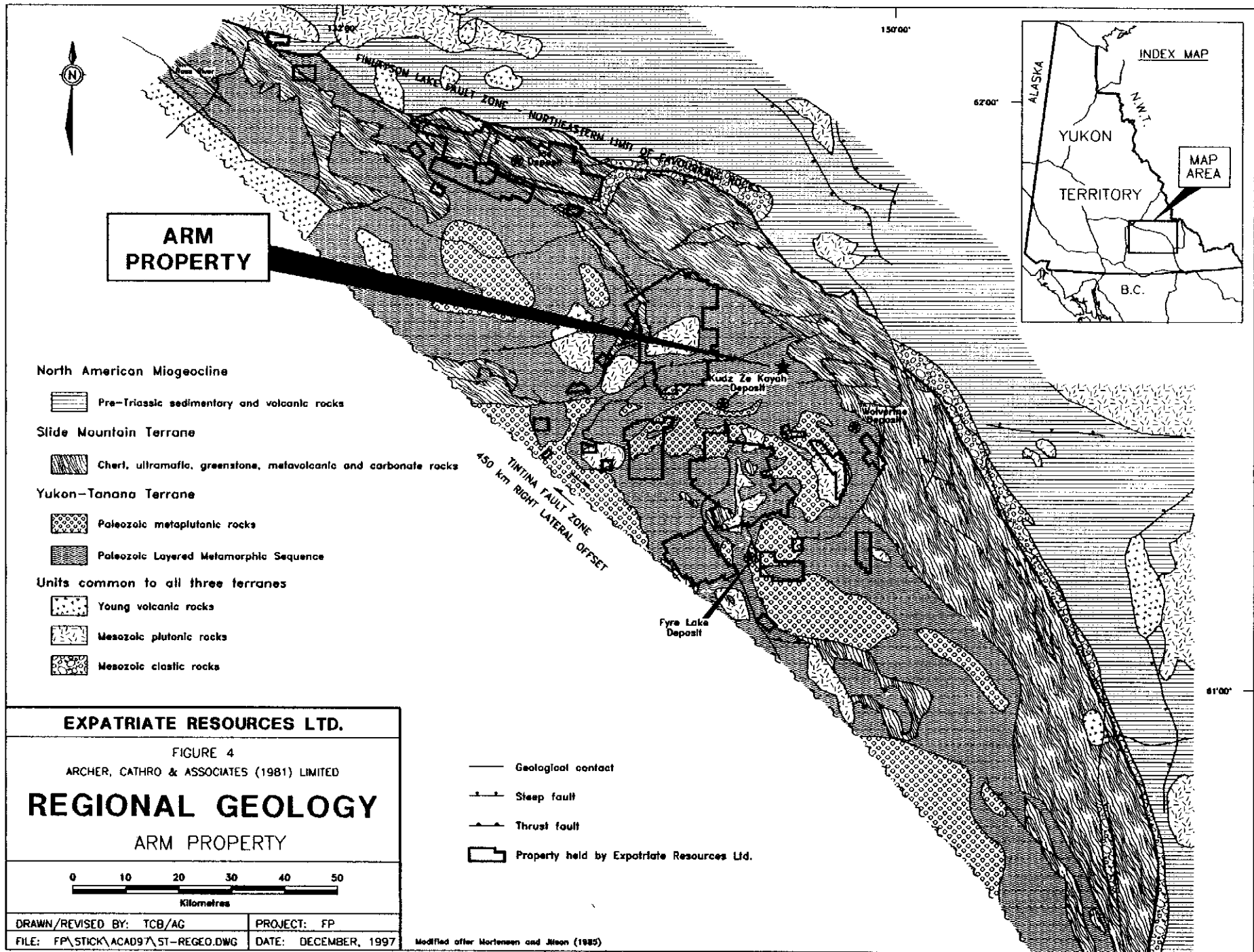
The Arm property is located within the Finlayson Block, a 380 by 60 km area comprised primarily of the Yukon-Tanana and Slide Mountain geologic terranes (Figure 3). These terranes represent the innermost of the accreted or "suspect" terranes in the Canadian Cordillera (Mortensen and Jilson, 1985). The northeastern margin of the block is the Finlayson Lake Fault Zone, a complex zone of steep and shallow faults related to transpressive suturing. The southwestern boundary of the block is the Tintina Fault, a major strike-slip fault with at least 450 km of dextral displacement during Late Cretaceous and/or Early Tertiary time (Tempelman-Kluit et al, 1976).

Regional mapping of the Finlayson Lake area was completed by the GSC in the mid to late 1970's (Tempelman-Kluit, 1977, 1979). More recent regional studies have been published by Mortensen and Jilson (1985) and Mortensen (1992). The following discussion of the regional geology (Figure 4) is based partly on 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, intermediate to felsic metavolcanics, calc-silicates and calcareous schists near the top. The middle unit is a carbonaceous quartzite, schist or phyllite with rare conglomerates and locally extensive felsic and mafic volcanic interbands. Radiometric dating of the felsic metavolcanics in the Finlayson Block has consistently resulted in Late Devonian to Mississippian crystallization ages. Immediately south of Finlayson Lake, large isolated outcrops of marble and quartzite which



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



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, personal communication, 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-northeasterly 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 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 is Cyprus-type. Two occurrences have definite economic potential, the Kudz Ze Kayah and Wolverine Deposits (Figure 4). These Kuroko-type occurrences are the main "type-deposits" for Expatriate's exploration at the Arm property 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 Kudz Ze Kayah near a contact between Yukon-Tanana and overlying Slide Mountain rocks. It consists of the Wolverine, Lynx and Sable Zones which are hosted by carbonate and muscovite altered 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 and Sable Zones are blanketed by glacial till. Mineralization in the Wolverine and Lynx Zones has been traced 700 m along strike and up to 450 m down-dip. It averages 6.1 m thick and dips shallowly to the north. The Sable Zone, which lies about 1500 m to the southeast, was discovered in late 1997 when two holes yielded high grade intersections over narrow widths. All three zones contain significantly more zinc and precious metals than Kudz Ze Kayah. The most recent 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 stratigraphy hosting the mineralization while magnetic surveys easily traced a laterally extensive, banded iron formation which occurs about 80 m up-section from the mineralization. Interpretation of electromagnetic results is complicated by an abundance 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. The main creek draining the Arm property returned strongly anomalous values for zinc (1935 ppm), copper (2820 ppm) and molybdenum (91 ppm).

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 AND PROPERTY 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.

Although the Arm claims straddle part of the same arcuate aeromagnetic anomaly that extends through the Wolverine and Kudz Ze Kayah Deposits, ground magnetic response is subdued and no magnetic minerals have been identified. HLEM surveys outlined a broad zone of conductivity throughout the central part of the property however, results from the gravity survey suggest lower density rocks are present in this area (Cominco, 1997).

PROPERTY GEOLOGY

Although bedrock exposure on the Arm property is poor (averaging less than 3%), most hillsides are scree covered. Rocks typically exhibit moderate to strong foliation which strikes southwesterly and dips moderately to the northeast (Figure 5). Four rock types seen at surface and in drill holes are described below in approximate order of formation.

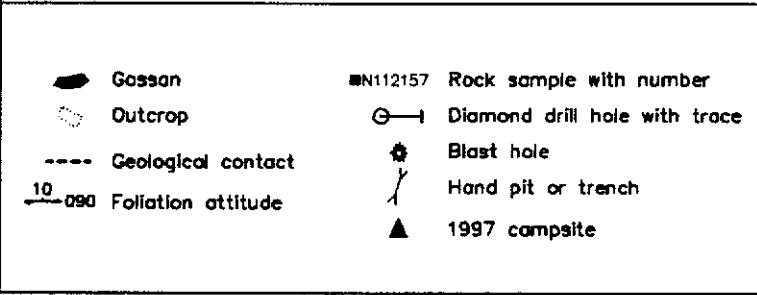
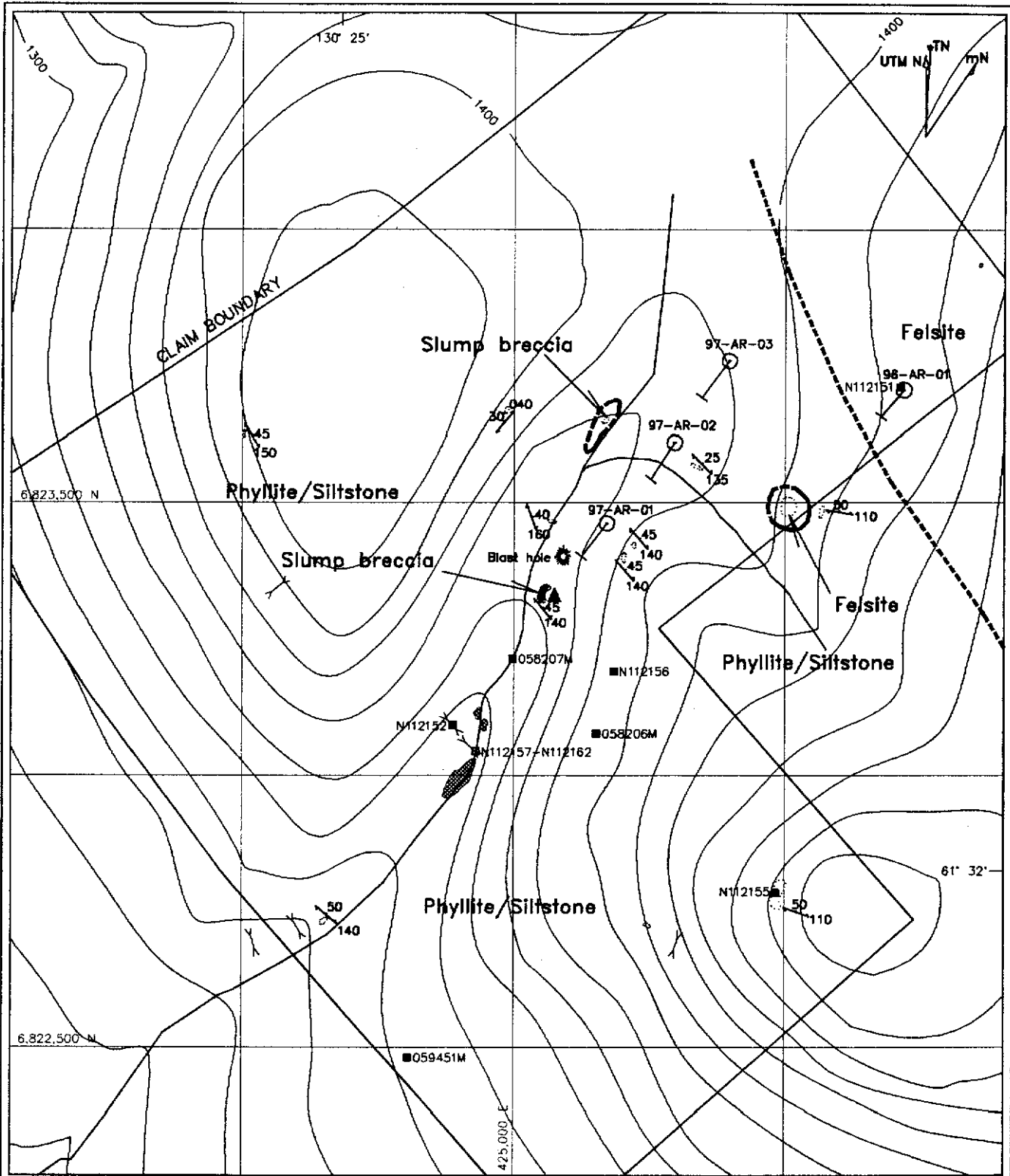
Stratigraphy

Phyllite is the most common rock type. It is generally black and sooty, non-calcareous and highly fissile. Concretionary bands ranging from 1 to 2 cm thick are common and exhibit brecciation and quartz-filled tension gashes.

Siltstone occurs with diffuse colour banding in various shades of grey. It is non-calcareous and weakly to moderately silicified in sections. Siltstone and phyllite are commonly interbedded on a scale of 0.1 to 1 m.

Felsite forms several small outcrops near the northeastern edge of the property. It is green-grey, weakly foliated, and occasionally porphyritic. Flattened feldspar and lesser quartz phenocrysts are up to 4 mm long.

Slump breccia is present in intermittent outcrops along the banks of the main creek draining the property. Fragments are angular to platy and consist of black phyllite and siltstone. They range from 5 mm to 30 cm in diameter and are often coated with a green-blue iridescent surface hue. The matrix is non-calcareous, fine black mud and sand. Contacts are unconformable with underlying phyllites and siltstones.



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Figure 5
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
PROPERTY GEOLOGY
 ARM PROPERTY

0 100 200 300 400 500m

DRAWN/REVISED BY: AB	PROJECT: FP
FILE: C:\FP\ARM\ACAD97\ARM-GEO.DWG	DATE: DECEMBER, 1997

Structure

A large fault is believed to underlie the linear northeasterly-trending drainage bisecting the claim block. This possibility is supported by slump breccias and ferricretes which are localized along the drainage. Smaller scale faults and fractures are seen in drill core, mainly as gouge zones and rubble. Quartz veinlets and veins are common ranging from 2 mm to 4 cm in width. Rare pale green chalcedony occurs on a few fractures.

Original bedding (S0) is preserved in core but is strongly distorted by pervasive S1 foliation. In some places S0 is parallel to S1 but it is more commonly oblique between 30 and 50°. Millimetre scale quartz-healed tension gashes are often developed along S0 planes.

SURFACE MINERALIZATION

Surface mineralization at the Arm property is restricted to the ferricrete gossans located in the main drainage and minor rusty boxwork float found on the flanks of the creek. The largest gossan is at least 4 m thick and consists of massive ferricrete containing thin, organic rich layers throughout and yellow clay horizons up to 5 cm thick near the base.

Rock samples were collected and shipped to Chemex Labs Ltd. and analyzed for 32 elements using the Induced Coupled Plasma (ICP) techniques. Sample locations are illustrated on Figure 5 while Certificates of Analysis are documented in Appendix III.

A series of chip samples taken across a 3.8 m thick section of the gossan returned an arithmetic average of 885 ppm arsenic, 186 ppm copper, 62.8 ppm molybdenum, >10,000 ppm phosphorous, 970 ppm vanadium and 204 ppm zinc. Values for silver and lead were below detection limit. Other rock samples taken from various localities on the property returned low values for copper, lead, zinc and silver but were weakly to strongly elevated in arsenic, molybdenum, phosphorous and vanadium. One sample (N112151) also returned 330 ppm tungsten.

PROPERTY GEOCHEMISTRY AND HAND TRENCHING

In 1997 Expatriate crews re-established grid control previously implemented by Cominco for its geophysical surveys. The baseline is oriented southeast across the centre of the property. It was hard chained and slope corrected, and is marked at 50 m intervals with 1 m lath bearing aluminum tags inscribed with grid coordinates and sample numbers. Tie lines oriented perpendicular to the baseline are marked in similar fashion. Soil samples were taken at 50 by 50 m spacing in the central part of the property while the remainder was sampled at 100 by 100 m intervals. All sample locations are indicated by 0.5 m lath with aluminum tags showing the sample numbers and grid coordinates.

Samples were sent to Chemex Labs where they were dried, screened to -80 mesh and analyzed for 32 elements using ICP technique. Sample locations are shown on Figure 6 while Certificates of Analysis appear in Appendix III. Results for four indicator elements (lead, zinc, copper, silver) are illustrated on Figures 7 to 10 while anomalous thresholds and peak values are tabulated below.

<u>Element</u>	<u>Anomalous Threshold Values (ppm)</u>			<u>Peak Value (ppm)</u>
	<u>Weak</u>	<u>Moderate</u>	<u>Strong</u>	
Lead	50	100	NA	162
Zinc	200	500	1000	1405
Copper	50	100	200	248
Silver	1	2	5	18.6

Geochemical response for lead, zinc, copper and silver is surprisingly variable. Lead values are relatively weak and form scattered 200 by 100 m clusters in the central part of the grid. There is weak zinc support with the lead anomalies but the largest area of zinc response, which includes rare moderate and strongly anomalous values, is located downhill near the main drainage.

Copper response forms two weakly anomalous trends within which are scattered moderately and strongly anomalous values. These trends are roughly perpendicular to each other. One is developed along the banks of the main creek while the other occurs along a break-in-slope further to the northwest. The latter approximately coincides with a zinc anomaly and is characterized by large lobes, most likely caused by downhill dispersion.

Anomalous silver values (as defined by regional thresholds) occur across 90% of the grid. The largest concentration of moderately to strongly anomalous values is a 1700 by 500 m, northwesterly-trending zone located in the central portion of the property. This zone contains abundant, irregularly shaped lobes of strongly anomalous silver values which are positively correlative with lead.

The dispersion patterns for all four metals indicate a sinuous northwesterly-trending source that approximately parallels projected surface trace of foliations and geological contacts. The upper limit of anomalous lead response coincides with the largest concentration of strongly anomalous silver values. Weak and moderate silver response is abundant further upslope, which is unexplained. The main copper and zinc anomalies are located about 300 m downslope from the

lead-silver trend which likely indicates leaching and hydromorphic dispersion. The largest area of zinc-copper response is situated approximately 100 m uphill from the ferricrete gossans in the creek.

Six hand pits were excavated within the various geochemical anomalies (Figure 5). All bottomed in phyllite and siltstone scree. No mineralization was observed and no samples were taken.

DIAMOND DRILLING

A helicopter portable Longyear 38 diamond drill contracted from E. Caron Diamond Drilling of Whitehorse completed a total of 462 m of HQ and NQ size core in three holes. The core was transported from the property to Expatriate's drill camp on Finlayson Lake where it was geotechnically and geologically logged. At the end of the program all drill sites were cleaned and core was trucked to Whitehorse where it is stored in the drill contractor's outside yard at MacRae (15 km south of Whitehorse). Synoptic drill logs appear in Appendix IV.

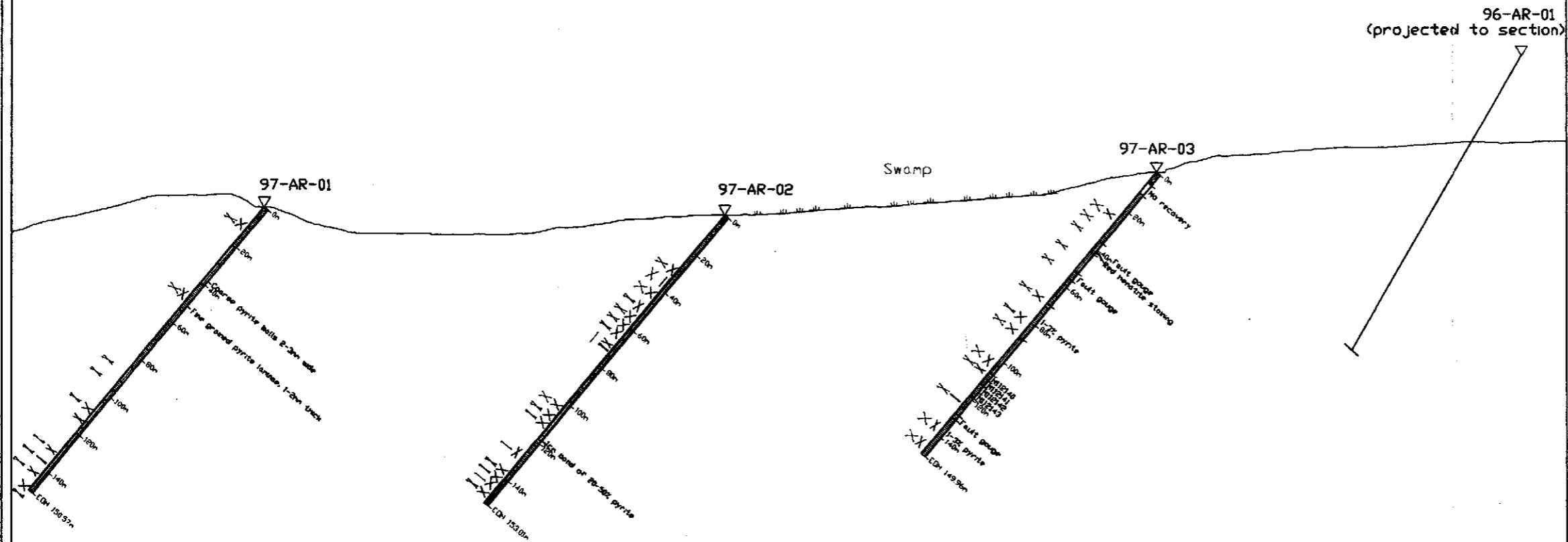
The three holes were equally spaced on a 400 m long section line located on the eastern side of the main drainage. The section line was specifically designed to test stratigraphy uphill from the main geochemical anomalies and ferricrete gossans. The section showing the Expatriate drill holes and Cominco's 1996 hole appears on Figure 11.

All of Expatriate's drill holes encountered interbedded black phyllite and grey siltstone with variable concentrations of quartz-healed fractures, tension gashes, veins and veinlets. Pyrite was the only sulphide observed in the drill core. Coarse cubic pyrite commonly occurs in fractures and parallel to foliation whereas fine-grained pyrite is found in wisps and laminations within distorted relict bedding. Minor hematitic gouge was noted in Hole 97-AR-03.

Although no base metal sulphides were observed in the core, routine ICP analyses were performed on all the core from Holes 97-AR-01 and 03. Samples were split, packaged and sent to Chemex Labs where they were crushed to -150 mesh and analyzed for 32 elements. Both holes

SW

NE



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Figure 11
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
CROSS SECTION
HOLES 97-AR-01, 02, 03
 ARM PROPERTY



returned long intervals of weakly to moderately elevated silver, molybdenum and phosphorous values. The most significant interval was obtained from Hole 97-AR-03 from which four consecutive samples returned an arithmetic average of 3315 ppm zinc across 12.42 m. Other elements elevated within this section were cadmium, molybdenum, vanadium and, to a lesser degree, copper.

DISCUSSION AND CONCLUSIONS

The Arm property is underlain by a thick sequence of clastic metasedimentary and rarer felsic volcanic rocks which belong to the Layered Metamorphic Sequence of the Yukon-Tanana Terrane. This particular sequence of rocks forms an arcuate belt which hosts the Kudz Ze Kayah and Wolverine VMS deposits 14 km to the southwest and 17 km to the southeast of the Arm property, respectively.

Soil geochemical surveys outlined a northwesterly-trending zone of anomalous response across the central part of the property, which included key VMS indicator elements lead, zinc, copper, silver and molybdenum. The anomalous intensities of these elements are similar to those obtained from samples taken in the vicinity of the Wolverine Deposit.

Diamond drilling in 1997 failed to intersect ore grade massive sulphide mineralization however, elevated values for zinc were encountered across a 12.42 m section in drill hole 97-AR-03. The intersection is significant as it indicates the presence of a specific metal-enriched horizon within this stratigraphic section. However, the absence of specific sulphide minerals, volcanic stratigraphy and wallrock alteration suggests that the enriched horizon is likely some distance from the source, assuming it is the distal facies of a VMS deposit.

Exploration to date has tested the stratigraphy deemed most favourable to host VMS style mineralization on the Arm property. One or two drill holes are warranted to complete the section downhill so that it overlaps the ferricrete gossans in the creek, thus ensuring that a favourable

horizon does not exist deeper in the stratigraphy. Although potential exists along strike from the enriched horizon in Hole 97-AR-03, it is unlikely that a transition to massive sulphide would occur in the limited confines of the property.

Yours truly,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED


W.A. Wengzynowski, B.A.Sc.

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APPENDIX I

AUTHOR'S STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, William A. Wengzynowski, geological engineer, with business addresses in Whitehorse, Yukon Territory and Vancouver, British Columbia and residential address in North Vancouver, British Columbia, do hereby certify that:

1. I graduated from the University of British Columbia in 1993 with a B.A.Sc. in geological engineering, option 1, mineral and fuel exploration.
2. From 1983 to present, I have been actively engaged in mineral exploration in the Yukon Territory and am presently employed with Archer, Cathro & Associates (1981) Limited.
3. I have personally participated in and supervised the field work reported herein.



W.A. Wengzynowski, B.A.Sc.

APPENDIX II
GPS SURVEY COORDINATES

Arm 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. Drill Collars

Hole No.	MSL	UTM Coordinates		Data Quality	Base Station	Date
		Northing	Easting			
Pad X	1423	6823512	425624	Standard	RR	09-Jun-97
AR96-01	1423	6823734	425728	Standard	RR	09-Jun-97

B. Grid Station Points

Grid Coordinates		UTM Coordinates		Data Quality	Base Station	Date
Northing	Easting	Northing	Easting			
550	4000	6822680	425225	Standard	RR	09-Jun-97
150	3000	6823500	424523	Standard	RR	09-Jun-97
0	2850	6823701	424461	Standard	RR	09-Jun-97
400	3000	6823631	424592	Standard	RR	09-Jun-97
0	4000	6823173	425459			

C. Expatriate Resources Ltd. Claim Posts

Claim	Posts 1	Posts 2	UTM Coordinates		Data Quality	Base Station	Date
			Northing	Easting			
Arm	1, 2	-	6822437	425401	Standard	RR	09-Jun-97
	3, 4	1, 2	6822809	425073	Standard	RR	09-Jun-97
	5, 6	3, 4	6823096	424818	Standard	RR	09-Jun-97
	7, 8	5, 6	6823411	424583	Standard	RR	09-Jun-97
	-	7, 8	6823744	424366	Standard	RR	09-Jun-97
	9, 10	-	-	-	-	N/S	
?	11, 12	9, 10	-	-	N/S		
		11, 12	-	-	N/S		
	?	?	6824413	424924	Standard	RR	06-Jun-97

D. Geological Stations

Claim	Station	Soil sample	UTM Coordinates		Data Quality	Base Station	Date
			Northing	Easting			
Arm	GOSSAN		6823050	424900	Standard	RR	10-Jun-97
	Arm Camp		6823360	425047	Standard	RR	10-Jun-97
		BB07356	6862520	375679	Standard	RR	13-Jun-97

E. Claim Posts From Adjoining Claim Blocks

Claim	Posts 1	Posts 2	UTM Coordinates		Data Quality	Base Station	Date
			Northing	Easting			
Tag	1347, 1348	1345, 1346	6821508	425812	Standard	RR	17-Jun-97
	1349, 1350	1347, 1348	6821944	425821	Standard	RR	17-Jun-97
	1351, 1352	1349, 1350	6822386	425831	Standard	RR	17-Jun-97
	1353, 1354	1351, 1352	6822827	425830	Standard	RR	17-Jun-97
	1355, 1356	1353, 1354	6823280	425806	Standard	RR	17-Jun-97
	1357, 1358	1355, 1356	6823727	425778	Standard	RR	17-Jun-97
	1359, 1360	1357, 1358	6824179	425754	Standard	RR	17-Jun-97
	1361, 1362	1359, 1360	6824633	425732	Standard	RR	17-Jun-97
Tag	1325, 1326	-	6823280	425403	Standard	RR	09-Jun-97
Tag	1321, 1322	1319, 1320	6821920	425051	Standard	RR	17-Jun-97
Tag	1265, 1266	1311, 1312	6821913	424180	Standard	RR	17-Jun-97
Tag	1272, 1273	1447, 1448	6824234	424131	Standard	RR	17-Jun-97
Tag		1448?	6824241	424665	Standard	RR	17-Jun-97
	?	?	6823584	423715	Standard	RR	17-Jun-97
	?	?	6824210	423685	Standard	RR	17-Jun-97
	?	?	6821892	424603	Standard	RR	17-Jun-97

APPENDIX III
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

EXPATRIATE RESOURCES LTD.
 C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
 P.O. BOX 4127
 WHITEHORSE, YT
 Y1A 3S9

Page : 1-A
 Total Pages : 1
 Certificate Date: 25-JUN-97
 Invoice No. : I9728360
 P.O. Number :
 Account : MPO

Project : ARM
 Comments:

CERTIFICATE OF ANALYSIS A9728360

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
N112151	205 226	12.0	0.63	32	200	< 0.5	< 2	0.96	5.0	6	155	157	2.43	< 10	< 1	0.23	10	0.21	190	13
N112152	205 226	0.6	0.34	2	330	< 0.5	< 2	< 0.01	< 0.5	< 1	113	1	0.19	< 10	< 1	0.19	< 10	0.03	5	< 1
N112153	205 226	< 0.2	0.55	1010	60	1.5	2	0.03	1.0	< 1	22	118	>15.00	< 10	< 1	3.29	10	< 0.01	5	47
N112154	205 226	< 0.2	0.31	676	50	0.5	< 2	0.02	1.0	< 1	12	76	>15.00	< 10	< 1	3.79	10	< 0.01	5	21
N112155	205 226	0.6	0.13	10	690	< 0.5	< 2	< 0.01	< 0.5	< 1	103	15	0.48	< 10	< 1	0.10	< 10	< 0.01	5	2
N112156	205 226	0.2	0.38	54	180	< 0.5	< 2	0.03	8.0	12	274	42	3.51	< 10	< 1	0.15	10	0.03	1235	14
058206M	205 226	< 0.2	0.19	10	60	< 0.5	< 2	< 0.01	< 0.5	4	140	183	3.44	< 10	< 1	0.02	< 10	0.02	495	2
058207M	205 226	0.8	0.91	568	320	0.5	2	0.09	7.0	1	227	53	13.40	< 10	< 1	0.53	10	0.10	125	33

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Invoice No.: I9728360
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A9728360

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
N112151	205	226	< 0.01	53	1470	20	10	1	91	< 0.01	< 10	< 10	32	330	460
N112152	205	226	< 0.01	1	140	4	4	< 1	5	< 0.01	< 10	< 10	8	< 10	< 2
N112153	205	226	0.01	3	>10000	< 2	10	< 1	1695	< 0.01	< 10	10	974	< 10	76
N112154	205	226	0.01	4	>10000	< 2	4	< 1	1750	< 0.01	< 10	< 10	677	< 10	66
N112155	205	226	< 0.01	1	360	6	< 2	< 1	34	< 0.01	< 10	< 10	12	< 10	< 2
N112156	205	226	< 0.01	48	500	22	18	3	8	< 0.01	< 10	< 10	51	< 10	276
058206M	205	226	< 0.01	48	170	< 2	2	1	10	< 0.01	< 10	< 10	10	< 10	342
058207M	205	226	< 0.01	13	>10000	2	14	1	362	0.01	< 10	< 10	456	< 10	104

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 Invoice No. : I9728588
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 Account : MPO

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SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
059451M	205 226	< 5	0.2	0.17	48	150	< 0.5	4	10.20	0.5	42	538	6	3.27	< 10	< 1	0.01	< 10	5.71	1040
N112157	205 226	-----	< 0.2	0.37	666	80	0.5	6	0.14	1.5	< 1	24	85	>15.00	< 10	< 1	3.45	< 10	0.06	25
N112158	205 226	-----	< 0.2	0.34	462	100	0.5	8	0.05	1.0	< 1	14	73	>15.00	< 10	< 1	3.69	10	0.01	15
N112159	205 226	-----	< 0.2	0.79	606	80	2.5	8	0.04	1.5	< 1	32	298	>15.00	< 10	< 1	2.24	10	< 0.01	10
N112160	205 226	-----	< 0.2	2.73	804	190	5.0	4	0.07	5.0	< 1	88	373	>15.00	< 10	< 1	0.15	20	0.01	15
N112161	205 226	-----	< 0.2	1.56	1400	50	4.0	2	0.04	5.0	< 1	24	198	>15.00	< 10	< 1	0.02	10	< 0.01	5
N112162	205 226	-----	< 0.2	1.32	1370	40	3.0	6	0.04	2.5	< 1	25	89	>15.00	< 10	< 1	0.02	10	< 0.01	10

CERTIFICATION: Hart Buchler



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059451M	205 226	< 1	< 0.01	788	160	6	66	4	1230	< 0.01	< 10	< 10	21	< 10	28
N112157	205 226	32	0.01	8	>10000	< 2	12	< 1	1805	< 0.01	< 10	< 10	676	< 10	74
N112158	205 226	20	0.01	< 1	>10000	< 2	10	< 1	1615	< 0.01	< 10	< 10	587	< 10	76
N112159	205 226	112	< 0.01	< 1	>10000	< 2	20	< 1	1110	< 0.01	< 10	< 10	984	< 10	122
N112160	205 226	128	< 0.01	2	>10000	< 2	18	< 1	286	< 0.01	< 10	50	1245	< 10	262
N112161	205 226	34	< 0.01	< 1	>10000	< 2	2	< 1	146	< 0.01	< 10	< 10	1245	< 10	284
N112162	205 226	51	< 0.01	1	>10000	< 2	4	< 1	185	< 0.01	< 10	< 10	1085	< 10	408

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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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Page 1 of 2
Total Pages : 2
Certificate Date: 01-JUL-97
Invoice No. : I9728882
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9728882

SAMPLE	PREP CODE	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)	Mn ppm (ICP)
BB 14561	201 202	2.0	5.31	1700	1.5	< 2	0.73	2.0	8	106	70	2.80	1.62	0.70	295
BB 14562	201 202	2.6	7.55	2970	2.0	< 2	0.47	1.0	< 1	125	165	1.55	2.64	0.57	165
BB 14563	201 202	0.6	5.80	2050	2.0	< 2	0.43	1.0	7	117	67	2.91	2.02	0.59	340
BB 14564	201 202	0.8	5.58	1710	1.5	< 2	0.39	1.0	5	87	32	2.23	1.86	0.47	300
BB 14565	201 202	0.8	6.55	2380	2.0	< 2	0.19	1.0	7	109	90	3.63	2.21	0.54	305
BB 14566	201 202	7.2	5.13	2310	1.5	< 2	0.38	0.5	4	138	33	4.49	1.52	0.44	200
BB 14567	201 202	4.6	5.79	4100	2.0	< 2	0.07	< 0.5	< 1	172	26	1.85	2.19	0.50	70
BB 14568	201 202	3.0	5.01	3680	2.0	< 2	0.09	0.5	< 1	153	19	1.41	2.06	0.51	70
BB 14569	201 202	3.6	9.63	3670	3.5	< 2	0.05	0.5	< 1	264	34	1.89	4.13	0.92	50
BB 14570	201 202	3.2	5.55	2370	2.0	< 2	0.21	1.0	6	128	59	3.08	1.81	0.47	160
BB 14571	201 202	1.0	5.83	2610	2.0	< 2	0.36	0.5	3	96	49	1.91	2.04	0.51	130
BB 14572	201 202	2.4	6.02	4450	2.0	< 2	0.34	1.0	< 1	163	43	1.55	2.13	0.54	225
BB 14573	201 202	1.0	8.63	2440	2.0	< 2	0.98	2.0	6	99	48	1.89	2.99	0.70	340
BB 14574	201 202	1.2	7.61	3400	2.5	< 2	0.54	3.5	16	115	138	3.29	2.78	0.65	945
BB 14575	201 202	0.6	5.74	1940	1.5	< 2	0.57	0.5	6	107	64	2.93	1.71	0.61	290
BB 14576	201 202	4.0	4.22	1870	1.5	< 2	0.60	1.5	4	366	28	3.82	1.18	0.32	200
BB 14577	201 202	1.8	5.53	2390	2.0	< 2	0.60	2.0	9	126	121	2.82	1.78	0.75	475
BB 14578	201 202	1.6	4.87	3130	1.5	< 2	1.20	55.5	34	82	70	3.70	1.41	0.64	>10000
BB 17658	201 202	< 0.2	7.49	3710	2.5	< 2	0.41	0.5	6	51	28	2.66	2.71	0.81	410
BB 17659	201 202	< 0.2	7.36	6150	2.5	< 2	0.61	1.0	8	97	82	3.30	2.46	1.22	625
BB 17660	201 202	< 0.2	6.78	2480	2.0	< 2	3.78	0.5	11	94	40	2.93	2.00	1.46	540
BB 17661	201 202	< 0.2	5.61	3520	1.5	< 2	0.68	< 0.5	11	87	41	2.70	1.74	0.92	700
BB 17662	201 202	< 0.2	6.79	1780	1.5	< 2	1.11	< 0.5	13	95	21	3.48	1.80	1.15	515
BB 17663	201 202	< 0.2	6.93	1610	2.0	< 2	0.88	< 0.5	9	84	30	3.01	2.03	1.04	410
BB 17664	201 202	< 0.2	6.74	6820	3.0	< 2	0.48	2.0	10	79	66	3.16	2.69	0.76	950
BB 17665	201 202	< 0.2	6.97	2170	2.0	< 2	1.07	0.5	11	98	38	3.63	2.01	1.19	665
BB 17666	201 202	< 0.2	7.79	6050	3.0	< 2	0.84	1.5	8	79	53	3.26	2.44	1.20	825
BB 17667	201 202	< 0.2	6.09	3010	1.5	< 2	1.15	0.5	11	75	40	3.24	1.77	1.31	620
BB 17668	201 202	< 0.2	6.30	2520	1.5	< 2	1.27	0.5	13	97	28	3.41	1.88	1.44	765
BB 17669	201 202	< 0.2	5.64	1800	1.5	< 2	0.72	< 0.5	12	129	21	3.14	1.60	1.31	485
BB 17670	201 202	1.0	6.44	2950	2.0	< 2	0.53	0.5	9	117	29	2.85	1.83	0.88	415
BB 17671	201 202	1.4	6.47	3230	2.0	< 2	0.56	0.5	9	90	41	2.72	2.01	0.81	470
BB 17672	201 202	2.0	6.41	3280	2.0	< 2	0.47	0.5	10	115	21	3.59	1.73	0.85	390
BB 17673	201 202	2.2	5.35	3310	2.0	< 2	0.35	0.5	4	106	23	2.34	1.65	0.62	220
BB 17674	201 202	1.0	6.02	3300	1.5	< 2	0.53	< 0.5	1	93	19	1.65	1.89	0.57	260
BB 17675	201 202	0.8	5.85	3040	2.0	< 2	0.51	< 0.5	8	110	36	2.38	1.70	0.86	410
BB 17676	201 202	1.6	5.65	2770	1.5	< 2	0.48	< 0.5	7	107	22	2.51	1.57	0.76	325
BB 17677	201 202	1.2	5.56	3320	2.0	< 2	0.38	< 0.5	11	110	20	3.54	1.69	0.70	785
BB 17678	201 202	0.6	5.97	3460	2.0	< 2	0.44	< 0.5	6	109	30	2.11	1.79	0.78	245
BB 17679	201 202	0.6	5.70	2760	1.5	< 2	0.68	0.5	6	100	24	2.75	1.66	0.84	530

CERTIFICATION:

Hart Buchler



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EXPATRIATE RESOURCES LTD.
 C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
 P.O. BOX 4127
 WHITEHORSE, YT
 Y1A 3S9

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 Account : MPO

Project : FP ARM
 Comments:

CERTIFICATE OF ANALYSIS A9728882

SAMPLE	PREP CODE	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	Ba ppm			
BB 14561	201 202	7	0.78	49	2000	10	196	0.28	327	< 10	204	1560			
BB 14562	201 202	8	0.91	22	1430	22	225	0.27	405	< 10	86	2200			
BB 14563	201 202	8	0.42	41	1920	12	138	0.26	388	< 10	250	1560			
BB 14564	201 202	6	0.61	26	1330	10	113	0.24	247	< 10	140	1260			
BB 14565	201 202	8	0.34	51	1690	10	121	0.23	356	< 10	292	1700			
BB 14566	201 202	22	0.42	25	6770	14	239	0.23	635	< 10	116	1800			
BB 14567	201 202	28	0.22	17	1760	28	177	0.22	599	< 10	80	2900			
BB 14568	201 202	36	0.19	13	3030	30	310	0.17	1140	< 10	48	3100			
BB 14569	201 202	78	0.30	18	2030	50	150	0.48	1500	10	32	4300			
BB 14570	201 202	10	0.30	44	2480	14	127	0.22	426	< 10	216	2000			
BB 14571	201 202	11	0.46	27	1600	16	203	0.23	435	< 10	128	2600			
BB 14572	201 202	20	0.38	16	1610	30	301	0.19	805	< 10	100	3600			
BB 14573	201 202	2	1.02	29	810	8	236	0.29	225	< 10	154	2200			
BB 14574	201 202	6	0.42	73	1900	14	173	0.25	372	< 10	408	2800			
BB 14575	201 202	7	0.61	41	1570	10	202	0.25	375	< 10	238	1600			
BB 14576	201 202	14	0.33	23	>10000	46	458	0.17	471	< 10	130	1900			
BB 14577	201 202	9	0.52	53	2450	12	203	0.22	432	< 10	248	2300			
BB 14578	201 202	89	0.65	299	2580	4	210	0.15	242	< 10	1280	2900			
BB 17658	201 202	< 1	0.68	23	490	38	82	0.20	97	< 10	174	3200			
BB 17659	201 202	< 1	0.77	46	800	18	111	0.32	144	< 10	174	5500			
BB 17660	201 202	< 1	1.27	44	900	8	172	0.40	152	< 10	118	2300			
BB 17661	201 202	< 1	1.01	40	560	8	117	0.32	139	< 10	76	2300			
BB 17662	201 202	< 1	1.18	31	370	8	110	0.43	142	< 10	84	1780			
BB 17663	201 202	< 1	1.44	33	980	14	161	0.35	130	< 10	110	1640			
BB 17664	201 202	1	0.73	46	620	92	84	0.34	109	< 10	334	6300			
BB 17665	201 202	1	1.20	47	920	12	147	0.40	146	< 10	140	2100			
BB 17666	201 202	< 1	1.07	34	520	30	114	0.40	132	< 10	270	5500			
BB 17667	201 202	< 1	1.26	29	920	4	139	0.49	141	< 10	90	2900			
BB 17668	201 202	< 1	1.18	36	970	6	143	0.49	167	< 10	102	2100			
BB 17669	201 202	< 1	0.86	64	800	8	112	0.33	165	< 10	98	2000			
BB 17670	201 202	7	0.78	48	840	16	156	0.30	312	< 10	120	2300			
BB 17671	201 202	4	0.81	43	530	22	110	0.27	201	< 10	100	2700			
BB 17672	201 202	9	0.75	42	710	20	172	0.33	329	< 10	108	2800			
BB 17673	201 202	11	0.58	32	1130	18	214	0.29	379	< 10	68	2200			
BB 17674	201 202	7	0.99	19	1100	14	254	0.28	303	< 10	60	2800			
BB 17675	201 202	4	0.73	53	1050	16	209	0.29	269	< 10	70	2400			
BB 17676	201 202	5	0.67	45	1060	14	200	0.26	257	< 10	74	2200			
BB 17677	201 202	6	0.62	37	1180	16	205	0.26	283	< 10	76	2500			
BB 17678	201 202	5	0.70	40	1100	18	205	0.30	271	< 10	72	2500			
BB 17679	201 202	4	0.84	30	1100	14	174	0.35	244	< 10	112	2400			

CERTIFICATION:

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CERTIFICATE OF ANALYSIS A9728882

SAMPLE	PREP CODE	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)	Mn ppm (ICP)
BB 17680	201 202	0.8	5.45	3340	1.5	4	0.45	0.5	5	85	27	2.19	1.60	0.63	350
BB 17681	201 202	0.4	5.87	2840	1.5	4	0.51	< 0.5	7	94	21	3.23	1.58	0.82	385
BB 17682	201 202	< 0.2	6.70	1950	1.5	< 2	1.04	< 0.5	5	99	19	2.23	1.88	0.76	275
BB 17683	201 202	1.0	7.20	3360	2.0	< 2	1.10	0.5	8	76	63	2.71	1.87	1.02	375
BB 17684	201 202	< 0.2	7.40	4980	2.5	2	0.55	1.0	14	91	48	3.50	2.26	0.90	1035
BB 17685	201 202	0.6	6.48	1720	1.5	2	1.38	1.5	9	74	36	2.73	1.88	0.75	430
BB 17686	201 202	0.4	5.10	2010	1.5	2	0.62	1.0	12	109	44	2.49	1.58	0.76	470
BB 17687	201 202	3.6	5.52	1610	1.0	< 2	1.46	1.5	9	64	77	2.07	1.46	0.57	605
BB 17688	201 202	1.4	5.70	2230	2.0	< 2	1.23	2.5	7	105	106	2.73	1.85	0.67	315
BB 17689	201 202	2.2	5.93	2980	2.0	< 2	0.85	2.0	6	127	70	2.03	1.87	0.69	245
BB 17690	201 202	2.2	6.38	2110	1.5	2	1.18	4.0	7	93	95	1.95	1.89	0.60	535
BB 17691	201 202	1.8	7.92	2440	2.0	< 2	1.21	3.0	7	105	45	2.49	2.53	0.69	305
BB 19870	201 202	0.4	6.45	1700	1.5	2	0.91	1.5	15	90	46	3.04	1.90	0.88	920
BB 19871	201 202	2.4	6.21	1760	2.0	< 2	0.75	1.5	12	125	35	3.01	1.86	1.02	490
BB 19872	201 202	0.6	5.82	1610	1.5	< 2	1.71	4.0	19	88	59	3.11	1.64	0.94	4150
BB 19873	201 202	0.4	6.15	1710	1.5	< 2	0.80	0.5	15	120	45	3.17	1.82	1.16	375
BB 19874	201 202	0.4	4.97	1490	1.0	< 2	1.34	1.5	17	93	25	2.72	1.41	0.80	820
BB 19875	201 202	0.6	6.07	1680	1.5	2	1.01	2.0	13	105	63	2.78	1.84	0.91	430
BB 19876	201 202	0.4	6.43	1630	1.5	< 2	0.36	1.5	12	140	64	4.17	1.70	0.71	285
BB 19877	201 202	0.4	7.12	1590	1.5	2	0.91	1.5	13	85	46	3.06	2.00	1.11	505
BB 19878	201 202	1.0	4.25	1510	1.5	< 2	1.17	7.5	14	84	72	5.25	1.25	0.63	1140
BB 19879	201 202	0.2	5.39	1230	1.5	< 2	0.53	0.5	7	86	15	2.47	1.57	0.70	295
BB 19880	201 202	0.4	5.60	1480	1.5	2	0.70	0.5	13	111	33	3.95	1.53	0.97	405
BB 19881	201 202	< 0.2	5.41	1530	1.5	4	0.70	< 0.5	12	109	30	2.78	1.69	1.04	295
BB 19882	201 202	2.4	6.59	1870	1.5	4	0.44	3.5	17	88	37	5.94	1.61	1.08	550
BB 19883	201 202	< 0.2	7.05	2040	1.5	< 2	0.16	0.5	17	104	59	4.72	1.61	0.94	345
BB 19884	201 202	0.2	6.54	2690	2.5	< 2	0.41	7.0	15	76	110	3.48	2.30	0.53	700
BB 19885	201 202	1.2	6.49	1620	2.0	4	0.20	1.5	15	136	110	4.65	1.70	0.58	325
BB 19886	201 202	< 0.2	5.29	1550	1.5	2	0.27	1.0	9	107	45	3.16	1.70	0.47	235
BB 19887	201 202	0.4	6.31	1850	1.5	< 2	0.38	1.0	13	93	40	3.78	1.63	0.83	380
BB 19888	201 202	0.6	5.93	2450	1.5	2	1.03	1.5	22	85	48	4.81	1.59	1.24	625

CERTIFICATION:

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CERTIFICATE OF ANALYSIS A9728882

SAMPLE	PREP CODE	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)	Ba ppm			
BB 17680	201 202	6	0.75	29	620	16	125	0.29	264	< 10	82	300			
BB 17681	201 202	6	0.74	31	500	16	108	0.34	258	< 10	86	2400			
BB 17682	201 202	3	1.06	30	960	10	164	0.33	150	10	94	1740			
BB 17683	201 202	< 1	1.25	37	1180	16	200	0.30	128	< 10	236	2900			
BB 17684	201 202	1	0.91	41	800	52	111	0.34	149	< 10	274	4500			
BB 17685	201 202	6	1.33	37	1160	6	268	0.23	170	< 10	186	1800			
BB 17686	201 202	3	0.59	49	1470	8	128	0.29	249	< 10	172	1800			
BB 17687	201 202	7	1.33	33	2180	8	319	0.18	170	< 10	142	1600			
BB 17688	201 202	8	0.43	54	2010	14	157	0.24	325	< 10	288	1880			
BB 17689	201 202	10	0.58	47	1810	14	183	0.26	409	< 10	240	2500			
BB 17690	201 202	12	1.04	57	1720	10	253	0.20	280	< 10	292	2000			
BB 17691	201 202	5	0.79	44	1050	16	215	0.25	381	< 10	472	2300			
BB 19870	201 202	2	1.01	46	1330	8	168	0.28	175	< 10	156	1680			
BB 19871	201 202	4	0.90	54	1910	12	133	0.33	209	< 10	148	1460			
BB 19872	201 202	3	0.90	82	1380	8	187	0.26	170	< 10	254	1560			
BB 19873	201 202	4	0.72	52	1440	6	92	0.35	186	< 10	112	1760			
BB 19874	201 202	6	0.63	42	1500	4	171	0.22	178	< 10	248	1400			
BB 19875	201 202	3	0.85	63	1280	6	166	0.29	212	< 10	158	1620			
BB 19876	201 202	6	0.60	50	1580	12	120	0.30	316	< 10	152	1240			
BB 19877	201 202	1	1.25	36	1470	6	202	0.32	197	< 10	116	1440			
BB 19878	201 202	21	0.45	117	5290	4	152	0.17	278	< 10	650	1500			
BB 19879	201 202	3	0.97	25	1300	4	94	0.38	159	< 10	82	1020			
BB 19880	201 202	3	0.95	49	1550	10	89	0.50	182	< 10	96	1260			
BB 19881	201 202	1	0.78	43	1340	6	93	0.32	199	10	86	1320			
BB 19882	201 202	4	0.79	32	2700	14	94	0.63	312	< 10	226	1500			
BB 19883	201 202	5	0.66	46	570	8	63	0.42	239	< 10	112	1540			
BB 19884	201 202	2	0.20	81	960	6	49	0.24	97	< 10	262	2100			
BB 19885	201 202	7	0.49	57	1170	10	116	0.28	236	< 10	112	1200			
BB 19886	201 202	5	0.46	38	1750	14	167	0.26	247	< 10	122	1360			
BB 19887	201 202	5	0.58	36	800	6	76	0.38	250	< 10	144	1560			
BB 19888	201 202	3	0.97	52	1520	8	112	0.52	190	< 10	142	2300			

CERTIFICATION:

David Buchler



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To: EXPATRIATE RESOURCES LTD.
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CERTIFICATE OF ANALYSIS A9728898

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
BB17556	201 202	1.2	0.68	36	890	< 0.5	< 2	0.07	< 0.5	4	20	31	2.12	< 10	< 1	0.12	10	0.18	105	10
BB17557	201 202	0.2	1.17	134	310	< 0.5	< 2	0.08	< 0.5	9	20	51	2.31	< 10	< 1	0.08	40	0.28	695	3
BB17558	201 202	1.2	2.09	108	760	1.0	< 2	0.08	0.5	9	35	149	2.80	< 10	< 1	0.13	40	0.36	195	6
BB17559	201 202	1.6	1.62	38	970	0.5	< 2	0.20	0.5	8	49	33	3.05	< 10	< 1	0.07	10	0.42	375	6
BB17560	201 202	0.2	0.92	12	280	< 0.5	< 2	0.21	0.5	7	28	17	1.90	< 10	< 1	0.04	10	0.46	345	2
BB17561	201 202	0.2	1.15	20	520	< 0.5	< 2	0.18	0.5	10	28	21	2.25	< 10	< 1	0.06	10	0.44	775	2
BB17562	201 202	0.4	1.48	22	490	< 0.5	< 2	0.16	0.5	12	43	36	2.83	< 10	< 1	0.09	10	0.53	1045	2
BB17563	201 202	0.2	1.42	20	330	< 0.5	< 2	0.20	0.5	9	44	35	2.69	< 10	< 1	0.11	10	0.64	455	1
BB17564	201 202	2.2	1.58	40	500	< 0.5	< 2	0.22	0.5	8	52	46	2.81	< 10	< 1	0.11	20	0.57	280	4
BB17565	201 202	0.2	1.33	36	760	< 0.5	< 2	0.22	1.5	17	29	21	2.33	< 10	< 1	0.10	10	0.30	2260	2
BB17566	201 202	1.4	1.94	56	980	0.5	< 2	0.59	1.5	13	41	35	2.99	< 10	< 1	0.12	20	0.48	1615	4
BB17567	201 202	1.8	1.90	62	870	0.5	< 2	0.85	2.0	10	37	44	2.80	< 10	< 1	0.11	30	0.44	1005	4
BB17568	201 202	2.0	1.55	38	1240	< 0.5	< 2	0.40	1.5	4	41	52	2.20	< 10	< 1	0.09	10	0.41	245	3
BB17569	201 202	1.6	1.17	34	700	< 0.5	< 2	0.06	< 0.5	3	25	19	2.66	< 10	< 1	0.08	< 10	0.17	125	11
BB17570	201 202	1.4	1.64	78	530	< 0.5	< 2	0.06	< 0.5	4	29	22	2.71	< 10	< 1	0.08	10	0.24	260	5
BB17571	201 202	0.6	1.25	126	500	< 0.5	< 2	0.12	< 0.5	7	33	60	2.37	< 10	< 1	0.06	10	0.38	170	6
BB17572	201 202	1.0	1.20	62	690	< 0.5	< 2	0.08	< 0.5	9	34	42	2.07	< 10	< 1	0.08	10	0.34	435	5
BB17573	201 202	1.2	1.15	36	980	< 0.5	< 2	0.21	1.0	4	33	40	1.59	< 10	< 1	0.08	10	0.32	130	5
BB17574	201 202	1.4	1.49	44	890	< 0.5	< 2	0.36	1.5	4	35	36	2.17	< 10	< 1	0.08	10	0.36	215	3
BB17575	201 202	1.8	1.08	36	710	< 0.5	< 2	0.28	2.0	3	23	26	1.61	< 10	< 1	0.06	10	0.25	295	4
BB17576	201 202	0.6	0.85	50	530	< 0.5	< 2	0.10	0.5	6	25	32	2.03	< 10	< 1	0.08	10	0.23	420	7
BB17577	201 202	0.8	0.71	26	460	< 0.5	< 2	0.11	< 0.5	5	23	21	1.81	< 10	< 1	0.07	10	0.25	230	8
BB17578	201 202	3.0	1.37	36	850	< 0.5	< 2	0.19	1.0	4	35	26	1.74	< 10	< 1	0.15	10	0.23	205	7
BB17579	201 202	2.6	0.76	50	640	< 0.5	< 2	0.17	1.0	3	18	20	1.22	< 10	< 1	0.08	< 10	0.10	195	6
BB17580	201 202	1.4	1.28	380	970	0.5	< 2	0.41	1.5	17	42	47	3.97	< 10	< 1	0.07	10	0.42	1755	11
BB17581	201 202	0.4	0.93	66	370	< 0.5	< 2	0.27	0.5	10	33	29	2.32	< 10	< 1	0.05	10	0.48	285	4
BB17582	201 202	1.2	0.42	496	500	< 0.5	< 2	0.11	< 0.5	2	8	25	2.43	< 10	< 1	0.10	10	0.07	160	7
BB17583	201 202	1.0	0.66	48	860	< 0.5	< 2	0.15	< 0.5	5	20	24	1.62	< 10	< 1	0.07	10	0.20	260	8
BB17584	201 202	0.6	0.87	96	730	< 0.5	< 2	0.10	< 0.5	7	19	37	1.99	< 10	< 1	0.08	10	0.23	525	7
BB17585	201 202	1.0	0.81	92	480	< 0.5	< 2	0.08	< 0.5	6	18	21	1.91	< 10	< 1	0.07	10	0.19	375	6
BB17586	201 202	3.4	0.66	12	750	< 0.5	< 2	0.16	0.5	1	12	18	0.74	< 10	< 1	0.07	< 10	0.06	70	2
BB17587	201 202	0.2	0.80	38	400	< 0.5	< 2	0.07	0.5	1	14	23	0.93	< 10	< 1	0.04	< 10	0.05	85	2
BB17588	201 202	0.2	0.99	206	270	< 0.5	< 2	0.05	< 0.5	11	30	26	2.75	< 10	< 1	0.05	< 10	0.27	865	4
BB17589	201 202	0.6	0.87	72	450	< 0.5	< 2	0.10	0.5	6	24	21	1.88	< 10	< 1	0.06	< 10	0.24	605	4
BB17590	201 202	1.6	1.41	26	700	0.5	< 2	0.38	4.5	2	21	69	0.69	< 10	< 1	0.04	10	0.17	105	1
BB17591	201 202	8.0	0.96	34	610	< 0.5	< 2	0.08	< 0.5	4	28	12	2.34	< 10	< 1	0.08	10	0.21	140	9
BB17592	201 202	2.0	1.76	30	340	0.5	< 2	0.15	0.5	6	32	103	3.49	< 10	< 1	0.10	10	0.29	110	4
BB17593	201 202	2.6	0.90	28	590	< 0.5	< 2	0.14	0.5	3	25	47	1.76	< 10	< 1	0.12	10	0.19	70	11
BB17594	201 202	2.8	0.87	22	540	< 0.5	< 2	0.11	< 0.5	4	23	28	1.75	< 10	< 1	0.13	10	0.20	65	10
BB17595	201 202	2.0	0.97	26	420	< 0.5	< 2	0.04	< 0.5	3	21	16	2.03	< 10	< 1	0.09	10	0.10	70	10

CERTIFICATION:

Hart Bichler



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Client: EXPATRIATE RESOURCES LTD.
 C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
 P.O. BOX 4127
 WHITEHORSE, YT
 Y1A 3S9

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CERTIFICATE OF ANALYSIS A9728898

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
BB17556	201	< 0.01	15	880	14	6	2	123	0.03	< 10	< 10	50	< 10	54
BB17557	201	< 0.01	28	490	24	< 2	3	25	0.03	< 10	< 10	27	< 10	120
BB17558	201	< 0.01	37	810	36	< 2	4	103	0.02	< 10	< 10	51	< 10	118
BB17559	201	< 0.01	35	970	24	< 2	1	62	0.01	< 10	< 10	53	< 10	146
BB17560	201	< 0.01	29	730	10	< 2	1	29	0.03	< 10	< 10	26	< 10	156
BB17561	201	< 0.01	28	780	12	< 2	2	28	0.01	< 10	< 10	28	< 10	230
BB17562	201	< 0.01	35	740	16	< 2	3	26	0.03	< 10	< 10	36	< 10	160
BB17563	201	< 0.01	41	580	14	< 2	3	20	0.05	< 10	< 10	39	< 10	158
BB17564	201	0.01	48	1140	24	2	3	34	0.02	< 10	< 10	38	< 10	228
BB17565	201	0.01	22	1040	20	< 2	1	42	0.01	< 10	< 10	37	< 10	146
BB17566	201	0.01	48	1560	26	< 2	4	104	0.02	< 10	< 10	39	< 10	286
BB17567	201	0.01	48	1620	24	< 2	3	127	0.01	< 10	< 10	38	< 10	266
BB17568	201	< 0.01	28	2610	26	< 2	1	114	< 0.01	< 10	< 10	54	< 10	180
BB17569	201	< 0.01	14	960	18	< 2	1	89	0.01	< 10	< 10	62	< 10	52
BB17570	201	< 0.01	17	1030	32	2	2	50	0.03	< 10	< 10	48	< 10	100
BB17571	201	< 0.01	27	760	36	< 2	2	38	0.01	< 10	< 10	35	< 10	92
BB17572	201	< 0.01	30	540	20	< 2	3	60	0.03	< 10	< 10	39	< 10	62
BB17573	201	< 0.01	25	1000	20	2	1	133	0.01	< 10	< 10	43	< 10	132
BB17574	201	< 0.01	22	2110	22	2	1	90	< 0.01	< 10	< 10	50	< 10	144
BB17575	201	0.01	21	1780	14	2	1	73	< 0.01	< 10	< 10	32	< 10	126
BB17576	201	< 0.01	24	810	26	2	1	65	0.01	< 10	< 10	39	< 10	110
BB17577	201	< 0.01	21	810	14	6	1	85	0.03	< 10	< 10	39	< 10	74
BB17578	201	0.03	29	1490	22	2	1	118	< 0.01	< 10	< 10	46	< 10	106
BB17579	201	0.03	19	1720	10	< 2	< 1	74	< 0.01	< 10	< 10	27	< 10	74
BB17580	201	0.01	51	1510	18	< 2	3	83	0.02	< 10	< 10	41	< 10	180
BB17581	201	< 0.01	33	810	10	< 2	2	42	0.05	< 10	< 10	31	< 10	118
BB17582	201	< 0.01	9	460	26	< 2	1	106	< 0.01	< 10	< 10	13	< 10	64
BB17583	201	< 0.01	17	990	16	2	1	128	0.02	< 10	< 10	41	< 10	72
BB17584	201	< 0.01	23	730	22	2	1	77	0.01	< 10	< 10	35	< 10	102
BB17585	201	< 0.01	16	610	20	2	1	65	0.01	< 10	< 10	34	< 10	76
BB17586	201	0.04	14	1390	10	< 2	< 1	75	< 0.01	< 10	< 10	21	< 10	44
BB17587	201	< 0.01	10	690	18	< 2	< 1	33	< 0.01	< 10	< 10	14	< 10	48
BB17588	201	< 0.01	28	520	48	2	1	22	0.01	< 10	< 10	33	< 10	140
BB17589	201	< 0.01	19	1140	20	< 2	< 1	45	< 0.01	< 10	< 10	30	< 10	104
BB17590	201	0.01	21	3460	12	4	1	83	< 0.01	< 10	10	17	< 10	84
BB17591	201	< 0.01	16	2110	20	2	1	73	0.01	< 10	< 10	51	< 10	48
BB17592	201	< 0.01	29	3470	14	< 2	3	128	0.02	< 10	< 10	76	< 10	156
BB17593	201	< 0.01	16	1750	22	< 2	2	125	0.01	< 10	< 10	59	< 10	92
BB17594	201	< 0.01	22	1550	20	2	3	147	0.01	< 10	< 10	50	< 10	82
BB17595	201	< 0.01	11	1260	22	< 2	1	101	0.01	< 10	< 10	66	< 10	84

CERTIFICATION:

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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
BB17596	201	202	1.4	0.92	10	650	< 0.5	< 2	0.06	< 0.5	2	18	23	1.33	< 10	< 1	0.06	10	0.05	65	5
BB17597	201	202	3.8	0.63	20	760	< 0.5	< 2	0.04	< 0.5	2	18	9	1.66	< 10	< 1	0.11	10	0.15	55	12
BB17598	201	202	4.8	0.56	24	340	< 0.5	< 2	0.01	< 0.5	1	20	15	2.00	< 10	1	0.17	10	0.05	25	52
BB17599	201	202	2.4	0.99	28	1300	< 0.5	< 2	0.07	< 0.5	5	33	34	2.01	< 10	< 1	0.10	10	0.25	115	21
BB17600	201	202	3.6	0.67	40	1620	< 0.5	< 2	0.03	< 0.5	1	26	18	2.14	< 10	1	0.07	10	0.12	55	41
BB17601	201	202	2.2	0.61	20	1320	< 0.5	< 2	0.04	< 0.5	2	17	13	1.60	< 10	< 1	0.06	< 10	0.11	50	25
BB17602	201	202	4.6	0.47	32	1270	< 0.5	< 2	0.01	< 0.5	1	15	16	2.36	< 10	< 1	0.11	< 10	0.04	45	94
BB17603	201	202	5.4	0.57	54	900	< 0.5	< 2	0.01	< 0.5	1	24	29	2.77	< 10	1	0.21	10	0.05	20	68
BB17604	201	202	2.8	0.36	50	1130	< 0.5	< 2	0.02	< 0.5	1	21	21	2.17	< 10	< 1	0.16	10	0.03	20	43
BB17605	201	202	3.2	1.62	100	2240	0.5	< 2	0.12	3.0	1	30	117	1.27	< 10	< 1	0.06	20	0.15	35	13
BB17606	201	202	3.0	0.62	14	2210	< 0.5	< 2	0.05	< 0.5	1	24	16	1.21	< 10	< 1	0.08	10	0.09	30	19
BB17607	201	202	2.0	0.77	24	820	< 0.5	< 2	0.08	< 0.5	2	21	22	1.52	< 10	< 1	0.10	10	0.15	55	12
BB17608	201	202	2.8	0.71	26	810	< 0.5	< 2	0.04	< 0.5	2	22	17	2.14	< 10	< 1	0.16	< 10	0.09	40	19
BB17609	201	202	4.4	0.53	24	830	< 0.5	< 2	0.02	< 0.5	1	17	18	1.36	< 10	< 1	0.08	< 10	0.08	35	49
BB17610	201	202	3.4	0.91	22	500	< 0.5	< 2	0.05	< 0.5	4	23	20	1.98	< 10	< 1	0.07	< 10	0.24	95	14
BB17611	201	202	9.8	1.20	50	5220	0.5	< 2	0.04	< 0.5	< 1	56	17	2.01	< 10	1	0.09	20	0.01	15	41
BB17612	201	202	2.4	0.83	34	630	< 0.5	< 2	0.05	< 0.5	3	22	15	2.15	< 10	< 1	0.10	< 10	0.14	75	11
BB17613	201	202	1.8	0.76	24	630	< 0.5	< 2	0.04	< 0.5	3	19	14	1.89	< 10	< 1	0.12	< 10	0.13	65	10
BB17614	201	202	3.0	0.25	14	1190	< 0.5	< 2	0.01	< 0.5	< 1	10	13	1.09	< 10	< 1	0.10	< 10	0.01	10	40
BB17615	201	202	0.6	0.22	2	410	< 0.5	< 2	0.01	< 0.5	< 1	3	3	0.17	< 10	< 1	0.03	< 10	0.01	< 5	3
BB17616	201	202	4.6	0.35	50	830	< 0.5	< 2	0.05	< 0.5	1	17	17	2.15	< 10	< 1	0.19	10	0.07	30	60
BB17617	201	202	1.8	0.49	24	810	< 0.5	< 2	0.03	< 0.5	1	16	11	1.56	< 10	< 1	0.10	< 10	0.06	40	13
BB17618	201	202	4.2	0.48	40	1020	< 0.5	< 2	0.05	< 0.5	1	26	23	2.61	< 10	< 1	0.24	10	0.10	40	33
BB17619	201	202	5.8	0.26	74	420	< 0.5	< 2	0.01	< 0.5	< 1	28	33	2.67	< 10	< 1	0.25	10	0.01	5	73
BB17620	201	202	9.0	0.63	118	800	< 0.5	< 2	0.06	< 0.5	1	56	57	2.63	< 10	< 1	0.21	30	0.04	35	75
BB17621	201	202	6.6	0.72	90	540	< 0.5	< 2	0.09	< 0.5	1	52	29	3.17	< 10	< 1	0.22	20	0.12	70	64
BB17622	201	202	3.8	1.02	44	970	< 0.5	< 2	0.07	< 0.5	4	38	36	2.52	< 10	1	0.12	10	0.23	130	20
BB17623	201	202	3.2	0.87	42	960	< 0.5	< 2	0.03	< 0.5	3	26	22	2.38	< 10	< 1	0.17	10	0.09	75	41
BB17624	201	202	2.0	0.23	24	160	< 0.5	< 2	0.01	< 0.5	< 1	9	9	3.12	< 10	< 1	0.42	< 10	0.01	5	17
BB17625	201	202	4.6	1.08	32	1190	< 0.5	< 2	0.05	< 0.5	5	34	18	2.10	< 10	< 1	0.11	10	0.21	95	58
BB17626	201	202	3.2	0.36	32	890	< 0.5	< 2	0.01	< 0.5	1	21	12	1.82	< 10	< 1	0.23	< 10	0.01	10	23
BB17627	201	202	5.6	0.39	38	1250	< 0.5	< 2	0.01	< 0.5	< 1	43	31	1.92	< 10	< 1	0.19	10	< 0.01	5	105
BB17628	201	202	1.0	0.38	44	380	< 0.5	< 2	0.04	< 0.5	< 1	22	22	2.10	< 10	< 1	0.12	20	< 0.01	15	25
BB17629	201	202	5.8	0.88	56	560	< 0.5	< 2	0.09	1.0	3	25	71	2.21	< 10	< 1	0.12	10	0.12	85	21
BB17630	201	202	5.4	0.46	8	620	< 0.5	< 2	0.04	< 0.5	1	10	32	0.77	< 10	< 1	0.07	< 10	0.02	25	11
BB17631	201	202	4.6	0.81	38	630	< 0.5	< 2	0.08	< 0.5	3	22	32	1.82	< 10	1	0.17	10	0.15	55	20
BB17632	201	202	3.0	0.70	28	720	< 0.5	< 2	0.07	< 0.5	1	18	31	1.38	< 10	1	0.07	10	0.11	30	14
BB17633	201	202	0.4	1.70	34	460	< 0.5	< 2	0.73	< 0.5	12	44	29	2.81	< 10	< 1	0.12	10	0.74	660	1
BB17634	201	202	0.2	1.33	14	500	< 0.5	< 2	0.44	< 0.5	7	40	14	2.20	< 10	< 1	0.09	10	0.66	230	1
BB17635	201	202	< 0.2	1.32	18	320	< 0.5	< 2	0.56	< 0.5	8	34	19	2.36	< 10	< 1	0.11	10	0.61	300	1

CERTIFICATION: Hart Buehler



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			%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
BB17596	201	202	< 0.01	9	970	26	< 2	< 1	81	< 0.01	< 10	< 10	42	< 10	52
BB17597	201	202	< 0.01	8	1250	22	2	1	101	0.01	< 10	< 10	46	< 10	30
BB17598	201	202	< 0.01	4	1940	60	14	4	257	0.01	< 10	< 10	65	< 10	16
BB17599	201	202	< 0.01	24	1780	22	6	4	203	0.02	< 10	< 10	71	< 10	62
BB17600	201	202	< 0.01	9	2970	22	6	5	243	0.01	< 10	< 10	73	< 10	34
BB17601	201	202	< 0.01	7	1770	20	6	2	136	< 0.01	< 10	< 10	50	< 10	28
BB17602	201	202	< 0.01	3	2160	46	18	10	142	0.01	< 10	< 10	52	< 10	12
BB17603	201	202	< 0.01	5	3630	32	20	1	307	< 0.01	< 10	< 10	122	< 10	20
BB17604	201	202	0.01	4	3350	24	8	< 1	217	< 0.01	< 10	< 10	98	< 10	24
BB17605	201	202	0.01	18	6640	28	8	2	178	< 0.01	< 10	< 10	100	< 10	76
BB17606	201	202	0.01	7	2620	26	6	1	327	< 0.01	< 10	< 10	72	< 10	28
BB17607	201	202	< 0.01	13	1520	28	2	1	137	0.01	< 10	< 10	58	< 10	68
BB17608	201	202	< 0.01	9	1380	38	2	1	107	0.01	< 10	< 10	53	< 10	42
BB17609	201	202	< 0.01	7	1230	38	6	< 1	128	< 0.01	< 10	< 10	47	< 10	36
BB17610	201	202	< 0.01	19	1190	16	2	3	65	0.01	< 10	< 10	44	< 10	58
BB17611	201	202	< 0.01	1	>10000	30	18	13	1105	0.01	< 10	10	201	< 10	26
BB17612	201	202	< 0.01	12	1800	20	2	1	103	0.01	< 10	< 10	60	< 10	52
BB17613	201	202	< 0.01	10	740	24	2	1	86	0.01	< 10	< 10	45	< 10	36
BB17614	201	202	< 0.01	2	2430	36	14	3	149	< 0.01	< 10	< 10	46	< 10	6
BB17615	201	202	0.04	< 1	500	6	< 2	< 1	33	< 0.01	< 10	< 10	10	< 10	2
BB17616	201	202	< 0.01	5	3350	34	20	9	220	0.01	< 10	< 10	69	< 10	18
BB17617	201	202	< 0.01	6	1520	28	2	2	122	0.01	< 10	< 10	46	< 10	32
BB17618	201	202	< 0.01	7	2830	32	10	4	261	0.01	< 10	< 10	84	< 10	22
BB17619	201	202	< 0.01	1	5030	46	26	9	356	0.01	< 10	< 10	121	< 10	12
BB17620	201	202	0.02	4	8260	40	36	13	663	0.01	< 10	10	200	< 10	30
BB17621	201	202	< 0.01	9	7070	26	24	8	685	0.01	< 10	10	167	< 10	42
BB17622	201	202	< 0.01	19	1440	26	6	2	180	0.01	< 10	< 10	79	< 10	70
BB17623	201	202	< 0.01	13	1570	32	6	2	194	0.01	< 10	< 10	74	< 10	40
BB17624	201	202	< 0.01	1	1100	30	10	1	217	< 0.01	< 10	< 10	35	< 10	6
BB17625	201	202	< 0.01	19	1580	30	6	5	266	0.02	< 10	10	91	< 10	34
BB17626	201	202	< 0.01	2	2350	58	2	1	217	< 0.01	< 10	< 10	39	< 10	16
BB17627	201	202	< 0.01	1	2240	34	14	7	414	0.01	< 10	< 10	128	< 10	8
BB17628	201	202	< 0.01	7	1960	26	10	6	444	< 0.01	< 10	< 10	41	< 10	24
BB17629	201	202	< 0.01	31	2630	40	8	2	172	< 0.01	< 10	< 10	66	< 10	206
BB17630	201	202	0.01	7	1440	24	< 2	< 1	99	< 0.01	< 10	< 10	21	< 10	32
BB17631	201	202	< 0.01	14	1740	28	6	3	134	0.01	< 10	< 10	59	< 10	72
BB17632	201	202	< 0.01	7	1970	26	< 2	< 1	104	< 0.01	< 10	< 10	45	< 10	30
BB17633	201	202	< 0.01	24	950	14	< 2	5	73	0.08	< 10	< 10	44	< 10	100
BB17634	201	202	< 0.01	20	550	8	< 2	3	39	0.10	< 10	< 10	36	< 10	76
BB17635	201	202	< 0.01	23	490	10	< 2	3	59	0.10	< 10	< 10	37	< 10	94

CERTIFICATION:

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			ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
BB17636	201	202	< 0.2	1.42	8	150	< 0.5	< 2	0.24	< 0.5	13	42	25	2.52	< 10	< 1	0.08	10	0.70	415	< 1
BB17637	201	202	0.6	0.76	56	870	< 0.5	< 2	0.10	< 0.5	6	27	20	2.29	< 10	< 1	0.07	10	0.31	530	7
BB17638	201	202	0.2	1.73	26	230	< 0.5	< 2	0.22	< 0.5	16	74	25	3.75	< 10	< 1	0.09	10	0.97	1005	3
BB17639	201	202	1.8	1.34	82	1500	< 0.5	< 2	0.09	0.5	7	31	34	2.83	< 10	< 1	0.09	10	0.30	410	6
BB17640	201	202	0.2	0.78	44	430	< 0.5	< 2	0.55	0.5	4	14	23	1.74	< 10	1	0.11	< 10	0.23	375	1
BB17641	201	202	< 0.2	0.97	70	380	< 0.5	< 2	0.33	0.5	12	33	23	2.37	< 10	< 1	0.09	< 10	0.56	575	1
BB17642	201	202	< 0.2	1.59	26	120	< 0.5	< 2	0.18	< 0.5	10	41	20	3.01	< 10	< 1	0.16	< 10	0.82	310	1
BB17643	201	202	< 0.2	1.00	24	170	< 0.5	< 2	0.23	< 0.5	5	21	15	1.70	< 10	< 1	0.07	< 10	0.31	135	1
BB17644	201	202	< 0.2	1.15	24	190	< 0.5	< 2	0.40	< 0.5	7	30	18	2.10	< 10	< 1	0.08	10	0.62	260	< 1
BB17645	201	202	0.8	1.57	74	460	< 0.5	< 2	0.63	< 0.5	8	30	22	2.28	< 10	< 1	0.09	10	0.52	385	1
BB17646	201	202	< 0.2	1.32	240	380	< 0.5	< 2	0.41	0.5	10	34	32	2.48	< 10	< 1	0.09	20	0.63	610	< 1
BB17647	201	202	< 0.2	1.39	16	190	< 0.5	< 2	0.37	< 0.5	9	37	20	2.48	< 10	< 1	0.08	10	0.67	320	< 1
BB17648	201	202	< 0.2	1.28	22	310	< 0.5	< 2	0.43	0.5	8	31	23	2.48	< 10	< 1	0.08	10	0.66	395	< 1
BB17649	201	202	< 0.2	1.08	44	300	< 0.5	< 2	0.24	< 0.5	6	26	19	2.09	< 10	< 1	0.05	10	0.52	290	1
BB17650	201	202	0.8	1.55	46	500	< 0.5	< 2	0.11	< 0.5	11	45	37	2.80	< 10	< 1	0.05	< 10	0.64	370	3
BB17651	201	202	0.2	1.26	54	200	< 0.5	< 2	0.03	< 0.5	6	30	17	2.53	< 10	< 1	0.03	< 10	0.31	265	2
BB17652	201	202	0.6	1.43	36	560	< 0.5	< 2	0.20	0.5	12	87	53	3.52	< 10	< 1	0.09	10	0.88	535	4
BB17653	201	202	1.2	0.60	22	540	< 0.5	< 2	0.03	< 0.5	< 1	25	14	1.52	< 10	< 1	0.14	< 10	0.03	40	4
BB17654	201	202	0.2	1.05	24	320	< 0.5	< 2	0.14	< 0.5	9	34	19	2.32	< 10	< 1	0.07	10	0.39	645	4
BB17655	201	202	0.2	0.90	50	550	< 0.5	< 2	0.06	< 0.5	6	18	36	2.10	< 10	< 1	0.04	40	0.35	290	3
BB17656	201	202	0.2	0.68	42	420	< 0.5	< 2	0.04	< 0.5	6	19	49	1.87	< 10	< 1	0.03	10	0.27	335	3
BB17657	201	202	< 0.2	1.14	50	320	< 0.5	< 2	0.09	< 0.5	8	17	26	2.08	< 10	< 1	0.03	40	0.53	440	2
BB18149	201	202	2.6	0.62	24	1960	< 0.5	< 2	0.09	0.5	3	34	18	1.43	< 10	< 1	0.09	10	0.11	85	17
BB18150	201	202	1.6	0.77	16	1070	< 0.5	< 2	0.10	< 0.5	4	21	22	1.44	< 10	< 1	0.06	< 10	0.18	135	11
BB18151	201	202	0.6	0.79	6	470	< 0.5	< 2	0.03	< 0.5	1	14	9	0.58	< 10	< 1	0.04	< 10	0.03	15	3
BB18152	201	202	5.2	0.88	30	1240	< 0.5	< 2	0.06	< 0.5	3	28	18	1.77	< 10	3	0.11	10	0.13	70	48
BB18153	201	202	10.2	0.79	36	2810	< 0.5	< 2	0.02	< 0.5	< 1	39	39	1.77	< 10	2	0.13	10	0.03	15	52
BB18154	201	202	2.2	0.66	18	1100	< 0.5	< 2	0.07	< 0.5	3	19	21	1.31	< 10	< 1	0.07	10	0.14	55	17
BB18155	201	202	1.0	0.47	20	610	< 0.5	< 2	0.04	< 0.5	1	19	12	1.17	< 10	< 1	0.06	< 10	0.09	55	7
BB18156	201	202	1.8	0.71	30	1010	< 0.5	< 2	0.14	< 0.5	7	38	22	1.68	< 10	< 1	0.10	< 10	0.36	405	8
BB18157	201	202	1.6	0.49	18	850	< 0.5	< 2	0.07	< 0.5	3	19	13	1.27	< 10	< 1	0.09	< 10	0.17	75	8
BB18158	201	202	3.8	0.53	32	2620	< 0.5	< 2	0.02	< 0.5	1	18	16	1.20	< 10	< 1	0.07	10	0.05	25	39
BB18159	201	202	2.2	0.47	6	580	< 0.5	< 2	0.01	< 0.5	1	13	8	0.75	< 10	< 1	0.05	< 10	0.03	20	7
BB18160	201	202	7.0	0.75	20	1210	< 0.5	< 2	0.03	< 0.5	1	17	16	1.25	< 10	1	0.06	< 10	0.08	30	19
BB18161	201	202	4.0	0.79	20	1110	< 0.5	< 2	0.06	< 0.5	4	19	21	1.32	< 10	< 1	0.06	< 10	0.15	85	19
BB18162	201	202	3.4	0.53	28	1440	< 0.5	< 2	0.02	< 0.5	< 1	19	19	1.67	< 10	1	0.08	10	0.05	30	16
BB18163	201	202	8.4	0.93	54	560	0.5	< 2	0.03	< 0.5	< 1	37	69	2.57	< 10	4	0.34	< 10	0.01	30	141
BB18164	201	202	2.8	1.08	36	3070	0.5	< 2	0.12	2.0	3	38	32	1.77	< 10	< 1	0.10	10	0.18	70	23
BB18165	201	202	4.0	1.09	26	1720	< 0.5	< 2	0.09	0.5	2	46	38	2.07	< 10	1	0.08	10	0.12	60	28
BB18166	201	202	4.4	1.17	26	1410	< 0.5	< 2	0.11	< 0.5	3	30	14	2.24	< 10	1	0.09	10	0.22	80	18

CERTIFICATION: *Hart Buchler*



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to: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : FP ARM
Comments:

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Certificate Date: 01-JUL-97
Invoice No. : 19728898
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS

A9728898

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
BB17636	201	202	< 0.01	33	520	10	< 2	3	17	0.08	< 10	< 10	34	< 10	78
BB17637	201	202	< 0.01	14	2190	46	2	3	199	0.02	< 10	< 10	46	< 10	78
BB17638	201	202	< 0.01	58	1610	16	< 2	3	25	0.06	< 10	< 10	52	< 10	122
BB17639	201	202	< 0.01	23	1480	32	< 2	1	114	0.01	< 10	< 10	49	< 10	100
BB17640	201	202	0.03	14	880	34	< 2	< 1	106	0.01	< 10	< 10	22	< 10	58
BB17641	201	202	< 0.01	33	790	14	< 2	3	44	0.03	< 10	< 10	29	< 10	130
BB17642	201	202	< 0.01	34	660	14	< 2	3	16	0.08	< 10	< 10	41	< 10	122
BB17643	201	202	< 0.01	12	350	12	< 2	2	25	0.07	< 10	< 10	30	< 10	54
BB17644	201	202	< 0.01	20	640	8	< 2	3	30	0.07	< 10	< 10	30	< 10	60
BB17645	201	202	0.02	21	850	10	< 2	4	67	0.05	< 10	< 10	35	< 10	72
BB17646	201	202	< 0.01	35	700	20	< 2	4	42	0.07	< 10	< 10	31	< 10	214
BB17647	201	202	< 0.01	27	470	8	< 2	3	28	0.10	< 10	< 10	37	< 10	74
BB17648	201	202	< 0.01	20	500	6	< 2	3	38	0.10	< 10	< 10	32	< 10	94
BB17649	201	202	< 0.01	23	620	14	< 2	1	22	0.04	< 10	< 10	23	< 10	134
BB17650	201	202	< 0.01	47	480	18	< 2	2	19	0.02	< 10	< 10	33	< 10	108
BB17651	201	202	< 0.01	24	390	24	< 2	1	10	< 0.01	< 10	< 10	25	< 10	104
BB17652	201	202	< 0.01	63	1800	24	< 2	2	78	0.01	< 10	< 10	55	< 10	160
BB17653	201	202	< 0.01	4	2790	28	< 2	< 1	48	< 0.01	< 10	< 10	15	< 10	14
BB17654	201	202	< 0.01	22	610	20	< 2	1	37	0.06	< 10	< 10	43	< 10	90
BB17655	201	202	< 0.01	23	340	42	< 2	2	25	< 0.01	< 10	< 10	20	< 10	168
BB17656	201	202	< 0.01	21	250	26	< 2	2	15	< 0.01	< 10	< 10	15	< 10	120
BB17657	201	202	< 0.01	24	310	32	< 2	1	13	0.01	< 10	< 10	15	< 10	170
BB18149	201	202	< 0.01	11	3600	26	6	1	200	< 0.01	< 10	< 10	71	< 10	46
BB18150	201	202	< 0.01	15	1420	20	2	2	121	0.01	< 10	< 10	55	< 10	52
BB18151	201	202	< 0.01	4	810	20	< 2	< 1	80	< 0.01	< 10	< 10	27	< 10	16
BB18152	201	202	< 0.01	11	2110	56	10	3	184	0.01	< 10	< 10	131	< 10	42
BB18153	201	202	< 0.01	3	5000	54	28	6	415	0.01	< 10	< 10	146	< 10	24
BB18154	201	202	< 0.01	11	1610	20	6	2	146	0.01	< 10	< 10	46	< 10	36
BB18155	201	202	< 0.01	12	630	18	< 2	< 1	69	< 0.01	< 10	< 10	32	< 10	32
BB18156	201	202	< 0.01	29	1440	18	< 2	3	92	0.01	< 10	< 10	41	< 10	64
BB18157	201	202	< 0.01	12	860	16	< 2	1	86	0.01	< 10	< 10	33	< 10	34
BB18158	201	202	< 0.01	3	4040	34	12	8	413	0.01	< 10	< 10	78	< 10	18
BB18159	201	202	< 0.01	3	920	18	2	< 1	93	< 0.01	< 10	< 10	39	< 10	16
BB18160	201	202	< 0.01	7	1470	28	2	1	122	< 0.01	< 10	< 10	48	< 10	26
BB18161	201	202	< 0.01	17	1330	24	2	3	118	0.01	< 10	< 10	45	< 10	56
BB18162	201	202	< 0.01	4	5200	60	10	8	176	0.01	< 10	< 10	54	< 10	24
BB18163	201	202	< 0.01	5	4010	54	8	10	116	0.02	< 10	30	186	< 10	16
BB18164	201	202	< 0.01	19	4910	28	6	5	320	0.01	< 10	20	111	< 10	84
BB18165	201	202	0.01	11	4230	24	2	< 1	118	< 0.01	< 10	< 10	65	< 10	36
BB18166	201	202	< 0.01	16	3510	26	6	5	178	0.03	< 10	< 10	83	< 10	54

CERTIFICATION:

Hart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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Client: EXPATRIATE RESOURCES LTD.
 C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
 P.O. BOX 4127
 WHITEHORSE, YT
 Y1A 3S9

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CERTIFICATE OF ANALYSIS A9728898

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
BB18167	201	202	2.6	1.00	12	600	< 0.5	< 2	0.03	< 0.5	2	24	9	2.07	< 10	< 1	0.07	< 10	0.10	50	8
BB18168	201	202	6.6	1.12	22	2350	0.5	< 2	0.09	< 0.5	4	28	39	1.65	< 10	2	0.07	10	0.19	85	43
BB18169	201	202	1.2	0.47	< 2	1410	< 0.5	< 2	0.03	< 0.5	1	15	9	0.73	< 10	< 1	0.04	10	0.02	25	14
BB18170	201	202	8.0	1.38	18	2430	< 0.5	< 2	0.03	< 0.5	3	36	20	1.78	< 10	1	0.07	10	0.13	55	38
BB18171	201	202	1.8	1.14	12	1230	< 0.5	< 2	0.11	0.5	8	26	30	1.78	< 10	< 1	0.08	10	0.28	155	19
BB18172	201	202	9.0	1.05	28	2610	< 0.5	< 2	0.03	< 0.5	1	28	11	1.73	< 10	1	0.06	10	0.08	35	38
BB18173	201	202	5.6	0.50	34	3470	< 0.5	< 2	0.01	< 0.5	< 1	19	9	0.48	< 10	3	0.05	10	0.01	5	70
BB18174	201	202	4.6	0.44	20	810	< 0.5	< 2	0.01	< 0.5	< 1	15	10	1.67	< 10	< 1	0.09	< 10	0.04	20	77
BB18175	201	202	3.8	0.92	22	1040	< 0.5	< 2	0.05	< 0.5	3	27	35	2.06	< 10	1	0.12	10	0.14	60	20
BB18176	201	202	2.0	1.04	22	1170	< 0.5	< 2	0.12	0.5	5	29	29	1.95	< 10	< 1	0.10	10	0.25	150	16
BB19737	201	202	1.4	1.09	34	670	< 0.5	< 2	0.15	< 0.5	6	36	40	1.92	< 10	1	0.08	10	0.31	380	9
BB19738	201	202	2.8	0.84	22	540	< 0.5	< 2	0.09	< 0.5	3	26	15	1.92	< 10	< 1	0.08	10	0.17	80	10
BB19739	201	202	1.0	1.62	32	490	< 0.5	< 2	0.06	0.5	6	41	14	2.47	< 10	< 1	0.08	10	0.29	175	5
BB19740	201	202	2.0	1.30	28	560	< 0.5	< 2	0.09	0.5	5	41	26	2.11	< 10	1	0.08	10	0.37	155	7
BB19741	201	202	2.0	0.64	8	440	< 0.5	< 2	0.05	< 0.5	1	19	11	0.94	< 10	< 1	0.06	< 10	0.13	55	4
BB19742	201	202	2.0	0.82	18	1110	< 0.5	< 2	0.17	0.5	5	28	20	1.52	< 10	< 1	0.07	< 10	0.23	300	8
BB19743	201	202	4.0	0.94	26	610	< 0.5	< 2	0.11	0.5	3	21	24	1.31	< 10	1	0.10	10	0.12	75	6
BB19744	201	202	1.0	0.70	64	420	< 0.5	< 2	0.12	< 0.5	3	19	18	1.56	< 10	1	0.07	10	0.19	145	5
BB19745	201	202	0.8	0.80	120	270	< 0.5	< 2	0.05	< 0.5	4	21	25	2.01	< 10	< 1	0.07	10	0.22	200	6
BB19746	201	202	0.8	0.41	154	420	< 0.5	< 2	0.14	0.5	3	13	18	1.60	< 10	< 1	0.06	20	0.16	175	5
BB19747	201	202	0.8	0.51	32	440	< 0.5	< 2	0.04	< 0.5	1	11	12	0.93	< 10	< 1	0.07	< 10	0.06	60	5
BB19748	201	202	1.8	1.20	64	270	< 0.5	< 2	0.05	< 0.5	5	26	19	2.22	< 10	< 1	0.05	10	0.27	205	4
BB19749	201	202	1.6	1.28	54	440	< 0.5	< 2	0.09	< 0.5	6	38	61	2.36	< 10	< 1	0.09	10	0.33	210	8
BB19750	201	202	1.2	0.99	52	380	< 0.5	< 2	0.06	0.5	4	26	28	1.74	< 10	< 1	0.05	10	0.23	180	4
BB19751	201	202	0.8	0.98	28	850	< 0.5	< 2	0.17	0.5	5	34	17	2.03	< 10	< 1	0.08	10	0.32	415	7
BB19752	201	202	1.2	0.85	24	830	< 0.5	< 2	0.14	0.5	4	27	17	1.56	< 10	< 1	0.08	10	0.23	275	6
BB19753	201	202	1.8	0.74	18	620	< 0.5	< 2	0.07	< 0.5	1	24	16	1.10	< 10	< 1	0.07	< 10	0.15	55	6
BB19754	201	202	1.0	1.13	30	650	< 0.5	< 2	0.22	1.5	5	32	233	1.62	< 10	< 1	0.09	10	0.37	140	5
BB19755	201	202	1.0	1.27	16	1170	0.5	< 2	0.24	1.5	4	32	187	0.85	< 10	< 1	0.07	10	0.28	120	1
BB19756	201	202	2.0	1.08	2	920	< 0.5	< 2	0.18	0.5	2	31	23	0.81	< 10	< 1	0.05	< 10	0.25	90	< 1
BB19757	201	202	1.6	1.29	18	800	< 0.5	< 2	0.10	1.0	3	35	73	1.11	< 10	< 1	0.08	10	0.24	75	2
BB19758	201	202	0.6	0.88	26	450	< 0.5	< 2	0.05	< 0.5	3	27	10	1.57	< 10	1	0.06	10	0.17	80	4
BB19759	201	202	0.8	1.13	36	410	< 0.5	< 2	0.13	< 0.5	8	37	28	2.10	< 10	< 1	0.06	10	0.42	395	4
BB19760	201	202	0.2	0.84	60	320	< 0.5	< 2	0.15	< 0.5	6	34	29	2.17	< 10	< 1	0.07	10	0.38	250	2
BB19761	201	202	4.4	1.09	38	590	< 0.5	< 2	0.06	< 0.5	3	26	91	2.49	< 10	2	0.12	< 10	0.18	75	17
BB19762	201	202	2.2	0.97	66	430	< 0.5	< 2	0.04	< 0.5	3	22	22	2.41	< 10	< 1	0.07	< 10	0.15	115	9
BB19763	201	202	0.8	0.94	108	230	< 0.5	< 2	0.04	0.5	9	18	31	2.01	< 10	1	0.05	< 10	0.20	725	4
BB19764	201	202	0.2	0.58	170	270	< 0.5	< 2	0.05	< 0.5	6	12	34	1.81	< 10	< 1	0.04	< 10	0.15	460	3
BB19765	201	202	0.2	0.61	1490	550	0.5	< 2	0.27	9.0	8	5	26	3.14	< 10	< 1	0.18	20	0.06	1095	6
BB19766	201	202	2.6	0.84	34	700	< 0.5	< 2	0.06	< 0.5	3	26	19	2.01	< 10	1	0.10	10	0.21	100	14

CERTIFICATION:

Hart Bickler



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	CODE		%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
BB18167	201	202	< 0.01	7	730	22	8	1	83	0.01	< 10	< 10	57	< 10	34
BB18168	201	202	< 0.01	20	3100	36	12	7	353	0.01	< 10	< 10	136	< 10	92
BB18169	201	202	< 0.01	5	970	20	6	< 1	197	0.01	< 10	< 10	84	< 10	40
BB18170	201	202	< 0.01	13	2390	30	14	4	263	0.01	< 10	< 10	65	< 10	42
BB18171	201	202	< 0.01	33	1210	20	4	5	144	0.03	< 10	< 10	47	< 10	90
BB18172	201	202	< 0.01	7	3720	24	12	6	366	0.02	< 10	< 10	102	< 10	36
BB18173	201	202	< 0.01	1	2510	88	22	1	344	< 0.01	< 10	20	212	< 10	10
BB18174	201	202	0.01	4	1780	38	14	3	127	0.01	< 10	< 10	71	< 10	18
BB18175	201	202	< 0.01	12	2240	26	6	3	133	0.01	< 10	< 10	65	< 10	46
BB18176	201	202	< 0.01	19	1980	24	8	4	170	0.01	< 10	< 10	66	< 10	64
BB19737	201	202	< 0.01	21	1330	16	2	1	85	0.01	< 10	< 10	66	< 10	78
BB19738	201	202	< 0.01	12	1910	14	6	< 1	98	0.01	< 10	< 10	47	< 10	42
BB19739	201	202	< 0.01	23	820	20	2	2	69	0.02	< 10	< 10	53	< 10	90
BB19740	201	202	< 0.01	28	920	16	4	2	77	0.03	< 10	< 10	47	< 10	60
BB19741	201	202	0.04	9	900	12	2	< 1	49	< 0.01	< 10	< 10	24	< 10	26
BB19742	201	202	0.01	23	1220	16	6	< 1	83	< 0.01	< 10	< 10	36	< 10	76
BB19743	201	202	0.01	15	1270	54	2	< 1	106	< 0.01	< 10	< 10	25	< 10	82
BB19744	201	202	< 0.01	16	630	24	4	1	67	0.01	< 10	< 10	30	< 10	80
BB19745	201	202	< 0.01	18	540	36	6	1	40	0.01	< 10	< 10	31	< 10	118
BB19746	201	202	< 0.01	15	840	18	4	1	77	0.01	< 10	< 10	21	< 10	120
BB19747	201	202	< 0.01	8	490	16	4	< 1	73	< 0.01	< 10	< 10	24	< 10	54
BB19748	201	202	< 0.01	20	630	24	4	1	30	0.01	< 10	< 10	34	< 10	100
BB19749	201	202	< 0.01	31	940	22	6	2	73	0.01	< 10	< 10	41	< 10	80
BB19750	201	202	< 0.01	19	550	20	2	1	40	0.01	< 10	< 10	33	< 10	68
BB19751	201	202	< 0.01	23	980	16	6	1	76	0.01	< 10	< 10	46	< 10	86
BB19752	201	202	< 0.01	18	950	16	2	< 1	74	< 0.01	< 10	< 10	40	< 10	64
BB19753	201	202	0.01	10	940	18	6	< 1	91	< 0.01	< 10	< 10	30	< 10	36
BB19754	201	202	< 0.01	29	1590	14	6	2	127	0.02	< 10	< 10	64	< 10	84
BB19755	201	202	0.01	27	1700	16	2	< 1	119	< 0.01	< 10	< 10	32	< 10	102
BB19756	201	202	0.01	18	1390	14	4	< 1	81	< 0.01	< 10	< 10	24	< 10	60
BB19757	201	202	0.01	18	1210	20	2	< 1	72	< 0.01	< 10	< 10	38	< 10	56
BB19758	201	202	< 0.01	11	610	18	6	< 1	61	0.01	< 10	< 10	41	< 10	28
BB19759	201	202	< 0.01	31	680	18	2	2	50	0.03	< 10	< 10	37	< 10	72
BB19760	201	202	< 0.01	27	640	20	2	1	43	0.03	< 10	< 10	29	< 10	76
BB19761	201	202	< 0.01	18	3180	24	4	5	102	0.01	< 10	< 10	63	< 10	54
BB19762	201	202	< 0.01	13	940	28	2	1	61	< 0.01	< 10	< 10	54	< 10	62
BB19763	201	202	< 0.01	30	530	26	2	1	35	< 0.01	< 10	< 10	19	< 10	150
BB19764	201	202	< 0.01	19	350	20	2	< 1	23	< 0.01	< 10	< 10	15	< 10	84
BB19765	201	202	< 0.01	39	650	40	2	1	100	< 0.01	< 10	< 10	7	< 10	1405
BB19766	201	202	< 0.01	18	1000	28	2	2	96	0.02	< 10	< 10	56	< 10	70

CERTIFICATION:

Hart Bichler



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Client: EXPATRIATE RESOURCES LTD.
 C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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 WHITEHORSE, YT
 Y1A 3S9

Project: FP ARM
 Comments:

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 Certificate Date: 01-JUL-97
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 P.O. Number:
 Account: MPO

CERTIFICATE OF ANALYSIS A9728898

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
BB19767	201	202	3.2	0.97	28	1780	< 0.5	< 2	0.13	< 0.5	3	31	23	1.89	< 10	< 1	0.10	10	0.23	85	28
BB19768	201	202	1.4	0.57	16	990	< 0.5	< 2	0.03	< 0.5	1	15	10	1.73	< 10	1	0.10	< 10	0.04	25	12
BB19769	201	202	3.0	1.01	36	510	< 0.5	< 2	0.03	< 0.5	1	25	14	2.22	< 10	< 1	0.08	< 10	0.14	65	10
BB19770	201	202	3.4	0.91	26	1400	< 0.5	< 2	0.06	< 0.5	3	29	14	1.79	< 10	1	0.10	10	0.17	75	17
BB19771	201	202	6.6	0.61	14	2780	< 0.5	< 2	0.02	< 0.5	< 1	27	25	1.12	< 10	< 1	0.06	10	0.02	25	19
BB19772	201	202	5.8	0.96	2	3060	< 0.5	< 2	0.03	< 0.5	< 1	26	44	0.94	< 10	1	0.05	10	0.01	15	12
BB19773	201	202	2.2	0.77	8	3610	< 0.5	< 2	0.02	< 0.5	< 1	30	22	0.76	< 10	< 1	0.04	10	0.01	10	17
BB19774	201	202	5.2	0.41	14	3710	< 0.5	< 2	0.01	< 0.5	< 1	18	6	0.78	< 10	1	0.04	10	< 0.01	< 5	24
BB19775	201	202	1.6	0.09	< 2	980	< 0.5	< 2	< 0.01	< 0.5	< 1	3	5	0.56	< 10	< 1	0.08	< 10	< 0.01	< 5	8
BB19776	201	202	1.0	0.86	26	350	< 0.5	< 2	0.03	< 0.5	2	19	12	1.92	< 10	< 1	0.06	< 10	0.09	65	6
BB19777	201	202	2.0	0.15	10	820	< 0.5	< 2	< 0.01	< 0.5	< 1	9	5	1.35	< 10	< 1	0.10	< 10	< 0.01	5	3
BB19778	201	202	12.8	0.86	62	670	< 0.5	< 2	0.01	< 0.5	< 1	29	13	2.56	< 10	1	0.06	< 10	0.03	35	58
BB19779	201	202	1.4	0.56	10	600	< 0.5	< 2	0.03	< 0.5	< 1	14	8	1.16	< 10	1	0.09	< 10	0.03	30	10
BB19780	201	202	6.0	1.51	32	1790	< 0.5	< 2	0.08	< 0.5	4	48	25	2.44	< 10	< 1	0.09	10	0.25	90	27
BB19781	201	202	2.6	1.27	28	510	< 0.5	< 2	0.12	< 0.5	4	36	23	2.34	< 10	< 1	0.09	10	0.27	115	11
BB19782	201	202	2.4	0.63	14	520	< 0.5	< 2	0.03	< 0.5	< 1	15	8	1.14	< 10	< 1	0.07	< 10	0.05	25	9
BB19783	201	202	2.0	0.60	24	960	< 0.5	< 2	0.05	< 0.5	1	19	15	1.15	< 10	< 1	0.09	< 10	0.08	40	16
BB19784	201	202	2.0	0.66	20	580	< 0.5	< 2	0.04	< 0.5	2	20	7	1.71	< 10	< 1	0.06	< 10	0.10	40	15
BB19785	201	202	2.2	1.33	94	680	< 0.5	< 2	0.08	< 0.5	6	28	42	2.70	< 10	< 1	0.08	10	0.33	145	24
BB19786	201	202	3.8	0.28	36	570	< 0.5	< 2	0.01	< 0.5	< 1	16	13	2.09	< 10	< 1	0.23	< 10	0.03	20	13
BB19787	201	202	2.8	0.70	12	360	< 0.5	< 2	0.03	< 0.5	< 1	15	29	0.87	< 10	1	0.09	< 10	0.04	15	6
BB19788	201	202	1.6	0.54	6	300	< 0.5	< 2	0.03	< 0.5	< 1	10	17	0.50	< 10	1	0.08	< 10	0.03	5	3
BB19789	201	202	1.2	0.62	20	390	< 0.5	< 2	0.02	< 0.5	< 1	15	32	1.24	< 10	< 1	0.08	< 10	0.03	30	8
BB19790	201	202	3.6	0.79	52	530	< 0.5	< 2	0.08	< 0.5	4	24	57	2.26	< 10	< 1	0.14	10	0.13	100	17
BB19791	201	202	8.8	0.30	84	370	< 0.5	< 2	0.01	< 0.5	< 1	26	40	2.82	< 10	1	0.32	10	< 0.01	10	111
BB19792	201	202	1.2	0.23	44	350	< 0.5	< 2	< 0.01	< 0.5	< 1	9	7	1.32	< 10	< 1	0.21	< 10	0.01	< 5	2
BB19793	201	202	6.8	0.20	20	810	< 0.5	< 2	< 0.01	< 0.5	< 1	18	9	1.72	< 10	< 1	0.19	< 10	< 0.01	5	40
BB19794	201	202	5.2	0.31	8	520	< 0.5	< 2	< 0.01	< 0.5	< 1	19	37	0.80	< 10	< 1	0.12	10	< 0.01	20	26
BB19795	201	202	5.2	1.28	38	730	< 0.5	< 2	0.06	< 0.5	3	41	17	3.04	< 10	< 1	0.09	10	0.27	95	13
BB19796	201	202	24.8	0.58	232	1420	< 0.5	< 2	0.01	< 0.5	< 1	45	24	1.69	< 10	1	0.17	30	0.01	10	175
BB19797	201	202	2.8	0.31	28	680	< 0.5	< 2	0.01	< 0.5	< 1	13	9	1.59	< 10	< 1	0.20	< 10	0.04	20	14
BB19798	201	202	1.6	0.38	26	500	< 0.5	< 2	0.01	< 0.5	< 1	10	9	1.29	< 10	< 1	0.18	< 10	0.03	15	8
BB19799	201	202	2.6	0.14	18	450	< 0.5	< 2	< 0.01	< 0.5	< 1	7	5	1.52	< 10	< 1	0.25	< 10	0.01	< 5	9
BB19800	201	202	4.0	0.28	22	590	< 0.5	< 2	0.08	< 0.5	< 1	14	13	1.61	< 10	< 1	0.21	10	0.05	20	13
BB19801	201	202	1.8	0.82	42	620	< 0.5	< 2	0.07	< 0.5	1	26	39	2.39	< 10	< 1	0.19	< 10	0.10	75	12
BB19802	201	202	2.0	0.93	30	420	< 0.5	< 2	0.04	< 0.5	2	25	22	2.05	< 10	< 1	0.10	< 10	0.11	60	10
BB19803	201	202	3.4	0.62	44	590	< 0.5	< 2	0.04	< 0.5	1	19	21	1.73	< 10	< 1	0.13	< 10	0.10	35	10
BB19804	201	202	1.0	0.68	18	650	< 0.5	< 2	0.13	< 0.5	3	18	35	1.47	< 10	< 1	0.07	< 10	0.15	70	9
BB19805	201	202	3.2	0.22	32	460	< 0.5	< 2	0.02	< 0.5	< 1	13	11	1.72	< 10	< 1	0.21	< 10	0.03	15	28
BB19806	201	202	3.0	0.52	26	710	< 0.5	< 2	0.04	< 0.5	1	19	13	2.11	< 10	< 1	0.21	10	0.09	30	22

CERTIFICATION: *Hart Bickler*



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EXPATRIATE RESOURCES LTD.
 C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
 P.O. BOX 4127
 WHITEHORSE, YT
 Y1A 3S9

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 Certificate Date: 01-JUL-97
 Invoice No. : I9728898
 P.O. Number :
 Account : MPO

Project: FP ARM
 Comments:

CERTIFICATE OF ANALYSIS A9728898

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
BB19767	201	202	< 0.01	19	2660	24	6	5	241	0.02	< 10	< 10	92	< 10	58
BB19768	201	202	< 0.01	5	1470	22	4	1	102	0.01	< 10	< 10	58	< 10	26
BB19769	201	202	< 0.01	13	1280	18	2	1	81	0.01	< 10	< 10	59	< 10	62
BB19770	201	202	< 0.01	14	2020	26	2	3	174	0.01	< 10	< 10	71	< 10	48
BB19771	201	202	0.01	3	2980	32	8	< 1	295	< 0.01	< 10	< 10	86	< 10	16
BB19772	201	202	0.01	3	2880	32	6	1	251	< 0.01	< 10	< 10	76	< 10	10
BB19773	201	202	0.01	3	3010	38	2	< 1	418	< 0.01	< 10	< 10	82	< 10	12
BB19774	201	202	< 0.01	< 1	4680	26	14	3	632	< 0.01	< 10	< 10	61	< 10	6
BB19775	201	202	< 0.01	< 1	200	16	10	< 1	43	< 0.01	< 10	< 10	9	< 10	< 2
BB19776	201	202	< 0.01	9	520	20	2	1	69	0.01	< 10	< 10	52	< 10	38
BB19777	201	202	< 0.01	< 1	2550	30	2	5	149	< 0.01	< 10	< 10	20	< 10	2
BB19778	201	202	< 0.01	5	5990	44	16	4	119	0.01	< 10	< 10	113	< 10	28
BB19779	201	202	< 0.01	6	610	20	< 2	1	82	0.01	< 10	< 10	41	< 10	28
BB19780	201	202	< 0.01	18	2840	30	6	5	250	0.02	< 10	10	131	< 10	48
BB19781	201	202	< 0.01	21	1720	18	2	3	106	0.02	< 10	< 10	65	< 10	80
BB19782	201	202	< 0.01	6	780	24	< 2	< 1	93	< 0.01	< 10	< 10	44	< 10	28
BB19783	201	202	< 0.01	10	1080	32	2	< 1	141	< 0.01	< 10	< 10	48	< 10	44
BB19784	201	202	< 0.01	7	1630	18	4	1	89	0.01	< 10	< 10	53	< 10	26
BB19785	201	202	< 0.01	30	1210	28	4	2	100	0.02	< 10	< 10	55	< 10	112
BB19786	201	202	< 0.01	6	1910	34	6	1	76	< 0.01	< 10	< 10	32	< 10	24
BB19787	201	202	0.01	7	1520	22	2	< 1	120	< 0.01	< 10	< 10	33	< 10	44
BB19788	201	202	0.03	4	1180	26	< 2	< 1	156	< 0.01	< 10	< 10	15	< 10	18
BB19789	201	202	0.01	5	1430	22	4	< 1	100	< 0.01	< 10	< 10	37	< 10	42
BB19790	201	202	< 0.01	27	1950	28	6	2	160	< 0.01	< 10	< 10	68	< 10	206
BB19791	201	202	< 0.01	1	3530	82	34	6	164	0.01	< 10	10	107	< 10	8
BB19792	201	202	< 0.01	1	1880	22	6	1	51	< 0.01	< 10	< 10	10	< 10	2
BB19793	201	202	< 0.01	1	1150	36	8	3	103	< 0.01	< 10	< 10	40	< 10	2
BB19794	201	202	< 0.01	4	400	68	18	1	36	< 0.01	< 10	10	36	< 10	< 2
BB19795	201	202	< 0.01	15	1190	24	8	2	100	0.03	< 10	< 10	74	< 10	40
BB19796	201	202	< 0.01	4	3000	162	28	1	481	< 0.01	< 10	20	496	< 10	18
BB19797	201	202	< 0.01	3	1420	38	4	1	114	< 0.01	< 10	< 10	36	< 10	16
BB19798	201	202	< 0.01	4	880	28	4	< 1	80	< 0.01	< 10	< 10	30	< 10	24
BB19799	201	202	< 0.01	1	700	34	6	< 1	61	< 0.01	< 10	< 10	28	< 10	2
BB19800	201	202	< 0.01	5	1920	26	8	< 1	97	< 0.01	< 10	< 10	46	< 10	16
BB19801	201	202	< 0.01	11	2070	30	6	1	219	< 0.01	< 10	< 10	68	< 10	46
BB19802	201	202	< 0.01	12	1090	24	2	1	121	< 0.01	< 10	< 10	64	< 10	60
BB19803	201	202	< 0.01	7	1400	22	4	1	72	< 0.01	< 10	< 10	43	< 10	24
BB19804	201	202	< 0.01	14	1290	22	2	1	117	< 0.01	< 10	< 10	39	< 10	66
BB19805	201	202	< 0.01	4	1670	32	6	1	208	< 0.01	< 10	< 10	41	< 10	18
BB19806	201	202	< 0.01	7	1690	30	8	1	170	0.01	< 10	< 10	51	< 10	26

CERTIFICATION:

Handwritten signature



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A9728898

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
BB19807	201	202	5.2	0.39	26	1290	< 0.5	< 2	0.01	< 0.5	< 1	29	12	2.11	< 10	< 1	0.14	10	0.03	15	33
BB19808	201	202	13.8	0.17	38	210	< 0.5	< 2	0.01	< 0.5	< 1	28	18	3.44	< 10	< 1	0.48	10	0.01	20	46
BB19809	201	202	4.2	1.09	34	620	< 0.5	< 2	0.09	< 0.5	5	29	46	1.97	< 10	< 1	0.14	10	0.25	125	18
BB19810	201	202	8.2	0.78	80	1010	< 0.5	< 2	0.08	< 0.5	2	30	52	1.91	< 10	< 1	0.13	10	0.13	65	85
BB19811	201	202	4.4	1.12	30	510	< 0.5	< 2	0.06	< 0.5	3	28	25	2.12	< 10	< 1	0.10	10	0.18	95	27
BB19812	201	202	2.6	1.99	34	430	< 0.5	< 2	0.15	< 0.5	12	60	53	3.05	< 10	1	0.07	10	0.72	440	9
BB19813	201	202	1.6	0.65	16	1470	< 0.5	< 2	0.06	< 0.5	2	16	21	1.27	< 10	< 1	0.07	10	0.12	65	16
BB19814	201	202	7.4	1.32	98	1050	0.5	< 2	0.07	< 0.5	3	50	54	2.60	< 10	1	0.13	10	0.21	105	102
BB19815	201	202	1.8	0.67	28	310	< 0.5	2	0.03	< 0.5	3	19	21	2.07	< 10	< 1	0.06	< 10	0.08	85	10
BB19816	201	202	1.8	0.72	24	350	< 0.5	< 2	0.04	< 0.5	2	17	17	1.48	< 10	< 1	0.06	< 10	0.08	55	11
BB19817	201	202	8.2	0.45	22	480	< 0.5	2	0.02	< 0.5	1	18	14	2.46	< 10	< 1	0.25	< 10	0.04	80	21
BB19818	201	202	5.6	0.46	34	1390	< 0.5	< 2	0.03	< 0.5	< 1	22	23	1.81	< 10	< 1	0.13	10	0.04	20	52
BB19819	201	202	2.2	0.74	4	610	< 0.5	< 2	0.01	< 0.5	< 1	14	15	1.13	< 10	< 1	0.08	< 10	0.03	15	6
BB19820	201	202	2.2	0.94	40	410	< 0.5	< 2	0.04	< 0.5	3	24	27	2.90	< 10	< 1	0.10	< 10	0.11	105	12
BB19821	201	202	8.6	1.37	48	810	0.5	< 2	0.07	< 0.5	3	34	20	2.41	< 10	< 1	0.07	10	0.19	75	30
BB19822	201	202	6.4	0.81	56	720	< 0.5	< 2	0.06	< 0.5	1	36	24	2.02	< 10	< 1	0.08	< 10	0.09	40	20
BB19823	201	202	1.4	0.39	8	220	< 0.5	< 2	0.01	< 0.5	< 1	9	11	0.69	< 10	< 1	0.08	< 10	0.01	10	24
BB19824	201	202	1.0	0.35	18	310	< 0.5	< 2	0.03	< 0.5	< 1	11	18	1.10	< 10	< 1	0.09	20	0.02	30	9
BB19825	201	202	1.4	0.70	34	250	< 0.5	< 2	0.03	< 0.5	3	22	35	2.43	< 10	< 1	0.07	< 10	0.08	70	10
BB19826	201	202	1.4	0.66	28	370	< 0.5	< 2	0.05	< 0.5	2	21	51	1.67	< 10	< 1	0.07	< 10	0.06	45	10
BB19827	201	202	2.0	0.74	32	330	< 0.5	2	0.08	< 0.5	3	20	71	1.82	< 10	< 1	0.08	< 10	0.09	65	10
BB19828	201	202	1.6	0.41	26	350	< 0.5	< 2	0.06	0.5	2	15	44	1.37	< 10	< 1	0.09	< 10	0.07	40	13
BB19829	201	202	0.4	0.76	188	410	< 0.5	4	0.07	2.5	3	14	74	>15.00	< 10	< 1	0.04	10	0.01	145	48
BB19830	201	202	1.6	0.69	20	420	< 0.5	< 2	0.43	0.5	5	16	56	1.62	< 10	< 1	0.06	< 10	0.18	190	6
BB19831	201	202	2.0	0.72	32	490	< 0.5	< 2	0.40	3.0	7	21	101	2.40	< 10	< 1	0.10	< 10	0.21	275	10
BB19832	201	202	1.2	0.64	14	310	< 0.5	< 2	0.04	< 0.5	1	15	19	1.48	< 10	< 1	0.06	10	0.06	40	7
BB19833	201	202	2.4	0.99	48	580	0.5	< 2	0.13	< 0.5	4	32	81	2.54	< 10	< 1	0.15	10	0.15	105	13
BB19834	201	202	3.6	1.48	54	410	0.5	< 2	0.13	0.5	5	41	55	4.32	< 10	< 1	0.13	10	0.19	140	13
BB19835	201	202	1.4	1.12	36	420	0.5	< 2	0.08	0.5	3	26	30	2.71	< 10	< 1	0.09	10	0.12	90	9
BB19836	201	202	2.2	0.74	40	460	< 0.5	< 2	0.07	0.5	3	23	34	2.72	< 10	< 1	0.11	10	0.10	80	15
BB19837	201	202	2.6	0.87	38	470	< 0.5	< 2	0.03	< 0.5	3	21	23	2.19	< 10	< 1	0.10	10	0.10	65	16
BB19838	201	202	1.4	0.39	42	350	< 0.5	< 2	0.06	< 0.5	< 1	20	14	1.68	< 10	< 1	0.11	< 10	0.01	10	8
BB19839	201	202	3.2	0.32	20	680	< 0.5	< 2	0.01	< 0.5	< 1	11	12	1.72	< 10	< 1	0.18	< 10	0.02	15	18
BB19840	201	202	3.0	0.57	24	930	< 0.5	< 2	0.01	< 0.5	1	17	16	1.95	< 10	< 1	0.18	< 10	0.04	20	17
BB19841	201	202	2.2	0.68	36	750	< 0.5	< 2	0.09	< 0.5	3	19	24	2.17	< 10	< 1	0.19	< 10	0.14	80	13
BB19842	201	202	2.0	0.28	34	620	< 0.5	< 2	0.01	< 0.5	< 1	11	12	2.03	< 10	< 1	0.23	< 10	0.01	15	8
BB19843	201	202	2.0	0.47	32	560	< 0.5	< 2	0.02	< 0.5	1	13	16	1.53	< 10	< 1	0.12	< 10	0.06	65	9
BB19844	201	202	3.2	0.74	46	520	< 0.5	< 2	0.09	< 0.5	3	22	37	2.42	< 10	< 1	0.11	< 10	0.15	95	15
BB19845	201	202	4.6	0.61	36	970	< 0.5	< 2	0.03	< 0.5	1	21	22	2.13	< 10	< 1	0.10	10	0.04	50	61
BB19846	201	202	4.0	0.37	34	1000	< 0.5	2	< 0.01	< 0.5	< 1	18	14	1.08	< 10	1	0.11	10	< 0.01	15	27

CERTIFICATION:

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EXPATRIATE RESOURCES LTD.
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Project: FP ARM
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CERTIFICATE OF ANALYSIS

A9728898

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
BB19807	201	202	< 0.01	3	5040	22	10	1	363	< 0.01	< 10	< 10	79	< 10	16
BB19808	201	202	< 0.01	4	3040	46	22	3	111	0.01	< 10	< 10	80	< 10	2
BB19809	201	202	< 0.01	18	1400	24	6	3	144	0.01	< 10	< 10	73	< 10	54
BB19810	201	202	< 0.01	12	3160	28	16	4	405	0.01	< 10	< 10	163	< 10	48
BB19811	201	202	< 0.01	14	1030	26	4	1	127	0.01	< 10	< 10	79	< 10	54
BB19812	201	202	< 0.01	46	660	22	4	4	68	0.04	< 10	< 10	55	< 10	76
BB19813	201	202	< 0.01	10	1390	20	6	2	206	0.01	< 10	< 10	56	< 10	34
BB19814	201	202	< 0.01	16	3080	30	20	4	349	0.01	< 10	< 10	169	< 10	46
BB19815	201	202	< 0.01	11	1200	28	4	< 1	104	0.01	< 10	< 10	55	< 10	58
BB19816	201	202	< 0.01	9	720	24	< 2	< 1	92	< 0.01	< 10	< 10	48	< 10	46
BB19817	201	202	< 0.01	4	1250	64	20	< 1	103	< 0.01	< 10	< 10	41	< 10	18
BB19818	201	202	0.01	3	3890	32	14	2	372	< 0.01	< 10	10	100	< 10	14
BB19819	201	202	< 0.01	4	1470	30	2	< 1	117	< 0.01	< 10	< 10	29	< 10	14
BB19820	201	202	< 0.01	17	1550	24	2	< 1	100	< 0.01	< 10	< 10	87	< 10	160
BB19821	201	202	< 0.01	12	1870	28	10	2	118	0.02	< 10	< 10	91	< 10	34
BB19822	201	202	< 0.01	7	3830	36	8	3	153	0.01	< 10	< 10	96	< 10	36
BB19823	201	202	0.01	3	400	28	2	< 1	50	< 0.01	< 10	< 10	36	< 10	16
BB19824	201	202	< 0.01	6	1630	24	8	1	479	< 0.01	< 10	< 10	22	< 10	42
BB19825	201	202	< 0.01	17	1480	20	4	< 1	99	< 0.01	< 10	< 10	67	< 10	102
BB19826	201	202	< 0.01	13	1560	16	4	1	132	< 0.01	< 10	< 10	62	< 10	86
BB19827	201	202	< 0.01	15	1770	16	6	1	116	< 0.01	< 10	< 10	55	< 10	90
BB19828	201	202	< 0.01	13	1330	20	4	< 1	146	< 0.01	< 10	< 10	39	< 10	88
BB19829	201	202	< 0.01	19	>10000	6	18	1	362	< 0.01	< 10	< 10	77	< 10	158
BB19830	201	202	< 0.01	20	1280	16	4	1	161	< 0.01	< 10	< 10	44	< 10	174
BB19831	201	202	< 0.01	41	1570	20	6	3	188	< 0.01	< 10	< 10	67	< 10	378
BB19832	201	202	< 0.01	9	1140	20	2	< 1	99	< 0.01	< 10	< 10	53	< 10	74
BB19833	201	202	< 0.01	29	2190	30	6	3	162	< 0.01	< 10	< 10	84	< 10	146
BB19834	201	202	< 0.01	27	3230	28	6	2	150	0.01	< 10	< 10	118	< 10	154
BB19835	201	202	< 0.01	17	1800	20	2	1	124	0.01	< 10	< 10	76	< 10	150
BB19836	201	202	< 0.01	20	1980	26	8	1	143	0.01	< 10	< 10	81	< 10	204
BB19837	201	202	< 0.01	13	1180	28	8	1	139	< 0.01	< 10	< 10	72	< 10	90
BB19838	201	202	< 0.01	7	3830	24	8	2	374	< 0.01	< 10	< 10	35	< 10	48
BB19839	201	202	< 0.01	3	1440	42	2	1	131	< 0.01	< 10	< 10	37	< 10	16
BB19840	201	202	< 0.01	4	1580	46	2	1	133	< 0.01	< 10	< 10	42	< 10	22
BB19841	201	202	< 0.01	12	1900	34	8	1	145	0.01	< 10	< 10	56	< 10	52
BB19842	201	202	< 0.01	3	1850	50	< 2	< 1	129	< 0.01	< 10	< 10	35	< 10	30
BB19843	201	202	< 0.01	7	1360	38	2	1	85	< 0.01	< 10	< 10	40	< 10	48
BB19844	201	202	< 0.01	19	1990	28	6	1	166	< 0.01	< 10	< 10	69	< 10	110
BB19845	201	202	< 0.01	9	2460	50	12	1	266	< 0.01	< 10	< 10	122	< 10	72
BB19846	201	202	< 0.01	< 1	3330	54	20	3	331	< 0.01	< 10	< 10	129	< 10	10

CERTIFICATION:

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EXPATRIATE RESOURCES LTD.
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 WHITEHORSE, YT
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 Invoice No. : I9728898
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 Account : MPO

Project: FP ARM
 Comments:

CERTIFICATE OF ANALYSIS A9728898

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
BB19847	201 202	7.0	0.82	66	2020	< 0.5	< 2	0.04	< 0.5	1	45	31	2.37	< 10	< 1	0.15	20	0.06	125	50
BB19848	201 202	4.0	0.51	40	1150	< 0.5	< 2	0.04	< 0.5	1	24	18	1.96	< 10	< 1	0.14	10	0.05	40	42
BB19849	201 202	4.0	0.89	44	770	< 0.5	< 2	0.07	< 0.5	3	31	23	2.73	< 10	< 1	0.16	10	0.19	100	21
BB19850	201 202	2.0	0.82	42	430	< 0.5	< 2	0.09	< 0.5	4	27	28	2.84	< 10	< 1	0.11	< 10	0.18	175	11
BB19851	201 202	1.8	0.45	8	340	< 0.5	< 2	0.01	< 0.5	< 1	10	9	0.77	< 10	< 1	0.08	< 10	0.02	15	6
BB19852	201 202	2.8	0.80	44	540	< 0.5	< 2	0.04	< 0.5	2	23	24	2.04	< 10	< 1	0.13	10	0.07	35	13
BB19853	201 202	1.8	0.38	30	420	< 0.5	< 2	0.03	< 0.5	< 1	17	18	1.35	< 10	< 1	0.11	< 10	0.05	25	13
BB19854	201 202	2.8	0.91	44	460	< 0.5	< 2	0.08	< 0.5	4	30	61	3.13	< 10	< 1	0.10	10	0.12	105	15
BB19855	201 202	4.8	1.13	46	520	< 0.5	< 2	0.06	0.5	4	31	48	2.93	< 10	< 1	0.12	10	0.13	105	15
BB19856	201 202	1.0	0.76	42	280	< 0.5	< 2	0.13	0.5	5	23	80	3.09	< 10	< 1	0.09	< 10	0.16	155	11
BB19857	201 202	1.2	0.54	38	290	< 0.5	< 2	0.12	1.0	3	18	57	2.13	< 10	< 1	0.06	< 10	0.11	75	12
BB19858	201 202	2.2	0.72	44	370	< 0.5	< 2	0.09	0.5	3	21	95	2.18	< 10	< 1	0.08	< 10	0.13	75	13
BB19859	201 202	2.2	0.56	20	320	< 0.5	< 2	0.09	< 0.5	1	15	46	1.28	< 10	< 1	0.07	10	0.10	40	9
BB19860	201 202	< 0.2	2.16	228	210	1.0	< 2	0.08	3.0	< 1	8	39	>15.00	< 10	1	0.01	100	< 0.01	30	43
BB19861	201 202	2.0	0.83	82	440	< 0.5	< 2	0.10	1.5	4	24	180	2.22	< 10	< 1	0.08	10	0.09	65	9
BB19862	201 202	0.6	1.08	42	500	0.5	< 2	0.18	2.0	5	30	90	3.14	< 10	< 1	0.10	10	0.22	150	12
BB19863	201 202	1.4	0.67	24	380	< 0.5	< 2	0.09	2.0	3	18	46	1.74	< 10	< 1	0.09	10	0.10	75	7
BB19864	201 202	1.4	0.37	10	320	< 0.5	< 2	0.03	< 0.5	< 1	10	15	0.89	< 10	< 1	0.08	10	0.04	15	5
BB19865	201 202	1.6	0.86	16	420	< 0.5	< 2	0.06	< 0.5	3	20	36	1.88	< 10	< 1	0.08	< 10	0.09	50	10
BB19866	201 202	1.4	0.91	54	280	< 0.5	< 2	0.14	< 0.5	5	30	62	3.88	< 10	< 1	0.10	< 10	0.15	180	12
BB19867	201 202	2.6	1.07	48	500	0.5	< 2	0.05	< 0.5	5	37	64	3.06	< 10	< 1	0.12	10	0.14	135	17
BB19868	201 202	3.0	0.81	4	690	< 0.5	< 2	0.02	< 0.5	< 1	13	20	0.70	< 10	< 1	0.07	10	0.04	15	6
BB19869	201 202	2.4	0.20	34	500	< 0.5	< 2	< 0.01	< 0.5	< 1	15	10	1.33	< 10	< 1	0.11	< 10	0.01	10	14

CERTIFICATION:

Hart B. Bichler



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To: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project: FP ARM
Comments:

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Certificate Date: 01-JUL-97
Invoice No.: 19728898
P.O. Number:
Account: MPO

CERTIFICATE OF ANALYSIS A9728898

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
BB19847	201 202	< 0.01	7	6220	58	32	7	662	0.01	< 10	10	183	< 10	58
BB19848	201 202	< 0.01	7	2230	38	12	< 1	298	< 0.01	< 10	< 10	134	< 10	62
BB19849	201 202	< 0.01	18	1800	28	10	1	194	0.01	< 10	< 10	88	< 10	102
BB19850	201 202	< 0.01	20	1950	30	4	1	132	0.01	< 10	< 10	77	< 10	162
BB19851	201 202	< 0.01	3	1050	24	2	< 1	144	< 0.01	< 10	< 10	22	< 10	20
BB19852	201 202	< 0.01	13	1920	24	4	2	188	< 0.01	< 10	< 10	67	< 10	88
BB19853	201 202	< 0.01	6	1560	32	2	< 1	110	< 0.01	< 10	< 10	37	< 10	44
BB19854	201 202	< 0.01	26	2110	26	4	2	139	0.01	< 10	< 10	79	< 10	134
BB19855	201 202	< 0.01	26	2160	24	4	2	162	< 0.01	< 10	< 10	86	< 10	168
BB19856	201 202	< 0.01	31	2090	22	6	1	112	< 0.01	< 10	< 10	64	< 10	214
BB19857	201 202	< 0.01	22	1900	18	6	1	119	< 0.01	< 10	< 10	54	< 10	186
BB19858	201 202	< 0.01	22	1970	24	6	< 1	130	< 0.01	< 10	< 10	63	< 10	144
BB19859	201 202	< 0.01	13	1440	20	4	< 1	119	< 0.01	< 10	< 10	40	< 10	84
BB19860	201 202	< 0.01	11	>10000	< 2	16	< 1	819	< 0.01	< 10	< 10	382	< 10	206
BB19861	201 202	< 0.01	28	3070	26	8	1	271	< 0.01	< 10	< 10	58	< 10	164
BB19862	201 202	< 0.01	34	2220	24	8	2	161	0.01	< 10	< 10	80	< 10	232
BB19863	201 202	0.01	16	1580	24	6	1	91	< 0.01	< 10	< 10	50	< 10	116
BB19864	201 202	0.01	4	1090	20	2	1	98	< 0.01	< 10	< 10	23	< 10	34
BB19865	201 202	< 0.01	14	1430	20	6	1	119	< 0.01	< 10	< 10	56	< 10	92
BB19866	201 202	< 0.01	29	3420	22	6	1	99	< 0.01	< 10	< 10	82	< 10	208
BB19867	201 202	< 0.01	30	1780	24	14	2	151	< 0.01	< 10	< 10	91	< 10	172
BB19868	201 202	< 0.01	3	830	32	6	< 1	143	< 0.01	< 10	< 10	46	< 10	26
BB19869	201 202	< 0.01	1	2730	26	6	3	115	< 0.01	< 10	< 10	45	< 10	12

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CERTIFICATE OF ANALYSIS A9728899

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
BB17501	201	202	3.6	0.27	78	220	< 0.5	< 2	0.01	< 0.5	< 1	19	8	3.10	< 10	< 1	0.43	< 10	< 0.01	5	13
BB17502	201	202	6.0	0.64	104	330	< 0.5	< 2	0.03	< 0.5	< 1	28	79	2.94	< 10	1	0.36	< 10	0.09	35	66
BB17503	201	202	5.6	0.52	68	740	< 0.5	< 2	0.01	< 0.5	< 1	21	18	2.06	< 10	1	0.17	20	0.01	15	40
BB17504	201	202	3.8	0.10	40	350	< 0.5	< 2	< 0.01	< 0.5	< 1	4	13	1.74	< 10	< 1	0.26	10	< 0.01	< 5	23
BB17505	201	202	0.8	0.49	14	260	< 0.5	< 2	0.06	< 0.5	1	9	23	0.77	< 10	< 1	0.05	20	0.02	35	4
BB17506	201	202	3.6	0.29	6	240	< 0.5	< 2	0.02	< 0.5	< 1	4	23	0.89	< 10	< 1	0.08	10	0.01	15	5
BB17507	201	202	1.2	1.51	22	190	0.5	< 2	0.18	0.5	10	37	241	3.43	< 10	< 1	0.11	10	0.38	225	10
BB17508	201	202	1.4	0.99	26	170	< 0.5	< 2	0.12	1.5	13	16	58	3.96	< 10	< 1	0.04	10	0.31	765	4
BB17509	201	202	0.6	0.89	44	180	< 0.5	< 2	0.34	0.5	19	26	113	4.74	< 10	< 1	0.05	10	0.38	680	13
BB17510	201	202	1.6	0.35	8	90	< 0.5	< 2	0.05	0.5	3	5	31	1.31	< 10	< 1	0.04	10	0.02	150	3
BB17511	201	202	0.6	0.38	14	160	< 0.5	< 2	0.07	10.0	13	5	103	3.27	< 10	< 1	0.04	10	0.03	685	1
BB17512	201	202	7.4	0.37	72	950	< 0.5	< 2	< 0.01	< 0.5	< 1	25	36	1.67	< 10	1	0.15	30	0.01	20	58
BB17513	201	202	15.0	0.52	116	540	< 0.5	< 2	< 0.01	< 0.5	< 1	25	18	2.62	< 10	4	0.24	30	0.01	5	73
BB17514	201	202	15.2	0.70	68	1880	< 0.5	< 2	0.01	< 0.5	< 1	29	21	1.28	< 10	5	0.07	40	0.03	30	95
BB17515	201	202	5.4	1.10	54	520	< 0.5	< 2	0.01	< 0.5	3	22	16	3.51	< 10	1	0.20	20	0.12	85	12
BB17516	201	202	10.4	0.66	86	410	< 0.5	< 2	0.01	0.5	< 1	23	20	1.76	< 10	3	0.11	20	0.04	15	51
BB17517	201	202	1.4	0.88	18	140	0.5	< 2	0.01	1.0	8	12	169	3.55	< 10	< 1	0.04	20	0.03	110	10
BB17518	201	202	1.2	0.22	24	290	< 0.5	< 2	< 0.01	< 0.5	< 1	7	16	1.23	< 10	< 1	0.18	20	0.01	< 5	10
BB17519	201	202	2.4	1.42	34	600	< 0.5	< 2	0.11	< 0.5	7	42	19	2.61	< 10	< 1	0.07	20	0.41	260	7
BB17520	201	202	1.6	0.86	20	350	< 0.5	< 2	0.09	< 0.5	3	28	8	1.67	< 10	< 1	0.07	30	0.24	160	7
BB17521	201	202	2.0	1.39	34	730	< 0.5	< 2	0.07	< 0.5	9	43	22	2.12	< 10	< 1	0.08	20	0.39	315	8
BB17522	201	202	2.6	1.54	30	1530	0.5	< 2	0.14	0.5	8	38	65	2.45	< 10	< 1	0.10	30	0.36	180	20
BB17523	201	202	3.4	1.22	24	800	< 0.5	< 2	0.06	< 0.5	7	30	26	1.90	< 10	1	0.08	20	0.28	175	12
BB17524	201	202	1.6	0.78	18	500	< 0.5	< 2	0.04	< 0.5	3	21	14	1.50	< 10	< 1	0.07	10	0.15	75	11
BB17525	201	202	1.2	0.71	14	660	< 0.5	< 2	0.07	< 0.5	3	19	16	1.39	< 10	1	0.06	10	0.17	95	9
BB17526	201	202	1.2	0.83	22	780	< 0.5	< 2	0.08	< 0.5	3	23	18	1.53	< 10	< 1	0.07	10	0.20	75	10
BB17527	201	202	1.4	0.90	22	1290	< 0.5	< 2	0.11	< 0.5	4	26	21	1.77	< 10	< 1	0.09	10	0.27	135	13
BB17528	201	202	1.6	1.01	16	1110	< 0.5	< 2	0.08	< 0.5	3	26	22	1.70	< 10	< 1	0.08	20	0.22	65	12
BB17529	201	202	1.4	0.75	18	1470	< 0.5	< 2	0.10	< 0.5	3	20	20	1.45	< 10	< 1	0.08	20	0.21	105	11
BB17530	201	202	2.2	0.83	26	2220	< 0.5	< 2	0.11	< 0.5	4	23	29	1.58	< 10	< 1	0.12	20	0.21	140	17
BB17531	201	202	1.8	0.57	16	1530	< 0.5	< 2	0.06	< 0.5	1	14	11	1.30	< 10	< 1	0.08	10	0.11	35	9
BB17532	201	202	1.6	0.55	8	1670	< 0.5	< 2	0.06	< 0.5	1	15	11	1.17	< 10	< 1	0.07	10	0.13	40	8
BB17533	201	202	1.4	0.84	18	680	< 0.5	< 2	0.10	< 0.5	3	23	18	1.53	< 10	< 1	0.09	30	0.19	70	11
BB17534	201	202	2.8	1.00	24	3160	< 0.5	< 2	0.08	< 0.5	3	26	26	1.49	< 10	< 1	0.09	20	0.17	70	20
BB17535	201	202	2.0	1.00	26	930	< 0.5	< 2	0.08	0.5	5	27	28	1.72	< 10	< 1	0.08	10	0.22	105	13
BB17536	201	202	3.0	1.23	32	770	< 0.5	< 2	0.04	< 0.5	5	28	22	2.38	< 10	< 1	0.09	10	0.20	120	12
BB17537	201	202	3.2	0.67	16	1770	< 0.5	< 2	0.08	< 0.5	3	20	29	1.48	< 10	< 1	0.09	10	0.17	100	39
BB17538	201	202	1.8	0.95	12	2120	< 0.5	< 2	0.14	0.5	9	25	50	1.70	< 10	< 1	0.08	20	0.25	185	16
BB17539	201	202	2.6	0.76	12	780	< 0.5	< 2	0.06	< 0.5	1	19	10	1.37	< 10	< 1	0.07	10	0.14	70	9
BB17540	201	202	2.0	0.82	26	4070	0.5	< 2	0.05	< 0.5	1	29	33	1.31	< 10	< 1	0.06	20	0.07	30	19

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SAMPLE	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB17501	201 202	< 0.01	< 1	2120	50	8	2	138	< 0.01	< 10	< 10	36	< 10	4
BB17502	201 202	< 0.01	10	1720	58	10	3	81	0.01	< 10	30	98	< 10	40
BB17503	201 202	< 0.01	2	4140	66	22	11	226	< 0.01	< 10	< 10	73	< 10	18
BB17504	201 202	< 0.01	< 1	810	52	10	< 1	35	< 0.01	< 10	< 10	19	< 10	2
BB17505	201 202	< 0.01	8	1410	14	2	< 1	308	< 0.01	< 10	< 10	26	< 10	72
BB17506	201 202	< 0.01	4	510	26	< 2	< 1	98	< 0.01	< 10	< 10	19	< 10	30
BB17507	201 202	< 0.01	49	1850	14	6	3	54	0.01	< 10	10	49	< 10	152
BB17508	201 202	< 0.01	44	650	10	2	3	59	< 0.01	< 10	< 10	18	< 10	194
BB17509	201 202	< 0.01	63	1160	12	4	3	83	< 0.01	< 10	< 10	37	< 10	194
BB17510	201 202	< 0.01	9	430	18	< 2	< 1	72	< 0.01	< 10	< 10	13	< 10	74
BB17511	201 202	< 0.01	59	500	18	6	3	95	< 0.01	< 10	< 10	17	< 10	302
BB17512	201 202	< 0.01	3	3960	56	28	7	208	< 0.01	< 10	10	82	< 10	20
BB17513	201 202	< 0.01	2	6970	90	66	12	365	< 0.01	< 10	10	80	< 10	14
BB17514	201 202	< 0.01	5	2460	56	34	8	245	< 0.01	< 10	10	169	< 10	24
BB17515	201 202	< 0.01	14	1720	26	10	1	72	< 0.01	< 10	< 10	59	< 10	82
BB17516	201 202	< 0.01	5	5260	44	18	3	153	< 0.01	< 10	20	133	< 10	40
BB17517	201 202	< 0.01	54	780	12	10	2	179	< 0.01	< 10	< 10	89	< 10	230
BB17518	201 202	< 0.01	< 1	1790	16	2	1	180	< 0.01	< 10	< 10	15	< 10	6
BB17519	201 202	< 0.01	28	1410	16	< 2	2	61	0.02	< 10	< 10	53	< 10	58
BB17520	201 202	< 0.01	14	940	16	< 2	1	57	0.03	< 10	< 10	41	< 10	44
BB17521	201 202	< 0.01	35	630	16	6	3	81	0.03	< 10	< 10	52	< 10	58
BB17522	201 202	< 0.01	59	3700	24	8	6	137	0.02	< 10	10	107	< 10	206
BB17523	201 202	< 0.01	34	1120	18	6	3	106	0.01	< 10	< 10	50	< 10	106
BB17524	201 202	< 0.01	13	840	22	6	1	86	0.01	< 10	< 10	44	< 10	34
BB17525	201 202	< 0.01	12	890	18	4	2	87	0.01	< 10	< 10	41	< 10	34
BB17526	201 202	< 0.01	14	980	16	2	2	92	0.01	< 10	< 10	46	< 10	36
BB17527	201 202	< 0.01	21	1320	18	6	3	110	0.03	< 10	< 10	57	< 10	46
BB17528	201 202	< 0.01	15	1290	22	6	3	124	0.02	< 10	< 10	60	< 10	44
BB17529	201 202	< 0.01	15	1000	16	4	3	114	0.02	< 10	< 10	43	< 10	42
BB17530	201 202	< 0.01	17	2210	26	10	5	178	0.02	< 10	< 10	78	< 10	50
BB17531	201 202	< 0.01	6	1030	22	2	2	108	0.01	< 10	< 10	30	< 10	20
BB17532	201 202	< 0.01	7	1270	20	4	3	109	0.01	< 10	< 10	32	< 10	22
BB17533	201 202	< 0.01	12	1410	20	4	1	140	0.01	< 10	< 10	57	< 10	40
BB17534	201 202	< 0.01	14	3670	28	14	4	216	0.01	< 10	< 10	108	< 10	52
BB17535	201 202	< 0.01	20	1440	20	2	4	112	0.02	< 10	< 10	66	< 10	50
BB17536	201 202	< 0.01	19	960	20	6	3	109	0.02	< 10	< 10	77	< 10	46
BB17537	201 202	< 0.01	16	2310	26	10	5	147	0.01	< 10	< 10	64	< 10	46
BB17538	201 202	< 0.01	75	3540	18	8	5	126	0.02	< 10	10	92	< 10	232
BB17539	201 202	< 0.01	11	1040	16	4	1	86	0.02	< 10	< 10	49	< 10	40
BB17540	201 202	< 0.01	8	6690	26	14	6	328	0.01	< 10	< 10	130	< 10	24

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CERTIFICATE OF ANALYSIS A9728899

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
BB17541	201	202	3.0	0.73	20	1850	< 0.5	< 2	0.05	< 0.5	< 1	17	33	1.49	< 10	< 1	0.08	20	0.07	40	16
BB17542	201	202	2.2	0.98	48	1010	< 0.5	< 2	0.08	< 0.5	5	27	27	2.06	< 10	1	0.10	30	0.28	155	18
BB17543	201	202	1.6	1.14	34	750	< 0.5	< 2	0.06	0.5	4	33	16	2.47	< 10	< 1	0.07	10	0.23	95	10
BB17544	201	202	2.2	0.66	18	970	< 0.5	< 2	0.08	< 0.5	3	22	17	1.41	< 10	< 1	0.08	20	0.15	115	13
BB17545	201	202	5.6	1.04	28	1140	< 0.5	< 2	0.04	< 0.5	2	27	33	2.27	< 10	1	0.09	20	0.15	70	22
BB17546	201	202	2.2	1.01	28	2030	< 0.5	< 2	0.12	0.5	6	24	28	1.63	< 10	< 1	0.11	20	0.23	175	14
BB17547	201	202	3.6	1.05	16	1190	< 0.5	< 2	0.06	< 0.5	3	25	14	1.77	< 10	< 1	0.08	20	0.16	65	12
BB17548	201	202	2.4	0.89	20	980	< 0.5	< 2	0.08	< 0.5	3	23	19	1.71	< 10	< 1	0.07	10	0.20	100	15
BB17549	201	202	2.2	0.81	24	1370	< 0.5	< 2	0.06	< 0.5	3	21	18	1.62	< 10	< 1	0.06	10	0.14	50	13
BB17550	201	202	1.8	0.75	18	1170	< 0.5	< 2	0.08	< 0.5	3	18	15	1.67	< 10	< 1	0.08	10	0.17	65	14
BB17551	201	202	3.4	0.81	24	1400	< 0.5	< 2	0.05	< 0.5	2	24	17	1.62	< 10	1	0.07	10	0.14	60	22
BB17552	201	202	1.4	0.74	16	630	< 0.5	< 2	0.08	< 0.5	2	21	18	1.56	< 10	< 1	0.07	10	0.18	70	13
BB17553	201	202	1.2	0.65	20	750	< 0.5	< 2	0.07	< 0.5	2	18	17	1.44	< 10	< 1	0.09	10	0.15	65	7
BB17554	201	202	1.2	0.60	12	1240	< 0.5	< 2	0.06	< 0.5	1	15	9	1.17	< 10	1	0.06	10	0.12	35	6
BB17555	201	202	2.0	0.91	22	670	< 0.5	< 2	0.06	< 0.5	3	24	19	1.75	< 10	< 1	0.09	20	0.17	70	10
BB18090	201	202	3.0	0.36	16	560	< 0.5	< 2	0.04	< 0.5	< 1	11	18	1.70	< 10	< 1	0.20	10	0.03	20	13
BB18091	201	202	3.2	0.44	24	450	< 0.5	< 2	0.01	< 0.5	1	12	21	1.36	< 10	1	0.08	30	0.04	25	16
BB18092	201	202	14.6	0.73	112	800	< 0.5	< 2	< 0.01	0.5	< 1	47	34	2.50	< 10	1	0.11	10	0.01	5	38
BB18093	201	202	4.0	0.42	42	900	< 0.5	< 2	< 0.01	< 0.5	< 1	25	13	1.96	< 10	1	0.13	10	0.02	25	15
BB18094	201	202	10.6	0.60	120	1170	< 0.5	< 2	0.01	< 0.5	< 1	56	27	2.78	< 10	< 1	0.24	40	0.01	15	110
BB18095	201	202	2.4	0.62	40	430	< 0.5	< 2	0.03	< 0.5	1	18	45	2.34	< 10	< 1	0.14	10	0.05	70	14
BB18096	201	202	1.6	0.22	< 2	200	< 0.5	< 2	0.04	0.5	< 1	4	9	0.33	< 10	< 1	0.03	< 10	0.01	15	1
BB18097	201	202	1.2	0.68	24	440	< 0.5	< 2	0.03	0.5	1	24	103	3.80	< 10	< 1	0.20	10	0.03	35	7
BB18098	201	202	0.2	0.42	12	110	< 0.5	< 2	0.03	1.0	3	8	26	1.28	< 10	< 1	0.05	10	0.04	60	4
BB18099	201	202	0.8	0.57	14	110	< 0.5	< 2	0.03	0.5	4	10	38	2.01	< 10	< 1	0.06	10	0.05	295	4
BB18100	201	202	1.2	0.90	70	260	< 0.5	2	0.13	3.5	7	11	53	4.94	< 10	< 1	0.08	10	0.07	225	12
BB18101	201	202	5.0	1.29	46	1380	0.5	< 2	0.08	0.5	2	36	92	3.04	< 10	< 1	0.18	10	0.05	60	12
BB18102	201	202	1.8	0.25	10	170	< 0.5	< 2	0.01	< 0.5	1	6	9	0.86	< 10	< 1	0.06	< 10	0.01	20	5
BB18103	201	202	3.4	0.31	70	840	< 0.5	< 2	< 0.01	< 0.5	< 1	32	29	1.73	< 10	< 1	0.20	40	< 0.01	< 5	33
BB18104	201	202	2.2	0.24	8	310	< 0.5	< 2	0.03	< 0.5	< 1	8	6	0.70	< 10	< 1	0.09	20	0.01	25	9
BB18105	201	202	6.8	0.33	58	720	< 0.5	< 2	< 0.01	< 0.5	< 1	21	10	1.79	< 10	1	0.17	10	0.01	15	44
BB18106	201	202	2.2	0.35	78	710	< 0.5	< 2	< 0.01	< 0.5	< 1	12	8	2.06	< 10	< 1	0.23	10	0.02	20	13
BB18107	201	202	1.4	0.47	28	370	< 0.5	< 2	0.01	< 0.5	1	11	9	2.03	< 10	< 1	0.15	10	0.03	40	7
BB18108	201	202	2.8	0.79	20	380	< 0.5	< 2	0.04	< 0.5	2	15	12	1.97	< 10	< 1	0.06	10	0.09	80	9
BB18109	201	202	1.6	0.81	16	510	< 0.5	< 2	0.04	< 0.5	2	17	35	1.39	< 10	< 1	0.08	20	0.08	45	11
BB18110	201	202	1.0	0.32	12	240	< 0.5	< 2	0.01	< 0.5	< 1	5	16	1.19	< 10	< 1	0.08	10	0.01	20	6
BB18111	201	202	2.4	0.26	12	280	< 0.5	< 2	0.01	< 0.5	< 1	7	18	1.42	< 10	< 1	0.17	10	0.01	20	5
BB18112	201	202	1.2	0.84	22	320	< 0.5	< 2	0.07	1.5	5	14	29	2.23	< 10	< 1	0.09	10	0.08	70	5
BB18113	201	202	0.6	0.32	10	120	< 0.5	< 2	1.45	6.5	14	6	147	2.60	< 10	< 1	0.07	10	0.44	340	2
BB18114	201	202	2.4	0.86	52	1170	< 0.5	< 2	0.09	< 0.5	4	30	16	2.41	< 10	< 1	0.08	20	0.17	220	13

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SAMPLE	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB18115	201 202	< 0.01	31	650	22	2	4	67	0.02	< 10	< 10	43	< 10	70
BB18116	201 202	< 0.01	19	3340	36	10	3	154	< 0.01	< 10	< 10	118	< 10	50
BB18117	201 202	< 0.01	17	1040	30	2	1	57	0.01	< 10	< 10	56	< 10	48
BB18118	201 202	< 0.01	21	980	20	4	2	57	0.01	< 10	< 10	42	< 10	46
BB18119	201 202	< 0.01	27	840	16	2	3	59	0.02	< 10	< 10	36	< 10	48
BB18120	201 202	< 0.01	18	930	16	2	1	52	0.02	< 10	< 10	43	< 10	40
BB18121	201 202	< 0.01	65	890	20	2	3	53	0.01	< 10	< 10	45	< 10	82
BB18122	201 202	< 0.01	9	540	12	< 2	< 1	46	< 0.01	< 10	< 10	38	< 10	20
BB18123	201 202	< 0.01	26	540	18	< 2	2	33	0.01	< 10	< 10	38	< 10	44
BB18124	201 202	< 0.01	23	870	18	< 2	1	38	0.01	< 10	< 10	39	< 10	48
BB18125	201 202	< 0.01	25	1710	22	6	3	50	0.02	< 10	< 10	51	< 10	48
BB18126	201 202	< 0.01	34	620	14	2	2	38	0.02	< 10	< 10	39	< 10	52
BB18127	201 202	< 0.01	9	5660	26	8	3	169	0.01	< 10	10	112	< 10	22
BB18128	201 202	< 0.01	26	960	20	< 2	2	68	0.02	< 10	< 10	49	< 10	56
BB18129	201 202	< 0.01	41	670	18	2	4	56	0.03	< 10	< 10	42	< 10	70
BB18130	201 202	< 0.01	20	590	20	< 2	2	49	0.01	< 10	< 10	51	< 10	42
BB18131	201 202	< 0.01	30	1300	22	< 2	3	106	0.02	< 10	< 10	67	< 10	52
BB18132	201 202	< 0.01	48	750	16	4	3	54	0.03	< 10	< 10	35	< 10	164
BB18133	201 202	< 0.01	31	670	22	2	1	47	0.01	< 10	< 10	56	< 10	92
BB18134	201 202	< 0.01	19	480	24	< 2	1	21	0.01	< 10	< 10	47	< 10	68
BB18135	201 202	< 0.01	23	1160	18	2	2	80	0.03	< 10	< 10	59	< 10	62
BB18136	201 202	< 0.01	24	990	16	2	3	63	0.01	< 10	< 10	50	< 10	60
BB18137	201 202	< 0.01	44	490	16	< 2	2	41	0.02	< 10	< 10	43	< 10	88
BB18138	201 202	< 0.01	75	4250	32	6	6	217	0.01	< 10	10	110	< 10	198
BB18139	201 202	< 0.01	11	470	16	< 2	1	51	0.03	< 10	< 10	50	< 10	34
BB18140	201 202	< 0.01	41	570	16	2	3	49	0.03	< 10	< 10	68	< 10	60
BB18141	201 202	< 0.01	29	860	22	4	3	85	0.03	< 10	< 10	67	< 10	46
BB18142	201 202	< 0.01	13	1410	24	2	3	86	0.01	< 10	< 10	61	< 10	30
BB18143	201 202	< 0.01	35	1190	26	4	3	86	0.03	< 10	< 10	63	< 10	64
BB18144	201 202	< 0.01	36	1410	14	< 2	4	47	0.04	< 10	< 10	70	< 10	82
BB18145	201 202	< 0.01	18	1000	18	4	3	77	0.01	< 10	< 10	52	< 10	40
BB18146	201 202	< 0.01	35	1300	12	4	4	68	0.03	< 10	< 10	64	< 10	76
BB18147	201 202	< 0.01	16	1030	16	4	3	105	0.02	< 10	< 10	56	< 10	34
BB18148	201 202	< 0.01	34	540	20	2	3	84	0.02	< 10	< 10	46	< 10	62
BB19051	201 202	< 0.01	17	6490	20	4	4	268	0.01	< 10	< 10	106	< 10	128
BB19052	201 202	< 0.01	10	870	14	< 2	< 1	86	0.01	< 10	< 10	54	< 10	82
BB19053	201 202	< 0.01	15	2410	10	< 2	1	56	0.01	< 10	< 10	59	< 10	78
BB19054	201 202	< 0.01	25	1670	18	2	1	96	< 0.01	< 10	< 10	65	< 10	120
BB19055	201 202	< 0.01	15	1280	16	< 2	1	86	0.01	< 10	< 10	61	< 10	122
BB19056	201 202	< 0.01	4	640	42	6	< 1	76	< 0.01	< 10	< 10	26	< 10	30

CERTIFICATION: _____

Handwritten signature



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Project : FP ARM
 Comments:

CERTIFICATE OF ANALYSIS A9728899

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
BB19057	201	202	2.0	0.88	26	290	< 0.5	< 2	0.03	0.5	3	24	21	2.62	< 10	< 1	0.06	10	0.11	95	11
BB19058	201	202	2.4	0.92	32	370	< 0.5	< 2	0.07	0.5	4	22	38	2.27	< 10	< 1	0.07	10	0.13	110	12
BB19059	201	202	7.2	0.33	112	750	< 0.5	< 2	0.01	< 0.5	< 1	21	12	2.37	< 10	< 1	0.14	10	0.01	20	61
BB19060	201	202	7.6	0.37	38	1500	< 0.5	< 2	< 0.01	< 0.5	< 1	27	20	1.97	< 10	1	0.10	20	0.01	35	50
BB19061	201	202	6.0	0.34	32	760	< 0.5	< 2	< 0.01	< 0.5	< 1	26	25	1.47	< 10	< 1	0.12	30	< 0.01	15	35
BB19062	201	202	6.8	0.60	56	800	< 0.5	< 2	0.01	< 0.5	< 1	25	14	2.19	< 10	< 1	0.16	10	0.04	25	55
BB19063	201	202	2.0	0.30	8	230	< 0.5	< 2	0.02	< 0.5	< 1	7	12	0.68	< 10	< 1	0.05	10	0.01	30	8
BB19064	201	202	1.0	0.38	14	280	< 0.5	< 2	0.01	1.0	6	6	84	1.94	< 10	< 1	0.05	20	0.01	65	7
BB19065	201	202	6.8	0.41	66	730	< 0.5	< 2	0.01	< 0.5	< 1	26	28	1.98	< 10	1	0.09	30	0.01	20	55
BB19066	201	202	3.4	0.94	44	850	< 0.5	< 2	0.10	< 0.5	4	28	30	2.22	< 10	< 1	0.13	30	0.18	130	24
BB19067	201	202	6.2	0.38	76	1120	< 0.5	< 2	0.01	< 0.5	< 1	34	35	1.84	< 10	1	0.14	40	0.01	20	124
BB19068	201	202	5.0	0.82	40	480	< 0.5	< 2	0.04	< 0.5	3	27	29	3.27	< 10	< 1	0.15	10	0.10	90	17
BB19069	201	202	2.6	1.30	44	460	< 0.5	< 2	0.07	< 0.5	5	30	36	2.66	< 10	< 1	0.13	20	0.20	125	12
BB19070	201	202	5.0	0.91	28	1130	< 0.5	< 2	0.05	< 0.5	1	27	37	1.97	< 10	< 1	0.17	30	0.10	40	25
BB19071	201	202	5.4	1.56	42	510	< 0.5	< 2	0.06	< 0.5	5	33	35	2.96	< 10	< 1	0.15	20	0.14	80	12
BB19072	201	202	1.6	0.98	38	400	< 0.5	< 2	0.07	< 0.5	2	26	17	3.19	< 10	< 1	0.13	10	0.15	120	12
BB19073	201	202	6.4	1.09	30	570	< 0.5	< 2	0.02	< 0.5	< 1	21	45	2.96	< 10	1	0.23	10	0.07	30	22
BB19074	201	202	2.2	0.49	24	370	< 0.5	< 2	0.01	< 0.5	1	11	22	1.25	< 10	< 1	0.14	10	0.04	35	11
BB19075	201	202	2.2	0.48	22	500	< 0.5	< 2	0.01	< 0.5	< 1	9	24	1.43	< 10	< 1	0.15	10	0.04	25	20
BB19076	201	202	6.8	0.31	12	700	< 0.5	< 2	0.04	< 0.5	< 1	17	12	0.84	< 10	< 1	0.06	10	< 0.01	15	7
BB19077	201	202	6.2	0.32	14	800	< 0.5	< 2	0.03	< 0.5	< 1	19	11	0.74	< 10	< 1	0.06	10	0.01	40	9
BB19078	201	202	2.0	1.27	154	1800	0.5	< 2	0.21	3.0	7	36	69	4.42	< 10	< 1	0.12	20	0.24	475	36
BB19079	201	202	2.6	0.45	16	1950	< 0.5	< 2	0.05	< 0.5	1	15	10	1.41	< 10	< 1	0.10	10	0.04	35	20
BB19080	201	202	3.8	0.64	30	2030	< 0.5	< 2	0.04	< 0.5	< 1	23	8	2.33	< 10	< 1	0.11	10	0.05	40	40
BB19081	201	202	2.6	1.29	34	540	< 0.5	< 2	0.06	< 0.5	5	33	15	2.68	< 10	< 1	0.12	10	0.32	110	17
BB19082	201	202	4.0	1.37	28	950	< 0.5	< 2	0.08	< 0.5	4	26	31	1.89	< 10	2	0.10	10	0.18	70	24
BB19083	201	202	2.2	0.94	22	1780	< 0.5	< 2	0.10	< 0.5	2	23	30	1.60	< 10	< 1	0.11	20	0.15	55	37
BB19084	201	202	2.6	0.99	32	1650	< 0.5	< 2	0.06	< 0.5	3	22	23	1.79	< 10	< 1	0.13	20	0.14	55	19
BB19085	201	202	4.2	1.76	44	690	0.5	< 2	0.06	0.5	7	39	48	2.52	< 10	< 1	0.18	20	0.21	85	15
BB19086	201	202	9.0	0.20	14	110	< 0.5	< 2	0.02	< 0.5	< 1	8	2	1.64	< 10	< 1	0.26	20	< 0.01	5	59
BB19087	201	202	2.6	0.64	42	640	< 0.5	< 2	0.05	< 0.5	< 1	60	30	1.98	< 10	2	0.17	30	0.03	< 5	13
BB19088	201	202	3.0	1.35	50	600	0.5	< 2	0.05	< 0.5	3	31	35	3.15	< 10	< 1	0.17	20	0.15	110	16
BB19610	201	202	1.6	0.80	60	360	0.5	< 2	0.19	2.5	5	17	243	4.19	< 10	< 1	0.14	10	0.02	40	1
BB19611	201	202	2.6	1.12	32	280	< 0.5	< 2	0.07	2.0	5	20	40	3.39	< 10	< 1	0.11	10	0.15	75	6
BB19612	201	202	9.6	2.03	34	290	0.5	< 2	0.15	11.0	17	26	98	6.33	< 10	< 1	0.06	10	0.18	1320	4
BB19613	201	202	2.4	0.91	38	300	< 0.5	< 2	0.05	< 0.5	1	19	15	2.52	< 10	< 1	0.08	10	0.05	50	4
BB19614	201	202	4.8	1.95	48	300	0.5	< 2	0.12	0.5	6	41	29	4.19	< 10	< 1	0.11	10	0.28	185	8
BB19615	201	202	0.6	0.43	10	90	< 0.5	< 2	0.05	0.5	3	9	12	1.42	< 10	< 1	0.05	30	0.03	50	2
BB19616	201	202	0.2	1.40	32	170	< 0.5	< 2	0.09	1.0	12	30	49	4.55	< 10	< 1	0.08	20	0.37	280	6
BB19617	201	202	1.0	0.87	28	210	< 0.5	< 2	0.31	0.5	8	20	39	3.17	< 10	< 1	0.09	20	0.23	245	6

CERTIFICATION:

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CERTIFICATE OF ANALYSIS A9728899

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
BB19057	201 202	< 0.01	18	1050	20	4	1	87	0.01	< 10	< 10	68	< 10	110
BB19058	201 202	< 0.01	20	1300	20	2	1	105	< 0.01	< 10	< 10	60	< 10	132
BB19059	201 202	< 0.01	3	5790	84	16	9	102	0.01	< 10	< 10	62	< 10	24
BB19060	201 202	< 0.01	3	2000	60	16	1	240	< 0.01	< 10	< 10	57	< 10	20
BB19061	201 202	< 0.01	4	2860	38	30	1	163	< 0.01	< 10	< 10	84	< 10	28
BB19062	201 202	< 0.01	5	3520	48	18	2	64	< 0.01	< 10	< 10	90	< 10	28
BB19063	201 202	< 0.01	3	960	18	2	< 1	90	< 0.01	< 10	< 10	26	< 10	30
BB19064	201 202	< 0.01	24	1040	22	2	< 1	124	< 0.01	< 10	< 10	27	< 10	86
BB19065	201 202	< 0.01	4	6350	34	22	3	197	< 0.01	< 10	10	88	< 10	34
BB19066	201 202	< 0.01	18	2440	30	8	3	182	0.01	< 10	< 10	80	< 10	90
BB19067	201 202	< 0.01	2	5050	66	32	12	219	< 0.01	< 10	10	108	< 10	14
BB19068	201 202	< 0.01	19	2890	30	10	1	158	< 0.01	< 10	< 10	95	< 10	144
BB19069	201 202	< 0.01	26	1180	24	4	2	130	< 0.01	< 10	< 10	84	< 10	156
BB19070	201 202	< 0.01	20	1940	44	12	3	142	< 0.01	< 10	< 10	80	< 10	84
BB19071	201 202	< 0.01	34	1680	18	2	3	144	< 0.01	< 10	< 10	89	< 10	152
BB19072	201 202	< 0.01	16	2860	20	6	1	133	0.01	< 10	< 10	100	< 10	84
BB19073	201 202	< 0.01	8	2860	48	6	3	57	< 0.01	< 10	< 10	48	< 10	32
BB19074	201 202	< 0.01	12	1520	48	4	1	71	< 0.01	< 10	< 10	34	< 10	56
BB19075	201 202	< 0.01	7	1420	52	6	1	72	< 0.01	< 10	< 10	31	< 10	34
BB19076	201 202	< 0.01	7	1860	26	2	< 1	162	< 0.01	< 10	< 10	39	< 10	38
BB19077	201 202	< 0.01	4	1610	40	2	< 1	233	< 0.01	< 10	< 10	40	< 10	24
BB19078	201 202	< 0.01	26	8540	18	12	3	249	< 0.01	< 10	< 10	190	< 10	124
BB19079	201 202	< 0.01	8	2760	28	6	2	224	< 0.01	< 10	< 10	56	< 10	42
BB19080	201 202	< 0.01	6	6810	36	10	6	299	0.01	< 10	< 10	97	< 10	34
BB19081	201 202	< 0.01	22	1090	18	4	3	101	0.02	< 10	< 10	68	< 10	80
BB19082	201 202	< 0.01	20	1510	22	8	4	303	0.01	< 10	< 10	91	< 10	72
BB19083	201 202	< 0.01	13	2710	32	10	5	818	0.01	< 10	< 10	157	< 10	50
BB19084	201 202	< 0.01	18	1770	32	10	4	203	0.01	< 10	< 10	76	< 10	62
BB19085	201 202	< 0.01	59	1140	26	6	3	183	0.01	< 10	< 10	104	< 10	198
BB19086	201 202	< 0.01	3	490	48	8	< 1	51	< 0.01	< 10	< 10	53	< 10	8
BB19087	201 202	< 0.01	3	>10000	52	12	3	112	< 0.01	< 10	30	286	< 10	44
BB19088	201 202	< 0.01	22	1490	24	6	2	178	< 0.01	< 10	< 10	122	< 10	150
BB19610	201 202	< 0.01	23	3690	10	2	3	283	< 0.01	< 10	< 10	87	< 10	202
BB19611	201 202	< 0.01	19	1160	14	4	1	136	< 0.01	< 10	< 10	83	< 10	220
BB19612	201 202	< 0.01	86	1220	22	2	7	118	< 0.01	< 10	< 10	68	< 10	326
BB19613	201 202	< 0.01	11	2160	20	2	1	196	< 0.01	< 10	< 10	78	< 10	60
BB19614	201 202	< 0.01	25	2740	20	4	3	78	0.02	< 10	< 10	119	< 10	102
BB19615	201 202	< 0.01	14	440	12	4	< 1	19	< 0.01	< 10	< 10	29	< 10	42
BB19616	201 202	< 0.01	40	1230	12	< 2	3	43	0.01	< 10	< 10	53	< 10	126
BB19617	201 202	< 0.01	32	1350	20	< 2	1	123	0.01	< 10	< 10	52	< 10	156

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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
BB19618	201	202	0.2	0.66	16	160	< 0.5	< 2	0.27	< 0.5	9	17	31	1.91	< 10	< 1	0.06	20	0.26	340	5
BB19619	201	202	1.6	0.59	34	290	< 0.5	< 2	0.45	3.0	13	10	88	2.53	< 10	< 1	0.05	< 10	0.10	1470	6
BB19620	201	202	10.8	0.59	118	300	< 0.5	< 2	0.10	1.0	6	16	64	4.04	< 10	< 1	0.09	10	0.04	115	27
BB19621	201	202	3.2	1.40	50	420	< 0.5	< 2	1.20	4.5	18	23	118	3.28	< 10	< 1	0.11	< 10	0.49	1515	7
BB19622	201	202	4.2	0.55	2	140	< 0.5	< 2	0.08	1.5	1	12	87	0.84	< 10	< 1	0.07	< 10	0.06	45	2
BB19623	201	202	1.2	0.50	44	160	< 0.5	< 2	0.14	1.0	5	15	95	2.38	< 10	< 1	0.08	20	0.13	95	10
BB19624	201	202	0.6	0.31	10	110	< 0.5	< 2	0.06	0.5	4	6	56	1.95	< 10	< 1	0.06	20	0.02	100	6
BB19625	201	202	0.2	0.48	6	130	< 0.5	< 2	0.04	0.5	3	11	23	1.37	< 10	< 1	0.06	10	0.08	130	5
BB19626	201	202	0.4	1.02	10	130	< 0.5	< 2	0.06	2.0	5	17	32	2.25	< 10	< 1	0.06	20	0.20	130	3
BB19627	201	202	1.8	0.19	10	110	< 0.5	< 2	0.01	< 0.5	< 1	3	9	0.84	< 10	< 1	0.09	20	0.01	5	9
BB19628	201	202	5.0	2.50	56	330	1.0	< 2	0.08	1.0	4	33	117	3.45	< 10	< 1	0.09	10	0.15	110	6
BB19629	201	202	1.4	0.40	20	420	< 0.5	< 2	0.02	< 0.5	1	10	22	1.34	< 10	< 1	0.18	20	0.02	25	5
BB19630	201	202	1.6	1.03	28	310	< 0.5	< 2	0.05	< 0.5	3	18	45	2.11	< 10	< 1	0.07	20	0.05	70	4
BB19631	201	202	3.2	0.24	34	540	< 0.5	< 2	< 0.01	< 0.5	< 1	9	15	1.59	< 10	< 1	0.21	10	< 0.01	5	16
BB19632	201	202	2.8	0.55	80	890	< 0.5	< 2	0.05	0.5	1	24	41	2.63	< 10	< 1	0.25	10	0.06	85	19
BB19633	201	202	6.2	0.99	50	930	< 0.5	< 2	0.07	< 0.5	3	28	31	2.53	< 10	< 1	0.12	10	0.14	70	18
BB19634	201	202	18.2	0.78	72	1720	< 0.5	< 2	0.04	< 0.5	< 1	42	17	2.16	< 10	< 1	0.12	20	0.04	30	29
BB19635	201	202	14.4	0.45	64	570	< 0.5	< 2	0.01	< 0.5	< 1	22	16	2.27	< 10	1	0.22	20	0.01	15	70
BB19636	201	202	6.8	0.72	68	1850	< 0.5	< 2	0.02	< 0.5	< 1	30	20	2.16	< 10	< 1	0.14	30	0.01	15	65
BB19637	201	202	5.2	0.81	42	710	< 0.5	< 2	0.06	< 0.5	2	32	20	2.80	< 10	< 1	0.13	10	0.12	65	23
BB19638	201	202	5.2	0.81	50	990	< 0.5	< 2	0.04	< 0.5	1	31	16	2.56	< 10	< 1	0.13	30	0.08	40	25
BB19639	201	202	1.6	0.74	18	380	< 0.5	< 2	0.05	< 0.5	1	19	14	1.38	< 10	< 1	0.09	10	0.07	50	7
BB19640	201	202	5.6	0.23	78	1880	< 0.5	< 2	< 0.01	< 0.5	< 1	11	20	1.25	< 10	< 1	0.08	< 10	0.01	5	8
BB19641	201	202	2.2	0.84	34	620	< 0.5	< 2	0.13	< 0.5	3	24	70	2.00	< 10	< 1	0.15	10	0.14	90	18
BB19642	201	202	3.6	1.03	38	600	< 0.5	< 2	0.08	< 0.5	4	30	56	2.08	< 10	< 1	0.15	10	0.16	95	16
BB19643	201	202	5.4	0.22	64	650	< 0.5	< 2	< 0.01	< 0.5	< 1	16	21	2.40	< 10	< 1	0.21	20	< 0.01	< 5	65
BB19644	201	202	4.4	0.18	54	750	< 0.5	< 2	< 0.01	< 0.5	< 1	11	19	1.29	< 10	< 1	0.14	10	< 0.01	5	69
BB19645	201	202	4.2	0.61	60	3700	< 0.5	< 2	0.02	< 0.5	< 1	50	24	1.32	< 10	2	0.07	30	0.03	20	53
BB19646	201	202	4.8	0.61	82	770	< 0.5	< 2	0.07	< 0.5	< 1	40	36	1.80	< 10	< 1	0.15	30	0.03	20	37
BB19647	201	202	9.8	0.92	78	660	< 0.5	< 2	0.05	< 0.5	1	50	45	2.26	< 10	< 1	0.16	20	0.07	45	58
BB19648	201	202	5.6	0.93	44	400	< 0.5	< 2	0.08	< 0.5	3	25	40	2.82	< 10	< 1	0.12	10	0.12	70	14
BB19649	201	202	2.8	0.51	12	310	< 0.5	< 2	0.01	< 0.5	1	12	30	0.89	< 10	< 1	0.07	10	0.01	20	7
BB19650	201	202	1.4	0.39	24	170	< 0.5	< 2	0.03	0.5	4	6	57	1.52	< 10	< 1	0.06	10	0.01	90	10
BB19651	201	202	2.8	0.95	44	530	< 0.5	< 2	0.09	0.5	4	26	44	2.21	< 10	< 1	0.14	10	0.12	85	23
BB19652	201	202	2.8	0.62	38	390	< 0.5	< 2	0.03	< 0.5	2	21	31	2.11	< 10	< 1	0.12	10	0.06	50	14
BB19653	201	202	2.6	0.18	18	600	< 0.5	< 2	< 0.01	< 0.5	< 1	10	6	1.41	< 10	< 1	0.23	10	0.01	5	21
BB19654	201	202	2.4	0.50	22	440	< 0.5	< 2	0.01	< 0.5	< 1	13	8	1.48	< 10	< 1	0.18	10	0.03	20	8
BB19655	201	202	5.0	0.19	32	380	< 0.5	< 2	< 0.01	< 0.5	< 1	12	3	1.90	< 10	< 1	0.31	10	0.01	5	16
BB19656	201	202	2.6	0.76	16	420	< 0.5	< 2	0.03	< 0.5	1	17	21	1.17	< 10	< 1	0.10	10	0.06	35	8
BB19657	201	202	2.0	0.95	26	580	0.5	< 2	0.04	< 0.5	1	25	26	1.38	< 10	< 1	0.17	30	0.09	45	11

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CERTIFICATE OF ANALYSIS

A9728899

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
BB19618	201 202	< 0.01	24	1010	10	< 2	1	48	0.01	< 10	< 10	24	< 10	136
BB19619	201 202	< 0.02	31	1460	26	2	1	64	0.01	< 10	< 10	27	< 10	98
BB19620	201 202	< 0.01	46	3650	54	42	1	135	0.01	< 10	< 10	74	< 10	264
BB19621	201 202	0.01	45	1420	24	4	5	184	0.01	< 10	< 10	80	< 10	190
BB19622	201 202	0.03	12	1110	10	< 2	1	56	0.01	< 10	< 10	19	< 10	60
BB19623	201 202	< 0.01	36	1200	24	6	1	115	< 0.01	< 10	< 10	44	< 10	180
BB19624	201 202	< 0.01	27	600	12	4	< 1	72	< 0.01	< 10	< 10	13	< 10	160
BB19625	201 202	0.01	14	720	14	< 2	< 1	53	< 0.01	< 10	< 10	24	< 10	100
BB19626	201 202	< 0.01	19	570	14	2	1	51	0.01	< 10	< 10	39	< 10	234
BB19627	201 202	< 0.01	2	340	18	4	< 1	32	< 0.01	< 10	< 10	16	< 10	18
BB19628	201 202	< 0.01	23	2450	14	8	3	310	0.01	< 10	< 10	75	< 10	194
BB19629	201 202	< 0.01	7	660	18	2	< 1	97	0.01	< 10	< 10	31	< 10	72
BB19630	201 202	< 0.01	17	2260	18	6	1	337	< 0.01	< 10	< 10	60	< 10	134
BB19631	201 202	< 0.01	3	1060	46	8	1	69	< 0.01	< 10	< 10	26	< 10	8
BB19632	201 202	0.01	8	2680	36	12	2	305	0.01	< 10	10	83	< 10	54
BB19633	201 202	< 0.01	18	3060	42	12	4	165	0.01	< 10	< 10	73	< 10	96
BB19634	201 202	< 0.01	5	5380	60	16	4	332	0.01	< 10	< 10	92	< 10	40
BB19635	201 202	< 0.01	2	4950	88	32	10	257	0.01	< 10	< 10	77	< 10	14
BB19636	201 202	< 0.01	1	>10000	56	18	13	875	< 0.01	< 10	< 10	118	< 10	12
BB19637	201 202	< 0.01	14	3630	38	8	3	175	0.01	< 10	< 10	93	< 10	86
BB19638	201 202	< 0.01	9	3560	36	10	2	341	0.01	< 10	< 10	114	< 10	60
BB19639	201 202	< 0.01	8	1330	20	6	< 1	93	0.01	< 10	< 10	66	< 10	60
BB19640	201 202	< 0.01	2	5090	46	10	8	84	< 0.01	< 10	< 10	35	< 10	8
BB19641	201 202	< 0.01	20	1980	26	10	3	146	0.01	< 10	< 10	75	< 10	106
BB19642	201 202	< 0.01	22	2000	26	8	3	155	0.01	< 10	< 10	86	< 10	102
BB19643	201 202	< 0.01	1	7630	54	42	8	121	< 0.01	< 10	< 10	91	< 10	10
BB19644	201 202	< 0.01	1	3000	38	16	4	135	< 0.01	< 10	< 10	59	< 10	10
BB19645	201 202	< 0.01	3	8400	52	34	6	259	< 0.01	< 10	10	476	< 10	36
BB19646	201 202	< 0.01	5	7860	36	38	5	188	< 0.01	< 10	10	136	< 10	36
BB19647	201 202	< 0.01	17	4290	38	26	3	182	< 0.01	< 10	10	163	< 10	112
BB19648	201 202	< 0.01	16	3200	24	6	1	155	0.01	< 10	< 10	79	< 10	118
BB19649	201 202	0.01	4	570	22	6	< 1	56	< 0.01	< 10	< 10	31	< 10	28
BB19650	201 202	0.01	20	920	18	2	< 1	93	< 0.01	< 10	< 10	37	< 10	118
BB19651	201 202	< 0.01	22	2160	26	16	3	113	0.01	< 10	< 10	83	< 10	142
BB19652	201 202	< 0.01	15	2100	24	6	1	109	0.01	< 10	< 10	77	< 10	112
BB19653	201 202	< 0.01	< 1	800	46	8	1	46	0.01	< 10	< 10	23	< 10	2
BB19654	201 202	< 0.01	3	1810	22	4	1	79	< 0.01	< 10	< 10	36	< 10	16
BB19655	201 202	< 0.01	1	520	68	6	< 1	14	0.02	< 10	< 10	21	< 10	2
BB19656	201 202	0.01	9	1180	22	2	< 1	94	< 0.01	< 10	< 10	62	< 10	60
BB19657	201 202	< 0.01	8	3070	32	6	4	192	0.01	< 10	< 10	62	< 10	40

CERTIFICATION:

David Buchler



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CERTIFICATE OF ANALYSIS A9728899

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
BB19658	201	202	1.8	0.29	42	420	< 0.5	< 2	< 0.01	< 0.5	< 1	7	5	1.32	< 10	< 1	0.17	10	0.01	5	3
BB19659	201	202	1.6	0.18	20	170	< 0.5	< 2	< 0.01	< 0.5	< 1	8	7	0.74	< 10	< 1	0.08	20	0.01	5	2
BB19660	201	202	2.6	0.51	28	370	< 0.5	< 2	0.02	< 0.5	1	13	13	1.67	< 10	< 1	0.10	10	0.04	40	7
BB19661	201	202	5.2	0.70	12	330	< 0.5	< 2	0.03	0.5	1	14	46	1.08	< 10	< 1	0.08	< 10	0.03	15	9
BB19662	201	202	2.2	0.61	28	750	< 0.5	< 2	0.04	< 0.5	1	12	47	2.58	< 10	< 1	0.17	10	0.03	35	13
BB19663	201	202	2.6	1.26	38	560	< 0.5	< 2	0.06	< 0.5	1	29	22	2.17	< 10	< 1	0.13	10	0.14	70	13
BB19664	201	202	5.0	0.78	28	950	< 0.5	< 2	0.04	< 0.5	1	23	34	1.62	< 10	< 1	0.19	10	0.10	40	24
BB19665	201	202	3.6	1.51	30	960	0.5	< 2	0.07	< 0.5	4	34	35	1.92	< 10	< 1	0.15	10	0.19	100	17
BB19666	201	202	2.0	1.37	36	640	0.5	< 2	0.17	0.5	7	35	53	2.26	< 10	< 1	0.19	20	0.34	245	10
BB19667	201	202	8.6	1.17	38	3490	< 0.5	< 2	0.04	< 0.5	< 1	46	32	1.98	< 10	< 1	0.16	30	0.06	45	52
BB19668	201	202	3.0	0.99	36	1080	< 0.5	< 2	0.04	< 0.5	1	26	18	2.14	< 10	< 1	0.13	10	0.10	50	24
BB19669	201	202	6.8	1.11	38	3880	0.5	< 2	0.05	< 0.5	< 1	50	30	2.03	< 10	1	0.15	40	0.01	15	95
BB19670	201	202	3.0	0.90	32	2260	< 0.5	< 2	0.04	< 0.5	1	24	21	1.68	< 10	< 1	0.15	20	0.06	25	29
BB19671	201	202	4.2	0.29	18	190	< 0.5	< 2	< 0.01	< 0.5	< 1	16	10	2.64	< 10	< 1	0.39	< 10	0.01	< 5	22
BB19672	201	202	3.4	1.00	40	910	< 0.5	< 2	0.05	0.5	1	28	31	2.65	< 10	< 1	0.12	10	0.06	45	15
BB19673	201	202	1.6	1.14	74	1870	0.5	< 2	0.27	5.5	16	34	68	2.68	< 10	< 1	0.10	10	0.25	3500	24
BB19674	201	202	3.2	1.11	32	5660	0.5	< 2	0.04	< 0.5	< 1	40	23	1.67	< 10	< 1	0.08	20	0.06	35	26
BB19675	201	202	3.8	1.38	40	690	0.5	< 2	0.08	< 0.5	3	32	19	2.55	< 10	< 1	0.14	10	0.18	95	14
BB19676	201	202	5.6	1.50	30	2080	< 0.5	< 2	0.05	< 0.5	1	34	23	2.09	< 10	< 1	0.11	20	0.12	50	21
BB19677	201	202	5.4	1.02	28	1000	< 0.5	< 2	0.04	< 0.5	1	24	15	1.96	< 10	< 1	0.08	10	0.08	55	17
BB19680	201	202	3.2	0.85	18	740	< 0.5	< 2	0.03	< 0.5	1	20	9	1.54	< 10	< 1	0.09	10	0.07	40	10
BB19681	201	202	2.2	1.30	36	700	< 0.5	< 2	0.07	< 0.5	6	33	43	2.12	< 10	< 1	0.17	10	0.28	140	12
BB19682	201	202	1.8	1.08	30	630	< 0.5	< 2	0.08	< 0.5	3	26	18	1.87	< 10	< 1	0.11	10	0.17	80	11
BB19683	201	202	1.6	0.82	26	650	< 0.5	< 2	0.08	< 0.5	2	21	23	1.63	< 10	< 1	0.13	20	0.12	50	13
BB19684	201	202	1.6	1.09	30	590	< 0.5	< 2	0.06	< 0.5	2	26	26	1.88	< 10	< 1	0.12	10	0.14	70	12
BB19685	201	202	3.4	1.45	40	730	0.5	< 2	0.09	< 0.5	5	36	46	2.22	< 10	< 1	0.18	10	0.21	105	15
BB19686	201	202	2.6	1.05	30	1010	< 0.5	< 2	0.07	< 0.5	2	31	21	1.90	< 10	< 1	0.10	10	0.13	60	11
BB19687	201	202	5.8	1.56	30	1110	0.5	< 2	0.06	0.5	3	35	17	2.23	< 10	< 1	0.11	10	0.18	75	12
BB19688	201	202	3.6	1.02	18	1460	< 0.5	< 2	0.10	< 0.5	4	26	26	1.62	< 10	< 1	0.10	10	0.24	110	12
BB19689	201	202	4.4	1.01	26	2050	< 0.5	< 2	0.07	< 0.5	2	31	16	1.88	< 10	< 1	0.11	10	0.15	50	24
BB19690	201	202	3.2	0.78	12	6390	0.5	< 2	0.10	< 0.5	< 1	34	37	1.12	< 10	< 1	0.10	10	0.02	15	20
BB19691	201	202	3.6	1.19	28	700	< 0.5	< 2	0.05	< 0.5	4	28	13	2.12	< 10	< 1	0.11	10	0.19	105	9
BB19692	201	202	3.8	1.46	28	800	< 0.5	< 2	0.07	< 0.5	5	37	31	2.29	< 10	< 1	0.10	10	0.34	155	11
BB19693	201	202	4.2	1.01	20	1320	< 0.5	< 2	0.07	< 0.5	3	28	19	1.69	< 10	< 1	0.08	10	0.13	65	19
BB19694	201	202	3.6	1.25	26	1390	< 0.5	< 2	0.08	< 0.5	4	32	28	1.78	< 10	< 1	0.09	10	0.19	75	19
BB19695	201	202	2.0	0.99	22	1830	< 0.5	< 2	0.09	< 0.5	4	28	26	1.65	< 10	< 1	0.09	10	0.19	105	17
BB19696	201	202	5.6	1.03	52	2510	< 0.5	< 2	0.06	< 0.5	1	34	38	1.71	< 10	< 1	0.13	10	0.11	50	41
BB19697	201	202	3.6	1.21	24	2530	0.5	< 2	0.10	< 0.5	3	38	34	1.61	< 10	< 1	0.11	10	0.15	70	27
BB19698	201	202	3.4	0.42	38	490	< 0.5	< 2	< 0.01	< 0.5	< 1	20	29	1.81	< 10	1	0.25	10	0.02	10	34
BB19699	201	202	5.6	0.31	14	910	< 0.5	< 2	0.03	< 0.5	< 1	13	18	0.82	< 10	1	0.12	10	0.04	20	39

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BB19658	201 202	< 0.01	1	2370	28	2	2	35	< 0.01	< 10	< 10	18	< 10	12
BB19659	201 202	< 0.01	< 1	2240	24	6	3	13	< 0.01	< 10	< 10	12	< 10	6
BB19660	201 202	< 0.01	6	970	30	6	< 1	67	0.01	< 10	< 10	49	< 10	42
BB19661	201 202	0.01	5	1900	26	6	< 1	60	< 0.01	< 10	10	42	< 10	24
BB19662	201 202	0.01	11	1930	24	4	< 1	353	< 0.01	< 10	< 10	56	< 10	96
BB19663	201 202	< 0.01	13	1570	26	6	2	133	0.01	< 10	< 10	108	< 10	82
BB19664	201 202	< 0.01	10	1860	44	10	3	212	0.01	< 10	< 10	80	< 10	44
BB19665	201 202	< 0.01	22	1530	30	10	3	192	0.02	< 10	< 10	78	< 10	86
BB19666	201 202	< 0.01	32	1510	28	6	4	144	0.04	< 10	< 10	82	< 10	116
BB19667	201 202	< 0.01	5	5210	42	20	6	758	0.01	< 10	10	218	< 10	30
BB19668	201 202	< 0.01	9	1540	30	8	3	173	0.03	< 10	< 10	121	< 10	56
BB19669	201 202	< 0.01	1	8630	40	22	14	1135	0.01	< 10	10	337	< 10	16
BB19670	201 202	< 0.01	6	2860	36	12	4	309	0.01	< 10	< 10	103	< 10	38
BB19671	201 202	< 0.01	1	1780	46	10	4	167	< 0.01	< 10	< 10	57	< 10	6
BB19672	201 202	< 0.01	9	5170	22	6	1	125	0.01	< 10	< 10	78	< 10	44
BB19673	201 202	< 0.01	50	3200	18	8	1	187	0.01	< 10	< 10	115	< 10	186
BB19674	201 202	< 0.01	7	8070	30	14	6	592	0.01	< 10	< 10	185	< 10	40
BB19675	201 202	< 0.01	19	2310	26	6	2	121	0.03	< 10	< 10	97	< 10	70
BB19676	201 202	< 0.01	9	2770	36	10	4	268	0.02	< 10	< 10	97	< 10	40
BB19677	201 202	< 0.01	9	1930	24	6	2	139	0.02	< 10	< 10	84	< 10	60
BB19680	201 202	< 0.01	6	1370	24	6	1	115	0.02	< 10	< 10	68	< 10	36
BB19681	201 202	< 0.01	29	1030	28	6	4	139	0.03	< 10	< 10	80	< 10	108
BB19682	201 202	< 0.01	14	910	22	4	1	117	0.03	< 10	< 10	68	< 10	54
BB19683	201 202	< 0.01	12	1320	24	6	1	140	0.01	< 10	< 10	69	< 10	74
BB19684	201 202	< 0.01	15	1110	24	8	1	135	0.01	< 10	< 10	82	< 10	92
BB19685	201 202	< 0.01	26	1560	28	6	3	168	0.02	< 10	< 10	91	< 10	104
BB19686	201 202	< 0.01	11	2370	22	4	< 1	146	0.01	< 10	< 10	74	< 10	38
BB19687	201 202	< 0.01	16	1490	22	8	3	119	0.03	< 10	< 10	84	< 10	60
BB19688	201 202	< 0.01	20	2310	20	8	4	119	0.03	< 10	< 10	83	< 10	72
BB19689	201 202	< 0.01	12	2760	30	12	3	199	0.01	< 10	< 10	98	< 10	40
BB19690	201 202	< 0.01	2	8190	24	16	5	365	0.01	< 10	< 10	140	< 10	22
BB19691	201 202	< 0.01	15	920	24	6	2	103	0.03	< 10	< 10	61	< 10	42
BB19692	201 202	< 0.01	25	1250	22	6	4	106	0.03	< 10	< 10	57	< 10	48
BB19693	201 202	< 0.01	13	1880	24	10	2	153	0.02	< 10	< 10	77	< 10	38
BB19694	201 202	< 0.01	19	1900	22	8	3	143	0.03	< 10	< 10	78	< 10	44
BB19695	201 202	< 0.01	16	1980	20	8	4	191	0.03	< 10	< 10	87	< 10	44
BB19696	201 202	< 0.01	11	3550	36	32	5	265	0.02	< 10	< 10	143	< 10	30
BB19697	201 202	< 0.01	16	3110	28	12	4	296	0.03	< 10	< 10	139	< 10	44
BB19698	201 202	< 0.01	2	1050	72	30	2	191	< 0.01	< 10	< 10	76	< 10	10
BB19699	201 202	< 0.01	4	1180	54	18	1	99	0.01	< 10	< 10	55	< 10	16

CERTIFICATION:

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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
BB19700	201	202	4.2	0.71	30	1530	< 0.5	< 2	0.03	< 0.5	1	25	9	1.97	< 10	< 1	0.09	10	0.05	40	26
BB19701	201	202	4.4	0.77	32	930	< 0.5	< 2	0.08	< 0.5	1	34	14	2.15	< 10	< 1	0.15	10	0.16	75	22
BB19702	201	202	1.4	0.76	24	650	< 0.5	< 2	0.08	< 0.5	3	24	28	1.69	< 10	< 1	0.10	10	0.19	95	11
BB19703	201	202	1.4	0.88	28	650	< 0.5	< 2	0.16	< 0.5	6	26	40	1.77	< 10	< 1	0.11	10	0.27	195	10
BB19704	201	202	2.4	0.79	20	1290	< 0.5	< 2	0.08	< 0.5	2	22	19	1.37	< 10	< 1	0.09	10	0.12	60	23
BB19705	201	202	6.0	0.57	16	1480	< 0.5	< 2	0.03	< 0.5	< 1	18	17	1.60	< 10	< 1	0.18	10	0.06	25	29
BB19706	201	202	1.4	0.69	22	640	< 0.5	< 2	0.05	< 0.5	3	20	28	1.46	< 10	< 1	0.13	10	0.12	65	12
BB19707	201	202	3.8	1.59	40	820	0.5	< 2	0.06	< 0.5	6	37	43	2.67	< 10	< 1	0.17	10	0.23	130	16
BB19708	201	202	2.8	1.56	36	630	< 0.5	< 2	0.11	< 0.5	4	36	19	2.64	< 10	< 1	0.13	10	0.24	130	14
BB19709	201	202	5.4	1.05	40	820	< 0.5	< 2	0.08	< 0.5	1	34	29	2.19	< 10	1	0.21	10	0.12	70	17
BB19710	201	202	1.2	0.40	18	320	< 0.5	< 2	0.04	< 0.5	< 1	10	15	1.10	< 10	< 1	0.16	20	0.04	30	6
BB19711	201	202	2.4	0.76	32	370	< 0.5	< 2	0.04	< 0.5	2	20	28	2.30	< 10	< 1	0.11	10	0.08	65	11
BB19712	201	202	2.2	0.94	24	850	< 0.5	< 2	0.14	< 0.5	4	25	34	1.95	< 10	< 1	0.18	10	0.24	125	15
BB19713	201	202	1.2	0.91	22	580	< 0.5	< 2	0.07	< 0.5	3	21	21	1.57	< 10	< 1	0.10	10	0.16	70	10
BB19714	201	202	2.0	1.13	34	560	< 0.5	< 2	0.07	< 0.5	3	28	29	2.09	< 10	< 1	0.13	10	0.18	105	13
BB19715	201	202	4.2	0.65	36	950	< 0.5	< 2	0.02	< 0.5	< 1	27	8	2.12	< 10	< 1	0.15	10	0.06	30	22
BB19716	201	202	4.6	1.04	36	850	< 0.5	< 2	0.05	< 0.5	1	28	16	2.38	< 10	< 1	0.12	10	0.09	50	20
BB19717	201	202	2.0	0.80	26	440	< 0.5	< 2	0.05	< 0.5	1	20	13	1.98	< 10	< 1	0.09	10	0.08	40	10
BB19718	201	202	4.6	0.89	36	400	< 0.5	< 2	0.11	< 0.5	3	28	42	2.50	< 10	< 1	0.12	10	0.14	100	13
BB19719	201	202	5.4	1.11	32	820	< 0.5	< 2	0.06	< 0.5	3	30	30	2.30	< 10	< 1	0.09	10	0.16	85	15
BB19720	201	202	2.8	1.11	24	1450	< 0.5	< 2	0.07	< 0.5	1	32	20	1.95	< 10	< 1	0.08	10	0.13	75	21
BB19721	201	202	5.6	1.51	24	2340	< 0.5	< 2	0.06	< 0.5	3	38	29	2.07	< 10	< 1	0.09	10	0.11	55	26
BB19722	201	202	1.6	0.79	10	1160	< 0.5	< 2	0.07	< 0.5	1	20	13	1.31	< 10	< 1	0.08	10	0.12	55	13
BB19723	201	202	3.4	1.13	22	560	< 0.5	< 2	0.06	< 0.5	3	31	14	2.05	< 10	< 1	0.07	10	0.18	110	10
BB19724	201	202	5.6	1.58	22	1060	< 0.5	< 2	0.07	< 0.5	6	47	22	2.50	< 10	< 1	0.08	10	0.33	130	15
BB19725	201	202	5.0	1.28	26	2610	0.5	< 2	0.08	< 0.5	3	35	41	1.96	< 10	< 1	0.12	10	0.15	80	33
BB19726	201	202	3.4	0.68	24	4060	< 0.5	< 2	0.03	< 0.5	< 1	21	20	1.00	< 10	< 1	0.09	10	0.02	20	47
BB19727	201	202	5.0	0.79	28	3640	< 0.5	< 2	0.04	< 0.5	< 1	29	28	1.41	< 10	< 1	0.11	10	0.05	35	61
BB19728	201	202	2.2	0.97	16	1280	< 0.5	< 2	0.07	< 0.5	1	25	16	1.59	< 10	< 1	0.08	10	0.10	45	16
BB19729	201	202	6.8	1.09	26	2880	< 0.5	< 2	0.07	< 0.5	3	33	49	1.56	< 10	< 1	0.09	10	0.12	60	36
BB19730	201	202	3.4	0.70	10	5760	< 0.5	< 2	0.06	< 0.5	< 1	25	32	0.63	< 10	< 1	0.07	10	0.01	10	27
BB19731	201	202	18.6	1.12	36	5770	0.5	< 2	0.04	< 0.5	< 1	126	39	2.16	< 10	< 1	0.09	10	0.03	15	44
BB19732	201	202	3.8	1.11	20	720	< 0.5	< 2	0.07	< 0.5	2	28	13	1.90	< 10	< 1	0.08	10	0.15	70	13
BB19733	201	202	9.6	1.32	34	1400	< 0.5	< 2	0.08	< 0.5	2	35	17	2.87	< 10	< 1	0.10	10	0.16	90	18
BB19734	201	202	2.2	0.86	26	490	< 0.5	< 2	0.08	< 0.5	3	26	18	1.81	< 10	< 1	0.09	10	0.17	85	11
BB19735	201	202	3.8	1.14	26	450	< 0.5	< 2	0.07	< 0.5	2	27	14	2.02	< 10	< 1	0.08	10	0.13	70	9
BB19736	201	202	1.4	1.88	22	530	0.5	< 2	0.15	< 0.5	8	49	37	2.50	< 10	< 1	0.16	10	0.66	250	8

CERTIFICATION:

Hart Buchler



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 WHITEHORSE, YT
 Y1A 3S9

Page : 7-B
 Total : 7
 Certificate Date: 01-JUL-97
 Invoice No. : 19728899
 P.O. Number :
 Account : MPO

Project : FP ARM
 Comments:

CERTIFICATE OF ANALYSIS A9728899

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
BB19700	201 202	< 0.01	5	2570	30	10	1	196	0.02	< 10	< 10	131	< 10	30
BB19701	201 202	< 0.01	10	2770	36	8	3	175	0.03	< 10	< 10	90	< 10	38
BB19702	201 202	< 0.01	16	990	26	4	2	123	0.02	< 10	< 10	55	< 10	70
BB19703	201 202	< 0.01	27	1440	24	6	3	135	0.03	< 10	< 10	53	< 10	84
BB19704	201 202	< 0.01	10	2020	30	10	4	188	0.02	< 10	< 10	67	< 10	28
BB19705	201 202	< 0.01	5	1420	46	14	2	226	0.01	< 10	< 10	66	< 10	18
BB19706	201 202	< 0.01	16	1700	22	6	3	145	0.01	< 10	< 10	57	< 10	68
BB19707	201 202	< 0.01	26	1870	32	6	4	145	0.02	< 10	< 10	94	< 10	88
BB19708	201 202	< 0.01	22	2120	26	4	3	137	0.03	< 10	< 10	92	< 10	96
BB19709	201 202	< 0.01	12	2880	40	10	4	158	0.01	< 10	< 10	93	< 10	66
BB19710	201 202	< 0.01	5	1480	42	8	1	185	< 0.01	< 10	< 10	26	< 10	34
BB19711	201 202	< 0.01	16	1960	24	6	1	99	0.01	< 10	< 10	84	< 10	114
BB19712	201 202	< 0.01	18	1520	26	6	4	154	0.03	< 10	< 10	66	< 10	60
BB19713	201 202	< 0.01	14	840	20	2	1	112	0.01	< 10	< 10	60	< 10	64
BB19714	201 202	< 0.01	20	1120	24	6	2	145	0.02	< 10	< 10	77	< 10	100
BB19715	201 202	< 0.01	5	2750	28	8	1	204	< 0.01	< 10	< 10	118	< 10	28
BB19716	201 202	< 0.01	9	2250	24	8	2	170	0.01	< 10	< 10	106	< 10	62
BB19717	201 202	< 0.01	8	2290	26	6	1	106	0.01	< 10	< 10	73	< 10	48
BB19718	201 202	< 0.01	28	2110	24	6	1	132	0.01	< 10	< 10	77	< 10	182
BB19719	201 202	< 0.01	17	1550	26	6	2	138	0.02	< 10	< 10	81	< 10	70
BB19720	201 202	< 0.01	11	2400	32	8	2	182	0.02	< 10	< 10	121	< 10	50
BB19721	201 202	< 0.01	14	3720	28	12	3	238	0.02	< 10	< 10	134	< 10	42
BB19722	201 202	< 0.01	8	1120	22	4	2	118	0.02	< 10	< 10	63	< 10	32
BB19723	201 202	< 0.01	13	810	20	4	2	99	0.03	< 10	< 10	60	< 10	48
BB19724	201 202	< 0.01	31	1110	22	6	3	122	0.03	< 10	< 10	80	< 10	98
BB19725	201 202	< 0.01	17	4120	32	14	5	255	0.03	< 10	< 10	124	< 10	68
BB19726	201 202	< 0.01	2	5890	42	22	6	509	0.01	< 10	< 10	150	< 10	14
BB19727	201 202	< 0.01	5	5260	50	24	5	420	0.01	< 10	< 10	153	< 10	24
BB19728	201 202	< 0.01	8	1910	26	4	2	147	0.01	< 10	< 10	71	< 10	44
BB19729	201 202	< 0.01	17	3520	46	16	3	318	0.01	< 10	10	181	< 10	72
BB19730	201 202	< 0.01	2	4810	58	16	2	539	0.01	< 10	10	150	< 10	12
BB19731	201 202	< 0.01	3	9510	72	20	1	621	0.01	< 10	30	268	< 10	22
BB19732	201 202	< 0.01	10	1290	28	6	2	120	0.03	< 10	< 10	93	< 10	54
BB19733	201 202	< 0.01	13	2790	28	10	3	168	0.02	< 10	< 10	122	< 10	56
BB19734	201 202	< 0.01	14	1230	26	4	1	108	0.02	< 10	< 10	68	< 10	58
BB19735	201 202	< 0.01	11	1180	22	6	1	100	0.03	< 10	< 10	67	< 10	50
BB19736	201 202	< 0.01	37	890	18	8	4	88	0.07	< 10	< 10	70	< 10	82

CERTIFICATION:

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EXPATRIATE RESOURCES LTD.
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Page : 1-A
 Total Pages : 2
 Certificate Date: 25-OCT-97
 Invoice No. : 19747658
 P.O. Number :
 Account : MPO

Project : ARM DDH97-01
 Comments:

CERTIFICATE OF ANALYSIS A9747658

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
N112051	205 276	1.4	0.30	6	1720	< 0.5	< 2	< 0.01	< 0.5	< 1	123	7	0.40	< 10	< 1	0.13	< 10	0.01	5	11
N112052	205 276	1.0	0.23	10	1680	< 0.5	< 2	< 0.01	< 0.5	< 1	98	11	0.32	< 10	< 1	0.10	< 10	0.01	5	16
N112053	205 276	1.0	0.18	2	1060	< 0.5	< 2	0.03	< 0.5	< 1	126	12	0.36	< 10	< 1	0.06	< 10	0.01	10	10
N112054	205 276	1.6	0.30	14	1390	< 0.5	< 2	< 0.01	< 0.5	< 1	88	9	0.58	< 10	< 1	0.14	< 10	0.01	5	10
N112055	205 276	1.2	0.28	8	610	< 0.5	< 2	< 0.01	< 0.5	< 1	78	7	0.62	< 10	< 1	0.14	< 10	0.01	5	1
N112056	205 276	1.4	0.29	10	670	< 0.5	< 2	< 0.01	< 0.5	< 1	89	7	0.72	< 10	< 1	0.15	< 10	0.01	5	1
N112057	205 276	1.2	0.30	< 2	410	< 0.5	< 2	< 0.01	< 0.5	< 1	90	9	0.87	< 10	< 1	0.17	< 10	0.01	5	7
N112058	205 276	1.4	0.26	2	660	< 0.5	< 2	< 0.01	< 0.5	< 1	120	7	0.63	< 10	< 1	0.12	< 10	0.01	5	6
N112059	205 276	1.4	0.31	2	40	< 0.5	< 2	< 0.01	< 0.5	6	85	59	2.46	< 10	< 1	0.14	< 10	0.01	60	4
N112060	205 276	1.0	0.35	4	30	< 0.5	< 2	< 0.01	< 0.5	6	92	75	2.91	< 10	< 1	0.16	< 10	0.02	65	2
N112061	205 276	0.8	0.34	4	40	< 0.5	< 2	< 0.01	< 0.5	6	71	70	2.64	< 10	< 1	0.13	< 10	0.01	60	1
N112062	205 276	1.6	0.45	12	80	< 0.5	< 2	< 0.01	< 0.5	6	85	104	1.90	< 10	< 1	0.14	< 10	0.01	45	17
N112063	205 276	1.6	0.37	14	90	< 0.5	< 2	< 0.01	< 0.5	6	82	116	1.67	< 10	< 1	0.13	< 10	0.01	40	19
N112064	205 276	1.6	0.49	16	120	< 0.5	< 2	< 0.01	< 0.5	5	104	175	1.50	< 10	< 1	0.15	< 10	0.01	40	31
N112065	205 276	1.0	0.29	12	170	< 0.5	< 2	< 0.01	1.0	6	121	118	1.34	< 10	< 1	0.11	< 10	0.01	45	41
N112066	205 276	1.6	0.36	18	60	< 0.5	< 2	< 0.01	3.5	9	95	200	2.27	< 10	< 1	0.12	< 10	0.01	55	34
N112067	205 276	1.4	0.44	12	70	< 0.5	< 2	< 0.01	4.0	5	119	300	1.85	< 10	< 1	0.11	< 10	0.01	35	16
N112068	205 276	1.8	0.47	10	60	< 0.5	< 2	0.46	2.0	6	89	184	1.99	< 10	< 1	0.12	< 10	0.01	40	9
N112069	205 276	1.2	0.66	6	50	< 0.5	< 2	1.43	1.0	6	77	90	2.14	< 10	< 1	0.16	< 10	0.02	30	5
N112070	205 276	1.4	0.42	10	70	< 0.5	< 2	0.11	< 0.5	7	106	139	1.91	< 10	< 1	0.11	< 10	0.01	40	3
N112071	205 276	1.6	0.49	6	50	< 0.5	< 2	0.08	< 0.5	9	104	114	2.30	< 10	< 1	0.11	< 10	0.01	40	3
N112072	205 276	2.2	0.55	16	60	< 0.5	< 2	0.18	1.0	7	131	144	1.91	< 10	< 1	0.12	< 10	0.01	40	20
N112073	205 276	1.6	0.41	12	80	< 0.5	< 2	0.17	0.5	6	100	103	1.72	< 10	< 1	0.11	< 10	0.01	50	11
N112074	205 276	1.6	0.65	22	30	< 0.5	< 2	0.08	3.0	10	105	126	2.71	< 10	< 1	0.15	< 10	0.01	60	23
N112075	205 276	2.2	0.61	28	40	< 0.5	< 2	0.14	14.5	9	115	112	2.19	< 10	< 1	0.13	< 10	0.01	55	40
N112076	205 276	2.0	0.84	14	60	0.5	< 2	1.36	8.5	6	105	70	1.69	< 10	< 1	0.16	< 10	0.03	40	12
N112077	205 276	1.8	0.63	14	80	< 0.5	< 2	0.58	21.5	5	121	77	1.34	< 10	< 1	0.12	< 10	0.01	40	30
N112078	205 276	2.0	0.44	18	70	< 0.5	< 2	0.14	17.0	8	124	83	1.80	< 10	< 1	0.13	< 10	0.01	55	55
N112079	205 276	4.6	0.44	40	30	< 0.5	< 2	0.01	5.5	17	69	127	3.75	< 10	< 1	0.15	10	0.02	115	50
N112080	205 276	2.0	0.33	16	60	< 0.5	< 2	0.15	6.5	8	77	84	2.08	< 10	< 1	0.11	< 10	0.01	60	21
N112081	205 276	2.4	0.36	12	50	< 0.5	< 2	0.10	0.5	9	67	83	2.46	< 10	< 1	0.11	< 10	0.01	55	13
N112082	205 276	2.4	0.34	20	60	< 0.5	< 2	0.22	1.5	7	77	79	2.29	< 10	< 1	0.11	< 10	0.01	45	18
N112083	205 276	1.6	0.47	32	90	< 0.5	< 2	0.33	3.0	6	96	71	1.71	< 10	< 1	0.12	< 10	0.01	45	15
N112084	205 276	1.6	0.59	50	120	< 0.5	< 2	1.21	3.5	5	108	66	1.36	< 10	< 1	0.17	< 10	0.03	70	12
N112085	205 276	2.0	0.68	20	100	0.5	< 2	0.32	9.5	5	142	138	1.29	< 10	< 1	0.13	< 10	0.02	45	16
N112086	205 276	2.0	0.73	24	80	0.5	< 2	0.97	6.0	5	146	101	1.54	< 10	< 1	0.16	< 10	0.03	50	17
N112087	205 276	1.8	0.88	18	70	0.5	< 2	2.11	9.0	4	119	91	1.46	< 10	< 1	0.15	< 10	0.03	65	17
N112088	205 276	2.0	0.62	22	80	< 0.5	< 2	0.96	8.5	6	106	88	1.54	< 10	< 1	0.13	< 10	0.01	50	23
N112089	205 276	1.4	0.30	14	90	< 0.5	< 2	0.07	4.0	8	72	65	1.75	< 10	< 1	0.09	< 10	< 0.01	55	34
N112090	205 276	1.8	0.44	16	60	< 0.5	< 2	0.07	9.5	9	116	82	1.95	< 10	< 1	0.11	< 10	0.01	50	23

CERTIFICATION:

Handwritten signature



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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To: EXPATRIATE RESOURCES LTD.
 C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
 P.O. BOX 4127
 WHITEHORSE, YT.
 Y1A 3S9

Project: ARM DDH97-01
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CERTIFICATE OF ANALYSIS

A9747658

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
N112051	205 276	< 0.01	3	820	18	2	1	121	< 0.01	< 10	< 10	28	< 10	< 2
N112052	205 276	< 0.01	3	820	18	< 2	1	106	< 0.01	< 10	< 10	27	< 10	12
N112053	205 276	< 0.01	5	310	6	< 2	< 1	66	< 0.01	< 10	< 10	24	< 10	10
N112054	205 276	< 0.01	3	1020	22	2	4	133	< 0.01	< 10	< 10	17	< 10	2
N112055	205 276	< 0.01	3	1290	16	< 2	4	135	< 0.01	< 10	< 10	8	< 10	< 2
N112056	205 276	< 0.01	3	1510	16	< 2	9	102	< 0.01	< 10	< 10	10	< 10	< 2
N112057	205 276	< 0.01	4	770	16	< 2	1	129	< 0.01	< 10	< 10	9	< 10	< 2
N112058	205 276	< 0.01	4	510	14	< 2	1	162	< 0.01	< 10	< 10	12	< 10	< 2
N112059	205 276	< 0.01	24	220	20	2	3	81	< 0.01	< 10	< 10	9	< 10	2
N112060	205 276	< 0.01	26	330	18	2	3	51	< 0.01	< 10	< 10	11	< 10	4
N112061	205 276	< 0.01	22	840	20	2	4	59	< 0.01	< 10	< 10	17	< 10	6
N112062	205 276	< 0.01	36	1810	16	2	3	78	< 0.01	< 10	< 10	54	< 10	12
N112063	205 276	< 0.01	35	980	16	2	4	65	< 0.01	< 10	< 10	52	< 10	14
N112064	205 276	< 0.01	40	1770	18	8	4	85	< 0.01	< 10	< 10	119	< 10	16
N112065	205 276	< 0.01	70	280	10	2	1	32	< 0.01	< 10	< 10	52	< 10	88
N112066	205 276	< 0.01	83	750	20	8	3	55	< 0.01	< 10	< 10	51	< 10	262
N112067	205 276	< 0.01	43	1610	12	4	2	111	< 0.01	< 10	< 10	70	< 10	278
N112068	205 276	< 0.01	45	3250	12	8	2	265	< 0.01	< 10	< 10	43	< 10	134
N112069	205 276	< 0.01	41	7910	12	2	3	593	< 0.01	< 10	< 10	38	< 10	46
N112070	205 276	< 0.01	40	1620	10	6	1	137	< 0.01	< 10	< 10	26	< 10	10
N112071	205 276	< 0.01	39	1860	12	8	2	168	< 0.01	< 10	< 10	15	< 10	10
N112072	205 276	< 0.01	67	2400	12	8	2	230	< 0.01	< 10	< 10	67	< 10	70
N112073	205 276	< 0.01	51	1040	8	6	1	128	< 0.01	< 10	< 10	41	< 10	44
N112074	205 276	< 0.01	81	2260	20	8	2	173	< 0.01	< 10	< 10	43	< 10	184
N112075	205 276	< 0.01	95	2510	16	10	4	277	< 0.01	< 10	10	76	< 10	884
N112076	205 276	< 0.01	74	8650	8	6	4	797	< 0.01	< 10	< 10	119	< 10	438
N112077	205 276	< 0.01	79	4500	10	8	3	449	< 0.01	< 10	< 10	170	< 10	1185
N112078	205 276	< 0.01	98	1660	18	6	2	158	< 0.01	< 10	< 10	85	< 10	1010
N112079	205 276	< 0.01	137	1030	34	16	6	71	< 0.01	< 10	< 10	30	< 10	180
N112080	205 276	< 0.01	69	1220	14	6	2	135	< 0.01	< 10	< 10	42	< 10	482
N112081	205 276	< 0.01	59	1230	18	8	3	141	< 0.01	< 10	< 10	24	< 10	60
N112082	205 276	< 0.01	66	1540	16	8	1	210	< 0.01	< 10	< 10	37	< 10	70
N112083	205 276	< 0.01	76	2580	10	6	1	312	< 0.01	< 10	< 10	59	< 10	166
N112084	205 276	< 0.01	92	5970	6	12	2	668	< 0.01	< 10	< 10	108	< 10	220
N112085	205 276	< 0.01	96	3850	10	6	1	230	< 0.01	< 10	< 10	180	< 10	512
N112086	205 276	< 0.01	109	6310	10	6	2	535	< 0.01	< 10	< 10	151	< 10	426
N112087	205 276	< 0.01	112	>10000	8	6	4	916	< 0.01	< 10	10	166	< 10	574
N112088	205 276	< 0.01	98	6250	10	6	3	532	< 0.01	< 10	10	103	< 10	548
N112089	205 276	< 0.01	91	1060	14	4	1	91	< 0.01	< 10	< 10	42	< 10	302
N112090	205 276	< 0.01	73	1810	14	4	3	117	< 0.01	< 10	< 10	64	< 10	662

CERTIFICATION: *[Signature]*



Chemex Labs Ltd.

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To: EXPATRIATE RESOURCES LTD.
 C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
 P.O. BOX 4127
 WHITEHORSE, YT
 Y1A 3S9

Project : ARM DDH97-01
 Comments:

Page Number : 2-A
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 Certificate Date: 25-OCT-97
 Invoice No. : 19747658
 P.O. Number :
 Account : MPO

CERTIFICATE OF ANALYSIS A9747658

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
N112091	205 276	1.6	0.41	18	90	< 0.5	< 2	0.08	12.5	8	116	82	1.79	< 10	< 1	0.12	< 10	0.01	50	26
N112092	205 276	1.6	0.56	8	60	< 0.5	< 2	0.20	5.0	8	89	81	2.03	< 10	< 1	0.13	< 10	0.01	50	6
N112093	205 276	2.2	0.42	14	70	< 0.5	< 2	0.70	6.5	7	89	106	2.00	< 10	< 1	0.10	< 10	0.01	65	21
N112094	205 276	1.8	0.42	8	70	< 0.5	< 2	0.90	3.5	6	67	90	1.90	< 10	< 1	0.11	< 10	0.01	40	10
N112095	205 276	1.0	0.29	6	40	< 0.5	< 2	< 0.01	1.0	8	80	70	2.93	< 10	1	0.12	< 10	0.01	70	< 1
N112096	205 276	2.0	0.52	12	60	< 0.5	< 2	0.29	6.0	6	81	80	2.14	< 10	< 1	0.12	< 10	0.01	40	10
N112097	205 276	2.0	0.65	10	70	< 0.5	< 2	0.70	6.5	6	89	63	1.75	< 10	< 1	0.12	< 10	0.02	35	15
N112098	205 276	2.0	0.75	14	70	< 0.5	< 2	0.72	8.0	5	80	73	1.60	< 10	< 1	0.12	< 10	0.02	40	22
N112099	205 276	2.0	0.70	8	70	< 0.5	< 2	1.20	2.0	5	90	58	1.66	< 10	< 1	0.14	< 10	0.02	30	8
N112100	205 276	1.8	0.66	12	80	< 0.5	< 2	0.49	9.5	5	81	66	1.60	< 10	< 1	0.10	< 10	0.01	25	12
N112101	205 276	1.8	0.55	10	80	< 0.5	< 2	0.74	5.0	6	76	62	1.86	< 10	< 1	0.10	< 10	0.01	40	14
N112102	205 276	2.2	0.45	16	80	< 0.5	< 2	0.47	10.0	7	71	80	1.76	< 10	< 1	0.09	< 10	0.01	50	42
N112103	205 276	1.8	0.34	14	100	< 0.5	< 2	0.15	7.0	8	69	81	1.74	< 10	< 1	0.09	< 10	0.01	55	30
N112104	205 276	2.0	0.32	12	80	< 0.5	< 2	0.04	5.0	9	60	81	2.16	< 10	< 1	0.10	< 10	0.01	60	22

CERTIFICATION:

Hart Buchler



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 WHITEHORSE, YT
 Y1A 3S9

Project: ARM DDH97-01
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CERTIFICATE OF ANALYSIS

A9747658

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
N112091	205	276	< 0.01	70	1370	14	6	3	101	< 0.01	< 10	< 10	65	< 10	706
N112092	205	276	< 0.01	52	2620	12	6	2	222	< 0.01	< 10	< 10	52	< 10	200
N112093	205	276	< 0.01	72	4180	10	2	2	332	< 0.01	< 10	< 10	54	< 10	406
N112094	205	276	< 0.01	57	4870	10	4	2	398	< 0.01	< 10	< 10	43	< 10	200
N112095	205	276	< 0.01	46	450	10	< 2	4	36	< 0.01	< 10	< 10	10	< 10	40
N112096	205	276	< 0.01	66	2670	12	6	3	267	< 0.01	< 10	< 10	59	< 10	376
N112097	205	276	< 0.01	66	5330	8	4	3	413	< 0.01	< 10	< 10	81	< 10	328
N112098	205	276	< 0.01	80	5890	6	6	3	478	< 0.01	< 10	< 10	130	< 10	466
N112099	205	276	< 0.01	51	7280	4	4	3	612	< 0.01	< 10	< 10	37	< 10	180
N112100	205	276	< 0.01	65	4860	8	2	2	381	< 0.01	< 10	< 10	59	< 10	442
N112101	205	276	< 0.01	75	5340	6	4	3	439	< 0.01	< 10	< 10	57	< 10	328
N112102	205	276	< 0.01	96	3570	16	4	3	341	< 0.01	< 10	< 10	78	< 10	832
N112103	205	276	< 0.01	87	1530	14	4	1	149	< 0.01	< 10	< 10	50	< 10	576
N112104	205	276	< 0.01	74	800	18	6	1	94	< 0.01	< 10	< 10	35	< 10	468

CERTIFICATION:

Hart Bishler



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To: EXPATRIATE RESOURCES LTD.
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 P.O. BOX 4127
 WHITEHORSE, YT
 Y1A 3S9

Project : ARM DDH 97-03
 Comments:

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 Certificate Date: 25-OCT-97
 Invoice No. : 19747690
 P.O. Number :
 Account : MPO

CERTIFICATE OF ANALYSIS A9747690

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
N112105	205 294	1.4	0.14	6	580	< 0.5	< 2	< 0.01	< 0.5	< 1	169	7	0.60	< 10	< 1	0.07	< 10	< 0.01	10	4
N112106	205 294	1.8	0.38	28	1400	< 0.5	< 2	0.03	< 0.5	< 1	209	9	1.69	< 10	< 1	0.16	< 10	0.01	10	37
N112108	205 294	1.0	0.24	10	760	< 0.5	< 2	< 0.01	< 0.5	< 1	193	61	0.47	< 10	< 1	0.08	< 10	0.01	10	10
N112109	205 294	2.6	0.45	10	570	< 0.5	< 2	0.47	0.5	1	147	198	0.69	< 10	< 1	0.15	< 10	0.01	25	7
N112110	205 294	3.6	0.66	24	140	< 0.5	< 2	1.25	6.0	5	178	174	1.30	< 10	< 1	0.21	< 10	0.03	40	27
N112111	205 294	2.8	0.64	38	90	< 0.5	< 2	0.90	22.5	5	156	139	1.46	< 10	1	0.21	< 10	0.03	40	66
N112112	205 294	3.0	0.73	30	120	0.5	< 2	1.36	19.0	5	142	135	1.33	< 10	< 1	0.21	10	0.03	55	30
N112113	205 294	2.4	0.73	28	100	0.5	< 2	1.40	3.0	5	156	99	1.68	< 10	< 1	0.22	< 10	0.03	65	12
N112114	205 294	2.0	0.82	58	110	0.5	< 2	1.54	6.5	6	128	100	1.74	< 10	< 1	0.23	< 10	0.04	60	20
N112115	205 294	1.0	0.77	12	80	< 0.5	< 2	0.74	0.5	9	69	50	2.43	< 10	< 1	0.28	< 10	0.11	30	5
N112116	205 294	0.6	0.38	2	70	< 0.5	< 2	0.05	< 0.5	10	54	43	2.73	< 10	< 1	0.20	< 10	0.05	5	< 1
N112117	205 294	0.6	0.30	4	60	< 0.5	< 2	0.06	< 0.5	11	50	38	2.83	< 10	< 1	0.17	< 10	0.03	5	< 1
N112118	205 294	0.4	0.22	2	70	< 0.5	< 2	0.05	< 0.5	10	28	35	2.57	< 10	< 1	0.13	< 10	0.03	5	< 1
N112119	205 294	0.6	0.29	6	90	< 0.5	< 2	0.06	< 0.5	8	50	51	2.02	< 10	< 1	0.18	< 10	0.03	15	< 1
N112120	205 294	1.2	0.45	20	30	< 0.5	< 2	0.31	1.0	7	104	56	2.76	< 10	< 1	0.18	< 10	0.05	30	1
N112121	205 294	0.4	0.20	10	80	< 0.5	< 2	0.05	0.5	7	87	46	2.32	< 10	< 1	0.09	< 10	0.02	5	< 1
N112122	205 294	2.0	0.26	28	70	< 0.5	< 2	0.15	2.0	6	124	102	2.86	< 10	< 1	0.11	< 10	0.02	20	4
N112123	205 294	1.0	0.17	16	80	< 0.5	< 2	0.03	0.5	9	81	58	2.32	< 10	< 1	0.07	< 10	0.01	20	< 1
N112124	205 294	1.4	0.26	10	100	< 0.5	< 2	0.04	< 0.5	5	117	64	2.46	< 10	< 1	0.12	< 10	0.03	25	1
N112125	205 294	2.2	0.76	16	100	< 0.5	< 2	1.31	9.5	5	122	146	2.09	< 10	< 1	0.33	< 10	0.11	170	11
N112126	205 294	2.4	0.61	16	240	< 0.5	< 2	2.16	19.5	3	140	118	1.08	< 10	< 1	0.25	10	0.10	30	9
N112127	205 294	1.8	1.36	22	70	0.5	< 2	3.08	3.0	9	68	149	3.43	< 10	< 1	0.55	10	0.57	545	6
N112128	205 294	2.2	0.92	26	50	< 0.5	< 2	1.86	1.5	10	55	138	3.59	< 10	< 1	0.45	< 10	0.16	155	8
N112129	205 294	1.6	0.59	14	110	< 0.5	< 2	1.26	< 0.5	10	42	92	2.27	< 10	< 1	0.30	< 10	0.38	155	3
N112130	205 294	2.4	0.87	24	60	< 0.5	< 2	1.72	0.5	10	56	102	3.01	< 10	< 1	0.42	< 10	0.36	180	7
N112131	205 294	2.0	0.84	16	70	< 0.5	< 2	1.24	1.5	10	47	91	3.13	< 10	< 1	0.41	< 10	0.33	240	4
N112132	205 294	3.4	1.51	30	40	0.5	< 2	3.00	3.0	11	73	143	2.92	< 10	< 1	0.69	10	0.36	170	10
N112133	205 294	1.8	0.42	20	40	< 0.5	< 2	0.28	7.5	11	112	60	3.82	< 10	< 1	0.15	< 10	0.04	85	2
N112134	205 294	1.0	0.36	14	80	< 0.5	< 2	0.08	0.5	7	103	45	2.53	< 10	< 1	0.14	< 10	0.02	35	3
N112135	205 294	1.0	0.28	12	90	< 0.5	< 2	0.04	< 0.5	8	105	70	2.29	< 10	< 1	0.14	< 10	0.03	15	< 1
N112136	205 294	1.2	0.37	14	100	< 0.5	< 2	0.13	0.5	6	110	44	2.32	< 10	< 1	0.15	< 10	0.03	20	1
N112137	205 294	1.4	0.37	24	220	< 0.5	< 2	0.48	5.5	4	120	103	1.34	< 10	< 1	0.16	< 10	0.04	35	16
N112138	205 294	0.8	0.20	10	120	< 0.5	< 2	0.04	< 0.5	10	126	25	1.64	< 10	< 1	0.07	< 10	0.01	90	1
N112139	205 294	1.6	0.34	20	120	< 0.5	< 2	0.25	2.5	8	115	53	2.20	< 10	< 1	0.13	< 10	0.03	85	10
N112140	205 294	2.4	0.75	72	50	< 0.5	< 2	0.35	50.5	8	81	241	2.67	< 10	1	0.36	< 10	0.12	20	117
N112141	205 294	2.0	0.65	66	70	< 0.5	< 2	0.28	33.0	8	68	206	2.34	< 10	1	0.31	< 10	0.11	20	99
N112142	205 294	2.0	0.68	72	70	< 0.5	< 2	0.19	56.5	8	81	214	2.33	< 10	1	0.32	< 10	0.12	15	122
N112143	205 294	2.2	0.60	62	80	< 0.5	< 2	0.21	61.5	8	82	217	2.37	< 10	1	0.28	< 10	0.11	25	108
N112144	205 294	0.6	0.15	8	120	< 0.5	< 2	0.07	0.5	6	133	18	1.19	< 10	< 1	0.05	< 10	0.01	60	1
N112145	205 294	1.0	0.54	16	170	< 0.5	< 2	1.12	11.5	4	113	67	2.28	< 10	< 1	0.14	< 10	0.04	100	5

CERTIFICATION:

Heidi Bichler



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Project: ARM DDH 97-03
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CERTIFICATE OF ANALYSIS A9747690

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
N112105	205 294	< 0.01	5	1180	10	2	< 1	78	< 0.01	< 10	< 10	20	< 10	24
N112106	205 294	< 0.01	6	5330	26	18	2	244	< 0.01	< 10	< 10	54	< 10	20
N112108	205 294	< 0.01	12	1000	10	< 2	< 1	126	< 0.01	< 10	< 10	83	< 10	14
N112109	205 294	< 0.01	45	3110	14	4	1	434	< 0.01	< 10	< 10	117	< 10	30
N112110	205 294	< 0.01	131	6330	20	10	1	770	< 0.01	< 10	10	376	< 10	468
N112111	205 294	< 0.01	166	4770	30	10	1	494	< 0.01	< 10	10	477	< 10	1870
N112112	205 294	< 0.01	127	7340	20	8	3	726	< 0.01	< 10	10	324	< 10	1290
N112113	205 294	< 0.01	104	7070	16	8	1	789	< 0.01	< 10	10	175	< 10	116
N112114	205 294	< 0.01	101	7960	22	10	1	1205	< 0.01	< 10	10	202	< 10	402
N112115	205 294	< 0.01	43	4170	16	6	2	518	< 0.01	< 10	< 10	31	< 10	88
N112116	205 294	< 0.01	29	530	14	2	1	95	< 0.01	< 10	< 10	8	< 10	18
N112117	205 294	< 0.01	29	440	12	< 2	< 1	53	< 0.01	< 10	< 10	5	< 10	18
N112118	205 294	< 0.01	30	350	10	2	1	46	< 0.01	< 10	< 10	5	< 10	16
N112119	205 294	< 0.01	34	410	8	< 2	< 1	42	< 0.01	< 10	< 10	6	< 10	22
N112120	205 294	< 0.01	50	1700	16	6	1	64	< 0.01	< 10	< 10	22	< 10	158
N112121	205 294	< 0.01	40	350	16	2	< 1	34	< 0.01	< 10	< 10	9	< 10	124
N112122	205 294	< 0.01	77	790	20	8	< 1	58	< 0.01	< 10	< 10	31	< 10	106
N112123	205 294	< 0.01	52	230	14	6	< 1	29	< 0.01	< 10	< 10	9	< 10	66
N112124	205 294	< 0.01	34	240	18	4	< 1	30	< 0.01	< 10	< 10	12	< 10	8
N112125	205 294	< 0.01	77	5950	16	10	1	287	0.01	< 10	10	130	< 10	770
N112126	205 294	< 0.01	69	9730	12	6	1	448	< 0.01	< 10	10	96	< 10	1620
N112127	205 294	< 0.01	106	>10000	14	4	4	605	0.01	< 10	10	78	< 10	266
N112128	205 294	< 0.01	65	8250	16	4	2	375	0.01	< 10	10	46	< 10	124
N112129	205 294	< 0.01	34	3220	14	4	1	306	< 0.01	< 10	< 10	25	< 10	56
N112130	205 294	< 0.01	49	5800	22	4	2	341	0.01	< 10	10	53	< 10	116
N112131	205 294	< 0.01	46	3870	14	6	2	282	< 0.01	< 10	10	41	< 10	92
N112132	205 294	< 0.01	66	>10000	18	6	3	512	0.02	< 10	10	102	< 10	332
N112133	205 294	< 0.01	76	1380	62	6	< 1	101	< 0.01	< 10	< 10	31	< 10	746
N112134	205 294	< 0.01	46	430	26	2	< 1	54	< 0.01	< 10	< 10	21	< 10	60
N112135	205 294	< 0.01	40	230	16	6	< 1	36	< 0.01	< 10	< 10	22	< 10	34
N112136	205 294	< 0.01	42	670	20	6	< 1	77	< 0.01	< 10	< 10	21	< 10	64
N112137	205 294	< 0.01	90	2210	12	6	< 1	237	< 0.01	< 10	< 10	118	< 10	244
N112138	205 294	< 0.01	39	230	32	2	< 1	26	< 0.01	< 10	< 10	15	< 10	8
N112139	205 294	< 0.01	60	1240	26	2	< 1	123	< 0.01	< 10	< 10	62	< 10	22
N112140	205 294	< 0.01	180	1580	36	4	1	88	0.01	< 10	30	473	< 10	3280
N112141	205 294	< 0.01	142	1360	24	6	1	83	< 0.01	< 10	30	349	< 10	2080
N112142	205 294	< 0.01	170	990	30	4	1	55	0.01	< 10	20	379	< 10	3880
N112143	205 294	< 0.01	141	1080	32	2	1	59	< 0.01	< 10	10	387	20	4020
N112144	205 294	< 0.01	31	410	10	< 2	< 1	33	< 0.01	< 10	< 10	13	< 10	20
N112145	205 294	< 0.01	61	5700	10	2	3	306	< 0.01	< 10	10	84	< 10	320

CERTIFICATION:

Hart Bichler



Chemex Labs Ltd.

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

To: EXPATRIATE RESOURCES LTD.
 C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
 P.O. BOX 4127
 WHITEHORSE, YT
 Y1A 3S9

Project: ARM DDH 97-03
 Comments:

Page Number : 2-A
 Total Pages : 2
 Certificate Date: 25-OCT-97
 Invoice No. : 19747690
 P.O. Number :
 Account : MPO

CERTIFICATE OF ANALYSIS A9747690

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
N112146	205 294	0.4	0.57	14	240	< 0.5	< 2	0.36	1.5	14	49	27	6.70	< 10	< 1	0.29	< 10	0.33	2460	3
N112147	205 294	0.2	0.53	6	150	< 0.5	< 2	0.17	1.0	9	51	34	2.20	< 10	< 1	0.26	< 10	0.09	660	1
N112148	205 294	0.2	0.51	12	110	< 0.5	< 2	0.16	< 0.5	7	66	34	2.14	< 10	< 1	0.27	< 10	0.09	20	< 1
N112149	205 294	0.4	0.49	8	150	< 0.5	< 2	0.14	< 0.5	7	67	31	1.66	< 10	< 1	0.27	< 10	0.09	15	1
N112150	205 294	0.2	0.62	8	40	< 0.5	< 2	0.40	< 0.5	7	57	33	3.59	< 10	< 1	0.32	< 10	0.11	15	< 1
N112231	205 294	0.6	0.43	12	90	< 0.5	< 2	0.15	< 0.5	9	71	41	2.37	< 10	< 1	0.26	< 10	0.07	20	< 1
N112232	205 294	0.6	0.52	20	100	< 0.5	< 2	0.25	< 0.5	9	71	43	2.16	< 10	< 1	0.29	< 10	0.08	25	1
N112233	205 294	0.8	0.44	24	70	< 0.5	< 2	0.15	< 0.5	10	69	42	2.75	< 10	< 1	0.25	< 10	0.07	35	1
N112234	205 294	0.6	0.42	16	120	< 0.5	< 2	0.14	< 0.5	8	63	45	2.04	< 10	< 1	0.25	< 10	0.07	10	< 1

CERTIFICATION:

Hart Bichler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

To: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
P.O. BOX 4127
WHITEHORSE, YT
Y1A 3S9

Project : ARM DDH 97-03
Comments:

Page Number : 2-B
Total Pages : 2
Certificate Date: 25-OCT-97
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P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS

A9747690

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
N112146	205	294	< 0.01	129	440	14	2	2	44	< 0.01	< 10	< 10	11	< 10	626
N112147	205	294	< 0.01	30	850	10	< 2	1	46	< 0.01	< 10	< 10	11	< 10	46
N112148	205	294	< 0.01	25	730	16	< 2	1	26	< 0.01	< 10	< 10	8	< 10	20
N112149	205	294	< 0.01	25	660	12	2	1	21	< 0.01	< 10	< 10	8	< 10	16
N112150	205	294	< 0.01	28	1820	12	2	2	31	< 0.01	< 10	< 10	6	< 10	24
N112231	205	294	< 0.01	28	700	12	2	< 1	19	< 0.01	< 10	< 10	7	< 10	38
N112232	205	294	< 0.01	31	1120	12	2	1	34	< 0.01	< 10	< 10	10	< 10	24
N112233	205	294	< 0.01	35	790	16	2	< 1	31	< 0.01	< 10	< 10	8	< 10	48
N112234	205	294	< 0.01	28	650	12	2	1	19	< 0.01	< 10	< 10	6	< 10	26

CERTIFICATION:

Handwritten signature

APPENDIX IV
SYNOPTIC DRILL LOGS

SYNOPTIC LOG
NORDAC RESOURCES LTD.
Property: ARMHole: ARM97-01 Section: _____

Easting: _____ Northing: _____ Elevation: _____ Depth: _____ Logger: _____ G. Duso / L. Pigage

425,183.67 6,823,487.79 1,375.24 150.57 Drilling Dates: Sept. 3-7, 1997

Depth	0.00	150.57		
Azimuth	220	220		
Dip	-50	-57		
Method	Brunton	Acid		

From (m)	To (m)	Interval (m)	*	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	5.49	5.49		CSDH	casing, no recovery										
5.49	10.21	4.72		GPPH	phyllite rubble										
10.21	20.42	10.21		GPPH	black phyllite										
						10.21	13.71	3.50	N112051	92	7	18	<2	1.4	n/a
						13.71	16.76	3.05	N112052	112	11	18	12	1.0	n/a
						18.89	20.42	1.53	N112053	100	12	6	10	1.0	n/a
20.42	29.26	8.84		MSSL	interbedded siltstone and black phyllite										
						20.42	23.46	3.04	N112054	100	9	22	2	1.6	n/a
						23.46	25.29	1.83	N112055	94	7	16	<2	1.2	n/a
						25.29	28.04	2.75	N112056	70	7	16	<2	1.4	n/a
						28.04	29.26	1.22	N112057	81	9	16	<2	1.2	n/a
29.26	40.23	10.97		MSSL	interbedded siltstone and black phyllite										
					-fine grained disseminated pyrite in phyllite	29.26	31.08	1.82	N112058	99	7	14	<2	1.4	n/a
						31.08	34.14	3.06	N112059	90	59	20	2	1.4	n/a
						34.14	37.19	3.05	N112060	96	75	18	4	1.0	n/a
						37.19	40.23	3.04	N112061	92	70	20	6	0.8	n/a
40.23	53.95	13.72		GPPH	black phyllite										
					-disseminated pyrite at 52.50 and 53.00	40.23	43.28	3.05	N112062	70	104	16	12	1.6	n/a
						43.28	46.33	3.05	N112063	74	116	16	14	1.6	n/a
						46.33	49.38	3.05	N112064	83	175	18	16	1.6	n/a
						49.38	52.43	3.05	N112065	76	118	10	88	1.0	n/a
						52.43	53.95	1.52	N112066	82	200	20	262	1.6	n/a
53.95	64.60	10.65		MSSL	siltstone with minor phyllite										
					-minor disseminated pyrite	53.95	56.95	3.00	N112067	62	300	12	278	1.4	n/a
						56.95	59.95	3.00	N112068	85	184	12	134	1.8	n/a
						59.95	62.95	3.00	N112069	68	90	12	46	1.2	n/a
						62.95	64.60	1.65	N112070	88	139	10	10	1.4	n/a
64.60	65.84	1.24		MSSL	interbedded siltstone and black phyllite										
					-folded fine grained pyrite bands	64.60	65.84	1.24	N112071	96	114	12	10	1.6	n/a

*S-strong weathering, T-transitional weathering, F-fresh

**SYNOPTIC LOG
NORDAC RESOURCES LTD.**
Property: ARMHole: ARM97-01

From (m)	To (m)	Interval (m)	*	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
65.84	69.90	4.06		MSSL	grey siltstone with lesser phyllite										
					-distorted pyrite wisps	65.84	67.84	2.00	N112072	77	144	12	70	2.2	n/a
						67.84	69.90	2.06	N112073	63	103	8	44	1.6	n/a
69.90	75.29	5.39		GPPH	black phyllite										
					-coarse disseminated pyrite at 72.75-73.50	69.90	72.85	2.95	N112074	39	126	20	184	1.6	n/a
						72.85	75.29	2.44	N112075	43	112	16	884	2.2	n/a
75.29	79.86	4.57		MSSL	interbedded siltstone and black phyllite										
						75.29	76.81	1.52	N112076	93	70	8	438	2.0	n/a
						76.81	79.86	3.05	N112077	95	77	10	1185	1.8	n/a
79.86	85.00	5.14		GPPH	black phyllite										
						79.86	82.90	3.04	N112078	75	83	18	1010	2.0	n/a
						82.90	85.00	2.10	N112079	58	127	34	180	4.6	n/a
85.00	92.25	7.25		MSSL	interbedded siltstone and black phyllite										
					-locally disseminated pyrite with quartz	85.00	88.00	3.00	N112080	98	84	14	482	2.0	n/a
						88.00	91.00	3.00	N112081	93	83	18	60	2.4	n/a
						91.00	92.25	1.25	N112082	90	79	16	70	2.4	n/a
92.25	97.20	4.95		GPPH	broken black phyllite										
						92.25	95.10	2.85	N112083	29	71	10	166	1.6	n/a
						95.10	97.20	2.10	N112084	87	66	6	220	1.6	n/a
97.20	102.00	4.80		MSSL	grey siltstone										
					-chalcedony along fracture at 98.60	97.20	99.67	2.47	N112085	73	138	10	512	2.0	n/a
						99.67	102.00	2.33	N112086	89	101	10	426	2.0	n/a
102.00	103.38	1.38		GPPH	black phyllite										
						102.00	103.38	1.38	N112087	69	91	8	574	1.8	n/a
103.38	113.70	10.32		MSSL	interbedded siltstone and black phyllite										
						103.38	106.37	2.99	N112088	75	88	10	548	2.0	n/a
						106.37	109.42	3.05	N112089	72	65	14	302	1.4	n/a
						109.42	111.42	2.00	N112090	60	82	14	662	1.8	n/a
						111.42	113.70	2.28	N112091	65	82	14	706	1.6	n/a

*S-strong weathering, T-transitional weathering, F-fresh

SYNOPTIC LOG
NORDAC RESOURCES LTD.

Property: ARM

Hole: ARM97-02 Section: _____

Easting: _____ Northing: _____ Elevation: _____ Depth: _____ Logger: _____

425,302.03 6,823,635.16 1,369.34 153.01

A. Bourget/L. Pigage

Drilling Dates: _____

Sept 8-11, 1997

Depth	0.00	153.01			
Azimuth	220	220			
Dip	-50	-54			
Method	Brunton	Acid			

From (m)	To (m)	Interval (m)	*	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	6.10	6.10		CSDH	casing										
6.10	9.60	3.50		OBDH	overburden										
9.60	29.26	19.66		GPPH	black phyllite rubble										
29.26	46.40	17.14		MSSL	siltstone interbedded with black phyllite										
46.40	65.15	18.75		MSSL	grey siltstone with 5-10% interbedded black phyllite										
65.15	84.00	18.85		MSSL	siltstone breccia with black graphitic matrix										
84.00	85.65	1.65		GPPH	black phyllite										
85.65	85.95	0.30		MSSL	siltstone breccia										
85.95	91.30	5.35		MSSL	siltstone										
91.30	94.34	3.04		GPPH	black phyllite breccia										
94.34	98.75	4.41		MSSL	siltstone breccia										
98.75	116.45	17.70		MSSL	siltstone interbedded with black phyllite										
116.45	118.90	2.45		MSSL	grey siltstone										
118.90	121.70	2.80		GPPH	black phyllite										
121.70	125.75	4.05		GPPH	phyllite breccia										
125.75	133.00	7.25		GPPH	black phyllite										
133.00	135.05	2.05		GPPH	black phyllite breccia										
135.05	137.20	2.15		MSSL	siltstone interbedded with black phyllite										
137.20	140.75	3.55		MSSL	siltstone interbedded with black phyllite										
140.75	144.95	4.20		MSSL	grey siltstone										
144.95	153.01	8.06		MSSL	siltstone interbedded with black phyllite										
					EOH										

*S-strong weathering, T-transitional weathering, F-fresh

DRILL LOG COVER SHEET

Date: _____

Hole: A97-2

Property: _____

Section: _____

Easting: _____

Logged by: _____

A. BURGERT, L. PESSAGE

Northing: _____

Starting date: _____

SEPT 8/97

Elevation: _____

Completion date: _____

SEPT 11/97

Hole Length: _____

153.01

Contractor and rig: _____

LONGHEAR 38

Core size: HQNG

Survey Level collar	Depth	Azimuth	Dip	Test Type
1		<u>220°</u>	<u>-50</u>	<u>BURNTON</u>
2		<u>220°</u>	<u>-54</u>	<u>ACID</u>
3				
4				
5				

Purpose: _____

From (m)	To (m)	Unit	Remarks	From (m)	To (m)	Unit	Remarks
<u>0.00</u>	<u>6.10</u>	<u>CSDH</u>	<u>casing</u>				
<u>6.10</u>	<u>9.60</u>	<u>OBDH</u>	<u>overburden</u>				
<u>9.60</u>	<u>29.26</u>	<u>GPPH</u>	<u>black phyllite rubble</u>				
<u>29.26</u>	<u>84.00</u>	<u>MSSL</u>	<u>interbedded to phyllite</u>				
<u>34.00</u>	<u>35.65</u>	<u>GPPH</u>					
<u>35.65</u>	<u>91.30</u>	<u>MSSL</u>					
<u>91.30</u>	<u>94.34</u>	<u>GPPH</u>					
<u>94.34</u>	<u>118.90</u>	<u>MSSL</u>	<u>interbedded to phyllite</u>				
<u>118.90</u>	<u>135.05</u>	<u>GPPH</u>					
<u>135.05</u>	<u>153.01</u>	<u>MSSL</u>					
<u>153.01</u>			<u>EOH</u>				

Comments: _____

Assay certificate: _____

Claim name and number: _____

**SYNOPTIC LOG
NORDAC RESOURCES LTD.**

Property: ARM

Hole: ARM97-03 Section: _____

Easting: 425,398.64 Northing: 6,823,787.13 Elevation: 1,390.82 Depth: 149.96 Logger: L. Pigage
Drilling Dates: Aug 14-17, 1997

Depth	0.00	149.96			
Azimuth	220	220			
Dip	-50	-56			
Method	Brunton	Acid			

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	4.27	4.27	CSDH	casing										
4.27	5.49	1.22	OBDH	overburden										
5.49	10.97	5.48	-	no core										
10.97	36.58	25.61	GPPH	black phyllite rubble										
					10.97	14.02	3.05	N112105	14	7	10	24	1.4	n/a
					14.02	17.07	3.05	N112106	51	9	26	20	1.8	n/a
					20.07	22.86	2.79	N112108	16	61	10	14	1.0	n/a
					22.86	25.86	3.00	N112109	40	198	14	30	2.6	n/a
					25.86	28.35	2.49	N112110	67	174	20	468	3.6	n/a
					28.35	31.09	2.74	N112111	80	139	30	1870	2.8	n/a
					31.09	34.14	3.05	N112112	76	135	20	1290	3.0	n/a
					34.14	36.58	2.44	N112113	43	99	16	116	2.4	n/a
36.58	42.30	5.72	GPPH	black gouge - start of extensive fault zone										
				-locally redish iron staining	36.58	39.47	2.89	N112114	68	100	22	402	2.0	n/a
					39.47	42.30	2.83	N112115	86	50	16	88	1.0	n/a
42.30	52.43	10.13	MSSL	dark grey siltstone gouge/rubble										
				-trace fine disseminated pyrite	42.30	44.81	2.51	N112116	96	43	14	18	0.6	n/a
					44.81	47.55	2.74	N112117	113	38	12	18	0.6	n/a
					47.55	50.50	2.95	N112118	118	35	10	16	0.4	n/a
					50.50	52.43	1.93	N112119	98	51	8	22	0.6	n/a
52.43	56.39	3.96	GPPH	black gouge - end of fault zone										
				-trace disseminated pyrite	52.43	54.41	1.98	N112120	77	56	16	158	1.2	n/a
					54.41	56.39	1.98	N112121	77	46	16	124	0.4	n/a
56.39	59.13	2.74	GPPH	black phyllite										
				-minor crosscutting quartz-pyrite veinlets	56.39	59.13	2.74	N112122	95	102	20	106	2.0	n/a
59.13	65.38	6.25	MSSL	siltstone interbedded with black phyllite										
				-pyrite infilling late crosscutting fractures in siltstone	59.13	62.18	3.05	N112123	103	58	14	66	1.0	n/a
				-pyrite concretions in phyllite	62.18	65.38	3.20	N112124	99	64	18	8	1.4	n/a

*S-strong weathering, T-transitional weathering, F-fresh

**SYNOPTIC LOG
NORDAC RESOURCES LTD.**

Property: ARM

Hole: ARM97-03

From (m)	To (m)	Interval (m)	*	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
65.38	69.85	4.47		GPPH	black phyllite with gouge intervals										
						65.38	67.67	2.29	N112125	103	146	16	770	2.2	n/a
						67.67	69.85	2.18	N112126	71	118	12	1620	2.4	n/a
69.85	87.60	17.75		GPPH	phyllite with siltstone interbeds										
					-minor irregular quartz-pyrite veins	69.85	72.85	3.00	N112127	83	149	14	266	1.8	n/a
					-pyrite concretions up to 1cm in phyllite	72.85	75.85	3.00	N112128	97	138	16	124	2.2	n/a
					-disseminated pyrite in siltstone	75.85	78.85	3.00	N112129	85	92	14	56	1.6	n/a
						78.85	81.85	3.00	N112130	88	102	22	116	2.4	n/a
						81.85	84.85	3.00	N112131	75	91	14	92	2.0	n/a
						84.85	87.60	2.75	N112132	78	143	18	332	3.4	n/a
87.60	102.50	14.90		GPPH	broken phyllite with siltstone interbeds										
					-pyrite concretions in phyllite	87.60	90.98	3.38	N112133	64	60	62	746	1.8	n/a
					-disseminated pyrite in siltstone quartz veins	90.98	94.00	3.02	N112134	76	45	26	60	1.0	n/a
						94.00	97.00	3.00	N112135	52	70	16	34	1.0	n/a
						97.00	100.28	3.28	N112136	74	44	20	64	1.2	n/a
						100.28	102.50	2.22	N112137	55	103	12	244	1.4	n/a
102.50	106.68	4.18		MSSL	siltstone with lesser phyllite										
					-minor fine pyrite streaks and laminae in phyllite	102.50	104.50	2.00	N112138	82	25	32	8	0.8	n/a
						104.50	106.68	2.18	N112139	43	53	26	22	1.6	n/a
106.68	119.10	12.42		GPPH	black phyllite										
					-trace pyrite in folded quartz-pyrite veinlets	106.68	109.70	3.02	N112140	75	241	36	3280	2.4	n/a
					-trace fine pyrite in laminae defining bedding	109.70	112.78	3.08	N112141	47	206	24	2080	2.0	n/a
						112.78	115.82	3.04	N112142	66	214	30	3880	2.0	n/a
						115.82	119.10	3.28	N112143	38	217	32	4020	2.2	n/a
119.10	124.97	5.87		MSSL	siltstone interbedded with phyllite										
					-trace pyrite as infilling along late fractures	119.10	122.22	3.12	N112144	24	18	10	20	0.6	n/a
						122.22	124.97	2.75	N112145	28	67	10	320	1.0	n/a
124.97	128.40	3.43		GPPH	dark grey phyllite										
					-minor folded quartz-pyrite-carbonate veinlets	124.97	128.40	3.43	N112146	73	27	14	626	0.4	n/a

*S-strong weathering, T-transitional weathering, F-fresh

DRILL LOG COVER SHEET

Date: _____

Hole: A97-3

Property: _____

Section: _____

Easting: _____

Logged by: L. PIGGAGE

Northing: _____

Starting date: SEPT 12/97

Elevation: _____

Completion date: SEPT 15/97

Hole Length: 149.96

Contractor and rig: LONGMEAR 38

Core size: HQ, NS

Survey Level	Depth	Azimuth	Dip	Test Type
collar		220°	-50°	BRUNTON
1		220°	-56°	ACID
2				
3				
4				
5				

Purpose: _____

From (m)	To (m)	Unit	Remarks	From (m)	To (m)	Unit	Remarks
0.00	4.27	CSDH	casing				
4.27	5.49	OBDH	overburden				
5.49	10.97	-	no core				
10.97	30.58	GPPH	black phyllite rubble				
30.58	42.30	GPPH	faulted phyllite				
42.30	52.43	MSSL	faulted siltstone				
52.43	56.39	GPPH	faulted phyllite				
56.39	59.13	GPPH	black phyllite				
59.13	65.33	MSSL	interbedded to phyllite				
65.33	69.35	GPPH	with gouge intervals				
69.35	102.50	GPPH	with siltstone interbeds				
102.50	106.68	MSSL					
106.68	119.10	GPPH					
119.10	124.97	MSSL	interbedded to phyllite				
124.97	149.96	GPPH	black phyllite				

Comments: _____

Assay certificate: _____

Claim name and number: _____

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

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

093757

AFFIDAVIT

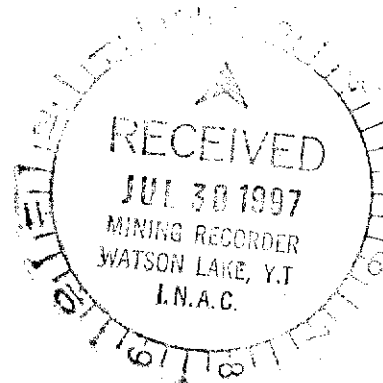
I, Joan Mariacher, of WHITEHORSE, YUKON make oath and say:

That to the best of my knowledge the attached Statement of Expenditures for exploration work on the ARM 1-12 mineral claims on Claim Sheet 105619 is accurate.


Joan Mariacher

Sworn before me at WHITEHORSE, YUKON
this 28TH day of
JULY, 1997


Notary, Yukon Territory



Statement of Expenditures
Arm 1-12 Mineral Claims
July 28, 1997

Labour

A. Burgert - geologist - June 7-17 - 11 days at \$285\day	\$ 3,354.45
D. Hladky - geologist - June 7-11 - 5 days at \$217.50\day	1,163.63
C. Cowan - field ass't - June 7-17 - 11 days at \$187.50\day	2,206.88
G. Downs - field ass't - June 14-17 - 4 days at \$180\day	770.40
C. Laudadio - field ass't - June 7-11 - 5 days at \$165\days	<u>882.75</u>
	8,378.11

Expenses

Field room and board - 42 mandays at \$110\day	4,943.40
Ross River Dena Corp. - R. Sterriah June 12-17 - 6 days at \$152.50\day	<u>981.94</u>
	5,925.34
	<u>\$14,303.45</u>

Ross River Dena Development Corporation

JUNE 13/97

EXPATRIATE - #015 - 96/97

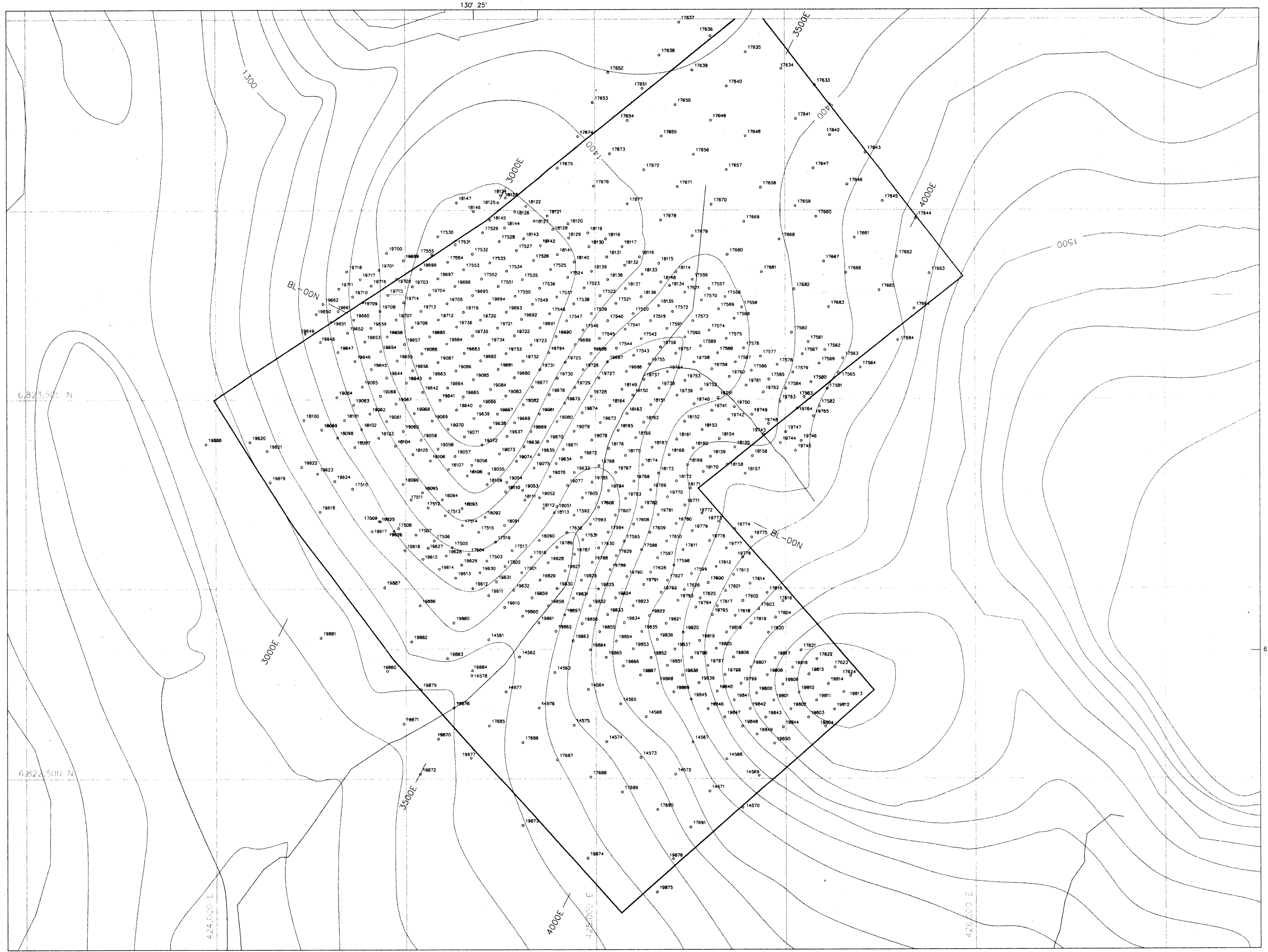
BOX 4127
WHITEHORSE Y.T
Y1A 3S9

Attention: DOUG
FAX: 403-667-4622

COST RECOVERY - WAGES

PERIOD:	JUNE 02-06/97 = 14.0 hrs. @ 18.00	252.00
	(LORRAINE STERRIAH - LIAISON WORKER)	
PERIOD:	JUNE 01-18/97 = 17.5 DAYS @ 133.00	2,327.50
	JUNE 25-30/97 = 6.0 DAYS @ 133.00	798.00
	(RUSSELL STERRIAH)	
PERIOD:	JUNE 01-08/97 = 7.5 DAYS @ 121.50	911.25
	JUNE 17 - 21/97 = 4.5 DAYS @ \$121.50	546.75
	(MELVIN CAESAR)	
PERIOD:	JUNE 01-09/97 = 9.0 DAYS @ 133.00	1,197.00
	JUNE 12-30/97 = 19.0 DAYS @ 133.00	2,527.00
	(ROBERTA DICK)	
PERIOD:	JUNE 12-30/97 = 19.0 DAYS @ 121.50	2,308.50
	(CYNTHIA DICK)	
	TOTAL WAGES	10,868.00
	ADMINISTRATION - 15%	1,630.20
	SUB TOTAL	12,498.20
	G.S.T. - 7% (#120158704)	874.87

TOTAL COSTS \$13,373.07



Grid North
True North
1' 06"

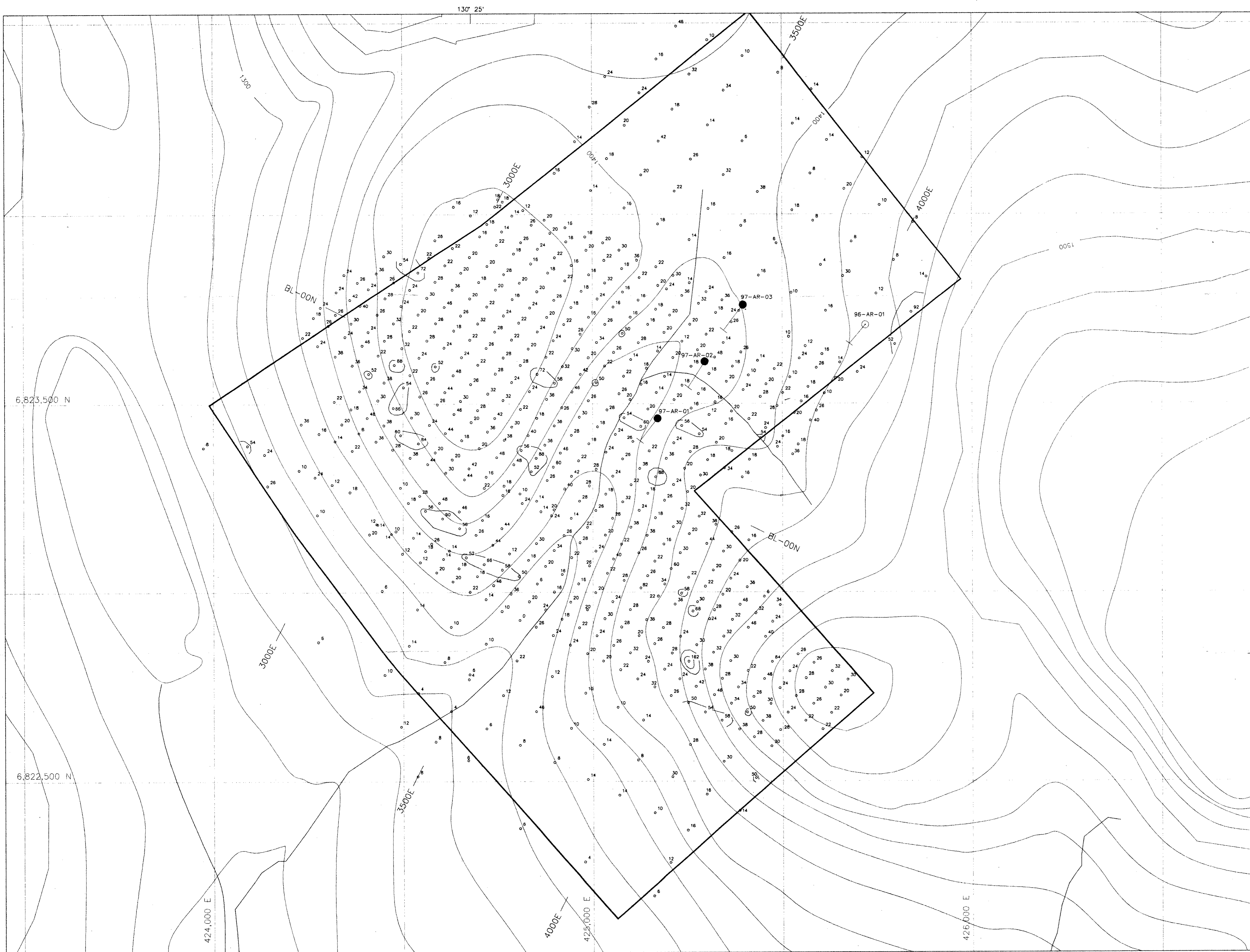
UTM Zone 9
NTS 105G/9
Contour interval 20m

— Claim boundary
● 19745 Soil sample location with sample number

093757

DWG 11

EXPATRIATE RESOURCES LTD.	
FIGURE 6 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED	
SAMPLE LOCATION	
ARM PROPERTY	
SCALE 1:5000 0 50 100 150 200 250m	
DRAWN/REVISED BY: AG	PROJECT: FP
FILE: FP\ARM\ACAD\AR5K-SL.DWG	DATE: DECEMBER.1997



Grid North
True North
1' 06"

UTM Zone 9
NTS 105G/9
Contour Interval 20m

- 97-AR-01 ● EXPATRIATE Diamond drill hole with trace
- 96-AR-01 ○ COMINCO Diamond drill hole with trace
- Claim boundary
- Soil sample location with lead value in ppm

- ≥ 200 ppm Pb
- ≥ 100 < 200 ppm Pb
- ≥ 50 < 100 ppm Pb

098757

DWG

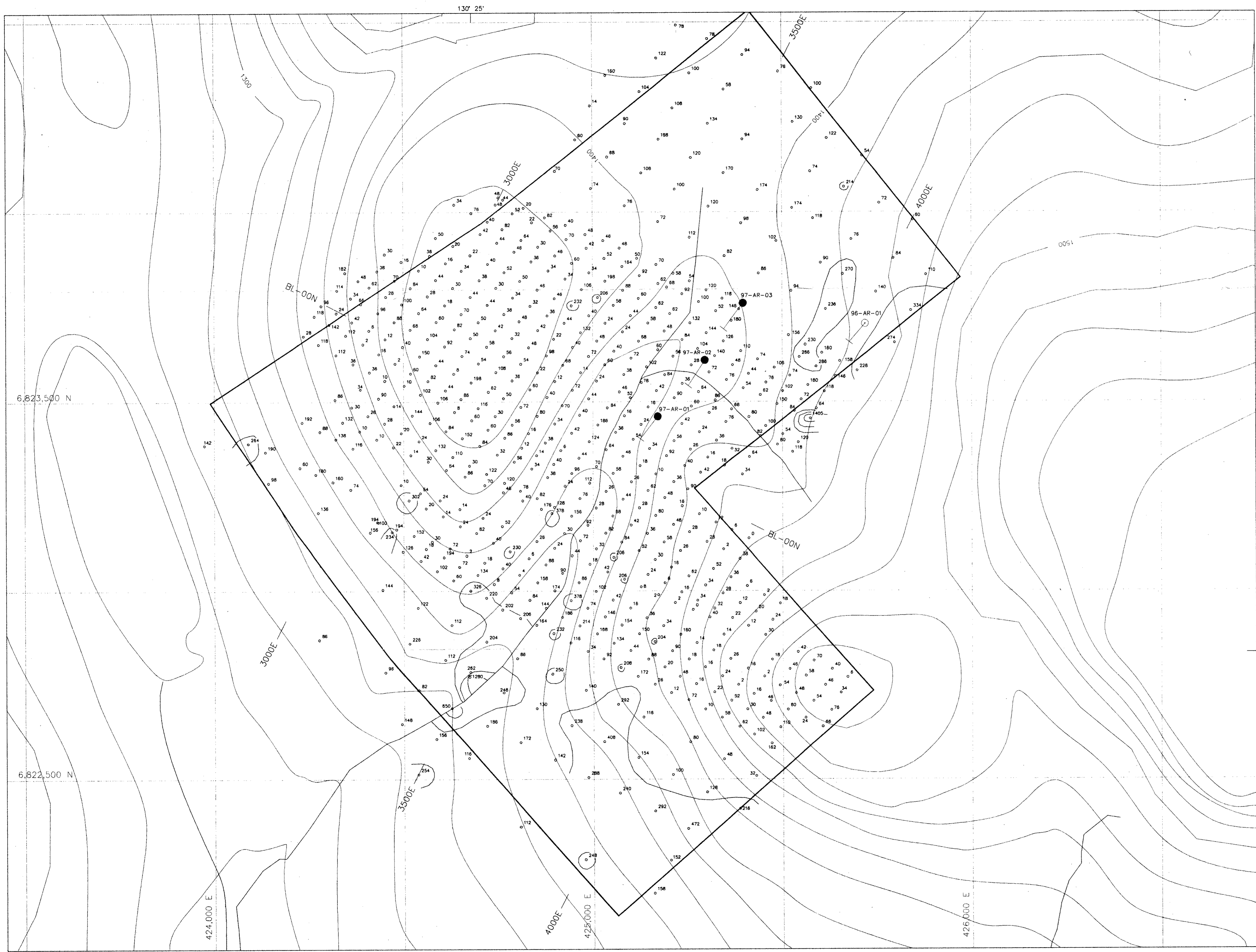
EXPATRIATE RESOURCES LTD.

FIGURE 7
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

LEAD GEOCHEMISTRY
ARM PROPERTY

SCALE 1:5000
0 50 100 150 200 250m

DRAWN/REVISED BY: AG	PROJECT: FP
FILE: FP\ARM\ACAD\AR5K-PB.DWG	DATE: DECEMBER, 1997



Grid North
True North

1' 06"

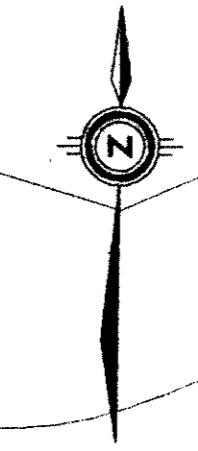
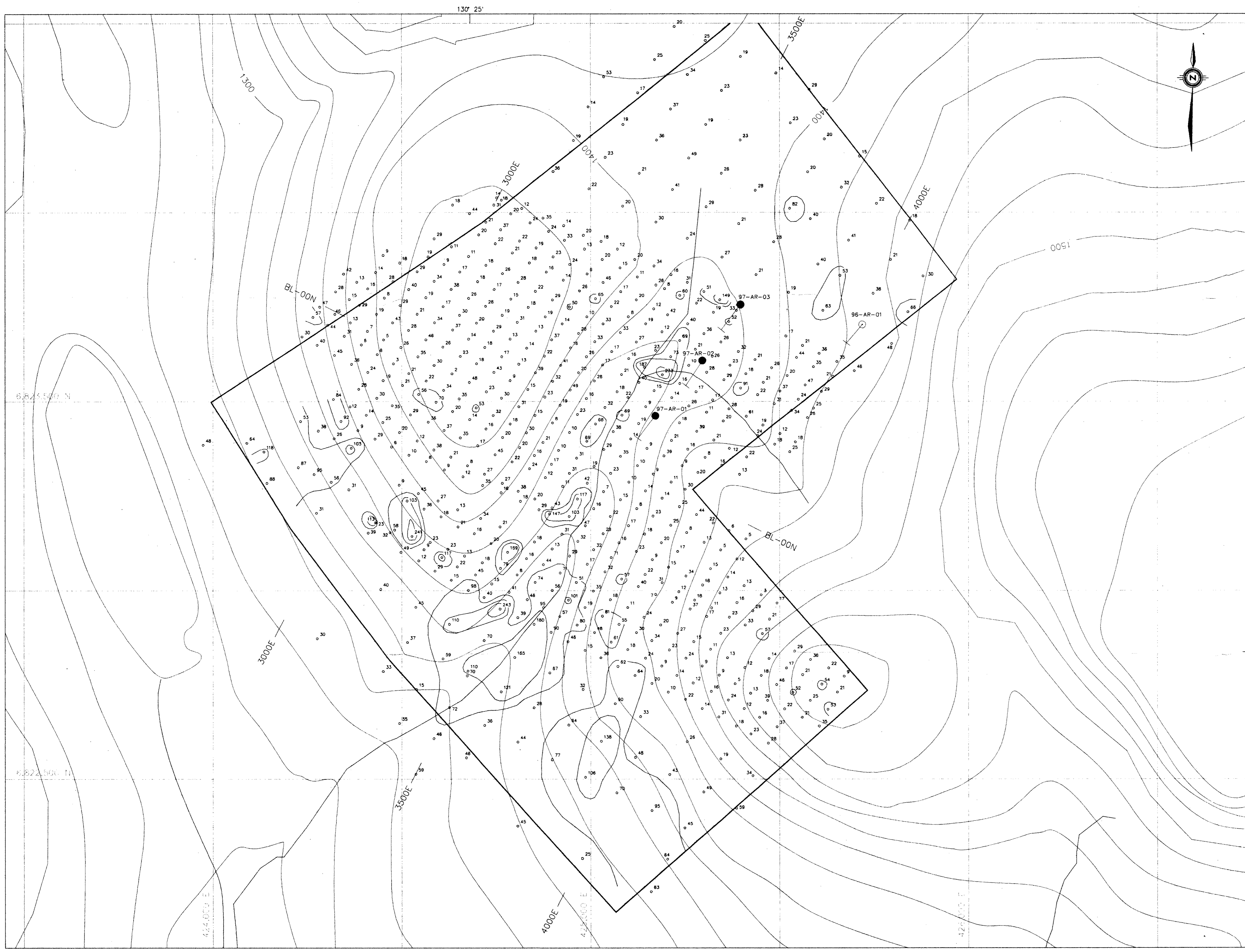
UTM Zone 9
NTS 105G/9
Contour Interval 20m

- 97-AR-01 ● EXPATRIATE Diamond drill hole with trace
 - 96-AR-01 ○ COMINCO Diamond drill hole with trace
 - Claim boundary
 - 262 Soil sample location with zinc value in ppm
-
- ≥ 1000 ppm Zn
 - ≥ 500 < 1000 ppm Zn
 - ≥ 200 < 500 ppm Zn

093757

Dwg 3

EXPATRIATE RESOURCES LTD.	
FIGURE 8 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED	
ZINC GEOCHEMISTRY	
ARM PROPERTY	
SCALE 1:5000 0 50 100 150 200 250m	
DRAWN/REVISED BY: AG	PROJECT: FP
FILE: FP\ARM\ACAD\AR5K-ZN.DWG	DATE: DECEMBER, 1997



Grid North
True North
1' 06"

UTM Zone 9
NTS 105G/9
Contour Interval 20m

- 97-AR-01 ● EXPATRIATE Diamond drill hole with trace
- 96-AR-01 ○ COMINCO Diamond drill hole with trace
- Claim boundary
- ¹⁸² Soil sample location with copper value in ppm

- ≥ 200 ppm Cu
- ≥ 100 < 200 ppm Cu
- ≥ 50 < 100 ppm Cu

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Dwg 4

EXPATRIATE RESOURCES LTD.	
FIGURE 9 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED	
COPPER GEOCHEMISTRY	
ARM PROPERTY	
SCALE 1:5000 0 50 100 150 200 250m	
DRAWN/REVISED BY: AG	PROJECT: FP
FILE: FP\ARM\ACAD\ARSK-CU.DWG	DATE: DECEMBER, 1997



Grid North
 True North
 1' 06"

UTM Zone 9
 NTS 1056/9
 Contour Interval 20m

- 97-AR-01 EXPATRIATE Diamond drill hole with trace
 - 96-AR-01 COMINCO Diamond drill hole with trace
 - Claim boundary
 - Soil sample location with silver value in ppm
-
- ≥ 5 ppm Ag
 - ≥ 2 < 5 ppm Ag
 - ≥ 1 < 2 ppm Ag

098757
DWG (5)

EXPATRIATE RESOURCES LTD.	
FIGURE 10 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED	
SILVER GEOCHEMISTRY	
ARM PROPERTY	
SCALE 1:5000 	
DRAWN/REVISED BY: AG	PROJECT: FP
FILE: FP_ARM_ACAD_ARSK-AG.DWG	DATE: DECEMBER, 1997