

093587

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

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ASSESSMENT REPORT

describing

**GEOLOGICAL MAPPING, SOIL SAMPLING,
GEOPHYSICAL SURVEYS AND DIAMOND DRILLING**

at the

SLAP SHOT PROPERTY

Blue Line 1-20	YB60514-YB60533
21-32	YB61472-YB61483
Rink 1-20	YB61452-YB61471
21-44	YB68869-YB68892
45-144	YB70331-YB70430
Shot 1-36	YB56059-YB56094
37-74	YB61484-YB61521
75-96	YB68893-YB68914
97-110	YB70317-YB70330
111-128	YB68915-YB68932

Latitude 61°23' N; Longitude 130°51' W

on NTS 105G/7 in the

WATSON LAKE MINING DISTRICT, YUKON TERRITORY

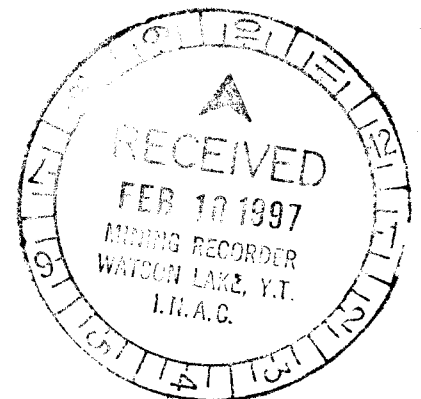
Prepared by

Archer, Cathro & Associates (1981) Limited

for

EXPATRIATE RESOURCES LTD.

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



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 (Quartz)
 amount
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and
 Commissioner
 territory.

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INTRODUCTION

Expatriate Resources Ltd. has a 100% interest in the Slap Shot property which protects previously unstaked targets selected from a regional geochemical data base documenting results of 1973 exploration by a joint venture managed by Archer, Cathro & Associates (1981) Limited (Cathro, 1973). The property consists of 304 claims that were acquired by staking in 1994 and 1995. Grid soil sampling, geological mapping and prospecting were done in the northern part of the property in fall 1995 (Wengzynowski, 1996).

This report summarizes results of 1996 field exploration which included airborne magnetic and electromagnetic surveys, geological mapping, prospecting, claim surveys, soil sampling, hand trenching, linecutting, ground magnetic and Maxmin surveys, and 396 m of diamond drilling in three holes. The work was managed by Archer Cathro and was supervised by the author. Appendix I contains the Author's Statement of Qualifications.

Airborne magnetic and electromagnetic survey results were reported together with results from other properties in "Report on an Electromagnetic and Magnetic Survey" by Aerodat Inc. dated June 13, 1996, copies of which will be filed as a separate document. The diamond drilling, hand trenching and detailed mapping done in the vicinity of the drill holes are described in "Trenching, Drilling and Geologic Mapping on the Shot 15-18 Claims" by Lee C. Pigage, a copy of which is Appendix II. Ground magnetic and Maxmin survey results are reported in "Ground Total Magnetic Field and HLEM Survey of Properties in the Finlayson Allochthon, Yukon Territory" by M.A. Power and C.C. Lee dated December 6, 1996, appropriate sections of which are included in Appendix III.

PROPERTY, LOCATION AND ACCESS

The property is located in southeast Yukon at latitude 61°23'N and longitude 130°51'W on NTS map sheet 105G/7 (Figure 1). It is comprised of 304 contiguous mineral claims registered with the Watson Lake Mining Recorder in the name of Archer, Cathro & Associates (1981) Limited which holds them in trust for Expatriate Resources Ltd. Claim registration data is listed below while locations are shown on Figure 2.

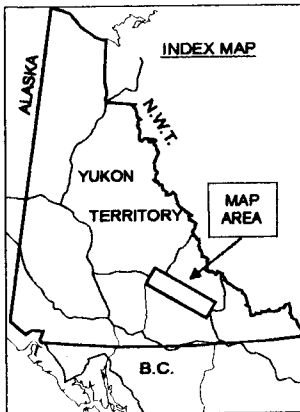
<u>Claim Name</u>	<u>Grant Number</u>	<u>Expiry Date*</u>
Blue Line 1-20	YB60514-YB60533	March 17, 2001
21-32	YB61472-YB61483	March 17, 2001
Rink 1-20	YB61452-YB61471	March 17, 2000
21-44	YB68869-YB68892	March 17, 2000
45-144	YB70331-YB70430	March 17, 2000
Shot 1-36	YB56059-YB56094	March 17, 2007
37-74	YB61484-YB61521	March 17, 2001
75-96	YB68893-YB68914	March 17, 2001
97-110	YB70317-YB70330	March 17, 2001
111-128	YB68915-YB68932	March 17, 2001

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

In 1996 the property was accessed by helicopter from Expatriate's base camp on Finlayson Lake (Km 232 on the Robert Campbell Highway). The property lies 30 km southwest of the base camp and 238 km northeast of Whitehorse. Helicopter support was provided by a Bell 206B Jet Ranger and Aerospatiale 350B, both of which were contracted from Kluane Helicopters of Haines Junction, Yukon. The helicopters were stationed at Expatriate's base camp for the summer.

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

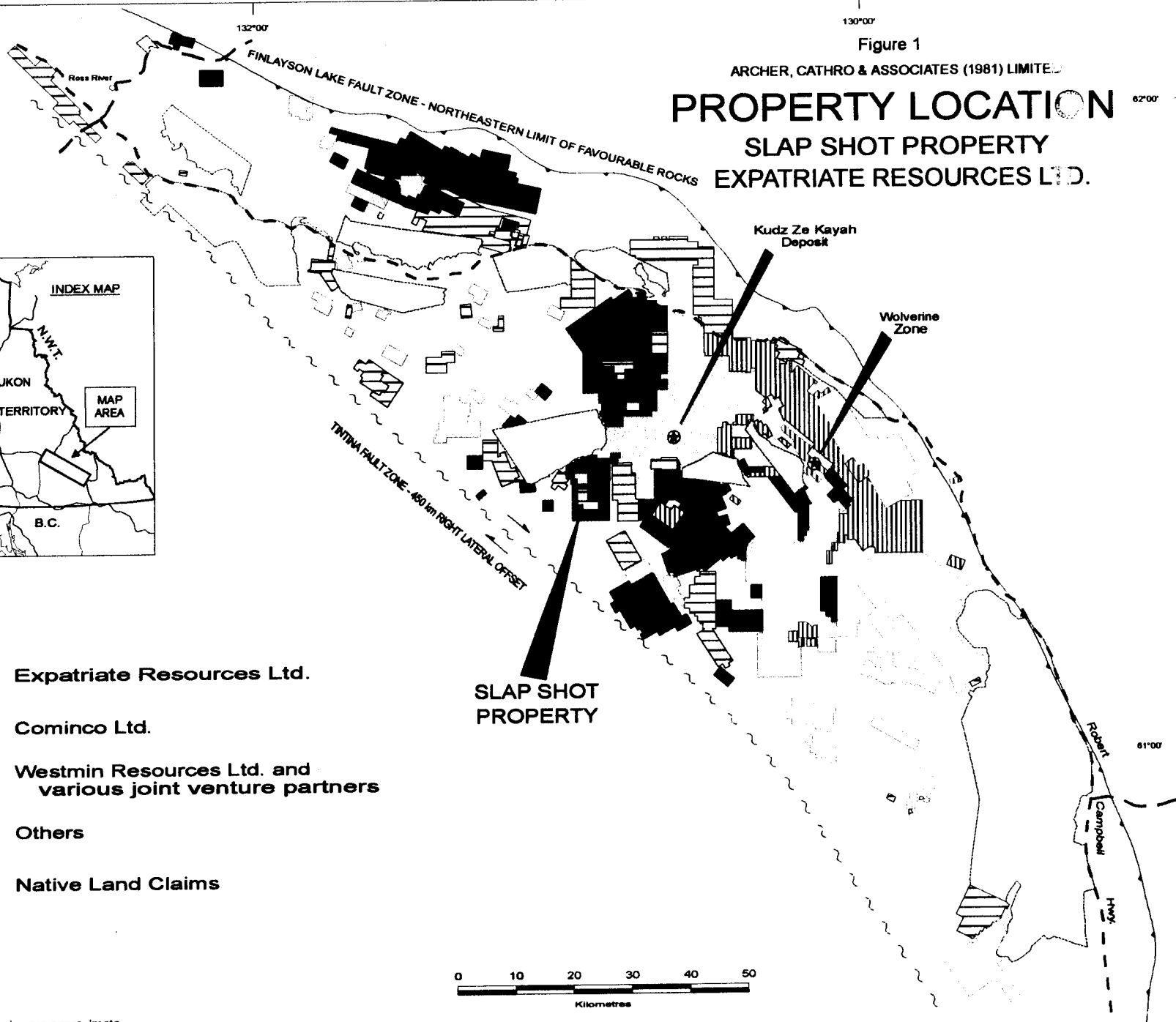
Figure 1
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
PROPERTY LOCATION
SLAP SHOT PROPERTY
EXPATRIATE RESOURCES LTD.



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



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



REGIONAL GEOLOGY

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

Regional mapping of the Finlayson Lake area was completed by the Geological Survey of Canada (GSC) in the mid to late 1970's (Tempelman-Kluit, 1977, 1979). More recent regional studies have been published by Mortensen and Jilson (1985) and Mortensen (1992). The following discussion of the regional geology (Figure 4) is based partly on the published work and partly on unpublished mapping completed in 1996 (Tempelman-Kluit, personal communication, 1996).

The Yukon-Tanana Terrane consists largely of Paleozoic continental margin and/or arc stratigraphy deposited on a continental basement of uncertain origin (Mortensen, 1992). The Yukon-Tanana Terrane in the Finlayson Lake area contains three major packages, collectively termed the Layered Metamorphic Sequence. The lowermost unit consists of garnet-mica schist with interbanded marbles, calc-silicates and calcareous schists near the top. The middle unit is a carbonaceous quartzite, schist or phyllite with rare conglomerates and locally extensive felsic and mafic volcanic interbands. Radiometric dating of the felsic metavolcanics in the Finlayson Block has consistently resulted in Late Devonian to Mississippian crystallization ages. Immediately

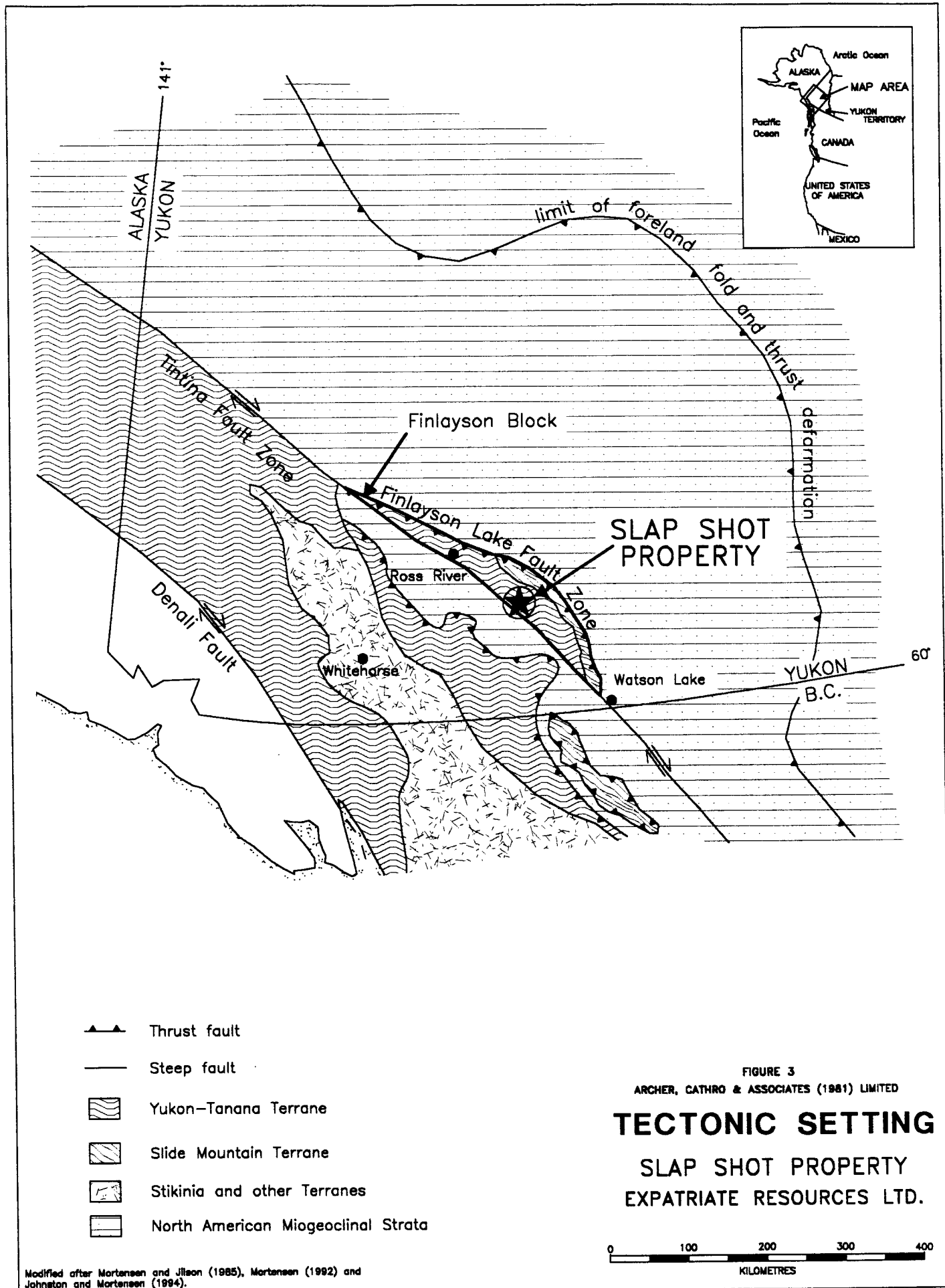


FIGURE 3
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
TECTONIC SETTING
 SLAP SHOT PROPERTY
 EXPATRIATE RESOURCES LTD.

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

130°00'

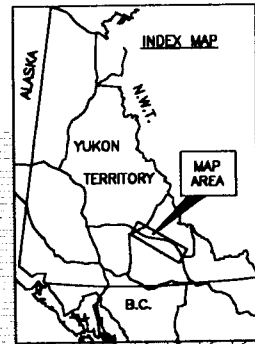
FIGURE 4

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

REGIONAL GEOLOGY

SLAP SHOT PROPERTY
EXPATRIATE RESOURCES LTD.

62°00'



North American Miogeoclinal

Pre-Triassic sedimentary and volcanic

Slide Mountain Terrane

Chert, ultramafic, greenstone, metavolcanics, and carbonate rocks

Yukon-Tanana Terrane

Paleozoic Metaplutonic Rocks

Paleozoic Layered Metamorphic Sequence

Units common to all three terranes

Young Volcanic Rocks

Mesozoic Plutonic Rocks

Mesozoic Clastic Rocks

Geological contacts

Steep fault

Thrust fault

Properties held by Expatriate Resources Ltd.

TINTINA FAULT ZONE - 450 km RIGHT LATERAL OFFSET

FINLAYSON LAKE FAULT ZONE - NORTHEASTERN LIMIT OF FAVORABLE ROCKS

Kudz Ze Kayah Deposit

SLAP SHOT PROPERTY



61°00'

Modified after Martensen and Jiles (1985)

south of Finlayson Lake, large isolated outcrops of marble and quartzite which are poorly dated as Early Pennsylvanian to Early Permian (Tempelman-Kluit, 1979) form the uppermost unit of the Yukon-Tanana Terrane.

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

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

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

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

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

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

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

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

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

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

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

REGIONAL MINERALIZATION

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

The Kudz Ze Kayah (ABM) Deposit lies within Yukon-Tanana Terrane near the centre of the block (Cominco Exploration, 1995; Whiteway, 1995). It is a VMS deposit hosted by an overturned assemblage of felsic pyroclastics, aphanitic massive rhyolites and metasiliclastic rocks belonging to the middle unit of the Layered Metamorphic Sequence. Although both the sulphides and wallrocks are highly strained and exhibit pervasive schistosity, compositional layering in the vicinity of the deposit is relatively undeformed with a consistent, shallow northerly dip. Sphalerite, chalcopyrite and galena are the main economic minerals while the gangue includes various mixtures of magnetite, barite, pyrrhotite, pyrite and carbonate. The deposit averages about 18 m thick and has been traced 700 m along strike and up to 400 m downdip. Open pit mineable ore reserves are reported to be 11 million tonnes grading 5.9% zinc, 0.9% copper, 1.5% lead, 130 g/t silver and 1.3 g/t gold (Schultze, 1996). Preliminary studies suggest that satisfactory

lead, zinc and copper concentrates can be produced using conventional flotation processes (Cominco Exploration, 1995). The mineralization responds well to magnetic and electromagnetic surveys but geochemical response is somewhat erratic because the entire deposit is covered by 2 to 10 m of glacial till.

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

REGIONAL GEOCHEMISTRY

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

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

spaced sampling outlined many more areas of anomalous geochemical response than the government survey. Almost all of the known volcanogenic occurrences showed up as anomalies on this survey, including Kudz Ze Kayah and Wolverine.

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

GEOCHEMICAL BACKGROUNDS AND ANOMALOUS THRESHOLDS

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

The Slap Shot property was staked to protect a target selected from the Archer Cathro data. Peak values from 1973 sampling at Slap Shot were 362 ppm copper, >4000 ppm lead, 1200 ppm zinc and 9 ppm molybdenum.

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

REGIONAL GEOPHYSICS

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

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

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

PROPERTY GEOLOGY AND MINERALIZATION

General property geology is illustrated on Figure 5 while detailed geology in the vicinity of the mineral occurrence, which was trenched and diamond drilled in 1996, appears in Appendix II.

Four main lithologic units have been identified on the property and are described in the following paragraphs. The two oldest are metamorphosed sedimentary and volcanic rocks belonging to the middle unit of the Layered Metamorphic Sequence. The other units are both intrusive, with the older belonging to the Paleozoic Metaplutonic Suite and younger to the Mesozoic Plutonic Suite. Foliations and compositional layering within the metamorphosed units are generally parallel and exhibit southerly or easterly strikes with shallow northerly or westerly dips. The only large structures mapped were two northeasterly-striking and northwesterly-dipping thrust faults cutting across the northern part of the property.

Well foliated graphitic quartzite is light grey and slightly vitreous on fresh surfaces and weathers dark grey. Foliation surfaces are lustrous due to the presence of fine- to medium-grained muscovite. Occasional effervescent response is produced by acid, likely because of calcite on hairline fractures. Though generally fine grained, occasional well rounded millimetre-scale quartz grains were noted. Interlayered with the quartzite are medium-grained amphibolitic greenstone, and its more metamorphosed equivalent, amphibole-chlorite schist, both of which probably represent altered mafic volcanics. Fine, randomly disseminated pyrite grains are common throughout the graphitic quartzites.

A series of prominent, orange weathering gossans are developed along a ridge in the southwestern corner of the property. Rocks in the vicinity of the gossans are atypical of the unit and consist predominantly of micaceous quartzites that are likely metamorphosed felsic volcanics. The gossans contain 1 to 2% disseminated pyrite with higher concentrations occurring along foliation planes. Traces of pyrrhotite and chalcopyrite were also noted. Numerous rock samples were collected and shipped to Chemex Labs Ltd. where they were analyzed for 32 elements using the Induced Coupled Plasma (ICP) technique. Some samples were also analyzed for gold. Sample locations are shown on Figure 6 while Certificates of Analysis appear in Appendix IV. Peak values from quartzite in the vicinity of the gossans include 561 ppm copper, 4240 ppm zinc, 4740 ppm lead, 5.2 ppm silver and 9060 ppm arsenic. The most anomalous sample (N110314) was collected about 800 m south of the gossans from an arsenopyrite-rich float boulder. This foliated, siliceous specimen returned 10.39 g/t gold.

Stratigraphically below the quartzite unit lies well foliated muscovite-biotite gneiss. It is composed of 10 to 20% total micas in a feldspathic groundmass. A sample of this rock returned only weakly elevated values for some metals.

A sheared hornblende granodiorite and quartz monzonite is the lowermost unit mapped on the property. It exhibits extreme strain in the form of a pervasive schistosity. Crosscutting and foliaform quartz veins are found in this unit in the northern part of the claim block (Wengzynowski, 1996).

Biotite ± muscovite granite intrudes other units near the western property boundary. It is relatively undeformed and is unmineralized.

PROPERTY GEOCHEMISTRY

General

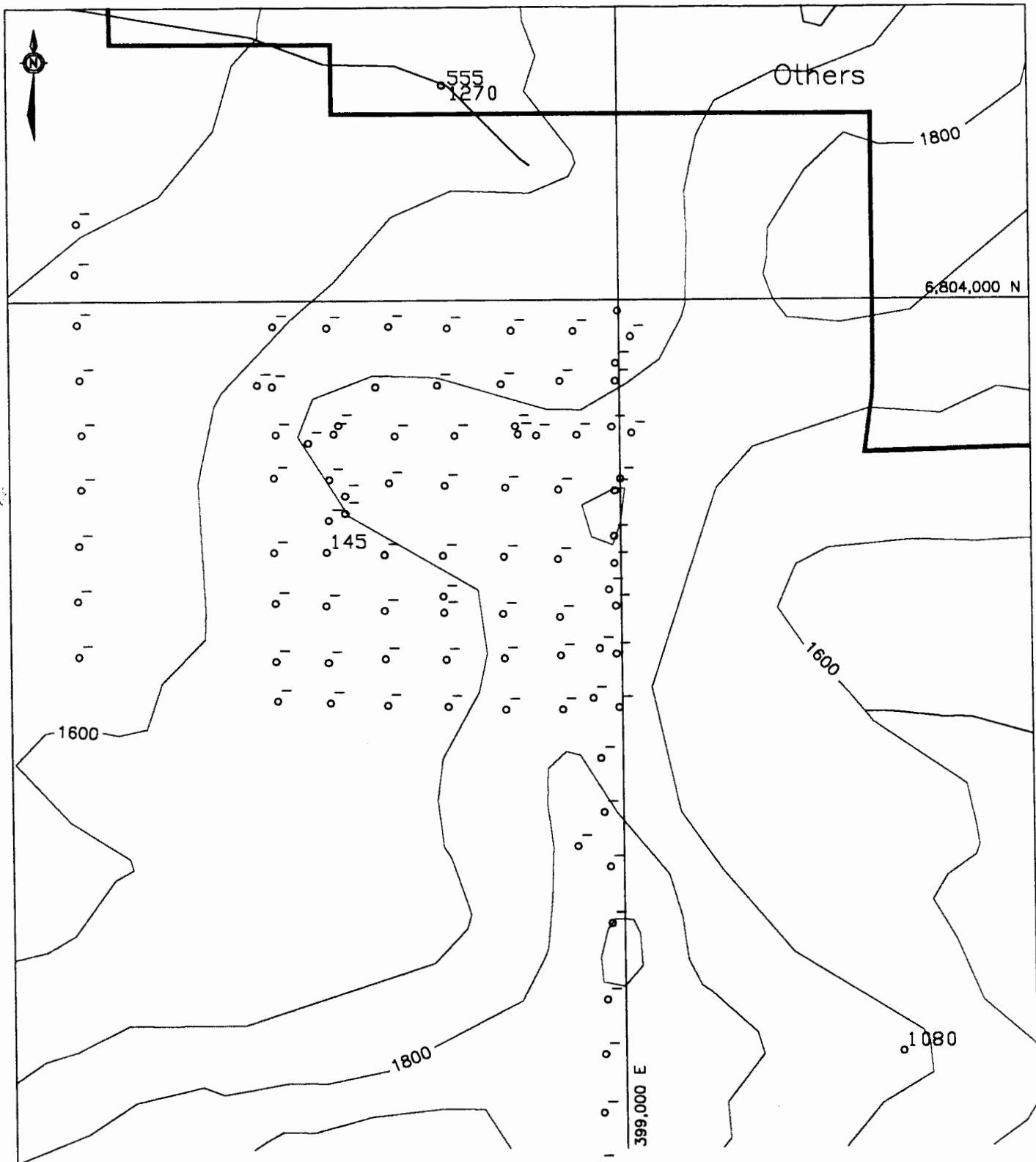
Grid soil sampling was done along the southern and western edges of the 1995 grid and over a 700 by 600 m area centred on the gossans in the southwest corner of the property, while reconnaissance samples were collected along claim lines throughout the property. Grid samples were taken at 100 m intervals along lines spaced 100 m apart. Baselines for the grids were slope corrected and are marked every 100 m with 1 m high wooden lath. Reconnaissance soil samples were collected at approximately 100 m intervals. All sample locations are indicated by 0.5 m lath bearing aluminum tags inscribed with sample number and, where applicable, the grid coordinates.

All samples were sent to Chemex Labs where they were dried, sieved to 175 microns and then analyzed for 32 elements using the ICP technique. Selected samples were later reanalyzed for gold. Sample locations are shown on Figure 6 while Certificates of Analysis appear in Appendix IV.

Results

Figures 7, 8 and 9 illustrate silver, zinc and lead values for the entire property while Figure 10 shows gold results from samples collected in the vicinity of the gossans in the southwest corner of the claim block.

The samples taken on the periphery of the 1995 grid produced a number of anomalous values, especially for lead and zinc. However, the response is generally less continuous and more subdued than results from the centre of the grid. The highest value came from samples taken



- Sample location with value less than detection limit
- ¹⁴⁵ Sample location with gold value in ppb
- ≥ 20 ppb Au
- ≥ 10 < 20 ppb Au
- ≥ 5 < 10 ppb Au

FIGURE 10
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
GOLD GEOCHEMISTRY
 SLAP SHOT PROPERTY
 EXPATRIATE RESOURCES LTD.
 Scale 1:10,000
 0 50 100 200 300 400 500 m

downslope from the mineral occurrence that was drill tested in 1996 with disappointing results. Although most of the anomalies have not yet been explained, they are not likely to be derived from significant VMS mineralization because mapping indicates the area is predominately underlain by metaplutonic rocks.

Grid and reconnaissance samples taken in the vicinity of the gossans returned strongly anomalous values for several metals, including copper, lead, zinc, molybdenum and silver. Peak values for copper (900 ppm), lead (4740 ppm) and zinc (4621 ppm) are all much higher than those obtained from the northerly grid and are some of the highest obtained to date in the Finlayson Lake area. The anomalies extend to the edges of the grids and onto some nearby reconnaissance lines. Including results from the reconnaissance sampling, the target is approximately 2 km in diameter. Although most samples on the grid returned less than detection limit gold analyses, one sample near the centre ran 145 ppb. Even higher gold values were obtained from two stream sediment samples taken 400 m west of the grid (1270 and 555 ppb) and from a patch of rusty soil 800 m to the southeast (1080 ppb). Samples from both of these locations were also strongly anomalous for the other VMS indicator metals, especially copper. The arsenopyrite-bearing float boulder that returned 10.39 g/t gold was collected 400 m south of the grid and no soil samples were taken downhill from this location.

The widely spaced reconnaissance sampling identified numerous secondary targets, most consisting of one to two samples that are weakly to moderately anomalous for one or more of the VMS indicator metals. By far the strongest response from the reconnaissance sampling came from samples taken adjacent to the two grids.

PROPERTY GEOPHYSICS

Airborne geophysical surveys conducted in spring 1996 by Aerodat indicate that the property as a whole has low magnetic levels, with the highest amplitude anomaly in the northwestern corner. The surveys also show that the underlying rocks are generally poor electromagnetic conductors. Interpretation of the results indicates nine weak conductors, four of which have a weak magnetic correlation. Three of the geophysical targets are located in the vicinity of the geochemical anomalies and gossans in the southwestern corner of the property.

Ground geophysical surveys were limited to a few test lines over the mineral occurrence in the northwestern part of the property that was drill tested in 1996. Magnetic and electromagnetic response was subdued and no anomalies were identified.

CONCLUSIONS

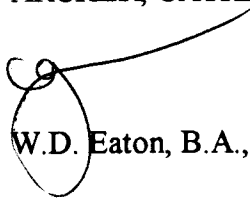
Exploration on the Slap Shot property in 1996 produced mixed results. Geological mapping in the northern part of the property indicates that most of the area of anomalous response is underlain by unfavourable metaplutonic rocks. These results were supported by the drilling and trenching which demonstrated that the main showing in the area is either a foliated vein or small roof pendant within metamorphosed pluton.

Reconnaissance work on the remainder of the property identified a number of other geochemical targets, the best of which is centred on prominent gossans in the southwestern corner of the property. This target was partially covered by a small grid. The area is underlain by favourable metavolcanic rocks and exhibits a large polymetallic soil geochemical anomaly that is supported by airborne geophysical conductors.

Results suggest that the gossan target is an excellent VMS prospect and it is recommended that it be further explored by additional grid geochemical surveys in conjunction with detailed geological mapping, thorough prospecting and hand trenching. Once the target is better defined, ground geophysical surveys are also recommended.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED


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

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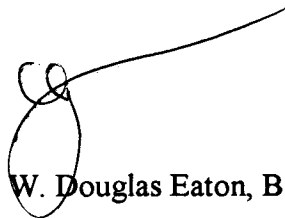
APPENDIX I

AUTHOR'S STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

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

1. I graduated from the University of British Columbia in 1980 with a B.Sc. majoring in Geological Sciences.
2. From 1971 to present, I have been actively engaged in mineral exploration in British Columbia and Yukon Territory and on June 1, 1981, I became a partner in Archer, Cathro & Associates (1981) Limited.
3. I have personally participated in or supervised the field work reported herein and have interpreted all data resulting from this work.

A handwritten signature in black ink, consisting of a large loop followed by a horizontal line extending to the right.

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

APPENDIX II

**TRENCHING, DRILLING AND GEOLOGIC MAPPING
ON THE SHOT 15-18 CLAIMS
BY LEE C. PIGAGE
OCTOBER, 1996**

REPORT

describing

TRENCHING, DRILLING, and GEOLOGIC MAPPING

on the

SHOT 15 - 18 CLAIMS

Shot 15 - 18 YB56073 - YB56076

Latitude 61°25'N; Longitude 130°52'W

NTS 105G/7

in the

**WATSON LAKE MINING DISTRICT
YUKON TERRITORY**

Prepared by

Archer, Cathro & Associates (1981) Limited

for

EXPATRIATE RESOURCES LTD.

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

October, 1996

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SUMMARY

During the 1996 field season an integrated exploration program consisting of airborne geophysics, ground geophysics, regional gridded soil sampling and claim tagging, detailed gridded soil sampling, geologic mapping, prospecting, trenching, and diamond drilling was conducted on the property. Included within this program was a hand trench 23 m long and 3 BTW diamond drill holes for a total length of 396.24 m completed on a northwest trending ridge at the north end of the property.

Detailed geological mapping on the northern part of the Slapshot property has outlined a gently north dipping package of metasediments intruded by a muscovite-quartz granite. Sediments correspond to the lower and middle units of the Yukon-Tanana terrane and are lithologically similar to the Kechika group and Nasina assemblage.

The hand trench is located entirely within a muscovite-quartz-feldspar gneiss which has been interpreted as an intrusive granite. Mineralization in the trench consists of foliaform bands containing disseminated pyrite, chalcopyrite, galena, and sphalerite. Locally chalcopyrite is weathered to a malachite staining. Also present are steep crosscutting quartz veins with coarsely crystalline galena.

In the drill holes mineralization consists of fine to coarsely crystalline sulphides restricted dominantly to crosscutting white quartz veins. Pyrite is the dominant sulphide present. Other sulphides in the veins occurring in lesser amounts include arsenopyrite, pyrrhotite, sphalerite, chalcopyrite, and galena. No evidence for stratiform or foliaform mineralization was noted in the core.

Low analytical values and restriction of sulphides to steep, crosscutting quartz veins makes the northern part of this property an unappealing target. The foliaform mineralization in the trench may represent "leakage" of sulphides from more prominent vein systems. Sparse mineralized float encountered away from the trench is probably related to similar style vein sulphide mineralization occurring in different quartz veins and not to a single foliaform sulphide body.

No further work is recommended for this part of the Slap Shot property.

INTRODUCTION

The Slap Shot property consists of 128 SHOT mineral claims, 144 RINK mineral claims, and 32 BLUE LINE mineral claims owned 100% by Expatriate Resources Ltd. The contiguous claims were staked to protect numerous soil sample sites from a 1973 regional joint venture exploration program managed by Archer, Cathro & Associates Limited (Cathro, 1973); the sample values were moderately to strongly anomalous in lead, zinc, and copper.

The Slap Shot property was considered to be favourable for VMS (volcanogenic massive sulphide) type mineralization. Field work conducted in 1995 outlined large areas of weak to strong lead, zinc, and copper soil geochemical anomalies on the northern portion of the property (Wengzynowski, 1996). Float specimens resulted in maximum analyses of 5.20% zinc, 9.34% lead, 8.33% copper, and 234 g/t silver. No work was done at that time on the southern part of the property.

During the 1996 field season an integrated exploration program consisting of airborne geophysics, ground geophysics, regional gridded soil sampling and claim tagging, detailed gridded soil sampling, geologic mapping, prospecting, trenching, and diamond drilling was conducted on the property. This report summarizes the results of the 1996 geological mapping, trenching, and drilling programs which were completed on the Shot 15-18 claims. The author supervised the geological mapping and drilling work described in this report; a statement of qualifications is included as Appendix I.

LOCATION and ACCESS

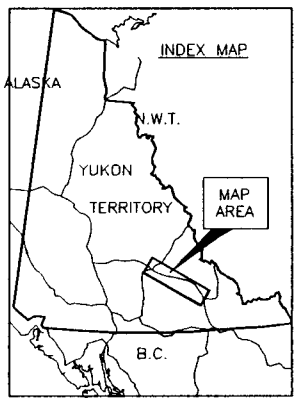
The Slap Shot property is located in southeast Yukon at latitude 61° 25' N and longitude 130° 52' W (Figure 1) in the Watson Lake Mining District. It consists of 304 contiguous mineral claims registered in the name of Archer, Cathro & Associates (1981) Limited which holds them in trust for Expatriate. Table 1 lists the pertinent claim information.






The claims are situated in the Pelly Mountains immediately south of a broad glacial valley in NTS map sheet 105G/7 (Figure 2). Elevations range from 1240 m to 2160 m above sea level. Topographic relief is gentle in the valley bottoms below 1400 m. Above 1400 m slopes are steep to cliff forming with an average dip of 30°.

Creeks draining the property flow into Big Campbell Creek. Big Campbell Creek flows into the Pelly River which is part of the Yukon River drainage. Pleistocene valley glaciation resulted in till and alluvial veneers at lower elevations. Coarse talus, scree, and rock glaciers are common at higher elevations.

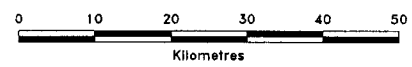


Figure 1
 Archer, Cathro & Associates (1981) Limited
PROPERTY LOCATION
SLAP SHOT
 EXPATRIATE RESOURCES LTD.



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

SLAP SHOT PROPERTY



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

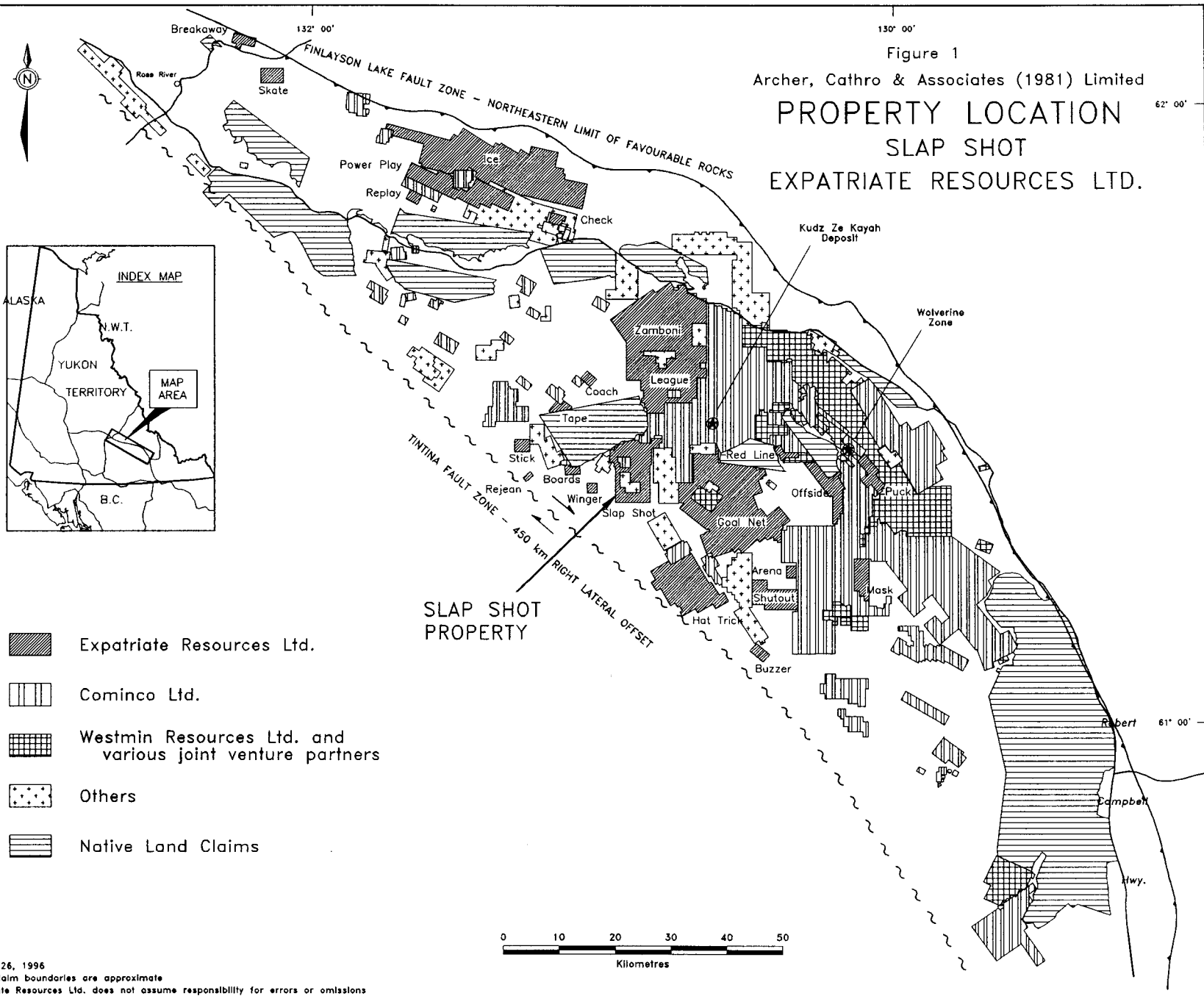
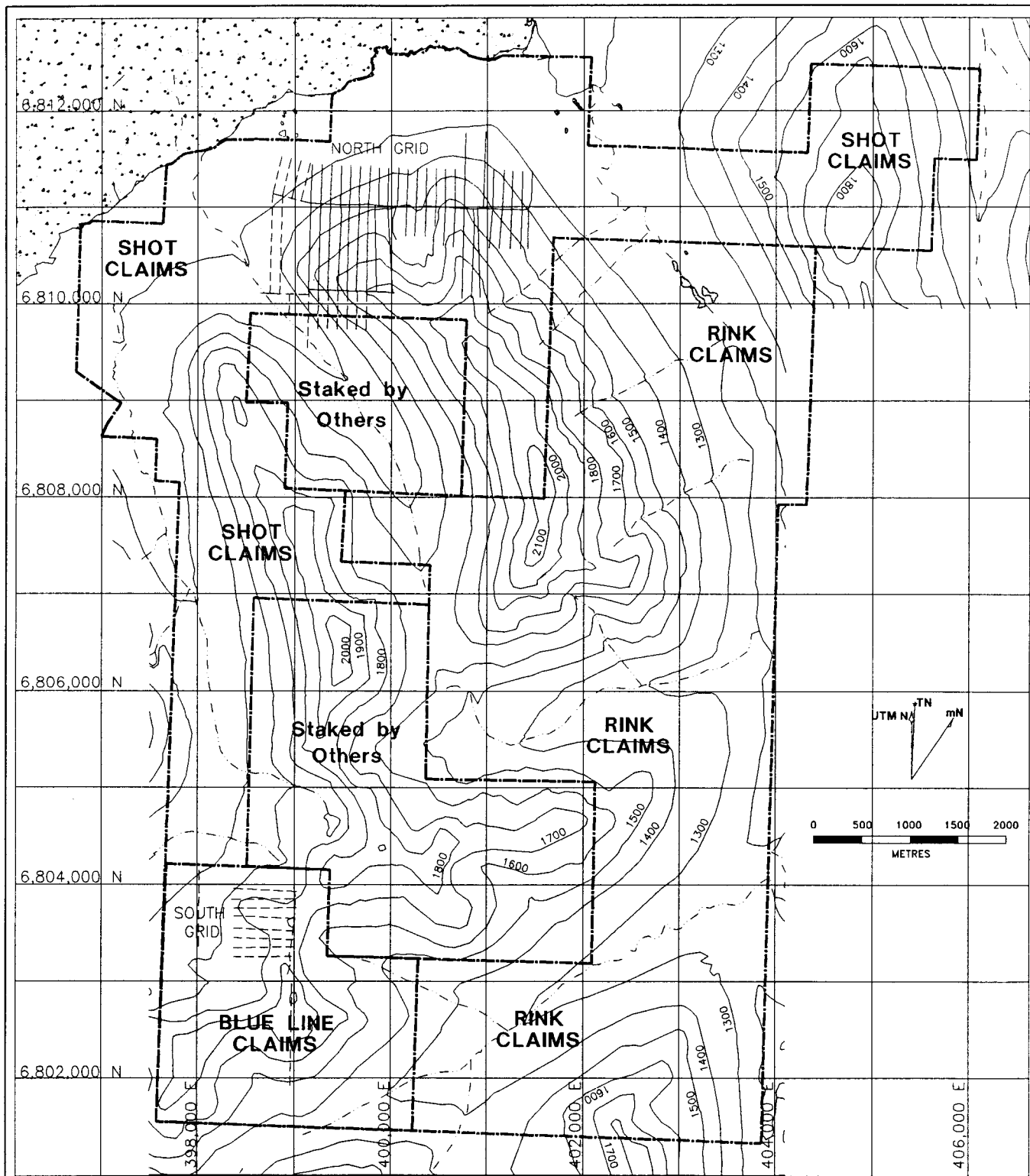


Table 1. Claim Registration Information

Claim Name	Grant Number	Expiry Date*
Blue Line 1-20	YB60514-YB60533	March 17, 2001
Blue Line 21-32	YB61472-YB61483	March 17, 2001
Rink 1-20	YB61452-YB61471	March 17, 2000
Rink 21-44	YB68869-YB68892	March 17, 2000
Rink 45-144	YB70331-YB70430	March 17, 2000
Shot 1-36	YB56059-YB56094	March 17, 2003
Shot 37-74	YB61484-YB61521	March 17, 2001
Shot 75-96	YB68893-YB68914	March 17, 2001
Shot 97-110	YB70317-YB70330	March 17, 2001
Shot 111-128	YB68915-YB68932	March 17, 2001

* Expiry date includes work filed for assessment credit but not yet accepted.



Native land claims



1995 soil grid line



1996 soil grid line



Claim margin

Figure 2

Archer, Cathro & Associates (1981) Limited

**CLAIM LOCATION
SLAP SHOT PROPERTY**

EXPATRIATE RESOURCES LTD.

SCALE: 1:60,000 FILE: SLCLMLOC.DWG

DRAWN: LCP PROJ: FP DATE: 23/10/1996

The property straddles the treeline. Vegetation consists of stunted spruce, alder, and buckbrush at lower elevations and mosses, lichen, and alpine grass at higher elevations.

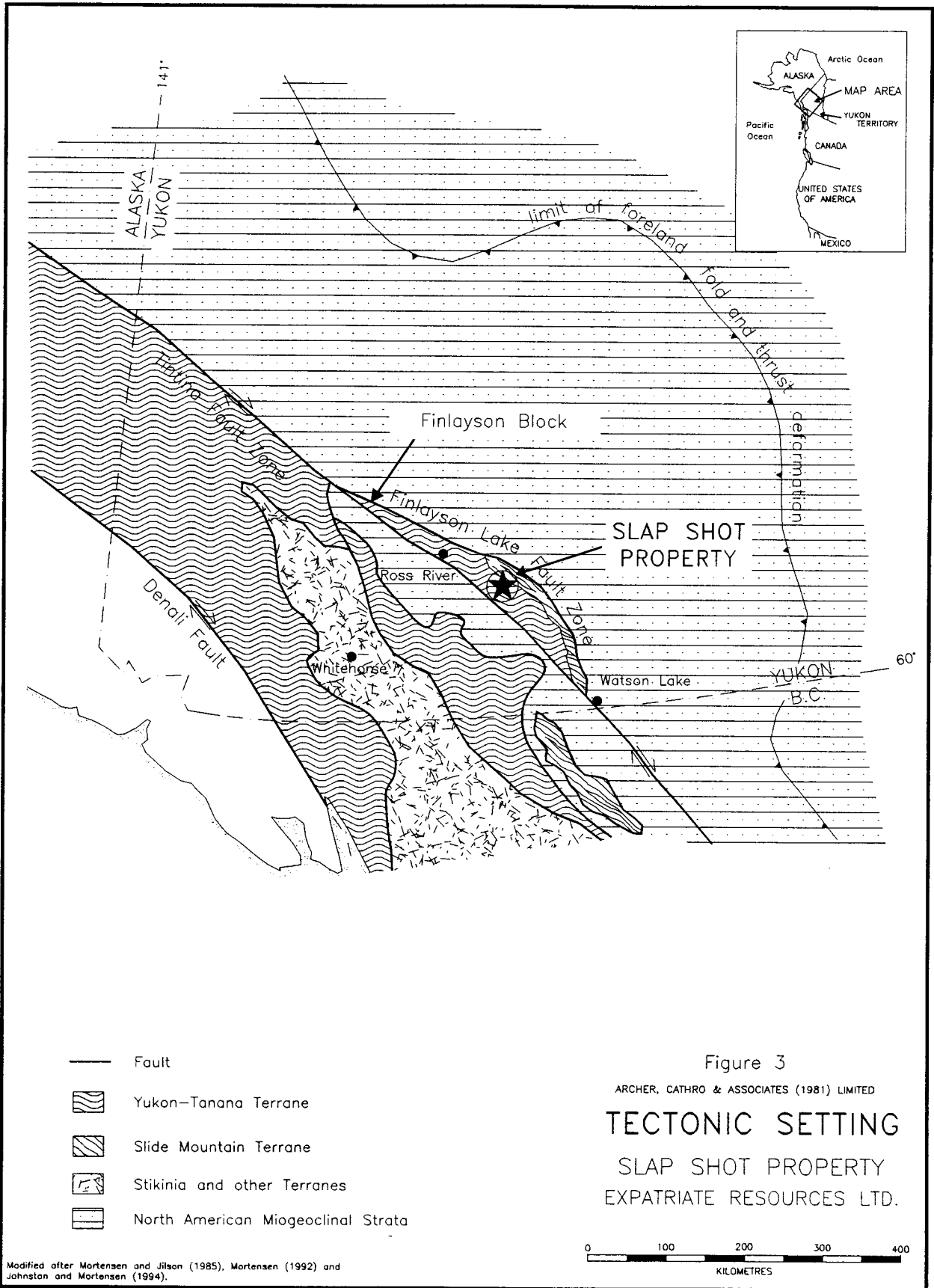
During the 1996 field season access to the property was by contract helicopter from the base camp located at the southeast end of Finlayson Lake. The Finlayson Lake base camp was situated 33 km northeast of the property. The Slap Shot property is located 16 km southwest of the Cominco Kudz Ze Kayah deposit and exploration camp.

REGIONAL GEOLOGY

The Slap Shot property is located within the Finlayson Block, a 380 km by 60 km area comprised of 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 northeast margin of the block is the Finlayson Lake Fault Zone (FLFZ) a complex zone of steep and shallow faults related to transpressive suturing. The southwest 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 area was completed by the Geological Survey of Canada in the mid to late 1970's (Tempelman-Kluit, 1977, 1979). More recent regional studies have been published by Mortensen and Jilson (1985) and Mortensen (1992). The following discussion of the regional geology (Figure 4) is based partly on the published work and partly on unpublished geologic mapping completed in 1996 (Tempelman-Kluit, personal communication, 1996).

The Yukon-Tanana terrane is comprised largely of Paleozoic continental margin and/or arc stratigraphy deposited on a continental basement of uncertain origin (Mortensen, 1992). The Yukon-Tanana terrane in the Finlayson Lake area contains three major sequences. The lowermost unit consists of garnet-mica schist with interbanded marbles, calc-silicates, and calcareous schists near the top. The middle unit is a carbonaceous quartzite, schist, or phyllite with rare conglomerates and locally extensive felsic and mafic volcanic interbands. Marble and quartzite constitute the uppermost unit. Radiometric dating of the felsic metavolcanics in the Finlayson Block has consistently resulted in late Devonian to Mississippian crystallization ages. The upper unit is dated with fossils as Early Pennsylvanian to early Permian (Tempelman-Kluit, 1979)



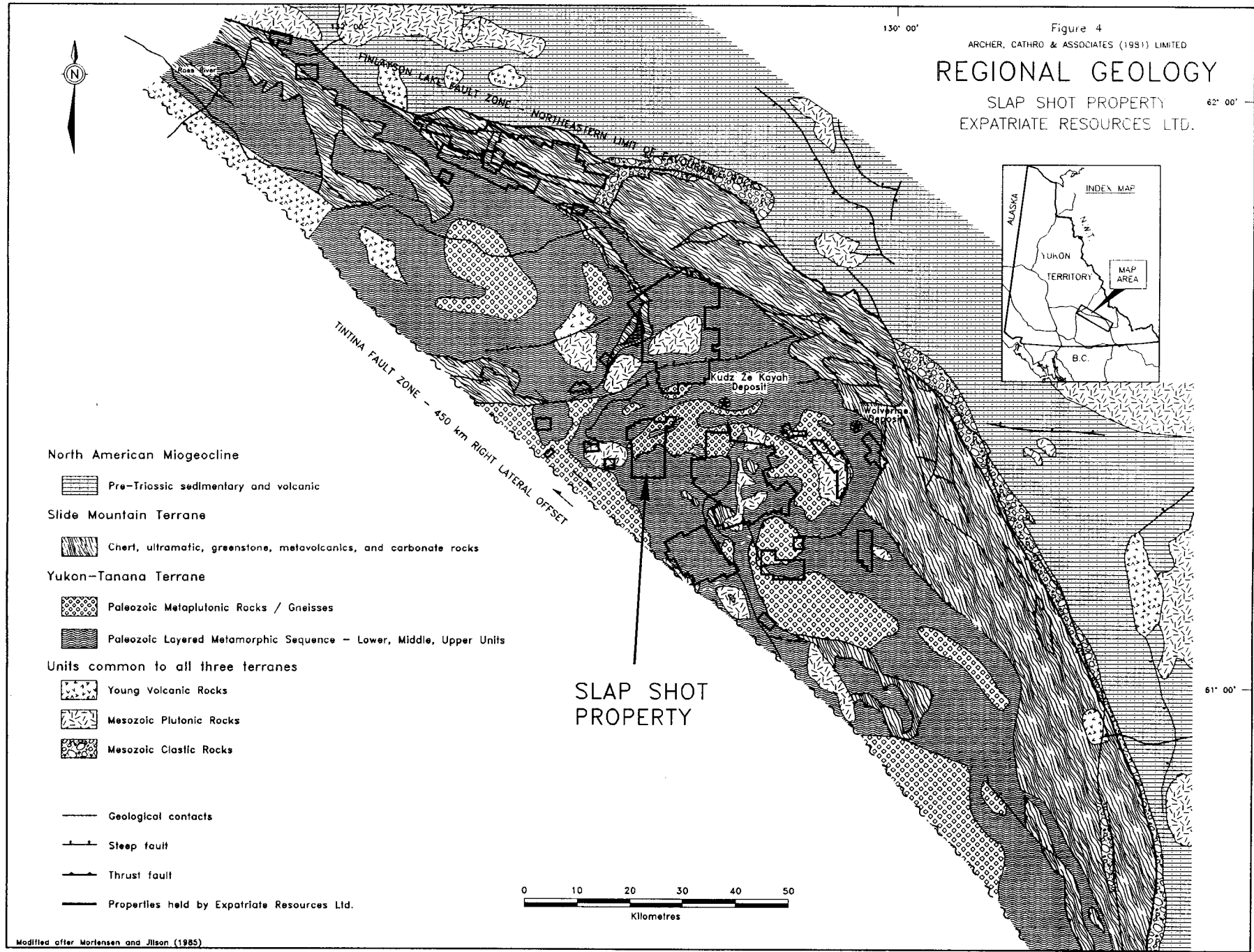
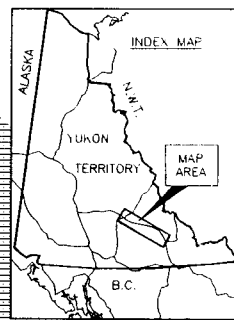


Figure 4
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
REGIONAL GEOLOGY
 SLAP SHOT PROPERTY
 EXPATRIATE RESOURCES LTD.



North American Miogeocline

Pre-Triassic sedimentary and volcanic

Slide Mountain Terrane

Chert, ultramafic, greenstone, metavolcanics, and carbonate rocks

Yukon-Tanana Terrane

Paleozoic Metaplutonic Rocks / Gneisses

Paleozoic Layered Metamorphic Sequence - Lower, Middle, Upper Units

Units common to all three terranes

Young Volcanic Rocks

Mesozoic Plutonic Rocks

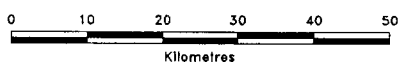
Mesozoic Clastic Rocks

Geological contacts

Sleep fault

Thrust fault

Properties held by Expatriate Resources Ltd.



Modified after Mortensen and Jilson (1985)

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; the middle carbonaceous assemblage is correlated with the offshore, Siluro-Devonian Nasina quartzite assemblage. The felsic volcanics are most similar to the 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. More recently Tempelman-Kluit (personal communication, 1996) considers these gneisses to be at least in part a replacement unit 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 structural 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 northeast edge of the Finlayson block, but are also found throughout it.

Younger units unconformably overlie units from Slide Mountain, Yukon-Tanana, and North America 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 includes 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 be mapped rarely in the field. In most cases bedding and earlier fabrics are transposed into near parallelism with this dominant fabric. Later crenulation cleavages are present only locally. Some of the Cretaceous intrusions have a mild deformation fabric; others are massive and do not contain a foliation.

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

Metamorphic grades range from lower greenschist facies to middle amphibolite facies. Contact hornfels occur around plutonic units 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 episodic has not been fully verified at present.

The discovery of the Kudz Ze Kayah and Wolverine volcanogenic massive sulphide deposits within the Finlayson Block in the last few years (Johnston and Mortensen, 1994) has re-focused 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. The Yukon Minfile (DIAND, 1995) of mineral occurrences contains some twenty-one reported mineral occurrences suspected to be volcanogenic in origin.

PREVIOUS WORK

Published regional airborne magnetic surveys for the Finlayson Lake map sheet (105G) are flat over the Slap Shot property (DMTS, 1961).

Published regional geochemical data for the Finlayson Lake map sheet (105G) is limited to reconnaissance scale stream sediment sampling conducted by the Geological Survey of Canada (Hornbrook and Friske, 1988). The sampling was completed at an approximate density of one sample per 10 sq km. Each sample was analyzed for twenty elements including copper, lead, zinc, silver, and arsenic. Five samples from the database were collected from the northern part of the Slap Shot

property (samples 1302, 1304, 1305, 1402, 1403); the samples were not anomalous.

Expatriate was able to supplement the published reports with private data summarizing the results of a 1973 regional exploration program managed by Archer, Cathro & Associates Limited (Cathro, 1973). The program included about 5000 soil and stream sediment samples collected at a density of approximately one sample per square kilometre. All samples were analyzed for lead, zinc, copper, and molybdenum. Several samples within the Slap Shot area were moderately to strongly anomalous for lead, zinc, and copper.

During the interval August 30 - September 10, 1995 a three person crew was mobilized into the Slap Shot property to complete geological mapping, prospecting, and gridded soil geochemical sampling on the northern part of the property (Wengzynowski, 1996). Geologic mapping indicated the claims were underlain by a sequence of quartz-chlorite-muscovite schists, quartz-sericite ± biotite schists, baritic tuff, felsic metavolcanics, and quartz augen muscovite-biotite gneiss. The units were considered to be favourable for volcanogenic massive sulphide deposits.

During the 1995 program 275 soil samples were collected at 100 m intervals on a flagged grid. All samples were analyzed by ICP for 32 elements at Chemex Labs Ltd. in North Vancouver. The soil samples outlined large areas with weakly to strongly anomalous values for lead, zinc, and copper. Arsenic anomalies coincided with strong lead anomalies. All soil anomalies extended off the grid.

Prospecting in the area of the soil anomalies discovered a mineralized showing with variable amounts of foliaform chalcopyrite, sphalerite, galena and pyrite within a quartz-sericite ± biotite schist. The majority of mineralized samples were strongly oxidized and leached. Other mineralization in the same area consisted of galena-arsenopyrite-quartz veins with an average orientation of 025°/65°NW.

1996 FIELD PROGRAM

An airborne geophysical survey was completed over the Slap Shot property by Aerodat Inc. during the time interval February 25 - April 16, 1996. Principal geophysical sensors included a five frequency electromagnetic system and a high sensitivity cesium vapour magnetometer. Line spacing for the survey was 200 m; major lines were flown in a north-south direction and tie lines were flown in an east-west direction. A total of 401 line-km was flown over the property. The airborne survey over Slap Shot did not identify any significant magnetic or electromagnetic anomalies in the northern part of the claims. Details of the operating conditions and resulting maps are contained in Woolham (1996).

In early June, 1996 (June 4-6) a small crew completed a hand trench on the mineralized showing discovered at the end of the 1995 field program. The trench uncovered a 6.5 m thick foliaform zone containing disseminated pyrite, galena, sphalerite, and chalcopyrite in a coarse grained quartz-muscovite schist. The upper part of the trench also contained crosscutting white quartz veins with coarse cubic galena.

During the interval June 8-14, 1996, a 4 person field crew was mobilized to a fly camp located in the stream valley on the west edge of the 1995 soil grid. The crew extended soil sampling and prospecting to the west from the existing 1995 soil grid. Some of the soil lines were cut anticipating ground geophysical surveys.

Amerok Geosciences Ltd. completed 2.8 line-km of ground geophysics (1.1 km Maxmin and 1.7 km ground magnetometer) in two test lines (BL77E and L78E) on the 1995 and 1996 grids during the interval June 16-17, 1996 (Lee and Power, in preparation). The results of the test lines were discouraging, and no further work beyond the test lines was completed.

Between June 18-July 3, 1996 a Craelius diamond drill was mobilized onto the Slap Shot property to test the mineralized showing discovered in 1995 and trenched in June, 1996. At the same time limited geological mapping was completed to help delineate the drill targets. A total of 396.24 m was drilled in 3 BTW diamond drill holes. Two holes were vertical and one was inclined at -50° to the southwest (azimuth 245°). All collar locations have been marked in the field with 4x4 posts labelled with inscribed metal tags. The drill sites were inspected to verify that all garbage was removed from the property. Drill core is being temporarily stored in the outdoor yard of E. Caron Diamond Drilling Ltd., Whitehorse, Yukon.

The drill hole data was entered into spreadsheets in the field and later transferred to a PC-XPLOR database for plotting vertical sections and plans. Drill logs for the 1996 holes are contained in Appendix II. Certificates of analysis for the split intervals are contained in Appendix III.

Eight core samples of representative rock types were forwarded to Vancouver Petrographics Ltd. for verification of mineral modes and textural features. The report from Vancouver Petrographics (Payne, 1996) is included as Appendix IV. Four core samples were sent to Chemex Labs Ltd. in North Vancouver for XRF whole rock analysis; certificates of analysis for these samples are also included in Appendix III. CIPW norms were calculated from the whole rock analyses using the computer program NEWPET (Clarke, 1991).

Geological mapping in the vicinity of the drill collars was completed at a field scale of 1:2,000. Location control for mapping was accomplished using compass and hip

chain from drill hole collar SL96-01. Outcrop extents, locations of selected claim posts and soil sample pickets, and location of the 1996 hand trench were recorded as part of the mapping.

All the different 1996 information was digitized into Autocad r12 drawings. The topographic base for the Autocad drawing was digitally scanned from the 1:50,000 scale 105G/7 Grass Lakes NTS map sheet.

1996 SURVEY CONTROL

The 1995 field work resulted in the existence of a soil grid oriented north-south with baselines oriented east-west (Figure 5). The two baselines for the grid were slope corrected and marked at 100 m intervals with 1 m lath bearing aluminum tags inscribed with grid coordinates and sample numbers. Soil sample lines were run perpendicular to the baseline and marked with 0.5 m lath in the same manner as baseline stations.

The 1996 soil sampling program extended the 1995 soil grid farther to the west. Sampling locations were marked in a manner similar to that utilized during the 1995 field program.

During the 1996 field program claim posts, selected grid locations, and drill hole collars were surveyed using hand-held GPS units. The GPS positions were differentially corrected using data from the Westmin Resources Limited exploration camp base station at Wolverine Lake or the British Columbia Ministry of Environment, Lands and Parks base station at Dease Lake. All corrected positions should be accurate to within 5 m horizontally. Appendix V lists GPS coordinates for the different features measured with the hand-held GPS units. All eastings and northings are reported in NAD27 UTM coordinates.

The detailed geology compilation was digitized into an Autocad r12 drawing using an arbitrary north-south coordinate system. This drawing was then "floated" into the Autocad NAD27 UTM coordinate system topographic base map using the GPS indicated locations of the drill collars, selected claim posts, and selected soil grid coordinates.

The UTM position of the 1995 soil grid was shifted to the south and west from the report by Wengzynowski (1996) on the basis of the 1996 GPS data. The cross section elevations for the drill hole collars were arbitrarily shifted downwards from the GPS elevations to correspond to the topography indicated from the 1:50,000 topographic base maps.

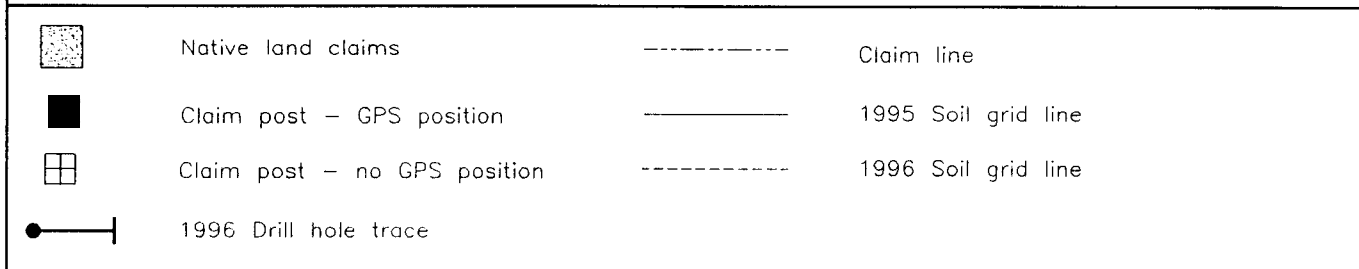
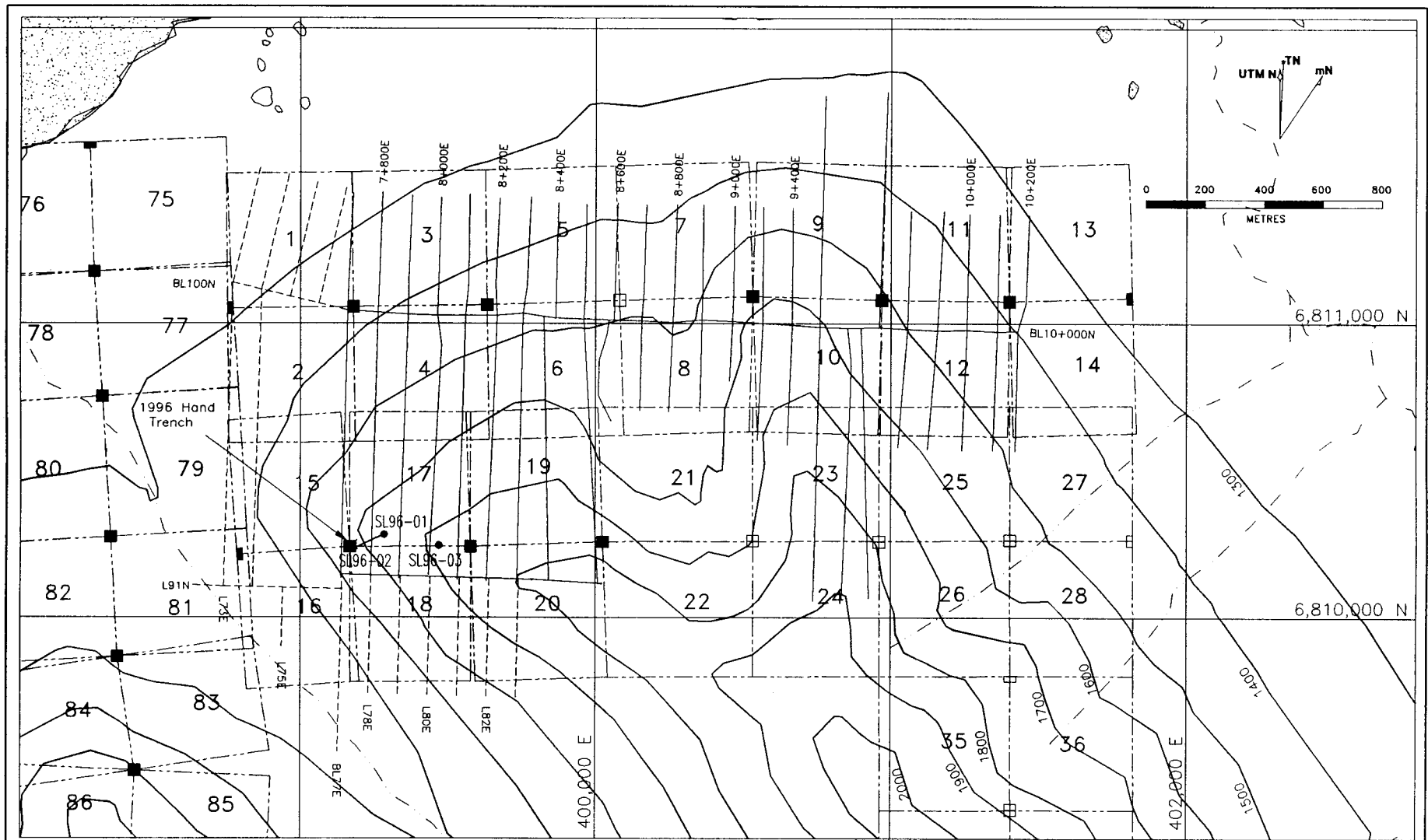


Figure 5
Archer, Cathro & Associates (1981) Limited

NORTH SOIL GRID
SLAP SHOT PROPERTY

EXPATRIATE RESOURCES LTD.

SCALE: 1:20,000	FILE: SLGRIDS.DWG
DRAWN: LCP	PROJ: FP DATE: 22/10/1996

1996 DETAILED GEOLOGY

INTRODUCTION

Detailed geologic mapping on the mineral claims SHOT 15-18 (Figure 6) encountered a sequence of metasedimentary units intruded by a thick, coarse grained, muscovite granite. The metasediments correlate with the lower and middle units of the Yukon-Tanana terrane. Contacts between the metasedimentary units are conformable and generally subparallel to the dominant pervasive foliation surface which strikes east-west and dips gently to moderately to the north. All of the units contain the same deformation features.

Figures 7-10 are vertical sections of the geology prepared from surface mapping, the hand trench, and the 1996 drill holes. Section A (Figure 7) is oriented to provide minimum projection of drill hole and trench information onto the section. Section B (Figure 8) is approximately a long section parallel to the structural grain. Sections C (Figure 9) and D (Figure 10) are oriented perpendicular to the structural grain; they provide the most realistic projection of structural information.

The following sections discuss the stratigraphy, structure, and metamorphism of the units mapped during the 1996 field program.

STRATIGRAPHY

Dark Quartzite (MSQZ)

The uppermost unit in the detailed area is a dark grey, carbonaceous, micaceous quartzite. Micas are readily visible as individual flakes on the dominant foliation surface. Micaceous laminae weather to a dark rusty brown. The maximum thickness of this unit within the map area is about 30 m.

Bands of massive, olive green, slightly calcareous, pervasively foliated chlorite-biotite schist are intercalated with the carbonaceous quartzite. Biotite occurs in minor amounts as scattered porphyroblasts. In some locations fine relict feldspar phenocrysts are visible. These chloritic schists are not continuous along strike and were not mapped separately. Locally they are up to 5 m thick and constitute up to 50% of the unit. They represent dykes/sills or volcanic flows of basalt.

Quartzite (MSQZ)

Conformably underlying the dark quartzite is a transitional unit containing several lithologies interlayered on a scale of one metre to several metres. In total this unit

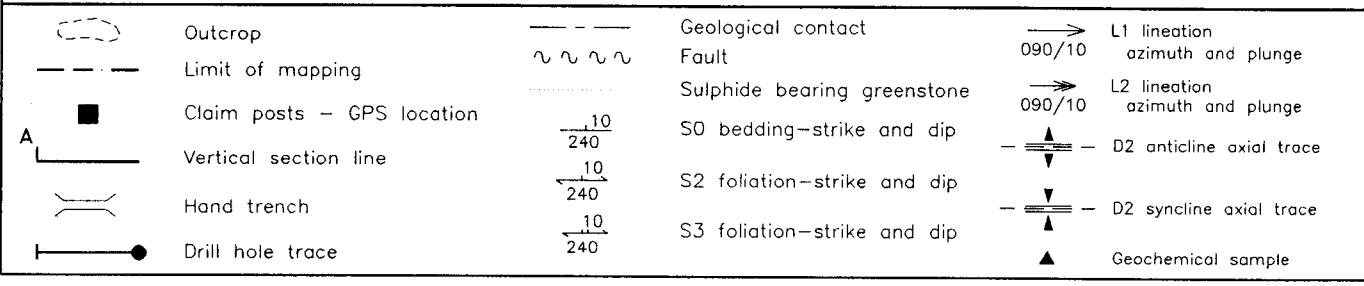
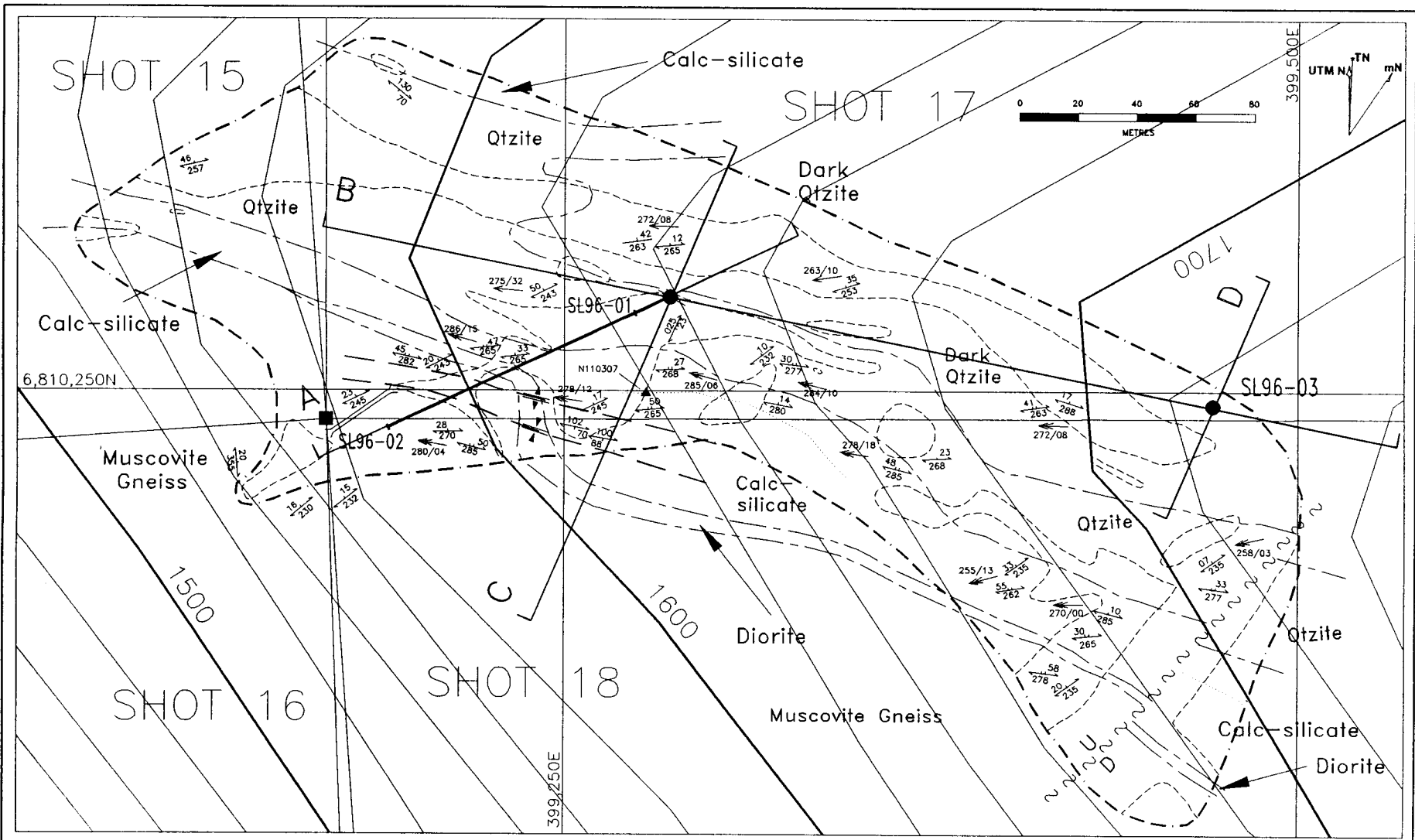


Figure 6
 Archer, Cathro & Associates (1981) Limited

DETAILED GEOLOGY

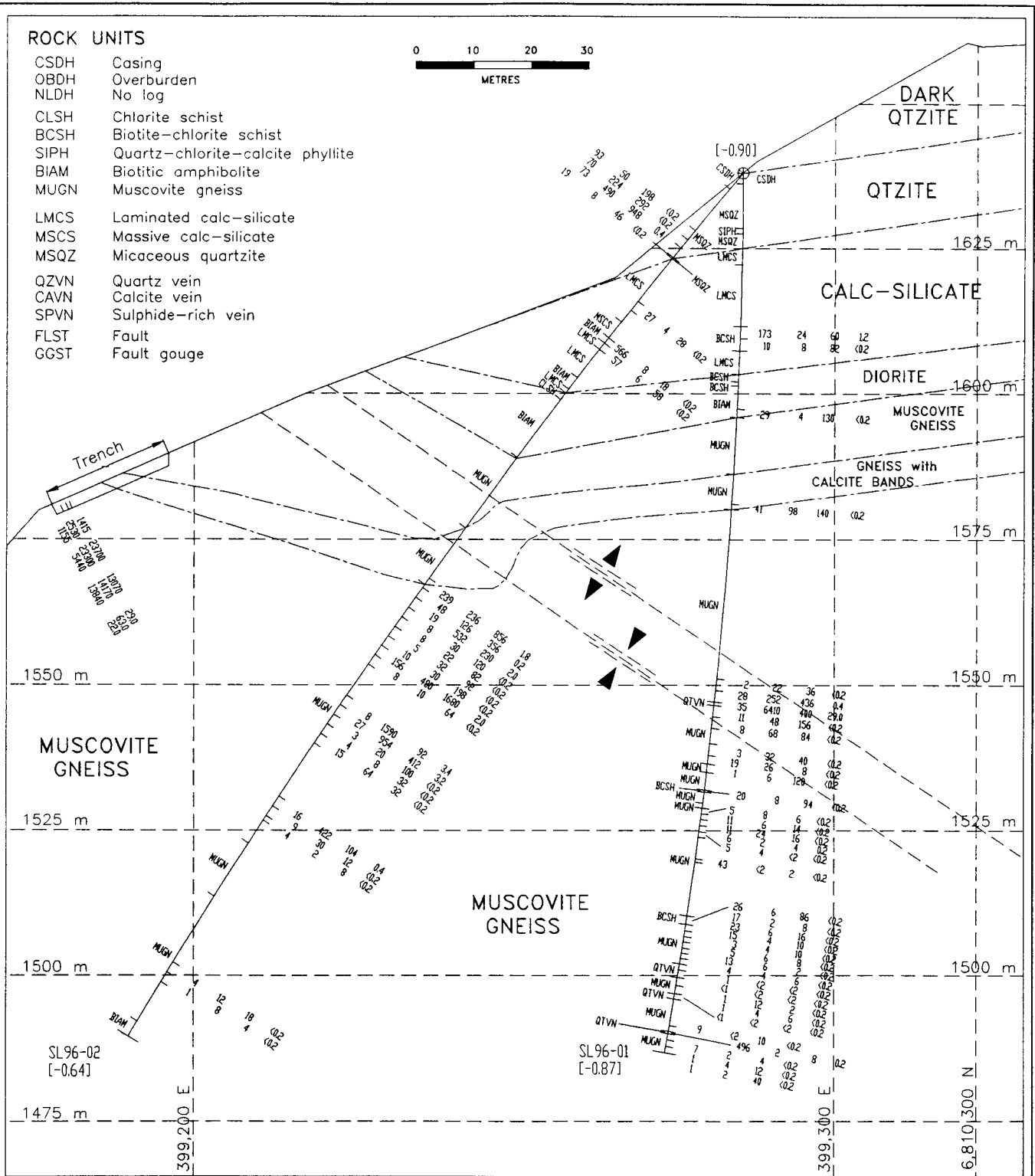
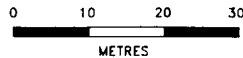
SLAP SHOT PROPERTY

EXPATRIATE RESOURCES LTD.

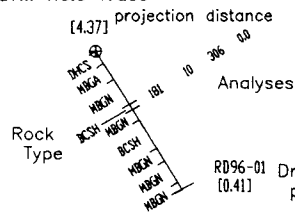
SCALE:1:2,000	FILE: SLGEOI.DWG
DRAWN: LCP	PROJ: FP
	DATE:21/10/1996

ROCK UNITS

- CSDH Casing
- OBDH Overburden
- NLDH No log
- CLSH Chlorite schist
- BCSH Biotite-chlorite schist
- SIPH Quartz-chlorite-calcite phyllite
- BIAM Biotitic amphibolite
- MUGN Muscovite gneiss
- LMCS Laminated calc-silicate
- MSCS Massive calc-silicate
- MSQZ Micaceous quartzite
- QZVN Quartz vein
- CAVN Calcite vein
- SPVN Sulphide-rich vein
- FLST Fault
- GGST Fault gouge



Drill Hole Trace



ICP

Cu ppm Pb ppm Zn ppm Ag ppm

ASSAY

Cu % Pb % Zn % Ag g/t

RD96-01 Drill Hole Name
[0.41] projection distance

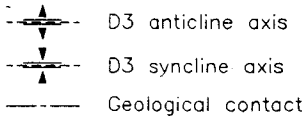


Figure 7

Archer, Cathro & Associates (1981) Limited

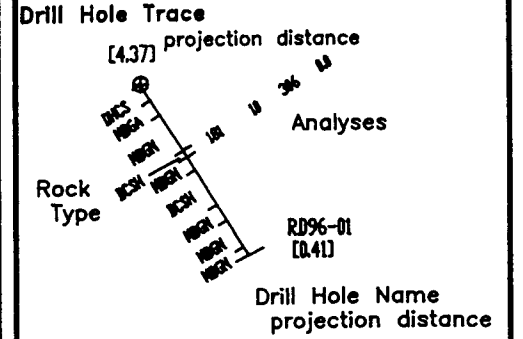
**SECTION A
SLAP SHOT PROPERTY**

EXPATRIATE RESOURCES LTD.

SCALE: 1:1,000 FILE: XSA.DWG

DRAWN: LCP PROJ: FP DATE: 21/10/1998

LEGEND



ICP
 Cu ppm Pb ppm Zn ppm Ag ppm
 ASSAY
 Cu % Pb % Zn % Ag g/t

- ROCK UNITS**
- OBDH Overburden
 - LCDH Lost Core
 - BCDH Broken Core
 - CSDH Casing
 - NLDH No log

 - CLSH Chlorite schist
 - BCSH Biotite-chlorite schist
 - SIPH Quartz-chlorite-calcite phyllite
 - BIAM Biotitic amphibolite
 - MUGN Muscovite gneiss

 - LMCS Laminated calc-silicate
 - MSCS Massive calc-silicate
 - MSQZ Micaceous quartzite

 - SPVN Sulphide-rich vein
 - QZVN Quartz vein
 - CAVN Calcite vein

 - FLST Fault
 - GGST Fault gouge

 - Geological contact

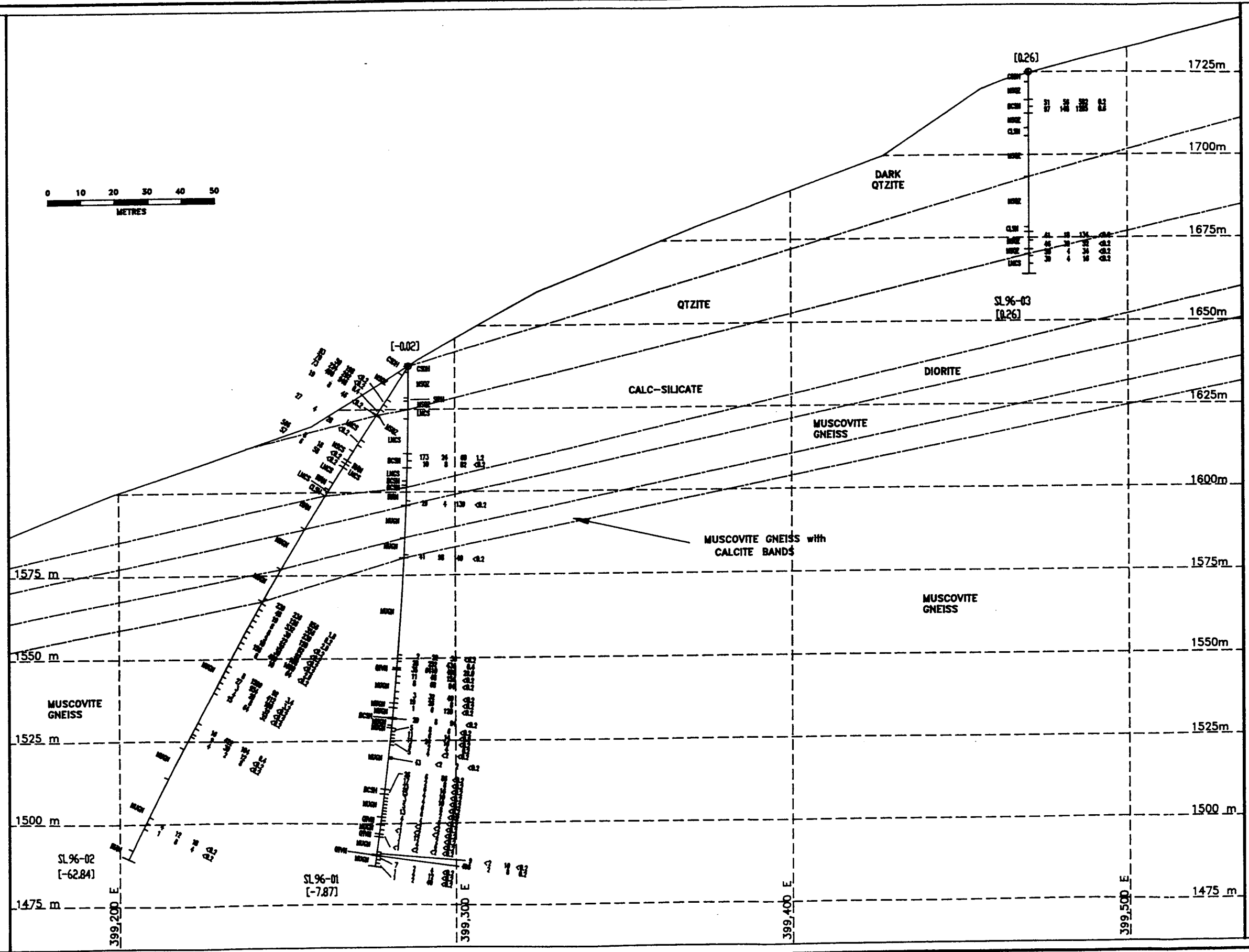
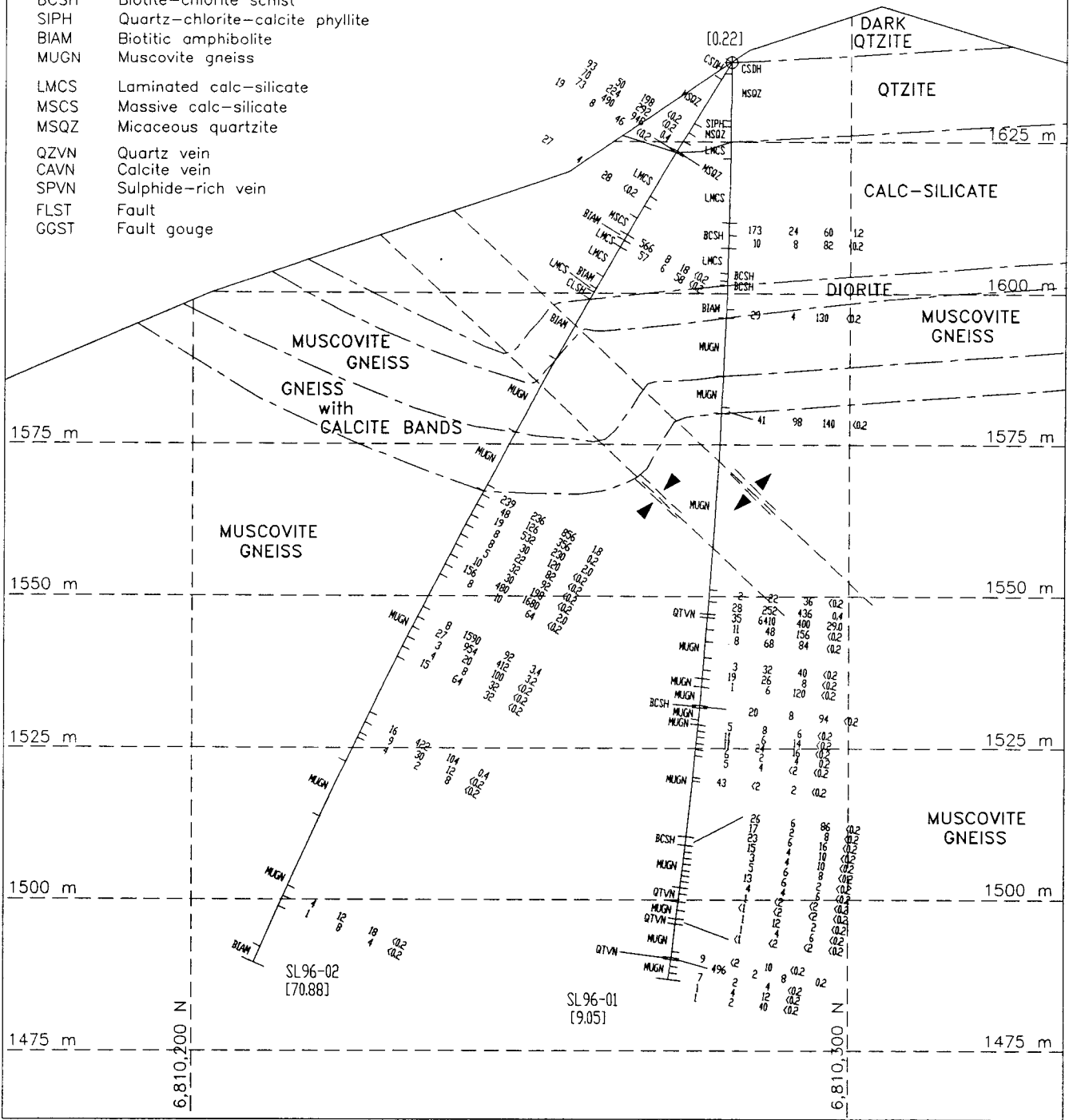
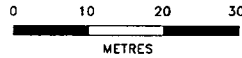


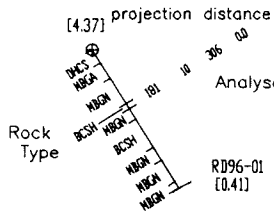
Figure 8
 Archer, Cathro & Associates (1991) Limited
SECTION B
SLAP SHOT PROPERTY
EXPATRIATE RESOURCES LTD.
 SCALE: 1: 1,200 XSB.DWG
 DRAWN: LCP PROJ: FP DATE: 21/10/1998

ROCK UNITS

- CSDH Casing
- CLSH Chlorite schist
- BCSH Biotite-chlorite schist
- SIPH Quartz-chlorite-calcite phyllite
- BIAM Biotitic amphibolite
- MUGN Muscovite gneiss
- LMCS Laminated calc-silicate
- MSCS Massive calc-silicate
- MSQZ Micaceous quartzite
- QZVN Quartz vein
- CAVN Calcite vein
- SPVN Sulphide-rich vein
- FLST Fault
- GGST Fault gouge



Drill Hole Trace



ICP

Cu ppm Pb ppm Zn ppm Ag ppm

ASSAY

Cu % Pb % Zn % Ag g/t

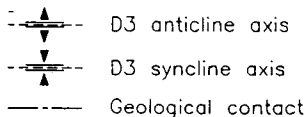


Figure 9

Archer, Cathro & Associates (1981) Limited

SECTION C

SLAP SHOT PROPERTY

EXPATRIATE RESOURCES LTD.

SCALE: 1:1,000 FILE: XSC.DWG
 DRAWN: LCP PROJ:FP DATE: 21/10/1996

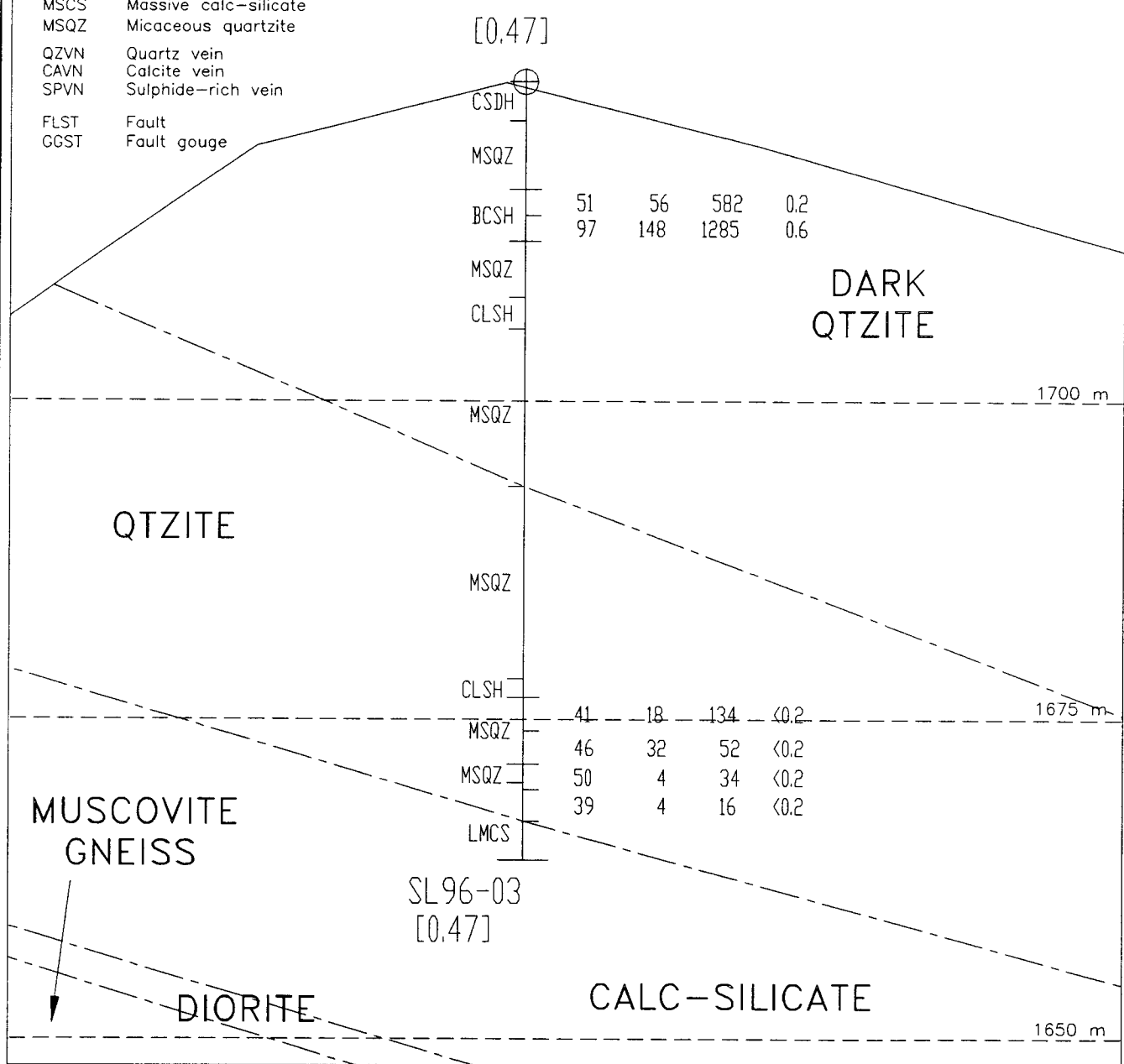
ROCK UNITS

- CSDH Casing
- CLSH Chlorite schist
- BCSH Biotite-chlorite schist
- SIPH Quartz-chlorite-calcite phyllite
- BIAM Biotitic amphibolite
- MUGN Muscovite gneiss

- LMCS Laminated calc-silicate
- MSCS Massive calc-silicate
- MSQZ Micaceous quartzite

- QZVN Quartz vein
- CAVN Calcite vein
- SPVN Sulphide-rich vein

- FLST Fault
- GGST Fault gouge



Drill Hole Trace projection distance [4.37]

Rock Type

ICP

Cu ppm	Pb ppm	Zn ppm	Ag ppm
Cu %	Pb %	Zn %	Ag g/t

ASSAY

RD96-01 Drill Hole Name [0.41] projection distance

----- Geological contact

Figure 10

Archer, Cathro & Associates (1981) Limited

SECTION D

SLAP SHOT PROPERTY

EXPATRIATE RESOURCES LTD.

SCALE: 1:500	FILE: XSD.DWG
DRAWN: LCP	PROJ:FP DATE: 21/10/1996

is about 25 m thick. The dominant lithology is a pale tan to creamy white, slightly micaceous quartzite. Bedding is visible as thin dark streaks and bands within the quartzite. One sample (SL96-01 11.25 m) is described by Payne (1996); it consists dominantly of quartz (82-85%) with subequal amounts of muscovite (7-8%) and biotite (7-8%). Plagioclase occurs to an indeterminate extent. Minerals present in lesser amounts include dolomite/calcite, sphene, apatite, Ti-oxides, opaques, and zircon.

Lesser lithologies interbanded with the quartzite include dark grey carbonaceous quartzite, medium to dark olive green chloritic phyllite, calcitic marble, quartzose muscovite-biotite schist, and calcareous phyllite.

Calc-silicate (LMCS)

Immediately beneath the transitional quartzite unit is a thinly laminated, pale to medium green, very fine grained, hard calc-silicate. The unit forms prominent cliffs on the south edge of the ridge. It typically weathers with a patchy white, calcareous surface coating. Bedding is defined by 1-10 mm pale white to tan siltstone laminae in the green, thicker bedded, calc-silicate matrix. This unit was mapped in the 1995 field work as a baritic tuff. Total thickness of the calc-silicate unit is about 25 m.

Two samples of this unit were submitted to Vancouver Petrographics for description (SL96-01 23.80 m and SL96-02 26.48 m). One of these samples was also submitted to Chemex Labs for XRF whole rock analysis (sample N110283 - Table 2). The calc-silicates are comprised of epidote and plagioclase with lesser amounts of actinolite, K-feldspar, quartz, dolomite, and sphene (Payne, 1996). K-feldspar occurs in irregular patches intergrown with plagioclase.

Based on the petrography, Payne (1996) suggested that the protolith for this unit was a tuffaceous sedimentary rock of andesitic to dacitic composition. The abundance of epidote and plagioclase and the presence of K-feldspar certainly suggests an igneous protolith. The whole rock analysis, however, is not consistent with an igneous unit; calcium and potassium contents are too high for a typical andesite or dacite. The high calcium is reflected in the high proportion of diopside in the CIPW norm. The whole rock composition is similar to whole rock analyses of sedimentary calcareous phyllites and calc-silicates from the Anvil District near Faro (Jennings and Jilson, 1986). For the Anvil District the protolith is considered to be a marine shale with calcareous turbidite siltstone interbeds; a similar protolith is suggested for this unit.

Dark green, biotite-chlorite schists form interbands within the calc-silicate unit. These interbands are similar to the chloritic schists noted in the overlying units. One of these bands is shown in Figure 6. This particular band is weathered to a deep rust

Table 2. XRF whole rock analyses - Slap Shot property

XRF Whole Rock Analyses				
Drill Hole	SL96-01	SL96-01	SL96-01	SL96-01
Depth (m)	21.34-23.80	47.24-48.77	91.88-102.04	139.30-142.15
Interval (m)	2.46	1.53	10.16	2.85
Sample No.	N110283	N110284	C10001	C10002
Unit	LMCS	MUGN	MUGN	MUGN
SiO ₂ %	56.82	75.20	71.04	76.76
TiO ₂ %	0.60	0.20	0.21	0.21
Al ₂ O ₃ %	15.11	13.42	12.03	12.03
*Fe ₂ O ₃ %	5.14	1.30	1.11	1.17
MnO %	0.09	0.03	0.03	0.02
Cr ₂ O ₃ %	0.00	0.00	0.00	0.00
MgO %	3.56	0.26	0.14	0.07
CaO %	11.69	0.74	1.38	1.15
Na ₂ O %	4.02	3.10	2.39	3.68
K ₂ O %	1.41	3.74	5.24	2.48
P ₂ O ₅ %	0.13	0.04	0.04	0.04
LOI %	1.14	1.64	2.05	1.78
Total %	99.71	99.67	95.66	99.89
Ba ppm	940	618	775	380
Rb ppm	36	134	182	116
Sr ppm	450	40	58	74
Nb ppm	18	20	16	16
Zr ppm	156	183	183	198
Y ppm	22	44	42	42
*Fe ₂ O ₃ - total iron as Fe ₂ O ₃				
CIPW Norms**				
Sample Mineral	N110283 Wt %	N110284 Wt %	C10001 Wt %	C10002 Wt %
Quartz	3.35	41.04	35.67	43.59
Corundum		3.03		1.79
Zircon	0.03	0.04	0.04	0.04
Orthoclase	8.51	22.63	33.19	15.00
Albite	34.67	26.79	21.62	31.77
Anorthite	19.42	3.67	7.11	5.69
Diopside	31.81		0.16	
Wollastonite	0.18			
Hypersthene		2.24	1.65	1.54
Magnetite	0.76	0.19	0.17	0.17
Ilmenite	1.16	0.39	0.43	0.41
Apatite	0.32	0.10	0.10	0.10
Total	100.19	100.12	100.15	100.09

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

brown; it ranges up to 3 m in thickness. In some outcrops it weathers with a surface coating indicative of extensive weathered sulphides. This band was noted and sampled during the 1995 field program; the analysis was not anomalous in any of the base metals. It was sampled again in the 1996 field mapping (sample N110307); the 1996 sample was not anomalous.

Diorite (BIAM)

Immediately beneath the calc-silicate is a dark green, foliated, plagioclase-actinolite-biotite-epidote-chlorite schist. One sample of this unit (SL96-01 37.95m) was forwarded to Vancouver Petrographics for description (Payne, 1996). The unit is foliaform and appears crudely parallel to bedding within the overlying calc-silicate. Sphene, calcite, and apatite occur in minor amounts. The unit typically has a relict igneous texture with plagioclase grains occurring in a mafic matrix. It has been classified as a diorite; its texture and grain size suggests it is an intrusive unit. The maximum thickness of this unit is approximately 7 m; it thins to zero thickness along strike to the northwest.

Muscovite Gneiss (MUGN)

The lowermost unit in the detailed map area is a coarsely crystalline, foliated, plagioclase-quartz-muscovite gneiss. Muscovite occurs as irregular planar bands which form an anastomosing texture. Biotite is not present. The unit weathers cream to off white. Locally it has a porphyritic texture with plagioclase phenocrysts; in places the plagioclase phenocrysts are strongly replaced by K-feldspar. Drill hole data indicates a minimum thickness of 110 m for this unit.

The upper contact of this unit is slightly discordant with overlying units and rises along strike to the northwest. At the northwest extent of the mapping, the diorite is absent, and the calc-silicate directly overlying the muscovite gneiss is less than 5 m thick.

The muscovite gneiss contains short intervals with a regular layering. These intervals typically consist of biotite-muscovite-quartz-feldspar schist and may contain thin white calcite interbands. One such interval outcrops in the 1996 hand trench and was intersected in drill holes SL96-01 and SL96-02.

The gneiss also contains thin interbands of dark grey to black, foliated biotite-plagioclase schist. These are similar in thickness and general appearance to the overlying diorite. The interbanded schists are foliaform; marginal contacts are sharp. They have been interpreted as diorite dykes within the muscovite gneiss.

Three samples of MUGN (SL96-01 48.80m, SL96-02 64.05m, SL96-02 75.50m) were submitted to Vancouver Petrographics for description (Payne, 1996). Whole rock analyses were completed on an additional three samples of this unit (see Table 2).

The muscovite gneiss compositionally corresponds to a granite or rhyolite. Texturally both possible protoliths are feasible. The interpretation as a granite is made because the unit is coarsely crystalline, has a slightly discordant contact over a strike length of only 430 m, and is relatively thick and uniform in the detailed map area.

STRUCTURE

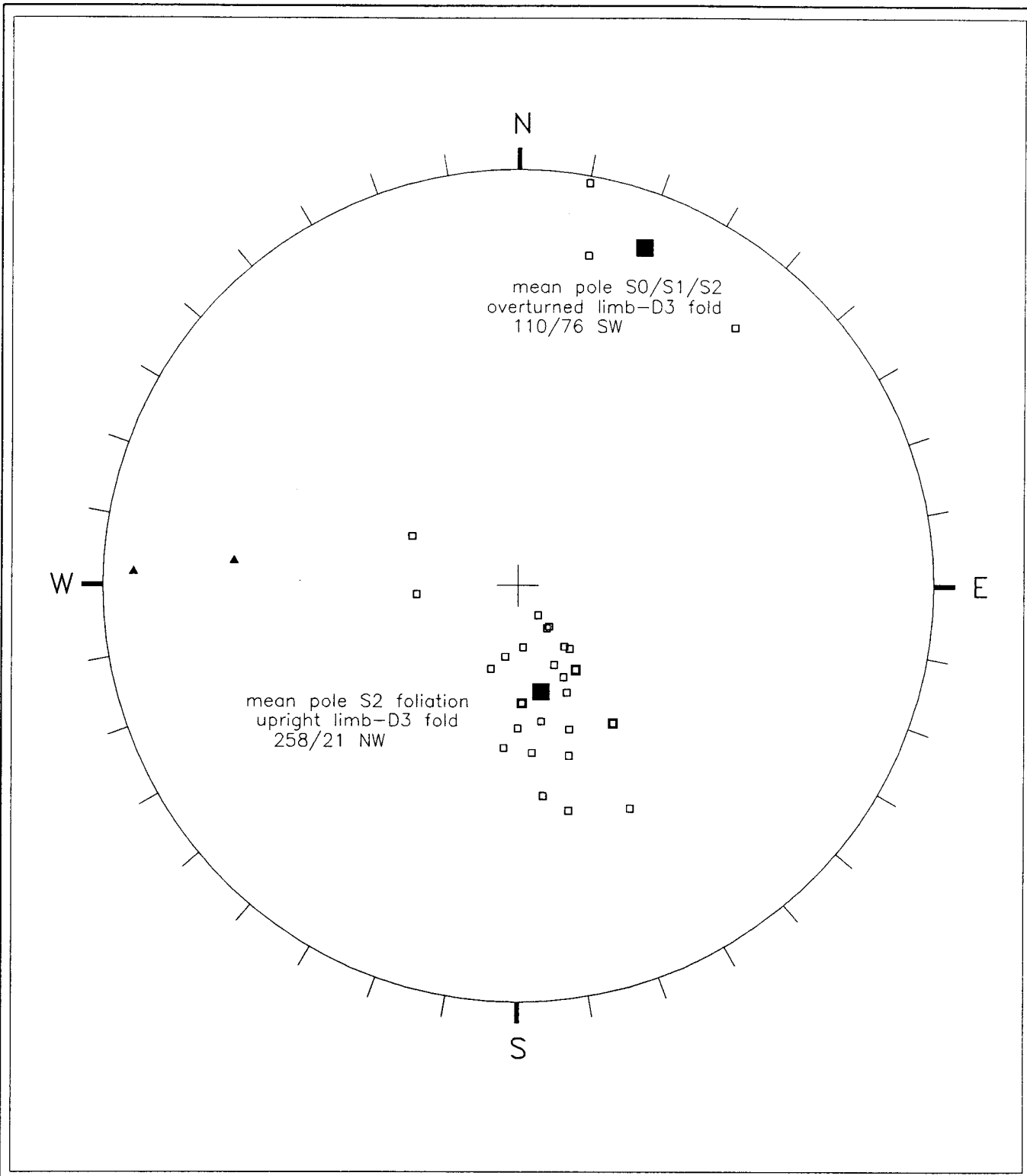
All mapped units contain two foliation surfaces which strike east-west and dip to the north. Each of the foliations are axial planar to coaxial minor folds which have south vergence; fold axes for minor folds plunge gently to the west.

The dominant foliation surface (S2) forms a pervasive schistosity to tightly spaced crenulation cleavage. Generally S0 bedding is transposed into near parallelism to the S2 foliation. The overall dip of the S2 surface is 258/21 NW (Figure 11). This dominant surface is correlated with a D2 deformation because in a few outcrops an earlier foliation surface was evident as fine crenulations within the dominant S2 surface. D2 minor folds are isoclinal recumbent structures with south vergence.

Locally the S2 foliation surface is disrupted and folded by later D3 minor structures. D3 minor folds have straight limbs with sharp angular hinge zones; one antiformal-synformal hinge zone in the detailed map area has an amplitude of about 15 m. A well developed S3 crenulation cleavage is axial planar to these small scale folds. Average orientations of the S3 foliation and L3 lineation are shown in Figure 12. The mean S3 foliation (270/90N) dips more steeply to the north than S2. One D3 antiformal-synformal fold couplet was mapped in the southern part of the detailed area. Another D3 antiformal-synformal couplet is inferred for the northwest corner of the mapped area.

METAMORPHISM

Widespread occurrence of the mineral assemblage biotite-quartz-muscovite in the quartzites and plagioclase-epidote-quartz-actinolite in the calc-silicate indicates the metamorphic grade is at least lower amphibolite zone (Turner, 1981; Winkler, 1974). Slightly east of the detailed map area, pelites also contain scattered garnets; this is consistent with a lower amphibolite facies metamorphic grade.



**EQUAL AREA – LOWER HEMISPHERE
STEREONET PLOT**

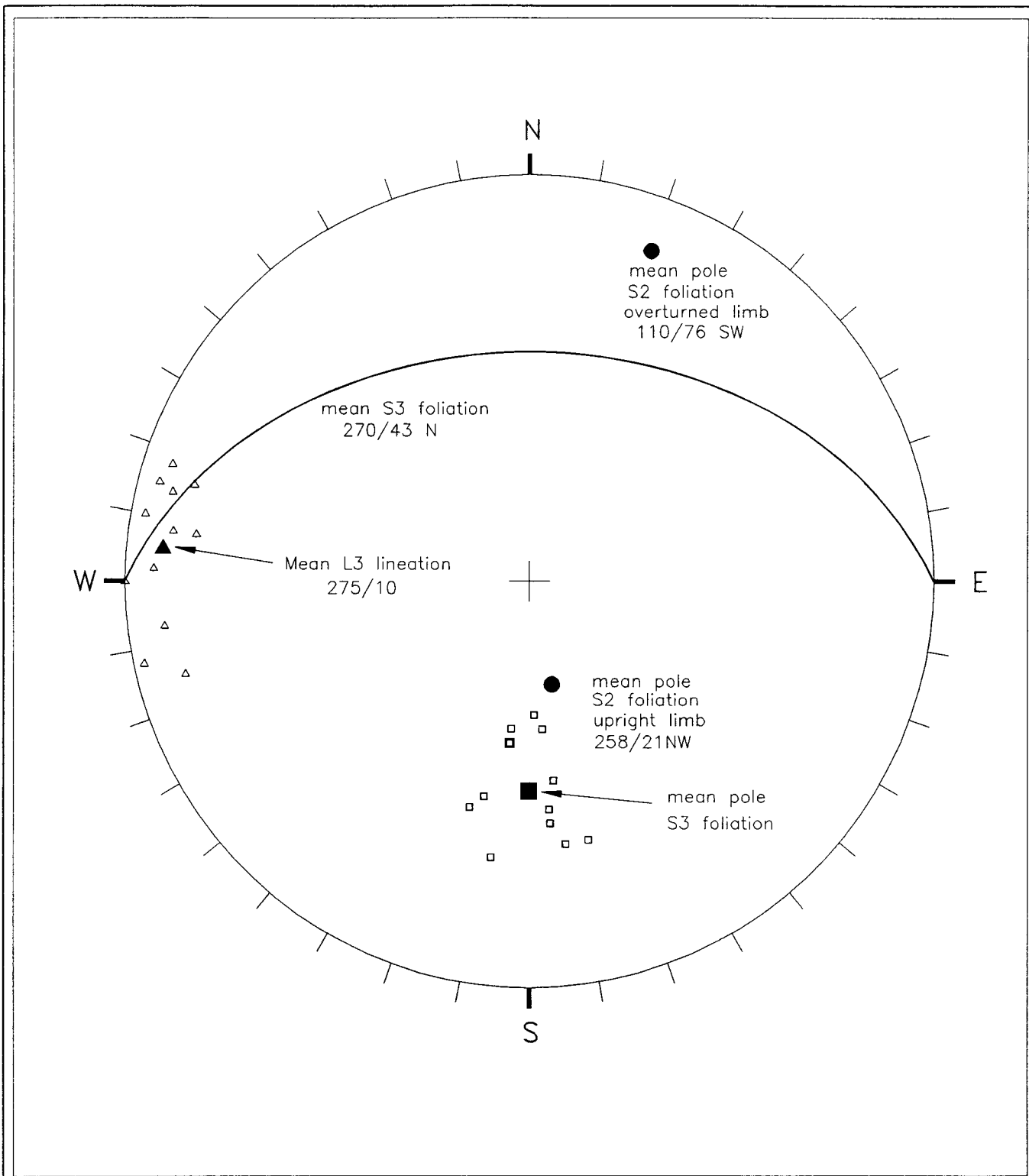
- Pole to S2 foliation ■ Mean pole to S2
 29 poles plotted
- ▲ L2 lineation
 2 lineations plotted

Figure 11
Archer, Cathro & Associates (1981) Limited

**D2 FOLIATION-LINEATION
STEREONET**

**SLAP SHOT PROPERTY
EXPATRIATE RESOURCES LTD.**

SCALE: NA	FILE: SLSTRCT1.DWG
DRAWN: LCP	PROJ:FP DATE: 21/10/1996



**EQUAL AREA – LOWER HEMISPHERE
STEREONET PLOT**

□ Pole to S3 foliation
12 poles plotted

■ Mean pole to S3

△ L3 Lineation
12 lineations plotted

● Mean pole to S2

Figure 12
Archer, Cathro & Associates (1981) Limited

**D3 FOLIATION-LINEATION
STEREONET**

SLAP SHOT PROPERTY

EXPATRIATE RESOURCES LTD.

SCALE: NA	FILE: SLSTRCT2.DWG
DRAWN: LCP	PROJ:FP DATE: 21/10/1996

1996 HAND TRENCH

The hand trench is located within the lowermost muscovite gneiss unit. Figure 13 is a vertical section showing sample locations within the trench. The upper two-thirds of the trench floor contains a steep white bull quartz vein which gradually traverses from the south side of the trench to the north side of the trench with decreasing elevation. This quartz vein is approximately 20 cm thick and contains patches of coarsely crystalline galena. The interval corresponding to samples N110004 and N110003 consists of biotite-muscovite-quartz-plagioclase schist with thin interbands of white calcitic marble. This same interval was also encountered in drill holes SL96-01 and SL96-02.

The mineralized zone consists of irregularly foliated, cream to dirty brown, muscovite-quartz-feldspar gneiss with pitted rusty bands up to 10 cm thick. Interstitial malachite, chalcopyrite, sphalerite, and pyrite are present in small amounts in the rusty bands. Crosscutting, white, bull quartz veins containing coarsely crystalline galena occur locally. The mineralized zone can be traced in sparse, intermittent float to the west for 70 m and to the east for 300 m.

All samples collected from the trench were sent to Chemex Labs Ltd. in North Vancouver for analysis. Samples at Chemex were crushed and then pulverized to better than 90% 100 micron (-150 Mesh) using a Chrome Steel Ring Mill. Samples 935920-935922 were dissolved in a nitric acid-aqua regia solution and analyzed for 32 elements using ICP-AES techniques. The elements Al, Ba, Be, Ca, Cr, Ga, La, Mg, K, Sc, Na, Sr, Tl, Ti, and W may only be partially leached using this digestion. These elements do not include the base metals which were the exploration target for this drilling program. Samples N110001-N110005 were assayed for Cu, Pb, Zn, Ag, and Au. Au analyses were completed using fire assay with an atomic absorption finish. Certificates of analysis for all samples are included in Appendix III.

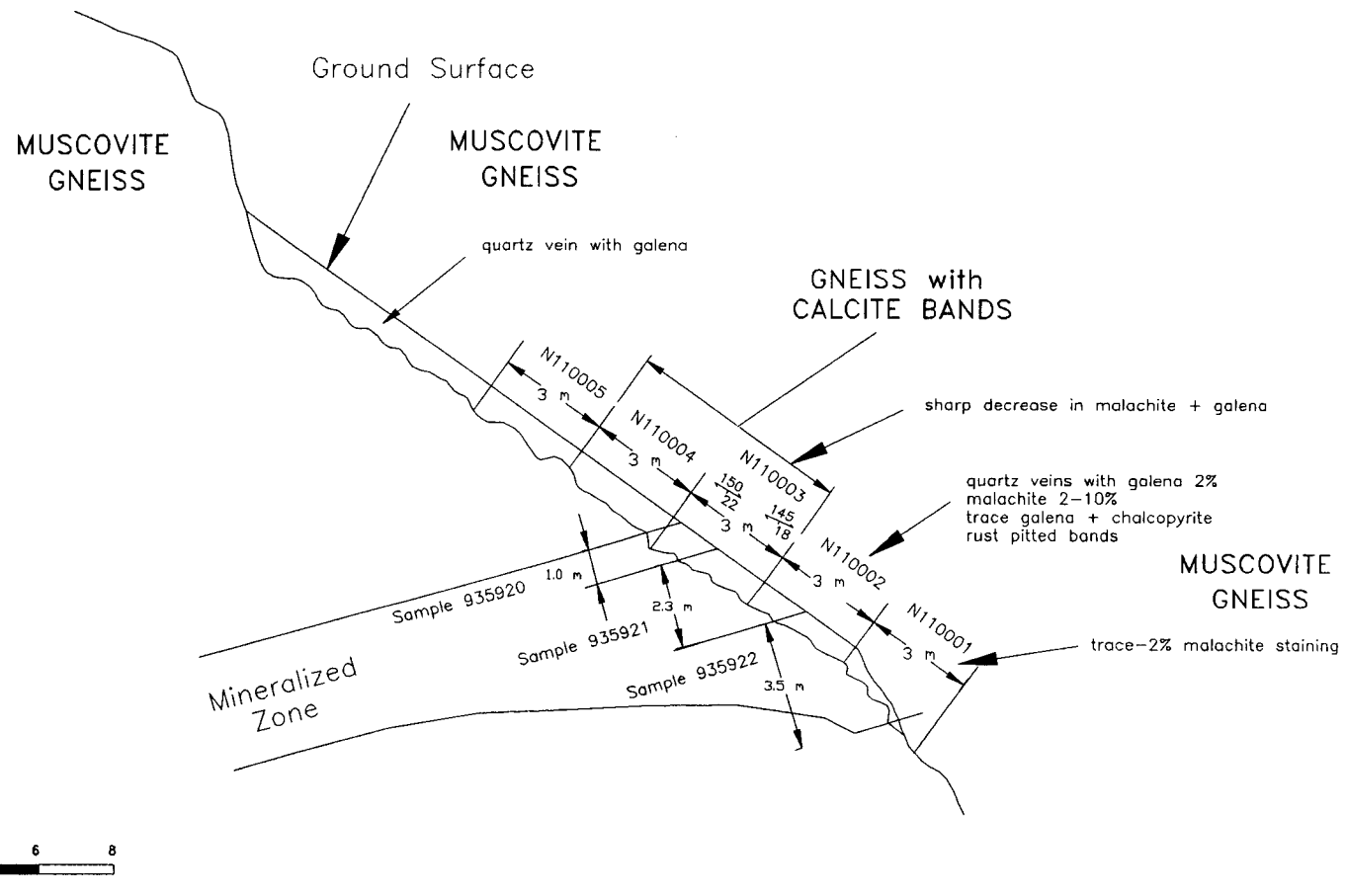
1996 DRILL PROGRAM

Drill holes were collared to test for stratiform or foliaform mineralization beneath the 1996 hand trench. Three holes were completed using a Craelius drill for a total depth of 396.24 m. Core size for all the holes is BTW (B, thin wall). Table 3 lists the locations of the holes. Drill hole locations are shown in Figures 5 and 6.

Holes SL96-01 and SL96-03 were vertical. Hole SL96-02 was inclined at -50° to the southwest (azimuth 245°). Deviation of the holes was checked with an acid dip test at the bottom of the hole; all acid tests were corrected for meniscus effects using tables of dip angle corrections. Hole SL96-03 was stopped short of the target depth

NE

SW

**SAMPLES**

Sample	Cu ppm	Pb ppm	Zn ppm	Ag ppm	Sample	Cu %	Pb %	Zn %	Ag g/t	Au ppb
935920	1415	23700	13070	29	N110001	0.11	0.45	1.01	17.8	<5
935921	2530	23300	14170	63	N110002	0.24	2.34	1.16	41.5	5
935922	1155	5440	13840	22	N110003	0.02	0.05	3.21	2.1	<5
					N110004	0.02	0.20	4.24	9.6	<5
					N110005	<0.01	0.03	0.33	0.7	<5

Figure 13

Archer, Cathro & Associates (1981) Limited

1996 HAND TRENCH**SLAP SHOT PROPERTY****EXPATRIATE RESOURCES LTD.**

SCALE: 1: 200 FILE: SLTRENCH.DWG

DRAWN: LCP PROJ: FP DATE: 21/10/1996

because the bit and core sample tube broke off from the rods. All collar locations have been marked in the field with 4x4 posts labelled with inscribed metal tags.

Table 3. 1996 Drill Hole Locations

DDH	Easting (UTM)	Northing (UTM)	Elevation (MSL)*	Length (m)
SL96-01	399,286	6,810,282	1,649 m	152.40
SL96-02	399,286	6,810,282	1,649 m	182.88
SL96-03	399,471	6,810,245	1,728 m	60.96

*Collar elevations on section drawings (Figures 7-10) are arbitrarily lowered from the GPS MSL to correspond to the 1:50,000 NTS 105G/7 map sheet elevation.

Holes were logged at the Finlayson Lake base camp for lithology, structure, RQD, and % recovery. The information from the field logs was entered into a spreadsheet (Lotus v5). The data was later transferred to a PC-XPLOR database for plotting sections and plan views.

Intervals selected for analysis were split, and the samples sent to Chemex Labs Ltd. in North Vancouver. Samples at Chemex were crushed and then pulverized to better than 90% 100 micron (-150 Mesh) using a Chrome Steel Ring Mill. Most samples were dissolved in a nitric acid-aqua regia solution and analyzed for 32 elements using ICP-AES techniques. The elements Al, Ba, Be, Ca, Cr, Ga, La, Mg, K, Sc, Na, Sr, Tl, Ti, and W may only be partially leached using this digestion. These elements do not include the base metals which were the exploration target for this drilling program. Selected samples were assayed for Au; assays were completed using fire assay with an atomic absorption finish.

DRILL RESULTS

Vertical sections containing the drill hole and trench information are shown in Figures 7-10. The drill holes intersected the same units as mapped at surface. In cross sections C and D the different units dip moderately to gently to the north.

Mineralization intersected in the drill holes is restricted to irregular occurrences of sulphides contained within quartz veins. Pyrite is the major sulphide present. Other sulphides associated with the quartz veins include arsenopyrite, galena, chalcopyrite, sphalerite, galena, and locally pyrrhotite.

Section A (Figure 7) shows that the mineralized zone trenched at surface can be correlated with a similar interval of muscovite gneiss containing sulphides in quartz

veins. Values within this zone are only slightly anomalous in copper, lead, and zinc.

CONCLUSIONS and RECOMMENDATIONS

Detailed work on the northern part of the Slap Shot property has outlined a gently north dipping package of metasediments intruded by a muscovite-quartz granite. Sediments correspond to the lower and middle units of the Yukon-Tanana terrane and are lithologically similar to the Kechika group (calc-silicate) and Nasina assemblage (quartzite and dark quartzite).

All units contain evidence of two coaxial deformations. S0 bedding is dominantly subparallel to the dominant S2 foliation. S3 is evident as a more steeply north dipping crenulation cleavage and as synformal-antiformal folds with an amplitude of about 15 m. Minor folds for both deformations plunge gently to the west.

The 1996 hand trench is located entirely within a muscovite-quartz-feldspar gneiss which has been interpreted as an intrusive granite. Thin biotite-muscovite-quartz-feldspar gneiss with calcite bands present in the trench can be readily correlated with a similar lithology in drill holes SL96-01 and SL96-02.

Mineralization in the trench consists of foliaform bands containing disseminated pyrite, chalcopyrite, galena, and sphalerite. Locally chalcopyrite is weathered to a malachite staining. Also present are steep crosscutting quartz veins with coarsely crystalline galena.

In the drill holes mineralization consists of fine to coarsely crystalline sulphides restricted dominantly to crosscutting white quartz veins. Pyrite is the dominant sulphide present. Other sulphides in the veins occurring in lesser amounts include arsenopyrite, pyrrhotite, sphalerite, chalcopyrite, and galena. No evidence for stratiform or foliaform mineralization was noted in the core. More than one sulphide bearing quartz vein interval was noted within the same drill hole.

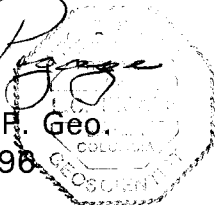
Low analytical values and restriction of sulphides to steep, crosscutting quartz veins makes the northern part of this property an unappealing target. The foliaform mineralization in the trench may represent "leakage" of sulphides from more prominent vein systems. No indication of stratiform or foliaform mineralization was noted in the drill holes. Sparse mineralized float encountered away from the trench is probably related to similar style vein sulphide mineralization occurring in different quartz veins and not to a single foliaform sulphide body.

No further work is recommended for this area.

Respectfully submitted,

Lee C. Pigage

Lee C. Pigage, Ph.D., F. Geo.
October 21, 1998



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APPENDIX I
STATEMENT of QUALIFICATIONS

STATEMENT of QUALIFICATIONS

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

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

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

I graduated from the University of British Columbia in 1978 with a Ph.D. in Geological Sciences.

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


I am a Fellow in the Geological Association of Canada.

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

I personally participated in and supervised the project described in this report.

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

Lee C. Pigage
Lee C. Pigage, Ph.D., P. Geo.
October 21, 1996

A circular professional seal for a geoscientist. The seal features a central emblem with a mountain and a sun, surrounded by the text "Geological Association of Canada" and "Professional Geoscientist". The seal is partially overlaid by the signature and the typed name of Lee C. Pigage.

APPENDIX II

1996 SLAP SHOT DRILL LOGS

**SYNOPTIC LOG
FINLAYSON PROJECT**

Hole: SL96-01 Property: Slap Shot

EXPATRIATE RESOURCES LTD.

Easting: 399286 Northing: 6810282 Elevation: 1649 Depth: 152.40

Logged by: Gill McDougall
Drilling Dates: June 20 to 23, 1996

Depth	Azimuth	Dip	Method
0.00	0	-90	Set
152.40		-80	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	1.83	1.83	CSDH	Casing										
1.83	9.52	7.69	MSQZ	Quartzite w/ calcareous phyllite interbands										
9.52	10.49	0.97	SIPH	Quartz chlorite calcareous phyllite										
10.49	13.04	2.55	MSQZ	Quartzite with muscovite partings										
13.04	15.81	2.77	LMCS	Grey thinly laminated calc-silicates										
15.81	26.39	10.58	LMCS	Green thinly laminated calc-silicates										
26.39	30.63	4.24	BCSH	Biotite-chlorite schist										
					26.39	28.51	2.12	N110468	68	173	24	60	1.2	
					28.51	30.63	2.12	N110469	77	10	8	82	<0.2	
30.63	34.71	4.08	LMCS	Green finely laminated calc-silicates										
34.71	35.99	1.28	BCSH	Biotite-chlorite schist										
35.99	36.70	0.71	BCSH	Biotite-chlorite schist w/ qtz rich bands										
36.70	42.12	5.42	BIAM	Massive biotite amphibolite										
					40.67	42.12	1.45	N110470	81	29	4	130	<0.2	
42.12	51.87	9.75	MUGN	Quartzose muscovite gneiss										
51.87	57.96	6.09	MUGN	Gneiss w/ musc-bio schist and marble bands										
					56.96	57.96	1.00	N110471	100	41	98	140	<0.2	
57.96	91.29	33.33	MUGN	Quartzose muscovite gneiss										
					87.29	89.29	2.00	N110472	100	2	22	36	<0.2	
					89.29	91.29	2.00	N110473	98	28	252	436	0.4	
91.29	91.88	0.59	QTVN	Quartz Vein										
				-LI and coarse GA in FR	91.29	91.88	0.59	N110474	98	35	6410	400	29.0	
91.88	102.04	10.16	MUGN	Quartzose muscovite gneiss										
					91.88	93.88	2.00	N110475	99	11	48	156	<0.2	
					93.88	95.88	2.00	N110476	98	8	68	84	<0.2	
					98.58	100.58	2.00	N110477	98	3	32	40	<0.2	
					100.58	102.04	1.46	N110478	97	19	26	8	<0.2	
102.04	103.48	1.44	MUGN	Fractured quartz muscovite gneiss										
					102.04	103.48	1.44	N110479	90	1	6	120	<0.2	
103.48	106.55	3.07	MUGN	Quartzose muscovite gneiss										

**SYNOPTIC LOG
FINLAYSON PROJECT**

Hole: SL96-01

Property: Slap Shot

Page 2 of 3

EXPATRIATE RESOURCES LTD.

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)
106.55	106.95	0.40	BCSH	Quartz rich to biotite rich bio-chlorite schist										
					106.55	106.95	0.40	N110480	100	20	8	94	<0.2	
106.95	108.89	1.94	MUGN	Quartzose muscovite gneiss										
108.89	109.73	0.84	MUGN	Very fine grained muscovite gneiss										
109.73	128.48	18.75	MUGN	Muscovite gneiss with quartz veins										
					109.73	110.73	1.00	N110501	100	5	8	6	<0.2	
					110.73	111.73	1.00	N110502	86	11	6	14	<0.2	
					111.73	112.78	1.05	N110503	100	11	24	16	<0.2	
					112.78	113.84	1.06	N110504	100	6	2	4	0.2	
					113.84	114.84	1.00	N110505	99	5	4	<2	<0.2	
					118.54	119.12	0.58	N110506	100	43	<2	2	<0.2	
128.48	129.94	1.46	BCSH	Calcareous biotite-chlorite schist										
					128.48	129.94	1.46	N110507	100	26	6	86	<0.2	
129.94	136.93	6.99	MUGN	Muscovite gneiss with quartz veins										
					129.94	131.06	1.12	N110508	100	17	2	8	<0.2	
					131.06	132.06	1.00	N110509	100	23	6	16	<0.2	
					132.06	133.06	1.00	N110510	100	15	4	10	<0.2	
					133.06	134.11	1.05	N110511	97	3	4	10	<0.2	
					134.11	135.00	0.89	N110512	90	5	6	8	<0.2	
					135.00	135.93	0.93	N110513	93	13	6	2	<0.2	
					135.93	136.93	1.00	N110514	100	4	4	6	<0.2	
136.93	139.30	2.37	QTVN	Quartz vein with minor sulphides										
				-minor PY and ASPY patches	136.93	138.00	1.07	N110515	96	1	<2	<2	<0.2	
					138.00	139.30	1.30	N110516	100	<1	<2	<2	<0.2	
139.30	142.15	2.85	MUGN	Muscovite gneiss										
					139.30	140.72	1.42	N110517	98	1	12	2	<0.2	
					140.72	142.15	1.43	N110518	100	1	4	6	<0.2	
142.15	143.05	0.90	QTVN	Quartz Vein with minor sulphides										
				-minor PY patches	142.15	143.05	0.90	N110519	100	<1	<2	<2	<0.2	
143.05	148.71	5.66	MUGN	Muscovite gneiss with quartz veining										
					147.71	148.71	1.00	N110520	100	9	<2	10	<0.2	
148.71	149.06	0.35	QTVN	Quartz vein with massive sulphides										
				-PO with lesser PY, ASPY, CP	148.71	149.06	0.35	N110521	100	496	2	8	0.2	

**SYNOPTIC LOG
FINLAYSON PROJECT**

EXPATRIATE RESOURCES LTD.

Hole: SL96-02 Property: Slap Shot

Page 1 of 2

Easting: Northing: Elevation: Depth:
399286 6810282 1649 182.88

Logged by: Gill McDougall
Drilling Dates: June 24 to 29, 1996

Depth	Azimuth	Dip	Method
0	245	-50	Set
182.88		-59	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	3.60	3.60	CSDH	Casing										
3.60	18.90	15.30	MSQZ	Quartzite with bands chlorite schist										
				-abundant rusty stain	12.94	14.94	2.00	N110525	92	93	50	198	<0.2	<5
					14.94	16.76	1.82	N110526	100	70	224	292	<0.2	<5
					16.76	18.90	2.14	N110527	97	73	490	948	0.4	<5
18.90	19.20	0.30	MSQZ	Black quartzite with limey bands										
					18.90	19.20	0.30	N110528	93	19	8	46	<0.2	<5
19.2	33.07	13.87	LMCS	Finely laminated calc-silicate rock										
					28.48	30.48	2.00	N110529	98	27	4	28	<0.2	<5
33.07	36.57	3.50	MSCS	Massive calc-silicate rock										
36.57	37.75	1.18	BIAM	Feldspar bearing amphibolite										
				-disseminated PY	36.57	37.75	1.18	N110551	51	566	8	18	<0.2	<5
37.75	39.14	1.39	LMCS	Altered laminated calc-silicate rock										
					37.75	39.14	1.39	N110552	51	57	6	58	<0.2	<5
39.14	45.35	6.21	LMCS	Finely laminated calc-silicate rock										
45.35	47.81	2.46	BIAM	Biotite rich amphibolite										
47.81	48.62	0.81	LMCS	Finely laminated calc-silicate rock										
48.62	50.08	1.46	CLSH	Chlorite schist with biotite										
50.08	62.67	12.59	BIAM	Amphibolite with biotite clots to biotite laminae										
62.67	77.72	15.05	MUGN	Coarse musc gneiss w/ bands musc-bio schist										
77.72	89.76	12.04	MUGN	Gneiss w/ musc-bio schist and calcite bands										
89.76	143.75	53.99	MUGN	Muscovite gneiss										
				-minor PY, GA, CP, SL, ASPY in quartz	88.39	90.40	2.01	N110553	100	239	236	856	1.8	<5
				veins and on FR	90.40	92.40	2.00	N110554	100	48	126	356	0.2	<5
					92.40	94.49	2.09	N110555	90	19	532	230	2.0	<5
					94.49	96.50	2.01	N110556	100	8	30	120	<0.2	<5
					96.50	98.50	2.00	N110557	90	8	22	82	<0.2	<5
					98.50	100.50	2.00	N110558	92	5	32	92	<0.2	<5
					100.50	102.50	2.00	N110559	100	10	30	198	<0.2	<5
					102.50	104.50	2.00	N110560	100	156	480	1680	2.0	<5
					104.50	106.50	2.00	N110561	100	8	10	64	<0.2	<5

**SYNOPTIC LOG
FINLAYSON PROJECT**

EXPATRIATE RESOURCES LTD.

Hole: SL96-03 Property: Slap Shot

Easting: 399471 Northing: 6810245 Elevation: 1728 Depth: 60.96

Logged by: Gill McDougall
Drilling Dates: June 30 to July 1, 1996

Depth	Azimuth	Dip	Method
0	0	-90	Set

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	3.05	3.05	CSDH	Casing										
3.05	8.42	5.37	MSQZ	Dark quartzite w/ chlorite-biotite schist bands										
8.42	12.46	4.04	BCSH	Chlorite-biotite schist w/ quartzite, marble bands										
				-rusty stain on FR	8.42	10.43	2.01	N110576	99	51	56	582	0.2	
					10.43	12.46	2.03	N110577	100	97	148	1285	0.6	
12.46	16.85	4.39	MSQZ	Dark quartzite w/ chlorite schist bands										
16.85	19.34	2.49	CLSH	Calcareous chlorite schist										
19.34	31.70	12.36	MSQZ	Black quartzite w/ chlorite schist bands										
31.70	46.81	15.11	MSQZ	Quartzite with muscovite partings										
46.81	48.27	1.46	CLSH	Chlorite schist										
48.27	53.50	5.23	MSQZ	Quartzite with muscovite partings										
					48.27	50.88	2.61	N110571	92	41	18	134	<0.2	
					50.88	53.50	2.62	N110572	100	46	32	52	<0.2	
53.50	54.94	1.44	MSQZ	Chloritic quartzite										
					53.50	55.49	1.99	N110573	100	50	4	34	<0.2	
54.94	60.96	6.02	LMCS	Finely laminated calc-silicate										
					55.49	57.91	2.42	N110574	92	39	4	16	<0.2	
				EOH										

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

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

Project : SLAP SHOT
Comments:

Page No. : 1-A
Total Pages : 1
Certificate Date: 23-JUN-96
Invoice No. : I9620844
P.O. Number : V
Account : MPO

CERTIFICATE OF ANALYSIS

A9620844

SAMPLE	PREP CODE		Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Hg	K	Mg	Mn	Mo	Na	Ni
			ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	%	ppm
935920	205	226	29	0.19	170	80	< 5	90	0.09	130	5	140	1415	1.53	< 10	0.13	0.02	100	15	0.05	5
935921	205	226	63	0.18	40	80	< 5	90	0.07	145	< 5	150	2530	1.55	< 10	0.14	0.01	80	15	0.05	5
935922	205	226	22	0.25	40	60	< 5	30	0.07	140	< 5	130	1155	0.92	< 10	0.20	0.02	150	5	0.05	5

CERTIFICATION: Hart Bickler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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

Project: SLAP SHOT
Comments:

Page Number: 1-B
Total: 1
Certificate Date: 23-JUN-96
Invoice No.: I9620844
P.O. Number: V
Account: MPO

CERTIFICATE OF ANALYSIS A9620844

SAMPLE	PREP CODE		P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
935920	205	226	< 100	23700	< 10	< 5	< 5	< 0.01	< 20	< 20	< 20	< 20	13070
935921	205	226	< 100	23300	< 10	< 5	< 5	< 0.01	< 20	< 20	< 20	< 20	14170
935922	205	226	< 100	5440	< 10	< 5	< 5	< 0.01	< 20	< 20	< 20	< 20	13840

CERTIFICATION: Hart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

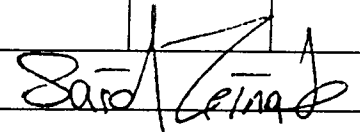
To: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project: SLAPSHOT
Comments:

Page per : 1
Total : 1
Certificate Date: 02-JUL-96
Invoice No. : I9622155
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9622155

SAMPLE	PREP CODE		Au ppb FA+AA	Ag oz/T	Cu %	Pb %	Zn %					
N110001	205	226	< 5	0.52	0.11	0.45	1.01					
N110002	205	226	5	1.21	0.24	2.34	1.16					
N110003	205	226	< 5	0.06	0.02	0.05	3.21					
N110004	205	226	< 5	0.28	0.02	0.20	4.24					
N110005	205	226	< 5	0.02	< 0.01	0.03	0.33					

CERTIFICATION: 



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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

Project: SLAPSHOT
Comments: ATTN: AL ARCHER

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P.O. Number:
Account: MPO

CERTIFICATE OF ANALYSIS

A9623481

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
SL9601 N110468	205 226	1.2	2.54	8	80	1.0	< 2	5.78	0.5	37	123	173	5.94	< 10	< 1	0.15	30	2.29	430	< 1
SL9601 N110469	205 226	< 0.2	2.21	14	150	0.5	< 2	5.35	0.5	12	81	10	3.38	< 10	< 1	0.62	20	1.81	395	< 1
SL9601 N110470	205 226	< 0.2	3.68	10	570	1.0	< 2	2.56	1.0	24	86	29	6.33	< 10	< 1	2.06	< 10	2.32	850	< 1
SL9601 N110471	205 226	< 0.2	0.26	2	80	< 0.5	< 2	4.28	1.0	3	107	41	0.93	< 10	< 1	0.23	30	0.12	570	1
SL9601 N110472	205 226	< 0.2	0.23	2	80	< 0.5	< 2	0.80	< 0.5	1	85	2	0.35	< 10	< 1	0.22	40	0.01	95	1
SL9601 N110473	205 226	0.4	0.37	2	120	0.5	< 2	1.97	4.5	3	124	28	0.90	< 10	< 1	0.28	30	0.04	330	2
SL9601 N110474	205 226	29.0	0.15	12	70	< 0.5	70	0.01	4.0	1	212	35	3.47	< 10	< 1	0.13	< 10	< 0.01	20	1
SL9601 N110475	205 226	< 0.2	0.38	2	100	0.5	< 2	0.67	2.5	1	137	11	0.85	< 10	< 1	0.33	20	0.01	135	3
SL9601 N110476	205 226	< 0.2	0.17	2	50	< 0.5	< 2	1.71	2.0	1	81	8	0.46	< 10	< 1	0.18	10	0.01	195	3
SL9601 N110477	205 226	< 0.2	0.25	14	50	< 0.5	< 2	0.82	0.5	< 1	111	3	0.33	< 10	< 1	0.17	30	0.01	125	1
SL9601 N110478	205 226	< 0.2	0.17	16	40	< 0.5	< 2	1.00	< 0.5	1	70	19	0.52	< 10	< 1	0.16	< 10	0.01	180	3
SL9601 N110479	205 226	< 0.2	0.26	8700	60	< 0.5	< 2	0.23	2.5	1	99	1	1.09	< 10	< 1	0.21	10	0.01	70	< 1
SL9601 N110480	205 226	< 0.2	0.84	112	170	0.5	< 2	2.53	0.5	16	146	20	3.46	< 10	< 1	0.75	10	0.61	675	1
SL9601 N110501	205 226	< 0.2	0.22	244	20	< 0.5	< 2	0.71	< 0.5	1	147	5	0.53	< 10	< 1	0.11	20	0.02	175	1
SL9601 N110502	205 226	< 0.2	0.20	4780	30	0.5	< 2	1.66	< 0.5	5	110	11	1.09	< 10	< 1	0.19	10	0.03	340	1
SL9601 N110503	205 226	< 0.2	0.26	924	30	< 0.5	< 2	1.30	< 0.5	1	120	11	0.77	< 10	< 1	0.17	30	0.02	210	1
SL9601 N110504	205 226	0.2	0.17	916	30	< 0.5	< 2	0.96	< 0.5	1	95	6	0.48	< 10	< 1	0.17	30	0.01	140	3
SL9601 N110505	205 226	< 0.2	0.23	576	40	0.5	< 2	1.10	< 0.5	1	120	5	0.52	< 10	< 1	0.22	20	0.01	170	1
SL9601 N110506	205 226	< 0.2	0.17	6	40	0.5	< 2	0.75	< 0.5	5	119	43	1.59	< 10	< 1	0.20	10	0.01	195	1
SL9601 N110507	205 226	< 0.2	3.52	14	280	1.5	< 2	4.94	1.0	27	75	26	6.77	< 10	< 1	2.83	10	2.59	1125	< 1
SL9601 N110508	205 226	< 0.2	0.35	42	50	0.5	< 2	0.59	< 0.5	1	146	17	1.02	< 10	< 1	0.24	30	0.06	125	1
SL9601 N110509	205 226	< 0.2	0.16	74	60	0.5	< 2	0.46	< 0.5	1	161	23	0.82	< 10	< 1	0.16	10	0.03	90	1
SL9601 N110510	205 226	< 0.2	0.30	84	50	0.5	< 2	0.30	< 0.5	1	166	15	0.93	< 10	< 1	0.29	20	0.02	75	3
SL9601 N110511	205 226	< 0.2	0.21	48	50	0.5	< 2	0.44	< 0.5	1	86	3	0.77	< 10	< 1	0.28	40	0.03	80	4
SL9601 N110512	205 226	< 0.2	0.27	2	50	0.5	< 2	0.48	< 0.5	1	106	5	0.81	< 10	< 1	0.33	30	0.02	80	3
SL9601 N110513	205 226	< 0.2	0.18	6	60	0.5	< 2	0.68	< 0.5	1	88	13	0.78	< 10	< 1	0.26	20	0.01	110	1
SL9601 N110514	205 226	< 0.2	0.33	24	80	0.5	< 2	0.74	< 0.5	< 1	113	4	0.42	< 10	< 1	0.38	40	0.01	100	< 1
SL9601 N110515	205 226	< 0.2	< 0.01	1085	10	< 0.5	< 2	0.02	< 0.5	< 1	158	1	0.32	< 10	< 1	< 0.01	< 10	< 0.01	10	< 1
SL9601 N110516	205 226	< 0.2	0.09	18	20	< 0.5	< 2	0.28	< 0.5	< 1	262	< 1	0.33	< 10	< 1	0.07	< 10	< 0.01	55	< 1
SL9601 N110517	205 226	< 0.2	0.23	6	70	0.5	< 2	0.86	< 0.5	< 1	95	1	0.26	< 10	< 1	0.31	50	< 0.01	100	1
SL9601 N110518	205 226	< 0.2	0.30	6	50	< 0.5	< 2	0.77	< 0.5	< 1	117	1	0.24	< 10	< 1	0.25	30	0.01	95	4
SL9601 N110519	205 226	< 0.2	0.12	4	20	< 0.5	< 2	0.28	< 0.5	< 1	172	< 1	0.24	< 10	< 1	0.12	10	< 0.01	50	< 1
SL9601 N110520	205 226	< 0.2	0.50	418	100	1.0	< 2	0.48	< 0.5	2	93	9	0.76	< 10	< 1	0.53	40	0.04	125	2
SL9601 N110521	205 226	0.2	0.04	14	10	< 0.5	< 2	0.24	< 0.5	42	59	496	>15.00	< 10	1	0.09	< 10	0.02	105	< 1
SL9601 N110522	205 226	< 0.2	0.25	4	50	0.5	< 2	1.27	< 0.5	1	87	7	0.59	< 10	< 1	0.31	30	0.02	190	1
SL9601 N110523	205 226	< 0.2	0.19	8	60	0.5	< 2	1.59	< 0.5	2	64	1	0.83	< 10	< 1	0.28	40	0.10	215	< 1
SL9601 N110524	205 226	< 0.2	1.25	< 2	90	0.5	< 2	1.63	< 0.5	7	83	1	2.57	< 10	< 1	1.02	30	0.59	380	1

CERTIFICATION: *[Signature]*



Chemex Labs Ltd.

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

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

Project: SLAPSHOT
 Comments: ATTN: AL ARCHER

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 Total: 1
 Certificate Date: 16-JUL-96
 Invoice No.: 19623481
 P.O. Number:
 Account: MPO

CERTIFICATE OF ANALYSIS A9623481

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
SL9601 N110468	205 226	< 0.01	67	1160	24	< 2	11	158	0.27	< 10	< 10	98	< 10	60
SL9601 N110469	205 226	< 0.01	31	410	8	< 2	9	143	0.12	< 10	< 10	53	< 10	82
SL9601 N110470	205 226	< 0.01	17	860	4	< 2	6	50	0.45	< 10	< 10	149	< 10	130
SL9601 N110471	205 226	0.03	5	60	98	< 2	< 1	123	< 0.01	< 10	< 10	1	< 10	140
SL9601 N110472	205 226	0.03	1	110	22	< 2	< 1	27	< 0.01	< 10	< 10	< 1	< 10	36
SL9601 N110473	205 226	0.02	3	100	252	< 2	< 1	75	< 0.01	< 10	< 10	< 1	< 10	436
SL9601 N110474	205 226	0.01	3	30	6410	< 2	< 1	3	< 0.01	< 10	< 10	< 1	< 10	400
SL9601 N110475	205 226	0.04	2	110	48	< 2	< 1	20	< 0.01	< 10	< 10	< 1	< 10	156
SL9601 N110476	205 226	0.02	1	70	68	< 2	< 1	49	< 0.01	< 10	< 10	< 1	< 10	84
SL9601 N110477	205 226	0.05	1	80	32	< 2	< 1	25	< 0.01	< 10	< 10	< 1	< 10	40
SL9601 N110478	205 226	0.02	2	70	26	< 2	< 1	28	< 0.01	< 10	< 10	< 1	< 10	8
SL9601 N110479	205 226	0.03	3	60	6	< 2	< 1	18	< 0.01	< 10	< 10	< 1	< 10	120
SL9601 N110480	205 226	< 0.01	62	380	8	< 2	4	67	0.08	< 10	< 10	26	< 10	94
SL9601 N110501	205 226	0.09	4	70	8	< 2	< 1	20	< 0.01	< 10	< 10	< 1	< 10	6
SL9601 N110502	205 226	0.01	10	120	6	< 2	< 1	54	< 0.01	< 10	< 10	1	< 10	14
SL9601 N110503	205 226	0.07	1	80	24	< 2	< 1	51	< 0.01	< 10	< 10	< 1	< 10	16
SL9601 N110504	205 226	0.05	1	70	2	< 2	< 1	39	< 0.01	< 10	< 10	< 1	< 10	4
SL9601 N110505	205 226	0.07	1	60	4	< 2	< 1	39	< 0.01	< 10	< 10	< 1	< 10	< 2
SL9601 N110506	205 226	0.01	4	40	< 2	< 2	< 1	27	< 0.01	< 10	< 10	< 1	< 10	2
SL9601 N110507	205 226	< 0.01	16	870	6	< 2	20	168	0.29	< 10	< 10	181	< 10	86
SL9601 N110508	205 226	0.06	1	70	2	< 2	1	28	< 0.01	< 10	< 10	3	< 10	8
SL9601 N110509	205 226	0.01	1	30	6	< 2	< 1	20	< 0.01	< 10	< 10	1	< 10	16
SL9601 N110510	205 226	0.03	2	50	4	< 2	< 1	13	< 0.01	< 10	< 10	1	< 10	10
SL9601 N110511	205 226	0.02	< 1	70	4	< 2	< 1	18	< 0.01	< 10	< 10	< 1	< 10	10
SL9601 N110512	205 226	0.04	1	70	6	< 2	< 1	18	< 0.01	< 10	< 10	< 1	< 10	8
SL9601 N110513	205 226	0.01	1	60	6	< 2	< 1	23	< 0.01	< 10	< 10	< 1	< 10	2
SL9601 N110514	205 226	0.04	1	80	4	< 2	< 1	27	< 0.01	< 10	< 10	< 1	< 10	6
SL9601 N110515	205 226	< 0.01	3	< 10	< 2	< 2	< 1	1	< 0.01	< 10	< 10	< 1	< 10	< 2
SL9601 N110516	205 226	0.01	3	< 10	< 2	< 2	< 1	9	< 0.01	< 10	< 10	< 1	< 10	< 2
SL9601 N110517	205 226	0.03	< 1	90	12	< 2	< 1	36	< 0.01	< 10	< 10	< 1	< 10	2
SL9601 N110518	205 226	0.06	1	70	4	< 2	< 1	33	< 0.01	< 10	< 10	< 1	< 10	6
SL9601 N110519	205 226	0.01	1	20	< 2	< 2	< 1	10	< 0.01	< 10	< 10	< 1	< 10	< 2
SL9601 N110520	205 226	0.05	1	100	< 2	< 2	< 1	19	< 0.01	< 10	< 10	2	< 10	10
SL9601 N110521	205 226	< 0.01	76	< 10	2	< 2	< 1	10	< 0.01	< 10	< 10	1	< 10	8
SL9601 N110522	205 226	0.05	1	90	2	< 2	< 1	46	< 0.01	< 10	< 10	< 1	< 10	4
SL9601 N110523	205 226	0.02	5	140	4	< 2	< 1	62	< 0.01	< 10	< 10	2	< 10	12
SL9601 N110524	205 226	0.03	1	410	2	< 2	6	53	0.16	< 10	< 10	52	< 10	40

CERTIFICATION:

Alan Archer



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

Project: SLAPSHOT
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 Invoice No.: 19624074
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 Account: MPO

CERTIFICATE OF ANALYSIS A9624074

SAMPLE	PREP CODE	Au g/t FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
SL96-2 N110525	205 226	< 0.005	0.2	1.80	2	280	< 0.5	< 2	1.72	1.0	11	105	90	3.49	< 10	< 1	0.40	10	1.55	425
SL96-2 N110526	205 226	< 0.005	0.2	0.70	< 2	270	< 0.5	< 2	1.90	2.5	11	49	68	1.36	< 10	< 1	0.44	10	0.53	240
SL96-2 N110527	205 226	< 0.005	0.4	0.87	2	250	< 0.5	< 2	1.24	7.5	8	146	67	2.13	< 10	< 1	0.34	10	0.58	175
SL96-2 N110528	205 226	< 0.005	< 0.2	1.01	< 2	270	< 0.5	< 2	4.65	< 0.5	10	33	18	1.57	< 10	< 1	0.52	< 10	0.58	340
SL96-2 N110529	205 226	< 0.005	< 0.2	1.10	12	10	< 0.5	< 2	3.00	< 0.5	12	31	27	1.14	< 10	< 1	0.02	< 10	0.33	200
SL96-2 N110551	205 226	< 0.005	< 0.2	1.47	< 2	50	0.5	< 2	3.33	< 0.5	73	84	566	6.52	< 10	< 1	0.19	20	0.62	165
SL96-2 N110552	205 226	< 0.005	< 0.2	1.47	18	50	0.5	4	4.92	< 0.5	21	68	57	3.26	< 10	< 1	0.29	10	1.13	345
SL96-2 N110553	205 226	< 0.005	1.8	0.43	< 2	70	< 0.5	12	2.21	6.0	6	98	239	1.32	< 10	< 1	0.34	20	0.18	440
SL96-2 N110554	205 226	< 0.005	0.2	0.24	< 2	60	< 0.5	< 2	0.61	4.0	3	91	48	0.61	< 10	< 1	0.20	20	0.02	175
SL96-2 N110555	205 226	< 0.005	2.0	0.20	< 2	50	< 0.5	4	0.80	2.5	1	95	19	0.49	< 10	< 1	0.17	20	0.01	190
SL96-2 N110556	205 226	< 0.005	< 0.2	0.17	< 2	60	< 0.5	< 2	0.51	0.5	2	72	8	0.45	< 10	< 1	0.15	20	0.01	140
SL96-2 N110557	205 226	< 0.005	< 0.2	0.18	2	60	< 0.5	< 2	0.73	0.5	1	54	8	0.39	< 10	< 1	0.17	10	0.01	150
SL96-2 N110558	205 226	< 0.005	< 0.2	0.18	2	60	< 0.5	< 2	0.21	0.5	< 1	47	5	0.53	< 10	< 1	0.17	10	0.01	95
SL96-2 N110559	205 226	< 0.005	< 0.2	0.32	128	90	< 0.5	< 2	1.30	1.5	3	40	10	0.90	< 10	< 1	0.30	30	0.07	300
SL96-2 N110560	205 226	< 0.005	2.0	0.21	54	70	< 0.5	4	0.74	12.5	2	54	156	0.68	< 10	< 1	0.21	20	0.01	240
SL96-2 N110561	205 226	< 0.005	< 0.2	0.24	2	80	< 0.5	< 2	0.58	< 0.5	1	43	8	0.36	< 10	< 1	0.27	30	0.01	100
SL96-2 N110562	205 226	< 0.005	3.4	0.31	6	90	< 0.5	10	0.19	0.5	< 1	70	8	0.46	< 10	< 1	0.26	20	0.01	50
SL96-2 N110563	205 226	< 0.005	3.2	0.47	8	130	2.0	10	0.05	3.0	2	93	27	1.48	< 10	< 1	0.34	40	0.03	80
SL96-2 N110564	205 226	< 0.005	< 0.2	0.35	< 2	140	< 0.5	< 2	1.23	1.5	1	46	3	0.43	< 10	< 1	0.30	40	0.04	300
SL96-2 N110565	205 226	< 0.005	< 0.2	0.27	2	110	< 0.5	< 2	3.09	0.5	1	33	4	0.47	< 10	< 1	0.23	30	0.04	420
SL96-2 N110566	205 226	< 0.005	< 0.2	0.26	346	70	< 0.5	< 2	0.99	0.5	3	63	14	0.77	< 10	< 1	0.20	10	0.02	175
SL96-2 N110567	205 226	< 0.005	0.4	0.31	12	80	0.5	2	1.33	2.0	3	75	16	0.77	< 10	< 1	0.26	< 10	0.01	280
SL96-2 N110568	205 226	< 0.005	< 0.2	0.24	8	60	< 0.5	< 2	0.61	< 0.5	3	64	9	0.63	< 10	< 1	0.23	20	0.01	90
SL96-2 N110569	205 226	< 0.005	< 0.2	0.28	< 2	30	0.5	< 2	0.95	< 0.5	1	123	4	0.47	< 10	< 1	0.16	20	0.02	180
SL96-2 N110570	205 226	< 0.005	< 0.2	0.30	< 2	40	1.0	< 2	1.01	< 0.5	< 1	103	1	0.24	< 10	< 1	0.24	30	0.01	205
SL96-2 N110575	205 226	< 0.005	< 0.2	0.24	< 2	60	< 0.5	2	0.58	< 0.5	< 1	59	4	0.32	< 10	< 1	0.27	30	0.01	95

CERTIFICATION: Hank Bickler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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to: EXPATRIATE RESOURCES LTD.
 C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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Project : SLAPSHOT
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CERTIFICATE OF ANALYSIS A9624074

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
SL96-2 N110525	205 226	4	0.01	44	1110	56	< 2	3	56	0.17	< 10	< 10	74	< 10	202
SL96-2 N110526	205 226	9	0.01	70	1750	224	< 2	1	53	0.07	< 10	< 10	59	< 10	300
SL96-2 N110527	205 226	7	0.02	36	1360	482	< 2	2	42	0.11	< 10	< 10	67	< 10	924
SL96-2 N110528	205 226	< 1	0.02	20	510	12	< 2	1	110	0.12	< 10	< 10	20	< 10	46
SL96-2 N110529	205 226	< 1	0.01	14	420	4	4	1	167	0.11	< 10	< 10	12	< 10	28
SL96-2 N110551	205 226	< 1	< 0.01	112	1040	8	< 2	5	77	0.68	< 10	< 10	64	< 10	18
SL96-2 N110552	205 226	< 1	< 0.01	32	930	6	< 2	5	165	0.27	< 10	< 10	59	< 10	58
SL96-2 N110553	205 226	< 1	0.03	13	140	236	< 2	< 1	43	0.03	< 10	< 10	5	< 10	856
SL96-2 N110554	205 226	< 1	0.04	3	110	126	< 2	< 1	17	< 0.01	< 10	< 10	< 1	< 10	356
SL96-2 N110555	205 226	< 1	0.04	2	90	532	< 2	< 1	23	< 0.01	< 10	< 10	< 1	< 10	230
SL96-2 N110556	205 226	< 1	0.04	2	80	30	< 2	< 1	13	< 0.01	< 10	< 10	< 1	< 10	120
SL96-2 N110557	205 226	< 1	0.04	1	110	22	< 2	< 1	18	< 0.01	< 10	< 10	< 1	< 10	82
SL96-2 N110558	205 226	1	0.05	1	150	32	< 2	< 1	11	< 0.01	< 10	< 10	< 1	< 10	92
SL96-2 N110559	205 226	3	0.02	3	140	30	< 2	< 1	40	< 0.01	< 10	< 10	< 1	< 10	198
SL96-2 N110560	205 226	5	0.02	2	110	480	< 2	< 1	22	< 0.01	< 10	< 10	< 1	< 10	1680
SL96-2 N110561	205 226	3	0.03	1	130	10	< 2	< 1	16	< 0.01	< 10	< 10	< 1	< 10	64
SL96-2 N110562	205 226	3	0.03	1	100	1590	2	< 1	12	< 0.01	< 10	< 10	< 1	< 10	92
SL96-2 N110563	205 226	5	0.03	3	160	954	< 2	< 1	15	< 0.01	< 10	< 10	< 1	< 10	412
SL96-2 N110564	205 226	1	0.03	2	120	20	2	< 1	56	< 0.01	< 10	< 10	< 1	< 10	100
SL96-2 N110565	205 226	1	0.02	1	110	10	< 2	< 1	91	< 0.01	< 10	< 10	< 1	< 10	30
SL96-2 N110566	205 226	1	0.04	3	140	64	< 2	< 1	35	< 0.01	< 10	< 10	< 1	< 10	30
SL96-2 N110567	205 226	2	0.01	4	130	422	2	< 1	49	< 0.01	< 10	< 10	< 1	< 10	104
SL96-2 N110568	205 226	1	0.03	2	120	30	< 2	< 1	19	< 0.01	< 10	< 10	< 1	< 10	12
SL96-2 N110569	205 226	2	0.03	2	50	12	< 2	< 1	32	< 0.01	< 10	< 10	< 1	< 10	18
SL96-2 N110570	205 226	3	0.04	1	100	8	< 2	< 1	36	< 0.01	< 10	< 10	< 1	< 10	4
SL96-2 N110575	205 226	2	0.03	1	130	2	< 2	< 1	17	< 0.01	< 10	< 10	< 1	< 10	8

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To: EXPATRIATE RESOURCES LTD.
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VANCOUVER, BC
V6B 1L8

Project: FINLAYSON/SLAPSHOT
Comments:

Page Number: 1-A
Total Pages: 1
Certificate Date: 25-JUL-96
Invoice No.: I9624236
P.O. Number:
Account: MPO

CERTIFICATE OF ANALYSIS A9624236

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
N110307	205	226	0.6	1.05	6	40	< 0.5	< 2	1.74	< 0.5	8	89	95	3.80	< 10	1	0.11	20	0.31	65	< 1

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Total Pages : 1
Certificate Date: 25-JUL-96
Invoice No. : 19624236
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS

A9624236

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
N110307	205 226	< 0.01	10	980	2	< 2	3	65	0.31	< 10	< 10	25	< 10	8

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Certificate Date: 25-JUL-96
Invoice No. : I9624466
P.O. Number :
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CERTIFICATE OF ANALYSIS A9624466

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
SL96-03 N110571	205 294	< 0.2	1.48	< 2	440	< 0.5	< 2	1.77	0.5	11	209	41	2.17	< 10	< 1	0.55	10	1.16	370	9
SL96-03 N110572	205 294	< 0.2	0.75	< 2	230	< 0.5	< 2	0.83	0.5	7	138	46	1.20	< 10	< 1	0.37	10	0.56	90	9
SL96-03 N110573	205 294	< 0.2	0.72	< 2	290	< 0.5	< 2	0.66	< 0.5	6	163	50	0.97	< 10	< 1	0.44	< 10	0.31	65	1
SL96-03 N110574	205 294	< 0.2	0.61	< 2	90	< 0.5	< 2	4.80	< 0.5	9	40	39	1.07	< 10	< 1	0.15	10	0.34	245	1
SL96-03 N110576	205 294	0.2	1.65	< 2	220	< 0.5	< 2	5.19	5.0	10	189	51	3.10	< 10	< 1	0.21	10	0.95	1485	< 1
SL96-03 N110577	205 294	0.6	1.94	< 2	130	< 0.5	< 2	4.09	9.5	13	169	97	4.17	< 10	< 1	0.12	10	1.20	1440	1

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A9624466

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
SL96-03 N110571	205	294	0.04	74	2800	18	< 2	4	47	0.06	< 10	< 10	137	< 10	134
SL96-03 N110572	205	294	0.02	80	2140	32	< 2	3	27	0.08	< 10	< 10	109	< 10	52
SL96-03 N110573	205	294	0.03	22	320	4	< 2	3	20	0.15	< 10	< 10	20	< 10	34
SL96-03 N110574	205	294	0.03	17	840	4	< 2	1	146	0.10	< 10	< 10	15	< 10	16
SL96-03 N110576	205	294	0.01	35	1570	56	< 2	2	154	0.05	< 10	< 10	44	< 10	582
SL96-03 N110577	205	294	< 0.01	39	1580	148	< 2	3	132	0.08	< 10	< 10	46	< 10	1285

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Total Pages : 1
Certificate Date: 29-AUG-96
Invoice No. : I9628806
P.O. Number :
Account : MPO

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A9628806

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
N110338	205	226	< 0.2	0.75	4	30	< 0.5	< 2	0.56	2.5	6	79	41	2.17	< 10	< 1	0.16	40	0.44	425	3
N110339	205	226	< 0.2	0.84	6	50	< 0.5	< 2	0.19	< 0.5	6	62	78	2.60	< 10	< 1	0.31	40	0.54	140	< 1

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A9628806

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
N110338	205	226	< 0.01	7	300	2	< 2	2	9	0.01	< 10	< 10	7	< 10	500
N110339	205	226	0.03	3	140	6	< 2	2	10	0.05	< 10	< 10	7	< 10	32

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 Certificate Date: 15-SEP-96
 Invoice No. :19631046
 P.O. Number :
 Account :MPO

Project : SLAPSHOT
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CERTIFICATE OF ANALYSIS A9631046

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
N110192	205	226	1.6	1.36	9060	100	< 0.5	2	0.07	< 0.5	2	155	150	2.79	< 10	< 1	0.43	30	1.10	365	2
N110193	205	226	0.2	0.54	18	80	< 0.5	< 2	0.71	1.0	5	180	43	2.01	< 10	< 1	0.43	50	0.06	375	3
N110194	205	226	0.2	1.12	6	120	< 0.5	< 2	0.08	< 0.5	2	156	133	2.02	< 10	1	0.47	20	0.86	215	4
N110195	205	226	< 0.2	1.07	18	80	< 0.5	16	0.07	4.0	2	271	221	2.80	< 10	< 1	0.47	10	0.53	335	10
N110196	205	226	< 0.2	0.85	8	290	< 0.5	< 2	0.51	< 0.5	12	252	115	3.00	< 10	< 1	0.24	< 10	0.49	255	118
N110197	205	226	0.2	0.18	24	260	< 0.5	< 2	< 0.01	< 0.5	< 1	119	25	1.27	< 10	< 1	0.21	10	< 0.01	5	2

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Invoice No. : 19631046
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9631046

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
N110192	205 226	< 0.01	5	240	104	< 2	1	5	0.01	< 10	< 10	5	< 10	68
N110193	205 226	< 0.01	8	340	70	< 2	1	14	< 0.01	< 10	< 10	6	< 10	276
N110194	205 226	< 0.01	2	280	2	< 2	< 1	5	0.01	< 10	< 10	3	< 10	106
N110195	205 226	0.02	4	260	26	< 2	1	7	0.02	< 10	< 10	6	< 10	998
N110196	205 226	< 0.01	46	520	6	< 2	1	70	0.04	< 10	< 10	70	< 10	38
N110197	205 226	< 0.01	1	160	20	< 2	< 1	5	< 0.01	< 10	< 10	1	< 10	40

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Total Pages : 1
Certificate Date: 06-OCT-96
Invoice No. : 19632852
P.O. Number :
Account : MPO

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A9632852

SAMPLE	PREP		Al2O3 %	CaO %	Cr2O3 %	Fe2O3 %	K2O %	MgO %	MnO %	Na2O %	P2O5 %	SiO2 %	TiO2 %	LOI %	TOTAL	Ba	Rb	Sr	Nb	Zr	Y
	CODE		XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	%	ppm	ppm	ppm	ppm	ppm	ppm
SL96-01 N110283	208	226	15.11	11.69	< 0.01	5.14	1.41	3.56	0.09	4.02	0.13	56.82	0.60	1.14	99.71	940	36	450	18	156	22
SL96-01 N110284	208	226	13.42	0.74	< 0.01	1.30	3.74	0.26	0.03	3.10	0.04	75.20	0.20	1.64	99.67	618	134	40	20	183	44

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Project: SLAPSHOT
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Page 1 of 1
Total 1
Certificate Date: 20-OCT-96
Invoice No.: 19635210
P.O. Number:
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CERTIFICATE OF ANALYSIS

A9635210

SAMPLE	PREP		Al2O3 %	CaO %	Cr2O3 %	Fe2O3 %	K2O %	MgO %	MnO %	Na2O %	P2O5 %	SiO2 %	TiO2 %	LOI %	TOTAL %	Ba ppm	Rb ppm	Sr ppm	Nb ppm	Zr ppm	Y ppm
	CODE		XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	%						
C10001	283	--	12.03	1.38	< 0.01	1.11	5.24	0.14	0.03	2.39	0.04	71.04	0.21	2.05	95.66	775	182	58	16	183	42
C10002	283	--	12.53	1.15	< 0.01	1.17	2.48	0.07	0.02	3.68	0.04	76.76	0.21	1.78	99.89	380	116	74	16	198	42

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APPENDIX IV

VANCOUVER PETROGRAPHICS LTD. REPORT



Vancouver Petrographics Ltd.

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

Report # 960618 for:

**Tom Becker,
Archer Cathro & Associates,
1016 - 510 West Hastings Street,
Vancouver, B.C., V6B 1L8**

September, 1996

copy to:

**Lee Pigage,
L.C. Pigage Consulting,
2 Rosewood Place,
Whitehorse, Yukon, Y1A 4X3**

Project: Finlayson

Property: Slap Shot

**Samples: SL96-01: 11.25 m, 23.80 m, 27.42 m, 37.95 m, 48.80 m
SL96-02: 26.48 m, 64.05 m, 75.50 m**

Summary:

The metamorphic grade cannot be defined accurately because of the lack of diagnostic minerals. The presence of biotite and muscovite and absence of chlorite in many samples suggest that the metamorphism is in the upper greenschist facies or higher.

Veinlets probably formed during retrogressive metamorphism, as suggested by the presence of chlorite in some of these.

Sample SL96-01 11.25 m is a well foliated micaceous quartzite dominated by quartz with much less muscovite and biotite (in part as porphyroblasts), with minor dolomite/calcite, sphene and apatite. Muscovite is concentrated moderately in muscovite-rich seams parallel to a prominent foliation, defined by these seams and by the flattening of quartz grains. Locally, muscovite-rich seams are folded in small drag folds whose axial planes are parallel to the foliation. A veinlet perpendicular to foliation is of K-feldspar-(chlorite). Another sub-perpendicular to the foliation is of ankerite-muscovite-(limonite).

Sample SL96-01 23.80 m is a strongly banded metamorphic rock dominated by epidote with much less abundant plagioclase and minor tremolite/actinolite and dolomite. The texture of the hand sample rock suggests soft-sediment deformation, and a few tight to open folds are up to several mm across. If this is a relic primary texture, the original rock probably was a finely laminated, deformed, very fine andesitic tuffaceous sedimentary rock. Coarser grained lenses, mainly of tremolite-plagioclase or plagioclase-(quartz) probably were formed by recrystallization during metamorphism. A few veinlets are of dolomite and minor chlorite. The presence of the assemblage epidote-tremolite/actinolite suggests lower amphibolite facies (albite-epidote-amphibolite).

Sample SC96-01 26.78 m is a well and finely banded calc-silicate dominated by plagioclase with less abundant epidote and much less abundant K-feldspar, quartz, muscovite, and tremolite. A few bands are dominated by epidote-muscovite-(tremolite), one coarser grained band is dominated by quartz, and one band consists of epidote-tremolite with abundant interstitial K-feldspar. Some of the banding may reflect primary sedimentary banding. The protolith probably was a tuffaceous sedimentary rock of andesitic to dacitic composition. Two sub-parallel veinlets are of K-feldspar-plagioclase-tremolite. A few veinlets are of calcite.

Sample SL96-01 27.42 m is an altered mafic/ultramafic dike with an unusual mica-rich composition. It is dominated by extremely fine grained biotite/chlorite (after amphibole or pyroxene), with moderately abundant disseminated patches of sphene, phenocrysts(?) of muscovite, and interstitial patches of quartz and chlorite with less abundant ankerite and hematite. Veinlets are of ankerite-(sericite-quartz), of limonite/hematite, and of sericite-(dolomite). No relic casts of sulfides were seen, but the presence of abundant limonite suggests a nearby source of iron. Biotite/chlorite probably was formed during late-stage alteration.

Sample SL96-01 37.95 m is a metamorphic rock of andesitic composition dominated by plagioclase and tremolite/actinolite, with lesser biotite, epidote, and chlorite, moderately abundant sphene, and minor calcite. An irregular calcite veinlet has an envelope containing abundant fine to medium grained biotite. Textures suggest that biotite was present before the vein formed, and that it was not formed in an alteration envelope about the veinlet. However, the strong spatial association suggests a genetic relationship. It probably represents a metamorphosed hypabyssal rock (andesite or diorite).

The samples from SL96-02 are of a metamorphosed muscovite granodiorite to quartz diorite, with a very variable plagioclase/K-feldspar ratio. Much of the K-feldspar may have formed during potassium metasomatism associated with metamorphism. Plagioclase megacrysts (relics from the original rock) were recrystallized, corroded moderately, and replaced slightly to very strongly by K-feldspar. Those megacrysts not replaced by K-feldspar contain extremely fine, discontinuous albite twins, typical of metamorphosed plagioclase. Muscovite is concentrated strongly in irregular seams which define a weak to moderate foliation. The metamorphic grade probably is upper greenschist to lower amphibolite.

Sample SL96-02 48.80 m is a metamorphosed muscovite granodiorite containing abundant megacrysts of plagioclase in a very fine to fine grained groundmass dominated by quartz and plagioclase, with much less abundant muscovite and minor patches of opaque, Ti-oxide, and calcite. Muscovite is concentrated moderately in irregular seams which define a weak foliation. Plagioclase megacrysts are replaced strongly by K-feldspar.

Sample SL96-02 64.05 m is a metamorphosed muscovite quartz diorite containing scattered relic megacrysts of plagioclase in a groundmass of finer grained, recrystallized plagioclase intergrown with quartz, muscovite and much less abundant calcite. Muscovite is concentrated in irregular seams which define a weak to moderate foliation. Minor minerals include Ti-oxide and apatite.

Sample SL96-02 75.50 m is a metamorphosed muscovite granodiorite containing scattered relic megacrysts of plagioclase in a groundmass of finer grained, recrystallized plagioclase intergrown with quartz, muscovite and much less abundant calcite. Some of the megacrysts are replaced strongly by K-feldspar. Muscovite is concentrated in irregular seams which define a weak to moderate foliation. Minor minerals include Ti-oxide and apatite. At one end of the section is an altered band several mm wide of quartz and muscovite with much less abundant calcite. It is cut by a veinlet of K-feldspar-sericite.



John G. Payne, PhD.,
Tel: (604)-986-2928
Fax: (604)-983-3318

**Sample SL96-01 11.25 m Well Foliated Muscovite-Biotite Quartzite;
Veinlet of K-feldspar-(Chlorite); Ankerite-Muscovite-(Limonite)**

The sample is a well foliated micaceous quartzite dominated by quartz with much less muscovite and biotite (in part as porphyroblasts), with minor dolomite/calcite, sphene and apatite. Muscovite is concentrated moderately in muscovite-rich seams parallel to a prominent foliation, defined by these seams and by flattening of quartz grains. Locally, muscovite-rich seams are folded in small drag folds whose axial planes are parallel to the foliation. A veinlet perpendicular to foliation is of K-feldspar-(chlorite). Another sub-perpendicular to the foliation is of ankerite-muscovite-(limonite).

quartz	82-85%	apatite	0.3
muscovite	7- 8	Ti-oxide	0.1
biotite	7- 8	opaque	0.1
dolomite/calcite	2- 3	zircon	trace
sphene	0.3		
veinlets			
K-feldspar-(chlorite)	0.3		
ankerite-muscovite-(limonite)	0.1		

Quartz forms anhedral grains averaging 0.07-0.15 mm in size, with a few up to 0.2 mm long. Many grains are elongated moderately parallel to foliation, with an aspect ratio of between 2 and 2.5.

Plagioclase forms scattered, anhedral grains averaging 0.1-0.15 mm in size. Grains are identified by the presence of coarse albite twinning. Some untwinned grains may also be of plagioclase.

Muscovite forms flakes averaging 0.1-0.5 mm long, mainly oriented parallel to foliation, and concentrated moderately in muscovite-rich seams parallel to foliation.

Biotite forms disseminated flakes averaging 0.4-1 mm in size and a few up to 1.7 mm long. Many of these are sub-parallel to foliation and a few are at a high angle to foliation. Pleochroism is from very pale to light brown.

Dolomite/calcite forms patches up to 0.6 mm in length of grains averaging 0.1-0.3 mm in size; it is concentrated moderately in seams parallel to foliation.

Sphene forms disseminated, subhedral to euhedral grains averaging 0.02-0.05 mm in size.

Apatite forms disseminated, equant grains averaging 0.05-0.1 mm in size. These both are concentrated moderately to strongly in muscovite-rich seams. Epidote forms disseminated grains averaging 0.03-0.05 mm in size, mainly in muscovite-rich seams. Opaque forms disseminated, anhedral grains averaging 0.1-0.15 mm in size. Zircon forms subhedral to anhedral grains averaging 0.03-0.05 mm in size.

Limonite/hematite forms lensy patches up to 0.1 mm in size.

A veinlet perpendicular to foliation averaging 0.05-0.12 mm wide is of extremely fine to very fine grained, interlocking K-feldspar grains and disseminated patches of chlorite patches averaging 0.05 mm in size. Carbonate forms a few patches up to 0.2 mm in size.

A discontinuous, patchy veinlet up to 0.1 mm wide is of very fine grained ankerite and extremely fine grained muscovite (stained medium orange by limonite).

**Sample SL96-01 23.80 m Banded Epidote-Plagioclase-(Tremolite-Dolomite) Rock;
(after Andesitic Tuffaceous Sedimentary Rock)
Veinlet of Dolomite-(Chlorite)**

The rock is a strongly banded rock dominated by epidote with much less abundant plagioclase and minor tremolite/actinolite and dolomite. The texture of the hand sample rock suggests soft-sediment deformation, and a few tight to open folds are up to several mm across. If this is a relic primary texture, the original rock probably was a finely laminated, deformed, very fine andesitic tuffaceous sedimentary rock. Coarser grained lenses, mainly of tremolite-plagioclase or plagioclase-(quartz) probably were formed by recrystallization during metamorphism. A few veinlets are of dolomite and minor chlorite.

epidote	70-75%	K-feldspar	1- 2%
plagioclase	20-25	spene	0.1
tremolite/actinolite	3- 4	muscovite	trace
dolomite	1- 2		
veinlets			
dolomite-(chlorite)	0.3		

Epidote forms equant grains averaging 0.02-0.05 mm in size, with a few up to 0.1 mm in size. One patch 0.7 mm across is of a ragged epidote grain containing abundant dusty inclusions.

Plagioclase forms grains averaging 0.02-0.05 mm in size intergrown with epidote. A few bands up to a few mm across are dominated by plagioclase with minor to moderately abundant epidote. A few coarser grained bands up to 0.5 mm across are dominated by plagioclase grains averaging 0.05-0.2 mm in size, with a few grains up to 0.5 mm across. In these a few plagioclase show weakly developed albite twins, and others are untwinned and resemble quartz in texture. It is possible that some of these bands do contain quartz intergrown with plagioclase. One discontinuous lens up to 0.6 mm wide parallel to foliation is of plagioclase grains averaging 0.05-0.08 mm in size and equant quartz grains averaging 0.15-0.2 mm across.

K-feldspar is intergrown with plagioclase in irregular patches and bands (see stained offcut block for distribution of K-feldspar). In the thin section, it was not possible to distinguish K-feldspar from plagioclase optically.

Tremolite/actinolite forms anhedral prismatic grains averaging 0.1-0.15 mm long and a few up to 0.4 mm long; most are oriented parallel to foliation. It is pale green in colour. It is concentrated strongly in several averaging 0.2-0.3 mm wide as grains averaging 0.15-0.3 mm in length and a few grains up to 0.6 mm long. A few bands are of tremolite/actinolite with moderately abundant, interstitial plagioclase. A few bands up to 0.25 mm wide have textures suggestive of veinlets; in these many grains are oriented perpendicular to the walls of the bands. They probably were formed by recrystallization.

Dolomite is concentrated in a few lenses up to 0.6 mm wide as interstitial patches to extremely fine grained epidote.

Sphene forms disseminated grains averaging 0.01-0.02 mm in size.

Muscovite forms one equant flake 0.12 mm across

A few veinlets up to 0.05 mm wide are of very fine grained dolomite with minor patches of cryptocrystalline, medium olive green chlorite.

**Sample SC96-01 26.78 m Plagioclase-Epidote-(K-feldspar-Quartz-Muscovite) Calc-silicate;
Veinlets of K-feldspar-Plagioclase-Tremolite, Calcite**

The sample is a well and finely banded calc-silicate dominated by plagioclase with less abundant epidote and much less abundant K-feldspar, quartz, muscovite, and tremolite. A few bands are dominated by epidote-muscovite-(tremolite), one coarser grained band is dominated by quartz, and one band consists of epidote-tremolite with abundant interstitial K-feldspar. Two sub-parallel veinlets are of K-feldspar-plagioclase-tremolite. A few veinlets are of calcite. The protolith probably was a tuffaceous sedimentary rock of andesitic to dacitic composition.

plagioclase	45-50%
epidote	25-30
K-feldspar	7- 8
tremolite	4- 5
quartz	3- 4
muscovite	2- 3
sphene	0.2
veinlets	
K-feldspar-plagioclase-tremolite-(epidote)	0.5
calcite	0.2

Plagioclase forms anhedral, mainly untwinned grains averaging 0.05-0.1 mm in size with a few up to 0.2 mm across.

Epidote forms grains averaging 0.03-0.05 mm in size and a few up to 1 mm long. It commonly is concentrated in lenses parallel to foliation.

A few bands up to 2.5 mm across are dominated by epidote grains averaging 0.07-0.15 mm in size intergrown with muscovite flakes from 0.07-0.2 mm long. Tremolite forms minor to moderately abundant, disseminated, elongate, prismatic grains averaging 0.2-0.5 mm in length.

K-feldspar is concentrated strongly in several narrow bands, in part with epidote and muscovite, as grains averaging 0.05-0.1 mm in size. A few K-feldspar grains are up to 0.8 mm in size. A few patches are dominated by intergrowths of epidote, tremolite, and interstitial K-feldspar.

Quartz is concentrated in one coarser grained band up to 3 mm wide. It forms anhedral grains averaging 0.1-0.3 mm in size intergrown with moderately abundant epidote and muscovite. Muscovite is concentrated strongly in a few patches up to 1.5 mm in size of flakes averaging 0.2-0.5 mm long.

Sphene forms disseminated grains averaging 0.02-0.05 mm in size, which are concentrated moderately to strongly in bands of epidote-muscovite.

Two parallel veinlets 0.18-0.25 mm wide are of very fine grained K-feldspar-plagioclase with scattered clusters of acicular to prismatic tremolite grains, mainly oriented sub-perpendicular to the vein walls. The larger vein also contains minor disseminated grains of epidote.

Calcite forms a few ragged veinlets up to 0.1 mm wide, concentrated in and near the epidote-muscovite-rich bands.

**Sample SL96-01 27.42 m Altered Mafic/Ultramafic Dike;
Veinlets of Ankerite-(Sericite-Quartz); Limonite; Sericite-(Dolomite)**

The rock has an unusual mica-rich composition. It is dominated by extremely fine grained biotite/chlorite (after amphibole or pyroxene), with moderately abundant disseminated patches of sphene, phenocrysts(?) of muscovite, and interstitial patches of quartz and chlorite with less abundant ankerite and hematite. Veinlets are of ankerite, of limonite/hematite, and of sericite-(dolomite).

biotite	65-70%	chlorite	2- 3%
	(after amphibole or pyroxene)	hematite	0.5
muscovite	8-10	ankerite	0.3
sphene	8-10	apatite	0.1
quartz	3- 4		
veinlets and lenses			
ankerite/dolomite-(sericite-quartz)	2- 3		
limonite	2- 3		
sericite-(dolomite)	2- 3		

Much of the rock consist of extremely fine grained biotite/chlorite, probably after subhedral to anhedral amphibole or pyroxene grains averaging 0.1-0.4 mm in size. Biotite is mainly pale to light brown in colour, but grains are too fine to determine pleochroism accurately. As well, some of the brown colour is from limonite/hematite. A few patches are of extremely fine grained, pale to light green chlorite.

Muscovite forms disseminated, subhedral to anhedral flakes averaging 0.3-0.5 mm in size and clusters of several flakes averaging 0.1-0.2 mm in grain size.

Sphene forms anhedral patches of subrounded grains averaging 0.05-0.5 mm in size. Some larger grains contain minor inclusions of opaque (ilmenite).

Quartz forms interstitial patches of interlocking grains averaging 0.02-0.05 mm in size. Several interstitial grains are up to 1.5 mm in size; these are strained strongly.

Interstitial patches up to 0.5 mm in size are dominated by extremely fine grained chlorite and/or quartz. Chlorite is pleochroic from pale yellowish green to light green. A few patches contain abundant very fine to fine grained ankerite and patches averaging 0.05-0.15 mm in size of opaque to deep reddish brown hematite.

Opaque to deep red-brown hematite forms disseminated grains averaging 0.03-0.15 mm in size.

Apatite forms anhedral grains averaging 0.03-0.1 mm in size, and a few anhedral prismatic grains from 0.2-0.3 mm long.

A few veinlets/veins up to 0.5 mm wide are of very fine grained ankerite. One of these is zoned, with a border zone of ankerite and a core of extremely fine grained sericite.

A vein up to 1.5 mm wide is of opaque to deep reddish brown hematite with abundant cavities. Related, braided veinlets are of dark brown limonite. Bordering the main hematite/limonite vein is a lens up to several mm long and a few mm wide is of fine to medium grained dolomite/ankerite and minor interstitial quartz.

A late veinlet up to 0.2 mm wide of extremely fine grained sericite cuts one of the braided limonite veinlets. A related vein up to 0.9 mm wide has a broad core of very fine grained sericite and discontinuous zones along the border of equant carbonate grains averaging 0.03-0.05 mm in size.

Sample SL96-01 37.95 m Metamorphosed Andesite(?): Plagioclase-Tremolite/Actinolite-Biotite-Epidote-Chlorite-Sphene; Calcite Veinlet

The sample is a metamorphic rock of andesitic composition dominated by plagioclase and tremolite/actinolite, with lesser biotite, epidote, and chlorite, moderately abundant sphene, and minor calcite. An irregular calcite veinlet has an envelope containing abundant fine to medium grained biotite. Textures suggest that biotite was present before the vein, and that it was not formed in an alteration envelope about the veinlet. However, the strong spatial association suggests a genetic relationship.

plagioclase	35-40%
tremolite/actinolite	35-40
biotite	10-12
epidote	5- 7
chlorite	3- 4
sphene	3- 4
calcite	0.1
apatite	minor
veinlets	
calcite	0.3

Plagioclase forms anhedral grains averaging 0.05-0.1 mm in size. It is concentrated in plagioclase-rich patches and lenses up to a few mm in size. Most grains are untwinned and are difficult to distinguish optically from quartz. However, the presence of a few weakly twinned grains suggest that all of the similar untwinned grains also are plagioclase rather than quartz.

Tremolite/actinolite forms subhedral, prismatic grains averaging 0.3-1 mm in size. Pleochroism is from pale to very light green.

Biotite forms flakes averaging 0.5-1.2 mm in size. It is concentrated strongly in clusters up to a few mm in size, many of which are associated spatially with the late carbonate veinlet. This zone shows up well macroscopically in the thin section.

Epidote forms anhedral grains averaging 0.03-0.05 mm in size, mainly intergrown with plagioclase and a few skeletal grains up to 0.5 mm across.

Chlorite forms patches up to 0.8 mm long of disseminated flakes averaging 0.05-0.15 mm long, mainly interstitial to tremolite/actinolite. It is pale green in colour. It appears to be in equilibrium with biotite.

Sphene forms irregular patches up to 1.5 mm in size of extremely fine grains. Some elongate seams are concentrated in one direction.

Calcite forms a few disseminated, equant grains up to 0.12 mm in size. The reaction of dilute HCl on the hand sample suggests that calcite is much more abundant in it than in the thin section.

Apatite forms anhedral grains averaging 0.03-0.06 mm in size and clusters up to 0.1 mm in size of grains averaging 0.015-0.03 mm in size.

An irregular veinlet averaging 0.08 mm wide is of very fine grained calcite. It occupies tension fractures controlled by cleavage in medium to coarse biotite flakes.

**Sample SL96-02 48.80 m Metamorphosed Muscovite Granodiorite;
Strong K-feldspar Alteration of Plagioclase**

Abundant megacrysts of plagioclase are set in a very fine to fine grained groundmass dominated by quartz and plagioclase, with much less abundant muscovite and minor patches of opaque, Ti-oxide, and calcite. Muscovite is concentrated moderately in irregular seams which define a weak foliation. Plagioclase megacrysts are replaced strongly by K-feldspar.

megacrysts	
plagioclase	30-35%
groundmass	
quartz	30-35
plagioclase	20-25
muscovite	4- 5
opaque	0.5
Ti-oxide	0.2
calcite	0.1
apatite	trace

Plagioclase forms relic, anhedral, equant grains averaging 0.3-1.2 mm in size and a few elongate ones up to 1.7 mm long. Many are replaced strongly by K-feldspar. Others contain moderately abundant, tiny inclusions of calcite and sericite. Some are intergrown moderately with groundmass quartz and calcite.

In the groundmass, plagioclase forms anhedral grains averaging 0.1-0.2 mm in size and a few up to 0.3 mm across. These are fresh. Quartz forms anhedral grains averaging 0.05-0.12 mm in size.

Muscovite forms anhedral flakes averaging 0.2-0.5 mm in size. It is concentrated moderately in wispy seams which define a weak foliation.

Calcite forms disseminated anhedral grains averaging 0.05-0.1 mm in size.

Opaque forms disseminated patches up to 0.8 mm in size of grains averaging 0.05-0.1 mm in size. Some of these are intergrown with lenses of muscovite.

Ti-oxide/leucoxene forms ragged, disseminated patches up to 0.2 mm in size of cryptocrystalline aggregates. It is concentrated moderately with muscovite.

Apatite forms disseminated, subhedral grains averaging 0.03-0.05 mm in size.

A discontinuous veinlet averaging 0.05 mm wide is mainly of cryptocrystalline limonite. It contains an elongate lens of quartz 1.2 mm long.

Sample SL96-02 64.05 m Metamorphosed Muscovite Quartz Diorite

The sample contains scattered relic megacrysts of plagioclase in a groundmass of finer grained, recrystallized plagioclase intergrown with quartz, muscovite and much less abundant calcite. Muscovite is concentrated in irregular seams which define a weak to moderate foliation. Minor minerals include Ti-oxide and apatite.

megacrysts	
plagioclase	7- 8%
groundmass	
plagioclase	50-55
quartz	25-30
muscovite	8-10
calcite	3- 4
Ti-oxide	0.2
apatite	0.1
opaque	0.1
hornblende	minor
zircon	trace

Plagioclase forms ragged, in part corroded megacrysts averaging 0.8-1.2 mm in size. Grains have very finely laminated, discontinuous, irregular albite twins; this texture is typical of metamorphosed plagioclase. Some contain moderately abundant inclusions averaging 0.01-0.02 mm in size of calcite and minor cryptocrystalline inclusions of sericite. Many are intergrown with very fine grained, rounded groundmass quartz and plagioclase averaging 0.05 mm in grain size. A few grains contain minor calcite inclusions up to 0.15 mm in size.

In the groundmass, plagioclase forms anhedral grains averaging 0.05-0.2 mm in size. A few show weakly developed albite twins; many are untwinned, and are difficult to distinguish optically from quartz.

Quartz forms disseminated grains averaging 0.1-0.2 mm in size and a few up to 0.5 mm across. It is concentrated in a few quartz-rich patches up to a few mm long as grains averaging 0.2-0.5 mm in size. Many grains are strained moderately.

Muscovite forms anhedral flakes averaging 0.15-0.5 mm in size. It is concentrated moderately to strongly in somewhat irregular, sub-parallel seams up to 1 mm wide, which define a weak to moderate foliation.

Calcite forms irregular grains averaging 0.05-0.1 mm in size with a few up to 0.2 mm across.

One patch 0.6 mm long may be secondary after hornblende. It was altered to cryptocrystalline sericite and limonite with minor calcite and opaque.

Apatite forms anhedral grains averaging 0.1-0.2 mm in size.

Opaque forms disseminated grains averaging 0.07-0.12 mm in size. One patch 0.4 mm across is of grains averaging 0.02-0.05 mm in size. Cubic outlines of some grains and the presence of patches of deep red-brown hematite suggest that the opaque is pyrite replaced partly by hematite.

Ti-oxide forms disseminated patches averaging 0.05-0.1 mm in size and a few up to 0.2 mm across of cryptocrystalline grains.

Zircon forms disseminated, anhedral to subhedral, equant grains averaging 0.02-0.03 mm in size and a few up to 0.05 mm in size.

**Sample SL96-02 75.50 m Metamorphosed Muscovite Granodiorite;
 Altered Band at one end of Quartz-Muscovite-(Calcite);
 Veinlet of K-feldspar-Sericite**

Scattered relic megacrysts of plagioclase occur in a groundmass of finer grained, recrystallized plagioclase intergrown with quartz, muscovite and much less abundant calcite. Some of the megacrysts are replaced strongly by K-feldspar. Muscovite is concentrated in irregular seams which define a weak to moderate foliation. Minor minerals include Ti-oxide and apatite. At one end of the section is an altered band several mm wide of quartz and muscovite with much less abundant calcite. It is cut by a veinlet of K-feldspar-sericite.

megacrysts

plagioclase/K-feldspar 8-10%

groundmass

plagioclase	35-40	Ti-oxide	0.3%
quartz	20-25	opaque	0.2
muscovite	5- 7	zircon	trace
calcite	1- 2		

altered band

quartz	15-17	calcite	0.3%
muscovite	5- 7	Ti-oxide	0.1

veinlet

K-feldspar-sericite 0.5

Plagioclase forms ragged, in part corroded megacrysts averaging 0.8-1.2 mm in size and a few up to 1.7 mm long. Grains have very finely laminated, discontinuous, irregular albite twins; this texture is typical of metamorphosed plagioclase. Some are intergrown moderately with groundmass quartz grains averaging 0.05-0.1 mm in size. Most grains are replaced moderately to strongly by K-feldspar. Several grains (which are not replaced by K-feldspar) contain several inclusions of calcite up to 0.1 mm in size.

In the groundmass, plagioclase forms anhedral grains averaging 0.05-0.2 mm in size. A few show weakly developed albite twins; many are untwinned, and are difficult to distinguish optically from quartz.

Quartz forms disseminated grains averaging 0.05-0.1 mm in size and a few up to 0.2 mm across. It is concentrated in a few quartz-rich patches up to a few mm long as grains averaging 0.2-0.5 mm in size. Many grains are strained moderately.

Muscovite forms anhedral flakes averaging 0.2-0.5 mm in size and a few up to 1 mm long. It is concentrated moderately to strongly in sub-parallel seams averaging 0.1-0.5 mm wide, which define a moderate foliation. One muscovite-rich seam contains a discontinuous lens up to 0.2 mm wide of extremely fine grained, moderately interlocking plagioclase and quartz grains.

Calcite forms irregular grains averaging 0.1-0.15 mm in size with a few up to 0.4 mm across.

Opaque forms disseminated grains averaging 0.07-0.12 mm in size. One patch 0.4 mm across is of grains averaging 0.02-0.05 mm in size. Cubic outlines of some grains and the presence of patches of deep red-brown hematite suggest that the opaque is pyrite replaced partly by hematite.

Ti-oxide forms disseminated patches averaging 0.05-0.1 mm in size and a few up to 0.2 mm across of cryptocrystalline grains.

(continued)

Opaque forms a few patches up to 0.3 mm long, mainly associated with muscovite-rich seams. Zircon forms disseminated, anhedral to subhedral, equant grains averaging 0.02-0.03 mm in size and a few up to 0.05 mm in size, mainly in muscovite-rich bands. Apatite forms anhedral grains averaging 0.1-0.2 mm in size.

At one end of the section, the altered zone several mm wide is dominated by quartz and muscovite with much less calcite. Quartz forms equant grains averaging 0.05-0.15 mm in size. Muscovite is concentrated strongly in seams parallel to foliation of flakes as in the main rock. Calcite forms anhedral grains averaging 0.1-0.2 mm in size and a few up to 0.4 mm across.

Ti-oxide forms scattered ragged patches up to 0.1 mm in size. Apatite forms disseminated grains averaging 0.03-0.08 mm in size.

A lensy vein up to 0.3 mm wide parallel to foliation is of extremely fine grained K-feldspar with minor to moderately abundant extremely fine grained sericite concentrated along the margins.

APPENDIX V

SLAP SHOT GPS COORDINATES

Slap Shot 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			
SL96-01	1649	6810282	399286	Standard	W	9-July-96
SL96-02	1649	6810282	399286	Standard	W	9-July-96
SL96-03	1728	6810245	399471	Standard	W	9-July-96

B. Grid Station Points

	Grid Coordinates		UTM Coordinates		Data Quality	Base Station	Date
	Northing	Easting	Northing	Easting			
	10700	10000	6803963	398376	Standard	W	24-Aug-96
	10700	10600	6803975	399002	Standard	W	24-Aug-96
	10000	10600	6803315	398960	Standard	W	24-Aug-96
	10000	10000	6803287	398381	Standard	W	24-Aug-96
OLD GRID	9100	7700	6810146	399139	Standard	W	11-June-96
NEW GRID	9100	7700	6810097	399141	Standard	W	11-June-96
	9100	8600	6810116	400022	Standard	W	13-June-96
	9100	8400	6810129	399786	Poor	W	17-June-96

C. Expatriate Resources Ltd. Claim Posts

Claim	Posts 1	Posts 2	UTM Coordinates		Data Quality	Base Station	Date
			Northing	Easting			
Blue Line	1, 2	-	6801640	398016	Standard	W	25-Aug-96
	3, 4	1, 2	6802088	398012	Standard	W	25-Aug-96
	5, 6	3, 4	6802339	397993	Standard	W	25-Aug-96
	7, 8	5, 6	6802912	398041	Standard	W	24-Aug-96
	-	7, 8	6803364	398023	Uncorrected	-	28-June-96
Blue Line	9, 10	-	6801479	398989	Standard	W	25-Aug-96
	11, 12	9, 10	6801924	398965	Standard	DL	28-June-96
	13, 14	11, 12	6802382	398943	Uncorrected	-	28-June-96
	15, 16	13, 14	6802823	398981	Uncorrected	-	28-June-96
	17, 18	15, 16	6803279	398954	Uncorrected	-	28-June-96
	19, 20	17, 18	6803686	399008	Standard	W	25-Aug-96
	-	19, 20	6804262	399000	Standard	W	25-Aug-96
Blue Line	21, 22	-	6803364	398023	Uncorrected	-	28-June-96
	23, 24	21, 22	6803804	398032	Uncorrected	-	28-June-96
	-	23, 24	6804243	398021	Uncorrected	-	28-June-96

Blue Line	25, 26	-	6801733	399929	Standard	W	25-Aug-96
	27, 28	25, 26	6802171	399905	Standard	W	18-June-96
	29, 30	27, 28	6802622	399895	Standard	W	18-June-96
	31, 32	29, 30	6803084	399884	Standard	W	25-Aug-96
	-	31, 32	6803529	399872	Standard	W	25-Aug-96
Rink	1, 2	-	-	-	N/S	-	-
	3, 4	1, 2	6805642	400808	Uncorrected	-	16-June-96
	5, 6	3, 4	6806082	400808	Standard	W	16-June-96
	7, 8	5, 6	6806473	400804	Poor	W	16-June-96
	9, 10	7, 8	6806969	400786	Standard	W	16-June-96
	-	9, 10	6807428	400765	Poor	W	16-June-96
Rink	11, 12	-	6805336	401621	Uncorrected	-	16-June-96
	13, 14	11, 12	6805850	401530	Uncorrected	-	16-June-96
	15, 16	13, 14	6806226	401545	Uncorrected	-	16-June-96
	17, 18	15, 16	6806630	401512	Uncorrected	-	16-June-96
	19, 20	17, 18	6807053	401487	Uncorrected	-	16-June-96
	-	19, 20	-	-	N/S	-	-
Rink	21, 22	-	6811241	401897	Standard	DL	1-July-96
	23, 24	21, 22	6810792	401919	Standard	DL	1-July-96
	25, 26	23, 24	6810424	401906	Poor	DL	1-July-96
	27, 28	25, 26	6809919	401980	Poor	DL	1-July-96
	29, 30	27, 28	6809446	401997	Standard	DL	1-July-96
	31, 32	29, 30	6808971	402022	Standard	DL	1-July-96
	-	31, 32	6808531	402086	Standard	DL	1-July-96
	Rink	33, 34	-	6808214	398807	Poor	W
35, 36		33, 34	-	-	N/S	-	-
37, 38		35, 36	6807880	400296	Standard	DL	1-July-96
39, 40		37, 38	6807901	400757	Standard	DL	1-July-96
41, 42		39, 40	6807900	401151	Standard	DL	1-July-96
43, 44		41, 42	6807939	401585	Standard	DL	1-July-96
45, 46		43, 44	-	-	N/S	-	-
47, 48		45, 46	-	-	N/S	-	-
49, 50		47, 48	-	-	N/S	-	-
51, 52		49, 50	-	-	N/S	-	-
-		51, 52	-	-	N/S	-	-
Rink		53, 54	-	-	-	N/S	-
	55, 56	53, 54	-	-	N/S	-	-
	57, 58	55, 56	6809493	402841	Poor	DL	1-July-96
	59, 60	57, 58	6809931	402820	Standard	DL	1-July-96
	61, 62	59, 60	6810380	402785	Standard	DL	1-July-96
	63, 64	61, 62	-	-	N/S	-	-
	-	63, 64	-	-	N/S	-	-
Rink	65, 66	-	6808542	403366	Standard	W	13-June-96
	67, 68	65, 66	-	-	N/S	-	-
	69, 70	67, 68	-	-	N/S	-	-
	71, 72	69, 70	-	-	N/S	-	-
	73, 74	71, 72	-	-	N/S	-	-
	75, 76	73, 74	-	-	N/S	-	-
	-	75, 76	-	-	N/S	-	-
Rink	77, 78	-	6801226	400600	Poor	W	18-June-96
	79, 80	77, 78	6801723	400573	Standard	W	18-June-96
	81, 82	79, 80	6802164	400569	Poor	W	18-June-96
	83, 84	81, 82	6802593	400567	Poor	W	18-June-96
	-	83, 84	6803031	400568	Poor	W	18-June-96

Rink	85, 86	-	6801168	401477	Poor	W	19-June-96
	87, 88	85, 86	6801705	401445	Poor	W	19-June-96
	89, 90	87, 88	6802162	401424	Standard	W	19-June-96
	91, 92	89, 90	6802589	401399	Poor	W	19-June-96
	-	91, 92	6803015	401432	Standard	W	19-June-96
Rink	93, 94	-	6801221	402379	Standard	W	14-June-96
	95, 96	93, 94	6801668	402353	Standard	W	14-June-96
	97, 98	95, 96	-	-	N/S	-	-
	99, 100	97, 98	6802549	402390	Standard	W	14-June-96
	101, 102	99, 100	6803040	402364	Standard	W	14-June-96
	103, 104	101, 102	6803477	402376	Poor	W	14-June-96
	105, 106	103, 104	6803918	402424	Standard	W	14-June-96
	107, 108	105, 106	6804371	402438	Standard	W	13-June-96
	109, 110	107, 108	6804694	402461	Poor	W	13-June-96
	111, 112	109, 110	6805230	402460	Standard	W	13-June-96
	113, 114	111, 112	6805668	402457	Poor	W	13-June-96
	115, 116	113, 114	6806099	402408	Poor	W	13-June-96
	117, 118	115, 116	6806549	402462	Standard	W	13-June-96
	-	117, 118	6807005	402446	Standard	W	13-June-96
	Rink	119, 120	-	6802031	403470	Standard	W
121, 122		119, 120	6802440	403458	Standard	W	15-June-96
123, 124		121, 122	6802867	403463	Poor	W	15-June-96
125, 126		123, 124	6803306	403441	Standard	W	15-June-96
127, 128		125, 126	6803762	403402	Poor	W	15-June-96
129, 130		127, 128	6804182	403365	Poor	W	13-June-96
131, 132		129, 130	6804608	403356	Poor	W	13-June-96
133, 134		131, 132	6805014	403354	Poor	W	13-June-96
135, 136		133, 134	6805479	403323	Poor	W	13-June-96
137, 138		135, 136	6805893	403318	Poor	W	13-June-96
139, 140		137, 138	6806343	403291	Poor	W	13-June-96
141, 142		139, 140	6806768	403291	Poor	W	13-June-96
143, 144		141, 142	6807160	403295	Poor	W	13-June-96
-		143, 144	6807612	403290	Standard	W	13-June-96
Shot		1, 2	-	6811050	398753	Standard	W
	3, 4	1, 2	6811055	399180	Standard	W	9-July-96
	5, 6	3, 4	6811064	399633	Standard	W	9-July-96
	7, 8	5, 6	-	-	N/S	-	-
	9, 10	7, 8	6811091	400531	Standard	W	9-July-96
	11, 12	9, 10	6811079	400969	Standard	W	9-July-96
	13, 14	11, 12	6811074	401402	Standard	W	9-July-96
	-	13, 14	6811086	401818	Standard	W	9-July-96
	-	-	-	-	-	-	-
Shot	15, 16	-	6810213	398786	Standard	W	9-July-96
	17, 18	15, 16	6810240	399169	Standard	W	9-June-96
	19, 20	17, 18	6810242	399577	Standard	W	9-July-96
	21, 22	19, 20	6810257	400026	Standard	W	13-June-96
	23, 24	21, 22	-	-	N/S	-	-
	25, 26	23, 24	-	-	N/S	-	-
	27, 28	25, 26	-	-	N/S	-	-
	-	27, 28	-	-	N/S	-	-
Shot	29, 30	-	-	-	N/S	-	-
	31, 32	29, 30	-	-	N/S	-	-
	33, 34	31, 32	-	-	N/S	-	-
	35, 36	33, 34	-	-	N/S	-	-
	-	35, 36	-	-	N/S	-	-
Shot	37, 38	-	-	-	N/S	-	-
	39, 40	37, 38	6812567	401617	Standard	W	17-June-96

	41, 42	39, 40	6812558	401407	Standard	W	17-June-96
	43, 44	41, 42	6812486	400511	Standard	W	17-June-96
	45, 46	43, 44	6812524	400066	Poor	W	17-June-96
	47, 48	45, 46	6812328	399830	Poor	W	17-June-96
	-	47, 48	6812016	399379	Standard	W	17-June-96
Shot	49, 50	-	-	-	N/S	-	-
	51, 52	49, 50	-	-	N/S	-	-
	53, 54	51, 52	6811599	402378	Poor	W	17-June-96
	55, 56	53, 54	-	-	N/S	-	-
	57, 58	55, 56	-	-	N/S	-	-
	59, 60	57, 58	-	-	N/S	-	-
	61, 62	59, 60	6811481	404137	Uncorrected	-	9-June-96
	63, 64	61, 62	6811520	404570	Standard	W	9-June-96
	65, 66	63, 64	-	-	N/S	-	-
	-	65, 66	6811582	405440	Standard	W	9-June-96
Shot	67, 68	-	6812455	404900	Uncorrected	-	9-June-96
	69, 70	67, 68	-	-	N/S	-	-
	71, 72	69, 70	-	-	N/S	-	-
	73, 74	71, 72	-	-	N/S	-	-
	-	73, 74	-	-	N/S	-	-
Shot	75, 76	-	6811613	398290	Standard	W	23-June-96
	77, 78	75, 76	6811174	398306	Standard	W	23-June-96
	79, 80	77, 78	6810752	398334	Standard	W	23-June-96
	81, 82	79, 80	6810274	398363	Standard	W	23-June-96
	83, 84	81, 82	6809868	398386	Standard	W	23-June-96
	85, 86	83, 84	6809481	398444	Standard	W	20-June-96
	-	85, 86	6809208	398432	Poor	W	20-June-96
Shot	87, 88	-	6811177	397394	Standard	W	23-June-96
	89, 90	87, 88	6810741	397414	Standard	W	23-June-96
	91, 92	89, 90	6810318	397439	Standard	W	23-June-96
	93, 94	91, 92	6809867	397453	Standard	W	23-June-96
	95, 96	93, 94	6809417	397475	Poor	W	23-June-96
	-	95, 96	6808993	397487	Standard	W	23-June-96
Shot	97, 98	-	-	-	N/S	-	-
	-	97, 98	-	-	N/S	-	-
	99, 100	-	-	-	N/S	-	-
	101, 102	99, 100	-	-	N/S	-	-
	-	101, 102	-	-	N/S	-	-
Shot	103, 104	-	6808173	397044	Standard	W	29-June-96
	105, 106	103, 104	6808183	397488	Poor	W	29-June-96
	107, 108	105, 106	6808168	397947	Poor	W	29-June-96
	109, 110	107, 108	6808209	398354	Standard	W	29-June-96
	-	109, 110	6808214	398807	Poor	W	29-June-96
Shot	111	-	-	-	N/S	-	-
	112	111	-	-	N/S	-	-
	113	112	-	-	N/S	-	-
	114	113	6807770	399251	Standard	DL	1-July-96
	-	114	6807779	399727	Standard	DL	1-July-96
Shot	115, 116	-	6807707	397511	Poor	W	29-June-96
	117, 118	115, 116	6807294	397531	Standard	W	29-June-96
	119, 120	117, 118	6806879	397543	Standard	W	29-June-96
	121, 122	119, 120	6806455	397572	Standard	DL	28-June-96
	123, 124	121, 122	-	-	N/S	-	-
	125, 126	123, 124	6805619	397629	Standard	DL	28-June-96

127, 128	125, 126	6805225	397645	Uncorrected	-	28-June-96
-	127, 128	6804753	397633	Uncorrected	-	28-June-96

D. Geological Stations

Claim	Station	UTM Coordinates		Data Quality	Base Station	Date
		Northing	Easting			
Blue Line	BB04685	6803658	398470	Standard	DL	1-July-96
	BB04684	6803371	398712	Standard	DL	1-July-96
Rink	BB01171	6805173	400825	Uncorrected	-	16-June-96
Shot	GOSSAN	6810915	402494	Standard	DL	1-July-96
	TRENCH	6810249	399190	Standard	W	11-June-96

E. Claim Posts From Adjoining Claim Blocks

Claim	Posts 1	Posts 2	UTM Coordinates		Data Quality	Base Station	Date
			Northing	Easting			
Hot	5, 7	-	6809413	400753	Standard	W	13-June-96
	6, 8	5, 7	6809419	400369	Standard	W	13-June-96
	13, 15	6, 8	6809408	399968	Standard	W	13-June-96
	14, 16	13, 15	6809434	399579	Standard	W	13-June-96
	17, 18	14, 16	6809467	399165	Uncorrected	-	10-June-96
	10, 12	9, 11	6808606	399634	Standard	W	29-June-96
	9, 11	2, 4	6808604	400056	Standard	W	10-June-96
1st Base	13, 14	-	6803517	399875	Poor	W	18-June-96

APPENDIX III

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

EXPATRIATE RESOURCES LTD.

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

Part I of 3 - Text

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

and

C. C. Lee B.Sc.

PROPERTIES

LEAGUE
ICE
BREAKAWAY
REF1
REF2
REF3
BUZZER
SLAPSHOT
HAT TRICK

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

SUMMARY

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

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

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

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

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

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

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

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

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

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

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

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

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1.0 INTRODUCTION

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

The geophysical surveys were performed on the following properties:

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

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

2.0 GRIDS AND GRID REGISTRATION

The geophysical surveys were conducted over grids centred on favourable geology or promising geochemical or airborne geophysical responses. The grids normally consisted of a cut slope corrected base line and cut, slope chained (not slope

corrected) survey lines. Maxmin surveys were performed on slope chained survey grids while some magnetometer surveys were conducted over slope corrected soil geochemical grids. Most of the grid stations were picketed with tagged and flagged survey lathe and should be recoverable for several years hence.

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

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

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

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

$$x' = x - x_0$$

$$y' = y - y_0$$

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

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

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

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

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

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

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

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

1. Determine the location of the end points of each line and the point of intersection between the survey line and the base line by reading off the coordinates from the digitized grid map. These are fixed registration points.
2. Interpolate the location of the stations between the registration points using the UTM coordinates of each of the two registration points at either end of the line segment.

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

3.0 HLEM THEORY AND INTERPRETATION PROCEDURES

The horizontal loop EM method is well described in standard texts such as Telford *et. al.* (1990) and Ketola and Puranen (1967). This section summarizes the key features

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

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

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

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

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

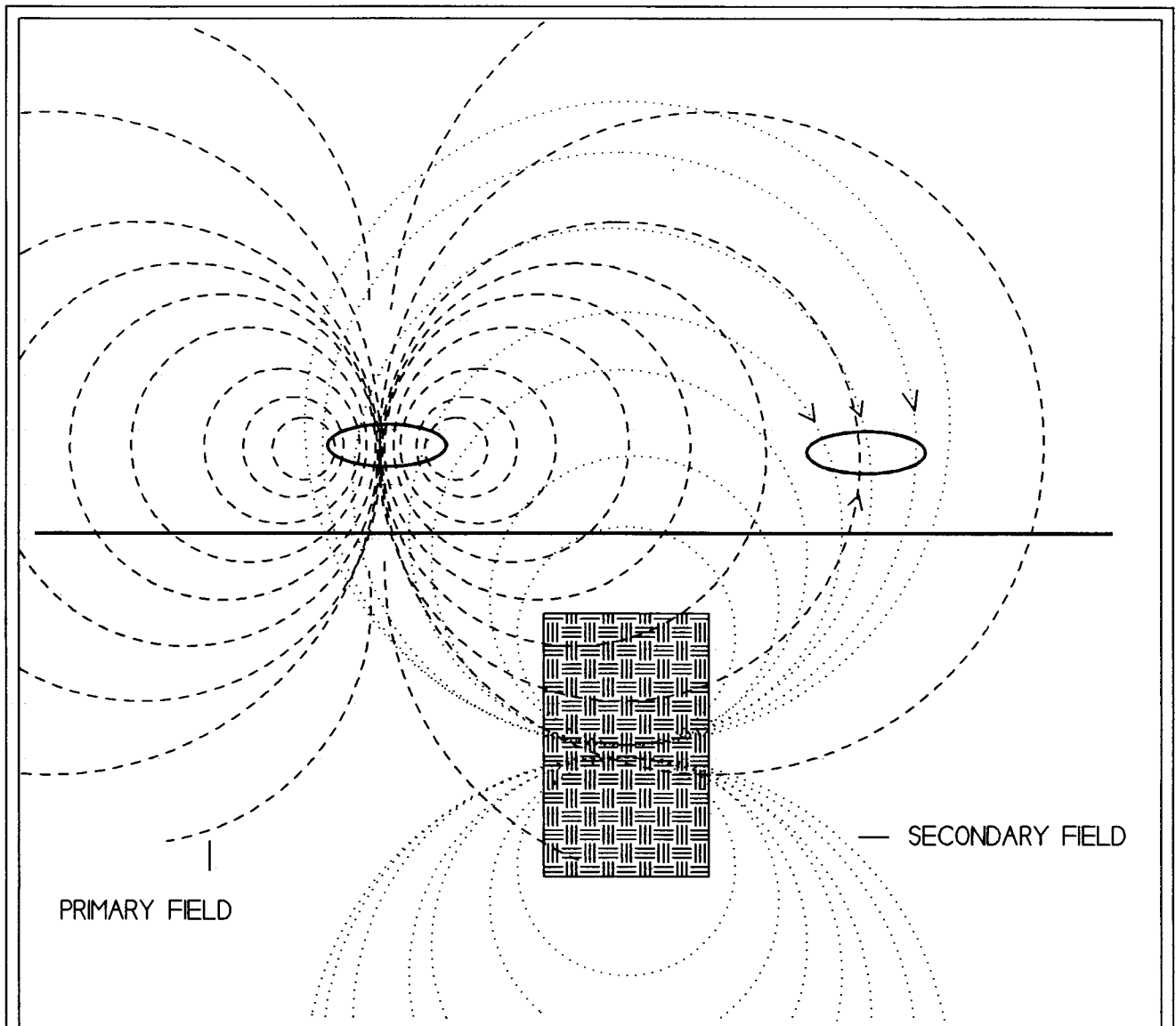


Figure 1. HLEM source field. The field from the transmitter loop produces an oscillating vertical magnetic dipole. This induces a secondary field in a conductive body in the earth. At the receiver coil, both the primary field and secondary field are received.

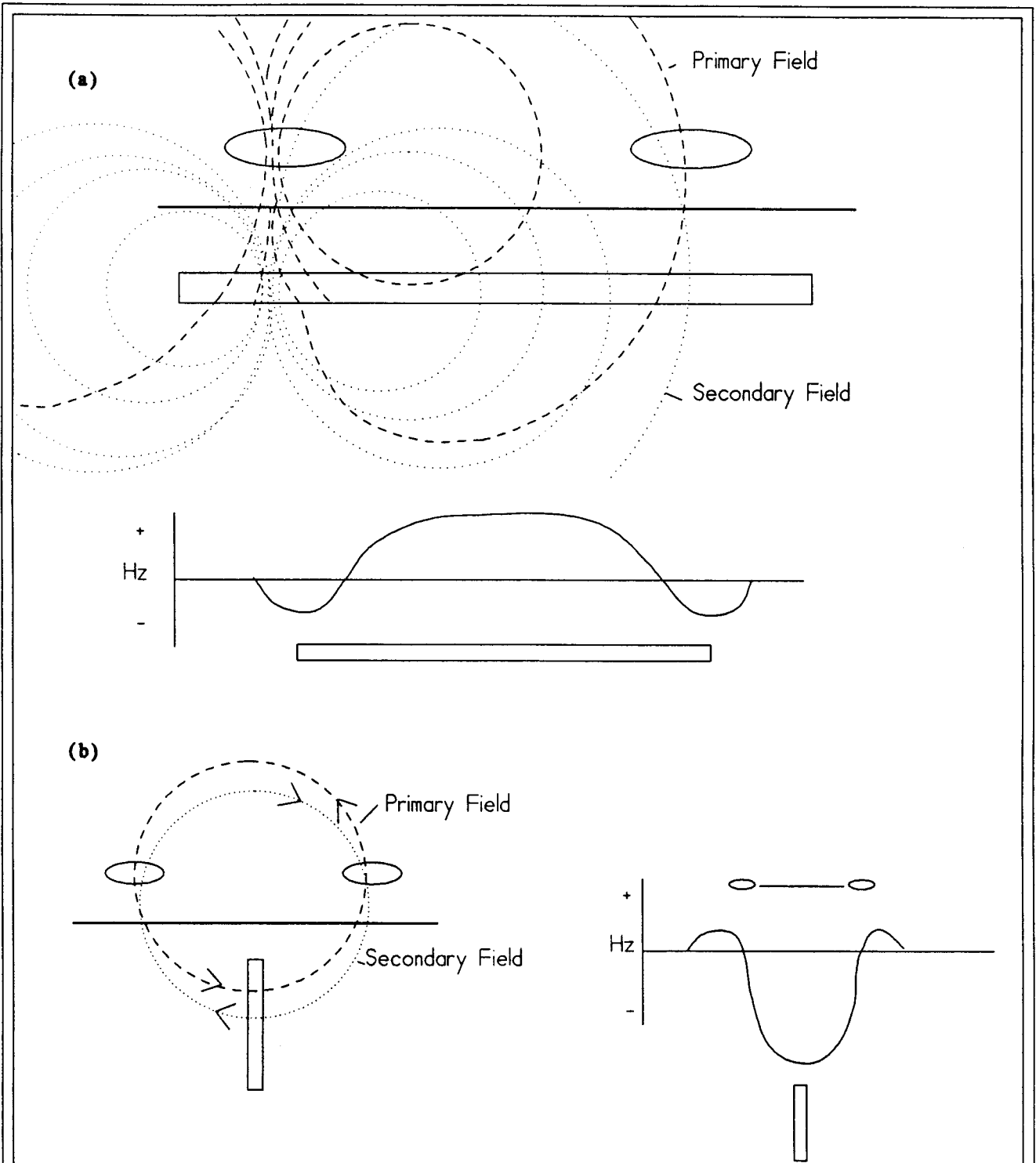


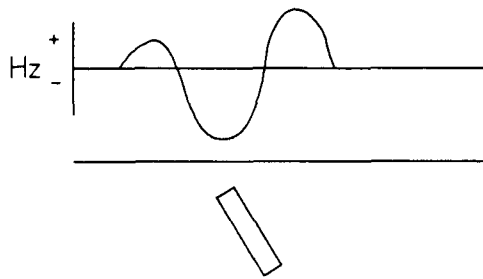
Figure 2. HLEM responses. (a) Response over a flat lying conductor consists of a positive response. (b) Response over a dipping conductor consists of a negative response.

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

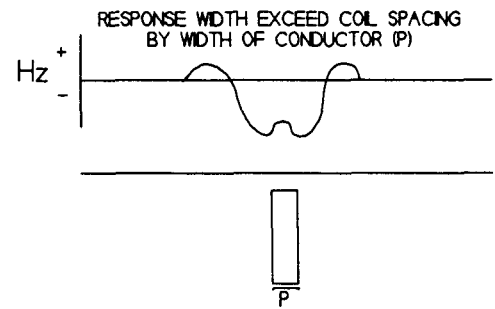
A dipping tabular conductor can be specified by the dip and dip direction, depth to top, target width and electrical conductance (conductivity thickness product or σt). The effect of varying these parameters is shown in Figure 3 for the case of a response from a single isolated HLEM conductor. Asymmetry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

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

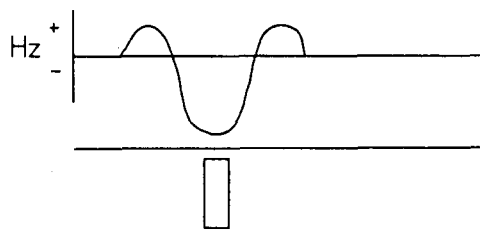
(a)



(b)



(c)



(d)

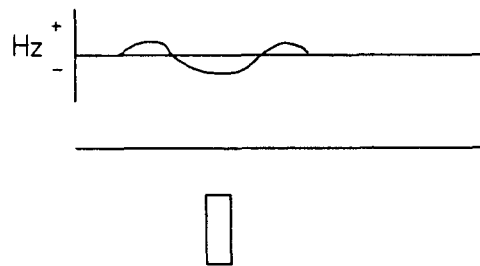
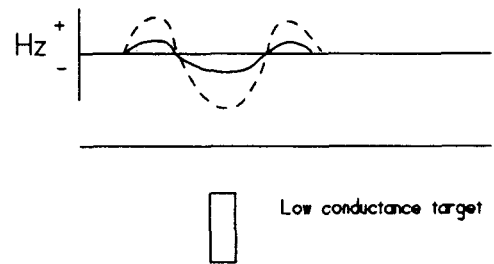


Figure 3. HLEM response of dipping tabular conductors. (a) Effect of dip on HLEM response. (b) Effect of depth. (c) Effect of conductor width. (d) Effect of conductance.

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

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

4.0 MAGNETIC FIELD INTERPRETATION PROCEDURES

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

5.0 SURVEY PROCEDURES

The geophysical surveys were performed with the following instruments:

HLEM instruments

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

Magnetic field instruments

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

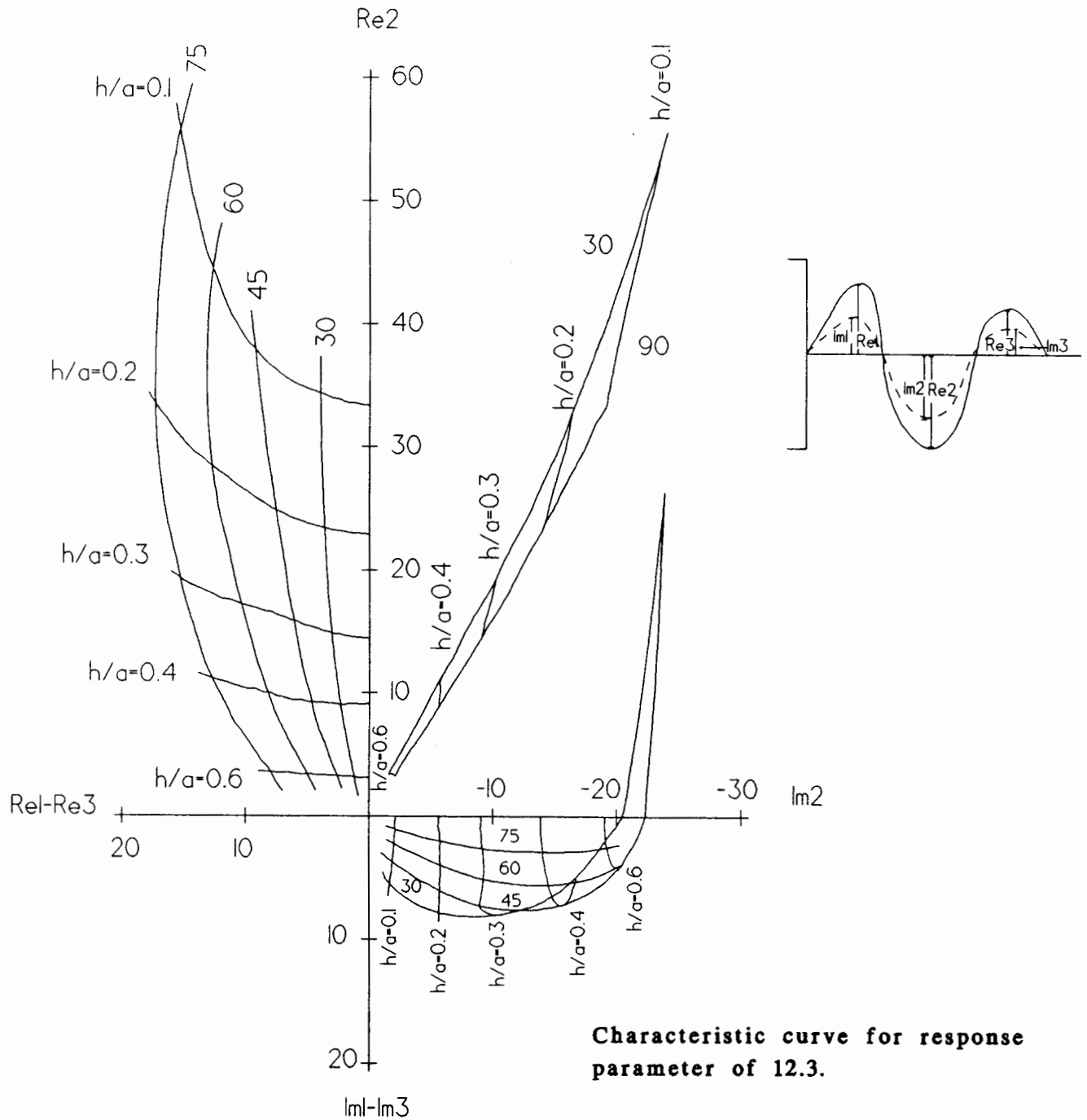


Figure 4. Characteristic curves for a dipping tabular conductor from Ketola and Puranen (1967). Critical measurements of the response shown in the upper right are extracted and plotted to determine the geometry and conductance of the target.

Other

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

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

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

6.0 DATA PRESENTATION AND FORMATS

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

```
Line  Station  UTM_Easting  UTM_Northing  Corr_mag
```

For the HLEM data, the common format is:

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

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

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

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

12.0 SLAPSHOT PROPERTY

Ground total magnetic field surveys and horizontal loop electromagnetic field surveys were conducted on the Slapshot Property from June 15 - 17, 1996 by C. Lee, M. Bedard and B. Spaurel.

12.1 Survey specifications

A two line grid consisting of 1.8 line-km with a base line azimuth of 87° was cut on the property. Stations were picketed with tagged survey lathe and the base line was slope corrected. The HLEM survey covered 1.1 line-km and the magnetic field survey covered 1.8 line-km of this grid. The surveys were conducted using the standard specifications described in section 5.0

12.2 Data

The survey grid location was registered to UTM NAD27 coordinates using a differential GPS location and the measured base line azimuth. Copies of the digital data are appended to this report in the standard format. Plots of the data collected are contained in the back pockets of this report in the SLAPSHOT section. The following figures display the data collected on this property:

Figure	Location	Description
SL-1	Pocket	Total magnetic field colour contour map.
SL-2	Pocket	Maxmin I-9 / 220 Hz -100 m coils stacked profiles
SL-3	Pocket	Maxmin I-9 / 880 Hz - 100 m coils stacked profiles
SL-4	Pocket	Maxmin I-9 / 3520 Hz - 100 m coils stacked profiles

12.3 Results and interpretation

A frequency invariant positive HLEM anomaly occurs at line 7900E 225N. The source of this anomaly is unknown but the frequency invariant nature of the response suggest that it may be due to either a coil control problem (short coils) or to a deep seated non-conductive magnetic source. There is no indication of such a source in this area in the magnetic field data however and the anomaly is suspect. The magnetic field indicates the presence of a magnetic dipole anomaly at line 7900E 362.5N; there is no associated HLEM anomaly.

16.0 CONCLUSION

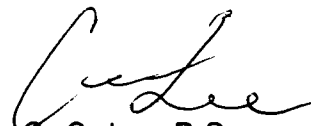
The results of the field work lead to the following general operational conclusions:

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

Respectfully submitted
AMEROK GEOSCIENCES LTD.



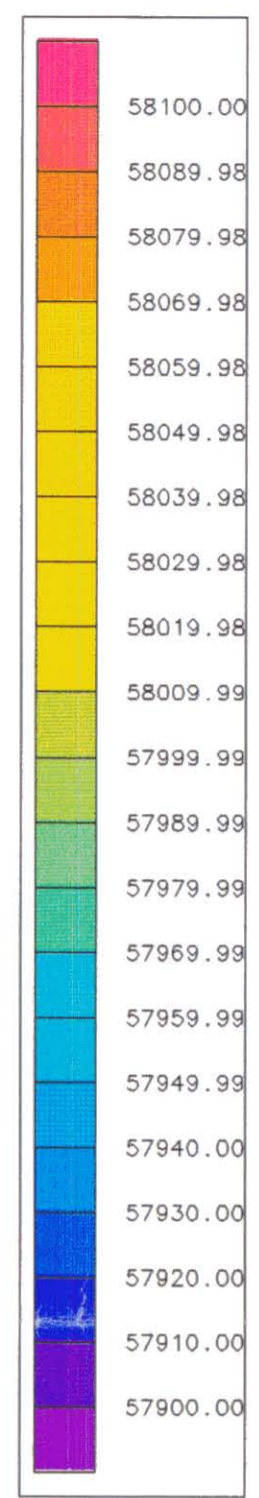
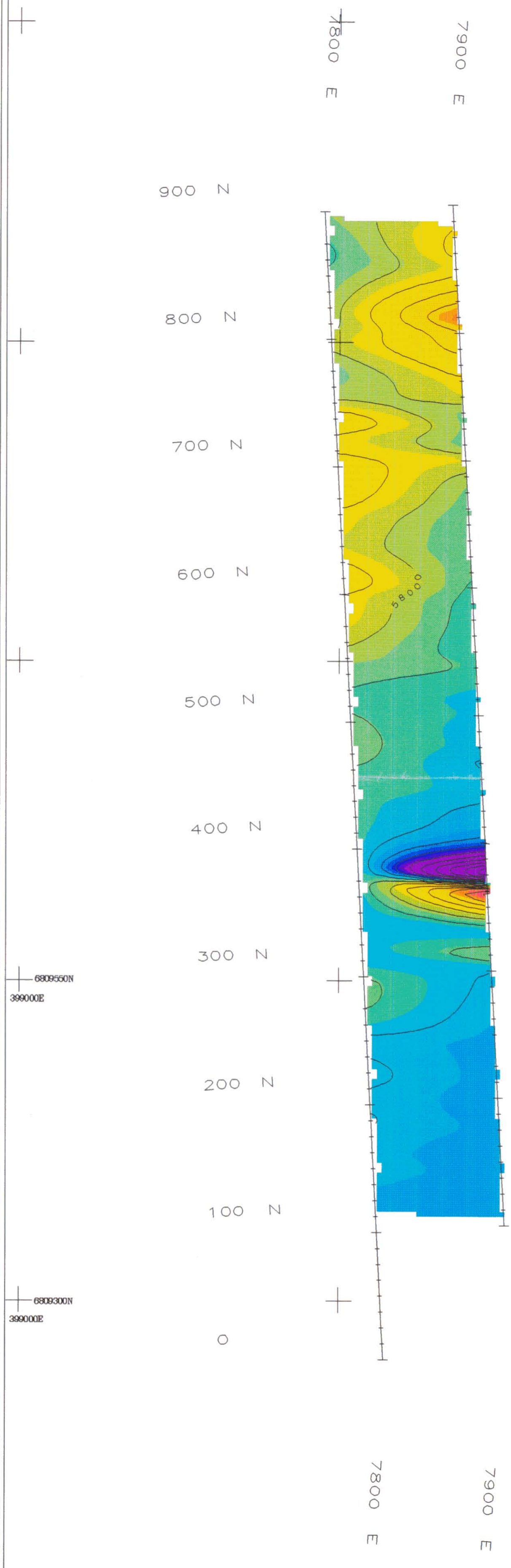
M. A. Power M.Sc. P.Geo.
Geophysicist



C. C. Lee B.Sc.
Geologist

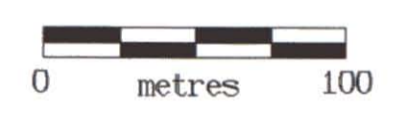
REFERENCES CITED

- Telford, W.M., L.P. Geldart and R.E. Sheriff (1990) Applied Geophysics (2nd Edition)
New York: Cambridge University Press.
- Ketola, M. and M. Puranen (1967) Type curves for the interpretation of Slingram
(horizontal loop) anomalies over tabular bodies. Geological Survey of Finland
Report of Investigations No. 1.
- Varre, T. (1990) Apex Parametrics Maxmin I-9 manual. Uxbridge: Apex Parametrics.



093587

CONTOUR INTERVAL: 20 nT



SCALE: 1:2500

EXPATRIATE RESOURCES LTD.

SLAPSHOT PROPERTY

NTS: 105 G/7
(Grid registered to UTM Datum NAD 27)

TOTAL MAGNETIC FIELD
SURVEY
CONTOUR MAP



FIG. SL - 1

681000N
399100E

7800 E
7900 E

681000N
399600E

600 N

600 N

500 N

500 N

400 N

400 N

300 N

300 N

200 N

200 N

200 N

100 N

100 N

0

0

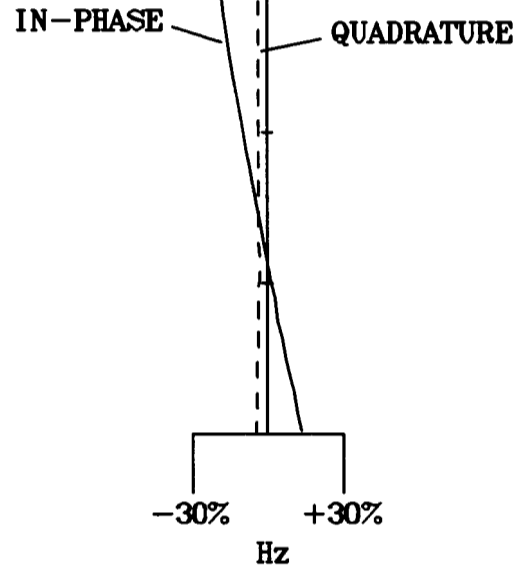
7800 E

7800 E

7900 E

7900 E

30%/cm



093587



SCALE: 1:2500

EXPATRIATE RESOURCES LTD.

SLAPSHOT PROPERTY

NTS: 105 G/7

(Grid registered to UTM Datum NAD 27)

MAXMIN I-9 SURVEY
100 m COILS - 220 Hz

STACKED PROFILES

FIG. SL - 2

#8

AMEROK GEOSCIENCES LTD.



681000N
399100E

7800 E

681000N
399600E

7900 E

600 N

600 N

500 N

500 N

400 N

400 N

300 N

300 N

200 N

200 N

100 N

100 N

0

0

7800 E

7800 E

30%/cm

7900 E



IN-PHASE QUADRATURE

-30% +30%
Hz

093587

093587



SCALE: 1:2500

EXPATRIATE RESOURCES LTD.

SLAPSHOT PROPERTY

NTS: 105 G/7

(Grid registered to UTM Datum NAD 27)

MAXMIN I-9 SURVEY
100 m COILS - 880 Hz

STACKED PROFILES

FIG. SL - 3

#9



AMEROK GEOSCIENCES LTD.

681000N
399100E

7800 E
7900 E

681000N
399600E

600 N

600 N

500 N

500 N

400 N

400 N

300 N

300 N

200 N

200 N

100 N

100 N

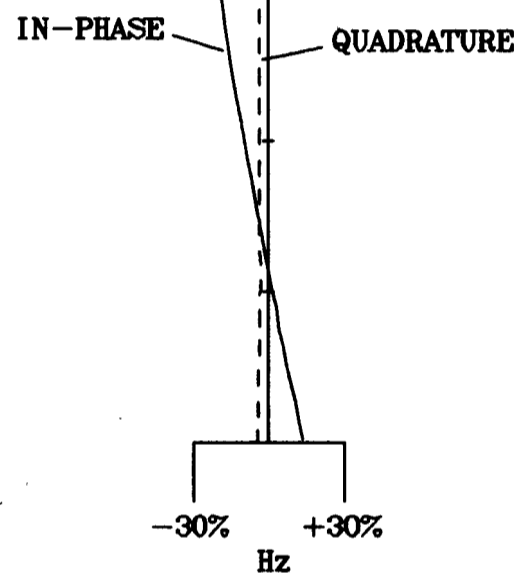
0

0



30%/cm

7800 E
7900 E



093587
3587

SCALE: 1:2500

EXPATRIATE RESOURCES LTD.

SLAPSHOT PROPERTY

NTS: 105 G/7
(Grid registered to UTM Datum NAD 27)

MAXMIN I-9 SURVEY
100 m COILS - 3520 Hz

STACKED PROFILES

FIG. SL - 4 #10

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APPENDIX IV
CERTIFICATES OF ANALYSIS



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Analytical Chemists * Geochemists * Registered Assayers

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Project: SLAPSHOT
Comments: CC: LEE PIGAGE

Page Number: 1
Total Pages: 1
Certificate Date: 20-OCT-96
Invoice No.: 19635210
P.O. Number:
Account: MPO

CERTIFICATE OF ANALYSIS

A9635210

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		XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	%					
C10001	283 --	12.03	1.38	< 0.01	1.11	5.24	0.14	0.03	2.39	0.04	71.04	0.21	2.05	95.66	775	182	58	16	183	42
C10002	283 --	12.53	1.15	< 0.01	1.17	2.48	0.07	0.02	3.68	0.04	76.76	0.21	1.78	99.89	380	116	74	16	198	42

CERTIFICATION: Hart Bichler



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Project : SLAP SHOT
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Page : 1-A
Total Pages : 1
Certificate Date: 23-JUN-96
Invoice No. : I9620844
P.O. Number : V
Account : MPO

CERTIFICATE OF ANALYSIS

A9620844

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935921	205	226	63	0.18	40	80	< 5	90	0.07	145	< 5	150	2530	1.55	< 10	0.14	0.01	80	15	0.05	5
935922	205	226	22	0.25	40	60	< 5	30	0.07	140	< 5	130	1155	0.92	< 10	0.20	0.02	150	5	0.05	5

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Total Pages : 1
Certificate Date: 23-JUN-96
Invoice No. : I9620844
P.O. Number : V
Account : MPO

Project : SLAP SHOT
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CERTIFICATE OF ANALYSIS A9620844

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935922	205 226	< 100	5440	< 10	< 5	< 5	< 0.01	< 20	< 20	< 20	< 20	13840

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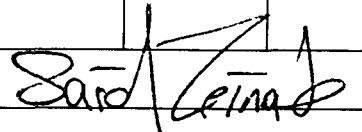
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Total Pages : 1
Certificate Date: 02-JUL-96
Invoice No. : 19622155
P.O. Number :
Account : MPO

Project : SLAPSHOT
Comments:

CERTIFICATE OF ANALYSIS A9622155

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N110004	205 226	< 5	0.28	0.02	0.20	4.24					
N110005	205 226	< 5	0.02	< 0.01	0.03	0.33					

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Comments: ATTN: AL ARCHER

Page : 1-A
Total Pages : 1
Certificate Date: 16-JUL-96
Invoice No. : 19623481
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9623481

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SL9601 N110471	205 226	< 0.2	0.26	2	80	< 0.5	< 2	4.28	1.0	3	107	41	0.93	< 10	< 1	0.23	30	0.12	570	1
SL9601 N110472	205 226	< 0.2	0.23	2	80	< 0.5	< 2	0.80	< 0.5	1	85	2	0.35	< 10	< 1	0.22	40	0.01	95	1
SL9601 N110473	205 226	0.4	0.37	2	120	0.5	< 2	1.97	4.5	3	124	28	0.90	< 10	< 1	0.28	30	0.04	330	2
SL9601 N110474	205 226	29.0	0.15	12	70	< 0.5	70	0.01	4.0	1	212	35	3.47	< 10	< 1	0.13	< 10	< 0.01	20	1
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SL9601 N110476	205 226	< 0.2	0.17	2	50	< 0.5	< 2	1.71	2.0	1	81	8	0.46	< 10	< 1	0.18	10	0.01	195	3
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SL9601 N110509	205 226	< 0.2	0.16	74	60	0.5	< 2	0.46	< 0.5	1	161	23	0.82	< 10	< 1	0.16	10	0.03	90	1
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SL9601 N110511	205 226	< 0.2	0.21	48	50	0.5	< 2	0.44	< 0.5	1	86	3	0.77	< 10	< 1	0.28	40	0.03	80	4
SL9601 N110512	205 226	< 0.2	0.27	2	50	0.5	< 2	0.48	< 0.5	1	106	5	0.81	< 10	< 1	0.33	30	0.02	80	3
SL9601 N110513	205 226	< 0.2	0.18	6	60	0.5	< 2	0.68	< 0.5	1	88	13	0.78	< 10	< 1	0.26	20	0.01	110	1
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SL9601 N110515	205 226	< 0.2	< 0.01	1085	10	< 0.5	< 2	0.02	< 0.5	< 1	158	1	0.32	< 10	< 1	< 0.01	< 10	< 0.01	10	< 1
SL9601 N110516	205 226	< 0.2	0.09	18	20	< 0.5	< 2	0.28	< 0.5	< 1	262	< 1	0.33	< 10	< 1	0.07	< 10	< 0.01	55	< 1
SL9601 N110517	205 226	< 0.2	0.23	6	70	0.5	< 2	0.86	< 0.5	< 1	95	1	0.26	< 10	< 1	0.31	50	< 0.01	100	1
SL9601 N110518	205 226	< 0.2	0.30	6	50	< 0.5	< 2	0.77	< 0.5	< 1	117	1	0.24	< 10	< 1	0.25	30	0.01	95	4
SL9601 N110519	205 226	< 0.2	0.12	4	20	< 0.5	< 2	0.28	< 0.5	< 1	172	< 1	0.24	< 10	< 1	0.12	10	< 0.01	50	< 1
SL9601 N110520	205 226	< 0.2	0.50	418	100	1.0	< 2	0.48	< 0.5	2	93	9	0.76	< 10	< 1	0.53	40	0.04	125	2
SL9601 N110521	205 226	0.2	0.04	14	10	< 0.5	< 2	0.24	< 0.5	42	59	496	>15.00	< 10	1	0.09	< 10	0.02	105	< 1
SL9601 N110522	205 226	< 0.2	0.25	4	50	0.5	< 2	1.27	< 0.5	1	87	7	0.59	< 10	< 1	0.31	30	0.02	190	1
SL9601 N110523	205 226	< 0.2	0.19	8	60	0.5	< 2	1.59	< 0.5	2	64	1	0.83	< 10	< 1	0.28	40	0.10	215	< 1
SL9601 N110524	205 226	< 0.2	1.25	< 2	90	0.5	< 2	1.63	< 0.5	7	83	1	2.57	< 10	< 1	1.02	30	0.59	380	1

CERTIFICATION: *David Bunker*



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Project : SLAPSHOT
 Comments: ATTN: AL ARCHER

CERTIFICATE OF ANALYSIS A9623481

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
SL9601 N110468	205	226	< 0.01	67	1160	24	< 2	11	158	0.27	< 10	< 10	98	< 10	60
SL9601 N110469	205	226	< 0.01	31	410	8	< 2	9	143	0.12	< 10	< 10	53	< 10	82
SL9601 N110470	205	226	< 0.01	17	860	4	< 2	6	50	0.45	< 10	< 10	149	< 10	130
SL9601 N110471	205	226	0.03	5	60	98	< 2	< 1	123	< 0.01	< 10	< 10	1	< 10	140
SL9601 N110472	205	226	0.03	1	110	22	< 2	< 1	27	< 0.01	< 10	< 10	< 1	< 10	36
SL9601 N110473	205	226	0.02	3	100	252	< 2	< 1	75	< 0.01	< 10	< 10	< 1	< 10	436
SL9601 N110474	205	226	0.01	3	30	6410	< 2	< 1	3	< 0.01	< 10	< 10	< 1	< 10	400
SL9601 N110475	205	226	0.04	2	110	48	< 2	< 1	20	< 0.01	< 10	< 10	< 1	< 10	156
SL9601 N110476	205	226	0.02	1	70	68	< 2	< 1	49	< 0.01	< 10	< 10	< 1	< 10	84
SL9601 N110477	205	226	0.05	1	80	32	< 2	< 1	25	< 0.01	< 10	< 10	< 1	< 10	40
SL9601 N110478	205	226	0.02	2	70	26	< 2	< 1	28	< 0.01	< 10	< 10	< 1	< 10	8
SL9601 N110479	205	226	0.03	3	60	6	< 2	< 1	18	< 0.01	< 10	< 10	< 1	< 10	120
SL9601 N110480	205	226	< 0.01	62	380	8	< 2	4	67	0.08	< 10	< 10	26	< 10	94
SL9601 N110501	205	226	0.09	4	70	8	< 2	< 1	20	< 0.01	< 10	< 10	< 1	< 10	6
SL9601 N110502	205	226	0.01	10	120	6	< 2	< 1	54	< 0.01	< 10	< 10	1	< 10	14
SL9601 N110503	205	226	0.07	1	80	24	< 2	< 1	51	< 0.01	< 10	< 10	< 1	< 10	16
SL9601 N110504	205	226	0.05	1	70	2	< 2	< 1	39	< 0.01	< 10	< 10	< 1	< 10	4
SL9601 N110505	205	226	0.07	1	60	4	< 2	< 1	39	< 0.01	< 10	< 10	< 1	< 10	< 2
SL9601 N110506	205	226	0.01	4	40	< 2	< 2	< 1	27	< 0.01	< 10	< 10	< 1	< 10	2
SL9601 N110507	205	226	< 0.01	16	870	6	< 2	20	168	0.29	< 10	< 10	181	< 10	86
SL9601 N110508	205	226	0.06	1	70	2	< 2	< 1	28	< 0.01	< 10	< 10	3	< 10	8
SL9601 N110509	205	226	0.01	1	30	6	< 2	< 1	20	< 0.01	< 10	< 10	1	< 10	16
SL9601 N110510	205	226	0.03	2	50	4	< 2	< 1	13	< 0.01	< 10	< 10	1	< 10	10
SL9601 N110511	205	226	0.02	< 1	70	4	< 2	< 1	18	< 0.01	< 10	< 10	< 1	< 10	10
SL9601 N110512	205	226	0.04	1	70	6	< 2	< 1	18	< 0.01	< 10	< 10	< 1	< 10	8
SL9601 N110513	205	226	0.01	1	60	6	< 2	< 1	23	< 0.01	< 10	< 10	< 1	< 10	2
SL9601 N110514	205	226	0.04	1	80	4	< 2	< 1	27	< 0.01	< 10	< 10	< 1	< 10	6
SL9601 N110515	205	226	< 0.01	3	< 10	< 2	< 2	< 1	1	< 0.01	< 10	< 10	< 1	< 10	< 2
SL9601 N110516	205	226	0.01	3	< 10	< 2	< 2	< 1	9	< 0.01	< 10	< 10	< 1	< 10	< 2
SL9601 N110517	205	226	0.03	< 1	90	12	< 2	< 1	36	< 0.01	< 10	< 10	< 1	< 10	2
SL9601 N110518	205	226	0.06	1	70	4	< 2	< 1	33	< 0.01	< 10	< 10	< 1	< 10	6
SL9601 N110519	205	226	0.01	1	20	< 2	< 2	< 1	10	< 0.01	< 10	< 10	< 1	< 10	< 2
SL9601 N110520	205	226	0.05	1	100	< 2	< 2	< 1	19	< 0.01	< 10	< 10	2	< 10	10
SL9601 N110521	205	226	< 0.01	76	< 10	2	< 2	< 1	10	< 0.01	< 10	< 10	1	< 10	8
SL9601 N110522	205	226	0.05	1	90	2	< 2	< 1	46	< 0.01	< 10	< 10	< 1	< 10	4
SL9601 N110523	205	226	0.02	5	140	4	< 2	< 1	62	< 0.01	< 10	< 10	2	< 10	12
SL9601 N110524	205	226	0.03	1	410	2	< 2	6	53	0.16	< 10	< 10	52	< 10	40

CERTIFICATION: Hawthorn



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Project : SLAPSHOT
 Comments:

CERTIFICATE OF ANALYSIS A9624074

SAMPLE	PREP CODE	Au g/t FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
SL96-2 N110525	205 226	< 0.005	0.2	1.80	2	280	< 0.5	< 2	1.72	1.0	11	105	90	3.49	< 10	< 1	0.40	10	1.55	425
SL96-2 N110526	205 226	< 0.005	0.2	0.70	< 2	270	< 0.5	< 2	1.90	2.5	11	49	68	1.36	< 10	< 1	0.44	10	0.53	240
SL96-2 N110527	205 226	< 0.005	0.4	0.87	2	250	< 0.5	< 2	1.24	7.5	8	146	67	2.13	< 10	< 1	0.34	10	0.58	175
SL96-2 N110528	205 226	< 0.005	< 0.2	1.01	< 2	270	< 0.5	< 2	4.65	< 0.5	10	33	18	1.57	< 10	< 1	0.52	< 10	0.58	340
SL96-2 N110529	205 226	< 0.005	< 0.2	1.10	12	10	< 0.5	< 2	3.00	< 0.5	12	31	27	1.14	< 10	< 1	0.02	< 10	0.33	200
SL96-2 N110551	205 226	< 0.005	< 0.2	1.47	< 2	50	0.5	< 2	3.33	< 0.5	73	84	566	6.52	< 10	< 1	0.19	20	0.62	165
SL96-2 N110552	205 226	< 0.005	< 0.2	1.47	18	50	0.5	4	4.92	< 0.5	21	68	57	3.26	< 10	< 1	0.29	10	1.13	345
SL96-2 N110553	205 226	< 0.005	1.8	0.43	< 2	70	< 0.5	12	2.21	6.0	6	98	239	1.32	< 10	< 1	0.34	20	0.18	440
SL96-2 N110554	205 226	< 0.005	0.2	0.24	< 2	60	< 0.5	< 2	0.61	4.0	3	91	48	0.61	< 10	< 1	0.20	20	0.02	175
SL96-2 N110555	205 226	< 0.005	2.0	0.20	< 2	50	< 0.5	4	0.80	2.5	1	95	19	0.49	< 10	< 1	0.17	20	0.01	190
SL96-2 N110556	205 226	< 0.005	< 0.2	0.17	< 2	60	< 0.5	< 2	0.51	0.5	2	72	8	0.45	< 10	< 1	0.15	20	0.01	140
SL96-2 N110557	205 226	< 0.005	< 0.2	0.18	2	60	< 0.5	< 2	0.73	0.5	1	54	8	0.39	< 10	< 1	0.17	10	0.01	150
SL96-2 N110558	205 226	< 0.005	< 0.2	0.18	2	60	< 0.5	< 2	0.21	0.5	< 1	47	5	0.53	< 10	< 1	0.17	10	0.01	95
SL96-2 N110559	205 226	< 0.005	< 0.2	0.32	128	90	< 0.5	< 2	1.30	1.5	3	40	10	0.90	< 10	< 1	0.30	30	0.07	300
SL96-2 N110560	205 226	< 0.005	2.0	0.21	54	70	< 0.5	4	0.74	12.5	2	54	156	0.68	< 10	< 1	0.21	20	0.01	240
SL96-2 N110561	205 226	< 0.005	< 0.2	0.24	2	80	< 0.5	< 2	0.58	< 0.5	1	43	8	0.36	< 10	< 1	0.27	30	0.01	100
SL96-2 N110562	205 226	< 0.005	3.4	0.31	6	90	< 0.5	10	0.19	0.5	< 1	70	8	0.46	< 10	< 1	0.26	20	0.01	50
SL96-2 N110563	205 226	< 0.005	3.2	0.47	8	130	2.0	10	0.05	3.0	2	93	27	1.48	< 10	< 1	0.34	40	0.03	80
SL96-2 N110564	205 226	< 0.005	< 0.2	0.35	< 2	140	< 0.5	< 2	1.23	1.5	1	46	3	0.43	< 10	< 1	0.30	40	0.04	300
SL96-2 N110565	205 226	< 0.005	< 0.2	0.27	2	110	< 0.5	< 2	3.09	0.5	1	33	4	0.47	< 10	< 1	0.23	30	0.04	420
SL96-2 N110566	205 226	< 0.005	< 0.2	0.26	346	70	< 0.5	< 2	0.99	0.5	3	63	14	0.77	< 10	< 1	0.20	10	0.02	175
SL96-2 N110567	205 226	< 0.005	0.4	0.31	12	80	0.5	2	1.33	2.0	3	75	16	0.77	< 10	< 1	0.26	< 10	0.01	280
SL96-2 N110568	205 226	< 0.005	< 0.2	0.24	8	60	< 0.5	< 2	0.61	< 0.5	3	64	9	0.63	< 10	< 1	0.23	20	0.01	90
SL96-2 N110569	205 226	< 0.005	< 0.2	0.28	< 2	30	0.5	< 2	0.95	< 0.5	1	123	4	0.47	< 10	< 1	0.16	20	0.02	180
SL96-2 N110570	205 226	< 0.005	< 0.2	0.30	< 2	40	1.0	< 2	1.01	< 0.5	< 1	103	1	0.24	< 10	< 1	0.24	30	0.01	205
SL96-2 N110575	205 226	< 0.005	< 0.2	0.24	< 2	60	< 0.5	2	0.58	< 0.5	< 1	59	4	0.32	< 10	< 1	0.27	30	0.01	95

CERTIFICATION:

Hart Bickler



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CERTIFICATE OF ANALYSIS A9624074

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
SL96-2 N110525	205 226	4	0.01	44	1110	56	< 2	3	56	0.17	< 10	< 10	74	< 10	202
SL96-2 N110526	205 226	9	0.01	70	1750	224	< 2	1	53	0.07	< 10	< 10	59	< 10	300
SL96-2 N110527	205 226	7	0.02	36	1360	482	< 2	2	42	0.11	< 10	< 10	67	< 10	924
SL96-2 N110528	205 226	< 1	0.02	20	510	12	< 2	1	110	0.12	< 10	< 10	20	< 10	46
SL96-2 N110529	205 226	< 1	0.01	14	420	4	4	1	167	0.11	< 10	< 10	12	< 10	28
SL96-2 N110551	205 226	< 1	< 0.01	112	1040	8	< 2	5	77	0.68	< 10	< 10	64	< 10	18
SL96-2 N110552	205 226	< 1	< 0.01	32	930	6	< 2	5	165	0.27	< 10	< 10	59	< 10	58
SL96-2 N110553	205 226	< 1	0.03	13	140	236	< 2	< 1	43	0.03	< 10	< 10	5	< 10	856
SL96-2 N110554	205 226	< 1	0.04	3	110	126	< 2	< 1	17	< 0.01	< 10	< 10	< 1	< 10	356
SL96-2 N110555	205 226	< 1	0.04	2	90	532	< 2	< 1	23	< 0.01	< 10	< 10	< 1	< 10	230
SL96-2 N110556	205 226	< 1	0.04	2	80	30	< 2	< 1	13	< 0.01	< 10	< 10	< 1	< 10	120
SL96-2 N110557	205 226	< 1	0.04	1	110	22	< 2	< 1	18	< 0.01	< 10	< 10	< 1	< 10	82
SL96-2 N110558	205 226	1	0.05	1	150	32	< 2	< 1	11	< 0.01	< 10	< 10	< 1	< 10	92
SL96-2 N110559	205 226	3	0.02	3	140	30	< 2	< 1	40	< 0.01	< 10	< 10	< 1	< 10	198
SL96-2 N110560	205 226	5	0.02	2	110	480	< 2	< 1	22	< 0.01	< 10	< 10	< 1	< 10	1680
SL96-2 N110561	205 226	3	0.03	1	130	10	< 2	< 1	16	< 0.01	< 10	< 10	< 1	< 10	64
SL96-2 N110562	205 226	3	0.03	1	100	1590	2	< 1	12	< 0.01	< 10	< 10	< 1	< 10	92
SL96-2 N110563	205 226	5	0.03	3	160	954	< 2	< 1	15	< 0.01	< 10	< 10	< 1	< 10	412
SL96-2 N110564	205 226	1	0.03	2	120	20	2	< 1	56	< 0.01	< 10	< 10	< 1	< 10	100
SL96-2 N110565	205 226	1	0.02	1	110	10	< 2	< 1	91	< 0.01	< 10	< 10	< 1	< 10	30
SL96-2 N110566	205 226	1	0.04	3	140	64	< 2	< 1	35	< 0.01	< 10	< 10	< 1	< 10	30
SL96-2 N110567	205 226	2	0.01	4	130	422	2	< 1	49	< 0.01	< 10	< 10	< 1	< 10	104
SL96-2 N110568	205 226	1	0.03	2	120	30	< 2	< 1	19	< 0.01	< 10	< 10	< 1	< 10	12
SL96-2 N110569	205 226	2	0.03	2	50	12	< 2	< 1	32	< 0.01	< 10	< 10	< 1	< 10	18
SL96-2 N110570	205 226	3	0.04	1	100	8	< 2	< 1	36	< 0.01	< 10	< 10	< 1	< 10	4
SL96-2 N110575	205 226	2	0.03	1	130	2	< 2	< 1	17	< 0.01	< 10	< 10	< 1	< 10	8

CERTIFICATION: Hart Buchler



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CERTIFICATE OF ANALYSIS A9624466

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
SL96-03 N110571	205 294	< 0.2	1.48	< 2	440	< 0.5	< 2	1.77	0.5	11	209	41	2.17	< 10	< 1	0.55	10	1.16	370	9
SL96-03 N110572	205 294	< 0.2	0.75	< 2	230	< 0.5	< 2	0.83	0.5	7	138	46	1.20	< 10	< 1	0.37	10	0.56	90	9
SL96-03 N110573	205 294	< 0.2	0.72	< 2	290	< 0.5	< 2	0.66	< 0.5	6	163	50	0.97	< 10	< 1	0.44	< 10	0.31	65	1
SL96-03 N110574	205 294	< 0.2	0.61	< 2	90	< 0.5	< 2	4.80	< 0.5	9	40	39	1.07	< 10	< 1	0.15	10	0.34	245	1
SL96-03 N110576	205 294	0.2	1.65	< 2	220	< 0.5	< 2	5.19	5.0	10	189	51	3.10	< 10	< 1	0.21	10	0.95	1485	< 1
SL96-03 N110577	205 294	0.6	1.94	< 2	130	< 0.5	< 2	4.09	9.5	13	169	97	4.17	< 10	< 1	0.12	10	1.20	1440	1

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A9624466

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
SL96-03 N110571	205	294	0.04	74	2800	18	< 2	4	47	0.06	< 10	< 10	137	< 10	134
SL96-03 N110572	205	294	0.02	80	2140	32	< 2	3	27	0.08	< 10	< 10	109	< 10	52
SL96-03 N110573	205	294	0.03	22	320	4	< 2	3	20	0.15	< 10	< 10	20	< 10	34
SL96-03 N110574	205	294	0.03	17	840	4	< 2	1	146	0.10	< 10	< 10	15	< 10	16
SL96-03 N110576	205	294	0.01	35	1570	56	< 2	2	154	0.05	< 10	< 10	44	< 10	582
SL96-03 N110577	205	294	< 0.01	39	1580	148	< 2	3	132	0.08	< 10	< 10	46	< 10	1285

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To: EXPATRIATE RESOURCES LTD.
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CERTIFICATE OF ANALYSIS

A9628775

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
BB5489	201	202	2.6	0.94	54	210	1.0	4	0.16	7.0	23	9	190	8.13	< 10	< 1	0.68	130	0.24	1450	9
BB5490	201	202	4.4	0.45	106	130	< 0.5	< 2	0.04	0.5	6	3	209	12.05	< 10	< 1	1.60	130	0.04	390	13
BB5491	201	202	0.4	1.49	96	230	2.0	< 2	3.32	1.5	49	74	129	7.59	< 10	< 1	0.13	10	1.18	1775	2
BB5492	201	202	2.2	1.36	76	220	1.5	2	0.03	2.0	19	4	460	12.10	< 10	1	0.97	260	0.15	1395	11
BB5493	201	202	5.2	0.58	90	220	< 0.5	2	0.03	< 0.5	4	5	137	8.96	< 10	< 1	1.04	20	0.04	85	9
BB5494	201	202	1.0	1.91	24	180	2.0	< 2	0.29	49.0	39	32	561	6.69	< 10	< 1	0.30	80	0.55	2120	7

CERTIFICATION: Hartl Bechler



Chemex Labs Ltd.

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

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

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 Account : MPO

Project : SLAPSHOT
 Comments:

CERTIFICATE OF ANALYSIS	A9628775
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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
BB5489	201 202	0.02	25	1030	1815	< 2	3	47	0.01	< 10	< 10	16	< 10	2030
BB5490	201 202	0.04	6	1570	4740	< 2	2	79	< 0.01	< 10	< 10	18	< 10	786
BB5491	201 202	< 0.01	126	1370	66	2	27	112	< 0.01	< 10	< 10	110	< 10	332
BB5492	201 202	0.04	14	1300	178	< 2	4	144	< 0.01	< 10	20	8	< 10	462
BB5493	201 202	0.01	6	370	734	10	3	93	< 0.01	< 10	< 10	5	< 10	394
BB5494	201 202	< 0.01	35	500	74	2	6	45	< 0.01	< 10	10	25	< 10	4240

CERTIFICATION: Hank Buchler



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Project: SHOT
 Comments:

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 Invoice No. : 19625259
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 Account : MPO

CERTIFICATE OF ANALYSIS

A9625259

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
BB05590	201	202	< 0.2	2.26	14	160	< 0.5	< 2	0.97	< 0.5	17	83	39	3.56	< 10	< 1	0.53	< 10	1.57	460	3
BB05591	201	202	< 0.2	3.88	22	480	0.5	6	0.97	< 0.5	35	187	40	5.25	< 10	< 1	0.92	< 10	2.98	575	1
BB05592	201	202	< 0.2	3.10	16	290	0.5	4	0.86	< 0.5	25	90	49	4.99	10	< 1	0.83	< 10	1.97	1345	2
BB05593	201	202	< 0.2	3.62	34	240	0.5	4	1.03	0.5	27	166	68	5.46	10	< 1	0.96	10	2.65	665	2
BB05594	201	202	< 0.2	3.46	18	240	0.5	2	1.06	< 0.5	23	146	61	4.95	10	< 1	0.76	10	2.40	450	2
BB05595	201	202	< 0.2	4.33	24	330	0.5	6	1.30	0.5	28	192	96	5.93	10	1	1.02	10	3.06	845	4

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SAMPLE	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
BB05590	201 202	< 0.01	47	2680	14	< 2	6	36	0.10	< 10	< 10	94	< 10	114
BB05591	201 202	< 0.01	85	860	2	< 2	5	105	0.28	< 10	< 10	102	< 10	84
BB05592	201 202	< 0.01	50	1170	50	< 2	8	36	0.23	< 10	< 10	112	< 10	108
BB05593	201 202	< 0.01	84	2000	12	< 2	9	36	0.20	< 10	< 10	131	< 10	146
BB05594	201 202	< 0.01	70	1860	14	< 2	8	35	0.18	< 10	< 10	126	< 10	140
BB05595	201 202	< 0.01	94	1490	24	< 2	10	42	0.21	< 10	< 10	167	< 10	196

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CERTIFICATE OF ANALYSIS

A9625255

SAMPLE	PREP		Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	No
	CODE		ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
BB5150	201	202	< 0.2	2.65	14	260	0.5	6	1.01	< 0.5	19	59	25	4.30	< 10	< 1	0.98	10	1.59	555	2
BB5151	201	202	< 0.2	3.29	10	280	0.5	8	1.01	< 0.5	23	90	34	5.15	10	< 1	1.16	10	2.15	735	1
BB5152	201	202	< 0.2	2.55	84	200	0.5	2	0.79	< 0.5	20	62	34	4.24	< 10	< 1	0.77	10	1.70	645	1
BB5153	201	202	< 0.2	2.47	36	180	0.5	2	0.70	< 0.5	18	59	28	4.15	< 10	< 1	0.75	10	1.65	635	1
BB5154	201	202	< 0.2	3.27	22	240	0.5	6	0.72	< 0.5	22	70	27	5.53	< 10	< 1	0.90	10	2.02	795	1
BB5155	201	202	< 0.2	2.67	20	170	0.5	2	0.73	< 0.5	17	54	24	4.18	< 10	< 1	0.90	30	1.59	635	2
BB5156	201	202	< 0.2	2.75	8	210	0.5	10	0.91	< 0.5	17	43	14	4.90	< 10	< 1	1.48	10	1.61	620	2
BB5157	201	202	< 0.2	1.84	10	150	0.5	4	0.79	< 0.5	14	35	13	3.29	< 10	< 1	0.69	10	1.03	580	1
BB5158	201	202	< 0.2	3.51	4	220	0.5	8	1.01	< 0.5	26	111	39	5.27	< 10	< 1	1.19	< 10	2.44	795	1
BB5159	201	202	< 0.2	1.44	8	110	0.5	2	0.67	< 0.5	12	29	20	2.54	< 10	< 1	0.34	10	1.02	450	2
BB5160	201	202	< 0.2	2.48	2	90	0.5	< 2	0.43	< 0.5	15	49	9	4.27	10	< 1	0.46	50	1.65	690	2
BB5161	201	202	< 0.2	2.86	6	140	0.5	4	0.85	< 0.5	19	43	48	4.87	< 10	< 1	0.75	10	1.77	535	1
BB5162	201	202	< 0.2	3.09	26	140	1.0	4	0.88	< 0.5	19	72	33	4.92	10	< 1	0.98	10	1.83	595	2
BB5163	201	202	< 0.2	2.31	8	60	< 0.5	10	0.56	< 0.5	14	56	9	4.52	< 10	< 1	0.68	< 10	1.35	380	1
BB5164	201	202	< 0.2	2.70	152	150	0.5	2	0.51	< 0.5	15	50	28	4.16	< 10	< 1	0.60	30	1.42	515	3
BB5165	201	202	< 0.2	2.22	162	130	< 0.5	6	0.65	< 0.5	12	75	11	3.92	< 10	< 1	0.29	< 10	1.23	425	3
BB5166	201	202	< 0.2	2.49	30	90	0.5	2	0.55	< 0.5	20	81	24	4.13	< 10	< 1	0.46	10	1.70	615	1
BB5167	201	202	< 0.2	1.46	72	90	< 0.5	6	0.28	< 0.5	7	36	10	2.92	< 10	< 1	0.31	10	0.76	220	1
BB5168	201	202	< 0.2	1.16	52	40	< 0.5	< 2	0.16	< 0.5	7	21	17	1.92	< 10	< 1	0.09	10	0.52	145	< 1
BB5169	201	202	< 0.2	2.35	334	100	0.5	< 2	0.45	< 0.5	32	44	82	4.09	< 10	< 1	0.23	90	1.22	420	< 1
BB5170	201	202	0.8	1.34	22	60	< 0.5	< 2	0.13	< 0.5	7	25	17	2.05	< 10	< 1	0.12	10	0.55	165	< 1
BB5171	201	202	< 0.2	1.35	46	60	< 0.5	2	0.30	< 0.5	7	27	7	2.44	< 10	< 1	0.16	10	0.68	215	2
BB5172	201	202	< 0.2	2.15	96	60	< 0.5	< 2	0.27	< 0.5	12	64	15	3.55	< 10	< 1	0.24	10	1.21	280	1
BB5173	201	202	< 0.2	2.67	32	90	< 0.5	2	0.33	< 0.5	14	56	18	4.29	10	< 1	0.21	20	1.52	380	1
BB5174	201	202	< 0.2	2.78	40	120	< 0.5	< 2	0.55	< 0.5	21	50	28	4.58	< 10	< 1	0.15	30	1.47	485	1
BB5175	201	202	< 0.2	2.95	74	120	0.5	2	0.98	< 0.5	22	54	35	4.71	< 10	< 1	0.27	30	1.61	560	< 1
BB5176	201	202	< 0.2	2.78	134	120	0.5	2	0.91	< 0.5	19	51	18	4.48	< 10	< 1	0.45	10	1.60	545	1
BB5177	201	202	< 0.2	2.33	24	60	0.5	2	0.27	< 0.5	14	41	15	3.04	< 10	< 1	0.14	10	0.85	510	1
BB5178	--	--	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
BB5179	201	202	< 0.2	1.09	24	50	< 0.5	4	0.19	< 0.5	9	40	8	2.78	< 10	< 1	0.14	< 10	0.64	200	1
BB5180	201	202	< 0.2	1.17	10	20	< 0.5	2	0.16	< 0.5	6	27	4	2.60	< 10	< 1	0.08	< 10	0.65	235	< 1
BB5181	201	202	< 0.2	2.19	12	60	< 0.5	2	0.24	< 0.5	13	52	12	3.72	< 10	< 1	0.10	10	1.16	290	< 1
BB5182	201	202	< 0.2	2.13	30	120	< 0.5	< 2	0.69	< 0.5	14	60	26	3.37	< 10	< 1	0.33	20	1.39	330	1
BB5183	201	202	< 0.2	1.84	16	110	< 0.5	< 2	0.82	< 0.5	12	37	17	3.17	< 10	< 1	0.45	< 10	1.28	360	1
BB5571	201	202	< 0.2	3.00	6	220	1.0	6	0.31	< 0.5	20	37	13	5.42	10	< 1	1.26	10	1.41	675	1
BB5572	201	202	< 0.2	2.76	34	140	1.0	8	0.78	< 0.5	21	56	22	5.15	< 10	< 1	1.11	20	1.67	1230	1
BB5573	201	202	< 0.2	3.23	50	200	1.5	6	0.91	< 0.5	23	73	23	5.76	< 10	< 1	1.20	20	1.98	925	2
BB5574	201	202	< 0.2	2.79	40	190	0.5	2	0.96	< 0.5	22	60	23	4.91	< 10	< 1	1.00	10	1.75	755	1
BB5575	201	202	< 0.2	3.15	42	260	0.5	8	1.10	< 0.5	23	75	28	5.41	10	< 1	1.07	10	2.03	740	1
BB5576	201	202	< 0.2	3.00	12	100	1.0	8	0.50	< 0.5	18	46	15	5.44	< 10	< 1	0.94	10	1.63	655	3

CERTIFICATION:

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CERTIFICATE OF ANALYSIS

A9625255

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
BB5150	201	202	< 0.01	20	1090	8	< 2	4	27	0.29	< 10	< 10	91	< 10	78
BB5151	201	202	< 0.01	31	1180	6	< 2	5	27	0.30	< 10	< 10	106	< 10	106
BB5152	201	202	< 0.01	26	1530	14	< 2	5	23	0.18	< 10	< 10	76	< 10	104
BB5153	201	202	< 0.01	25	1260	16	< 2	4	20	0.18	< 10	< 10	72	< 10	106
BB5154	201	202	< 0.01	27	1370	10	< 2	6	20	0.24	< 10	< 10	99	< 10	108
BB5155	201	202	< 0.01	19	1290	12	< 2	4	18	0.17	< 10	< 10	78	< 10	96
BB5156	201	202	< 0.01	13	1140	6	< 2	4	25	0.33	< 10	< 10	101	< 10	88
BB5157	201	202	< 0.01	12	800	18	< 2	4	29	0.20	< 10	< 10	70	< 10	74
BB5158	201	202	< 0.01	55	840	4	< 2	8	23	0.28	< 10	< 10	102	< 10	80
BB5159	201	202	< 0.01	17	930	20	< 2	3	30	0.13	< 10	< 10	45	< 10	100
BB5160	201	202	< 0.01	17	960	8	< 2	6	17	0.12	< 10	< 10	58	< 10	60
BB5161	201	202	< 0.01	28	1100	6	< 2	5	25	0.18	< 10	< 10	76	< 10	122
BB5162	201	202	< 0.01	33	1340	22	< 2	6	29	0.26	< 10	< 10	86	< 10	126
BB5163	201	202	< 0.01	14	960	18	< 2	2	14	0.39	< 10	< 10	98	< 10	64
BB5164	201	202	0.01	26	940	80	< 2	5	25	0.18	< 10	10	71	< 10	110
BB5165	201	202	< 0.01	23	560	74	< 2	3	28	0.24	< 10	< 10	71	< 10	58
BB5166	201	202	< 0.01	36	1260	12	< 2	6	18	0.14	< 10	< 10	73	< 10	78
BB5167	201	202	< 0.01	14	290	22	< 2	3	17	0.22	< 10	< 10	72	< 10	52
BB5168	201	202	0.04	14	300	18	< 2	1	12	0.07	< 10	< 10	29	< 10	34
BB5169	201	202	< 0.01	67	1110	24	< 2	5	30	0.06	< 10	< 10	46	< 10	86
BB5170	201	202	0.03	16	490	14	< 2	< 1	13	0.03	< 10	< 10	30	< 10	34
BB5171	201	202	0.02	11	220	18	< 2	2	12	0.20	< 10	< 10	50	< 10	42
BB5172	201	202	0.01	27	700	32	< 2	4	13	0.11	< 10	< 10	63	< 10	74
BB5173	201	202	< 0.01	31	530	14	< 2	4	21	0.11	< 10	< 10	52	< 10	90
BB5174	201	202	< 0.01	39	490	18	< 2	4	33	0.09	< 10	< 10	45	< 10	96
BB5175	201	202	< 0.01	42	470	18	< 2	4	44	0.13	< 10	< 10	47	< 10	102
BB5176	201	202	< 0.01	28	600	28	< 2	4	47	0.17	< 10	< 10	54	< 10	94
BB5177	201	202	< 0.01	20	820	22	< 2	4	16	0.11	< 10	< 10	40	< 10	70
BB5178	--	--	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
BB5179	201	202	< 0.01	20	350	12	< 2	2	11	0.19	< 10	< 10	66	< 10	34
BB5180	201	202	< 0.01	11	520	8	< 2	2	10	0.12	< 10	< 10	48	< 10	34
BB5181	201	202	< 0.01	29	390	14	< 2	4	14	0.16	< 10	< 10	49	< 10	62
BB5182	201	202	< 0.01	31	1260	10	< 2	4	28	0.11	< 10	< 10	49	< 10	86
BB5183	201	202	< 0.01	20	1850	18	< 2	3	27	0.10	< 10	< 10	49	< 10	146
BB5571	201	202	< 0.01	16	920	10	< 2	5	16	0.28	< 10	< 10	97	< 10	94
BB5572	201	202	< 0.01	23	1190	18	< 2	8	28	0.27	< 10	< 10	101	< 10	78
BB5573	201	202	< 0.01	23	950	12	< 2	10	33	0.27	< 10	< 10	117	< 10	90
BB5574	201	202	< 0.01	22	1740	6	< 2	8	33	0.23	< 10	< 10	99	< 10	74
BB5575	201	202	< 0.01	29	960	6	< 2	8	37	0.29	< 10	< 10	110	< 10	82
BB5576	201	202	< 0.01	13	1120	36	< 2	6	21	0.26	< 10	< 10	121	< 10	94

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			ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
BB5577	201	202	< 0.2	3.37	18	120	1.5	8	1.09	< 0.5	22	89	25	5.13	< 10	1	1.36	10	2.44	660	1
BB5578	201	202	< 0.2	3.42	18	140	1.5	8	0.64	< 0.5	20	83	18	5.32	10	< 1	1.06	30	2.21	750	2
BB5579	201	202	< 0.2	2.98	32	200	0.5	6	1.00	< 0.5	20	81	23	4.72	< 10	1	0.86	10	2.01	600	1
BB5580	201	202	< 0.2	2.64	6	170	< 0.5	10	0.93	< 0.5	16	117	6	3.56	< 10	< 1	0.50	< 10	2.02	405	1
BB5581	201	202	< 0.2	1.89	8	90	< 0.5	10	0.34	< 0.5	12	60	14	3.22	< 10	< 1	0.43	< 10	1.22	290	< 1
BB5582	201	202	< 0.2	2.28	8	210	< 0.5	2	0.50	< 0.5	15	88	15	3.52	< 10	< 1	0.44	< 10	1.53	470	1
BB5583	201	202	< 0.2	2.68	8	240	< 0.5	10	0.61	< 0.5	20	168	25	3.81	< 10	< 1	0.72	< 10	2.09	365	< 1
BB5584	201	202	< 0.2	3.99	6	270	< 0.5	8	0.84	< 0.5	26	178	28	5.46	10	< 1	1.23	< 10	3.49	460	1
BB5585	201	202	< 0.2	2.23	10	160	< 0.5	2	0.53	< 0.5	17	73	18	3.61	< 10	< 1	0.57	< 10	1.52	520	1
BB5586	201	202	< 0.2	3.90	6	210	0.5	6	0.78	< 0.5	36	111	59	6.25	10	< 1	0.88	20	2.60	675	2
BB5587	201	202	< 0.2	3.29	6	240	< 0.5	6	0.72	< 0.5	21	145	18	4.43	10	< 1	0.29	10	2.25	395	1
BB5588	201	202	< 0.2	3.33	4	270	0.5	6	0.80	< 0.5	21	112	25	4.65	< 10	< 1	0.62	< 10	2.19	660	< 1
BB5589	201	202	< 0.2	2.89	8	260	< 0.5	8	0.67	< 0.5	20	147	13	4.14	10	1	0.91	< 10	2.14	375	< 1

CERTIFICATION:

Hastings



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 Certificate Date: 01-AUG-96
 Invoice No.: 19625255
 P.O. Number:
 Account: MPO

CERTIFICATE OF ANALYSIS

A9625255

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
BB5577	201	202	< 0.01	37	2500	26	< 2	6	35	0.28	< 10	< 10	88	< 10	86
BB5578	201	202	< 0.01	30	960	32	< 2	6	25	0.27	< 10	< 10	95	< 10	92
BB5579	201	202	< 0.01	32	1160	22	< 2	7	33	0.27	< 10	< 10	98	< 10	94
BB5580	201	202	< 0.01	15	750	2	< 2	3	25	0.28	< 10	< 10	71	< 10	84
BB5581	201	202	< 0.01	22	590	8	< 2	3	12	0.28	< 10	< 10	79	< 10	68
BB5582	201	202	< 0.01	30	870	4	< 2	3	17	0.20	< 10	< 10	74	< 10	48
BB5583	201	202	< 0.01	54	740	2	< 2	5	15	0.28	< 10	< 10	86	< 10	56
BB5584	201	202	< 0.01	51	1310	2	< 2	7	22	0.31	< 10	< 10	124	< 10	60
BB5585	201	202	< 0.01	26	1130	2	< 2	4	16	0.18	< 10	< 10	72	< 10	56
BB5586	201	202	< 0.01	74	1330	10	< 2	7	39	0.26	< 10	< 10	92	< 10	122
BB5587	201	202	< 0.01	41	990	6	< 2	5	29	0.29	< 10	< 10	96	< 10	72
BB5588	201	202	< 0.01	42	910	6	< 2	6	29	0.26	< 10	< 10	93	< 10	70
BB5589	201	202	< 0.01	43	1050	2	< 2	4	23	0.33	< 10	< 10	93	< 10	68

CERTIFICATION:

Handwritten signature



Chemex Labs Ltd.

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

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

Page: Ser :1-A
 Total Pages :1
 Certificate Date: 24-JUL-96
 Invoice No. :19624044
 P.O. Number :
 Account :MPO

Project : SLAPSHOT
 Comments:

CERTIFICATE OF ANALYSIS

A9624044

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
BB04682	201	202	< 0.2	4.38	8	2420	1.5	6	0.72	0.5	49	113	131	8.47	10	< 1	1.76	10	2.63	2630	< 1
BB04683	201	202	< 0.2	0.63	42	230	< 0.5	< 2	7.39	< 0.5	52	89	83	6.80	< 10	< 1	0.13	< 10	1.38	1390	< 1
BB04684	201	202	< 0.2	1.36	22	80	< 0.5	10	0.05	< 0.5	2	17	394	7.37	< 10	< 1	0.30	10	0.92	255	8
BB04685	201	202	1.8	1.00	38	240	1.0	6	0.20	6.0	17	18	186	6.52	< 10	< 1	0.64	80	0.30	1375	8
BB04692	201	202	0.2	2.15	8	230	< 0.5	4	0.01	< 0.5	5	32	274	6.33	10	< 1	0.69	40	1.78	520	11
BB06610	201	202	0.2	4.20	22	60	4.0	6	0.18	< 0.5	6	19	15	2.74	< 10	< 1	0.18	10	0.43	300	1
BB06611	201	202	< 0.2	2.84	18	90	2.5	4	0.31	< 0.5	10	31	17	2.98	< 10	< 1	0.34	20	0.93	365	< 1
BB06612	201	202	< 0.2	2.27	12	50	2.0	6	0.27	< 0.5	7	22	7	2.15	< 10	< 1	0.22	20	0.63	340	< 1
BB06613	201	202	< 0.2	1.37	64	40	1.0	4	0.07	< 0.5	< 1	6	3	1.43	< 10	< 1	0.13	20	0.16	95	3
BB06614	201	202	< 0.2	1.54	4	40	0.5	2	0.09	< 0.5	3	13	3	1.64	< 10	< 1	0.15	30	0.30	170	< 1
BB06615	201	202	< 0.2	2.19	2	60	2.0	2	0.14	< 0.5	4	16	5	2.38	10	< 1	0.24	20	0.44	225	1
BB06616	201	202	< 0.2	2.47	10	100	2.5	4	0.17	< 0.5	7	20	8	2.52	10	< 1	0.23	10	0.55	1280	7
BB06617	201	202	< 0.2	1.71	10	70	0.5	4	0.13	< 0.5	5	24	8	2.06	10	< 1	0.20	10	0.55	245	3
BB06618	201	202	< 0.2	2.08	12	100	2.5	4	0.39	< 0.5	11	36	14	2.71	< 10	< 1	0.35	10	1.02	450	< 1
BB06619	201	202	< 0.2	2.56	8	130	2.0	4	0.11	< 0.5	7	29	12	2.86	10	< 1	0.45	10	0.83	325	2
BB06620	201	202	< 0.2	3.45	16	150	3.0	4	0.70	< 0.5	35	172	45	5.49	10	< 1	0.77	20	2.79	770	1
BB06621	201	202	< 0.2	3.39	8	190	2.5	6	0.80	< 0.5	38	189	52	5.37	10	< 1	0.91	10	2.92	730	< 1
BB06622	201	202	< 0.2	3.68	40	150	2.5	6	0.77	< 0.5	30	116	48	4.92	10	< 1	0.29	20	1.79	585	< 1
BB06623	201	202	0.5	4.76	142	180	6.5	8	0.93	0.5	40	70	109	5.27	10	< 1	0.77	100	1.33	900	< 1
BB06624	201	202	< 0.2	2.44	34	120	1.5	2	0.46	< 0.5	22	82	67	2.99	< 10	< 1	0.37	20	1.14	335	1
BB06625	201	202	< 0.2	2.63	18	170	1.5	2	0.84	< 0.5	14	46	51	2.59	< 10	< 1	0.51	30	0.93	275	1
BB06626	201	202	< 0.2	2.38	30	100	1.0	2	0.34	< 0.5	16	60	13	3.45	10	< 1	0.29	30	1.09	470	< 1
BB06627	201	202	< 0.2	3.27	38	210	1.5	6	0.35	< 0.5	25	73	30	4.49	10	< 1	0.60	20	1.28	625	2
BB06628	201	202	< 0.2	3.22	36	120	1.5	6	0.59	< 0.5	25	85	34	4.37	10	< 1	0.37	30	1.26	555	< 1
BB06629	201	202	< 0.2	3.18	34	160	0.5	2	0.77	< 0.5	33	276	64	4.76	10	< 1	0.76	30	2.60	500	< 1
BB06630	201	202	< 0.2	3.15	44	160	0.5	2	0.70	< 0.5	35	524	52	4.72	10	< 1	0.76	10	3.22	570	< 1
BB06631	201	202	< 0.2	3.94	64	270	0.5	6	1.09	< 0.5	36	302	47	5.75	10	< 1	1.08	< 10	3.40	860	< 1
BB06632	201	202	< 0.2	2.59	32	160	< 0.5	2	0.20	< 0.5	20	139	40	4.07	< 10	< 1	0.47	< 10	1.67	285	< 1
BB06633	201	202	< 0.2	3.57	10	570	0.5	< 2	0.64	< 0.5	33	122	62	5.52	< 10	< 1	1.70	< 10	2.46	460	2
BB06634	201	202	< 0.2	2.71	10	260	0.5	2	0.93	< 0.5	21	96	62	3.91	< 10	< 1	0.61	10	1.84	555	3
BB06635	201	202	< 0.2	3.36	50	200	0.5	< 2	1.11	< 0.5	35	270	79	4.85	10	< 1	0.62	10	2.84	605	< 1
BB06636	201	202	< 0.2	4.39	56	160	0.5	< 2	0.71	< 0.5	43	431	60	5.26	10	< 1	0.78	< 10	4.37	615	< 1
BB06637	201	202	< 0.2	3.40	66	190	0.5	2	0.82	< 0.5	27	153	34	4.70	10	< 1	0.76	10	2.61	545	< 1

CERTIFICATION:

Hart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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

Project: SLAPSHOT
Comments:

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Certificate Date: 24-JUL-96
Invoice No.: I9624044
P.O. Number:
Account: MPO

CERTIFICATE OF ANALYSIS A9624044

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
BB04682	201	202	< 0.01	58	1270	30	4	14	32	0.31	< 10	< 10	237	< 10	204
BB04683	201	202	< 0.01	97	640	8	< 2	29	168	< 0.01	< 10	< 10	113	< 10	86
BB04684	201	202	< 0.01	9	570	32	< 2	1	4	0.06	< 10	< 10	20	< 10	152
BB04685	201	202	0.03	23	870	1605	< 2	4	37	0.03	< 10	< 10	26	< 10	2310
BB04692	201	202	0.02	10	620	82	< 2	5	10	0.13	< 10	< 10	32	< 10	104
BB06610	201	202	0.01	8	1150	28	< 2	2	16	0.05	< 10	< 10	32	40	46
BB06611	201	202	< 0.01	13	940	30	< 2	5	14	0.13	< 10	< 10	57	10	64
BB06612	201	202	0.01	8	900	20	< 2	3	9	0.09	< 10	< 10	36	< 10	50
BB06613	201	202	< 0.01	2	250	22	< 2	< 1	8	0.01	< 10	< 10	21	< 10	46
BB06614	201	202	< 0.01	3	510	12	< 2	1	7	0.08	< 10	< 10	27	< 10	32
BB06615	201	202	< 0.01	5	540	16	< 2	3	14	0.09	< 10	< 10	35	< 10	48
BB06616	201	202	0.01	7	800	32	< 2	1	13	0.05	< 10	20	41	< 10	72
BB06617	201	202	0.01	8	420	18	< 2	2	9	0.08	< 10	< 10	46	< 10	54
BB06618	201	202	< 0.01	14	820	22	< 2	5	16	0.13	< 10	< 10	53	< 10	82
BB06619	201	202	< 0.01	10	350	16	< 2	4	8	0.10	< 10	< 10	51	< 10	84
BB06620	201	202	0.01	89	850	32	< 2	11	26	0.20	< 10	< 10	99	10	106
BB06621	201	202	0.01	107	1020	28	< 2	11	27	0.21	< 10	< 10	104	10	96
BB06622	201	202	0.01	66	770	28	2	8	57	0.13	< 10	< 10	89	< 10	122
BB06623	201	202	0.01	129	720	60	2	13	73	0.10	< 10	80	67	< 10	468
BB06624	201	202	< 0.01	65	470	10	< 2	5	26	0.21	< 10	< 10	57	< 10	66
BB06625	201	202	0.01	34	560	16	< 2	6	47	0.14	< 10	10	49	< 10	96
BB06626	201	202	< 0.01	26	240	16	< 2	6	24	0.20	< 10	< 10	59	< 10	100
BB06627	201	202	< 0.01	37	490	26	2	7	31	0.19	< 10	< 10	86	< 10	102
BB06628	201	202	0.02	53	760	18	< 2	7	69	0.18	< 10	< 10	72	10	180
BB06629	201	202	< 0.01	132	1270	28	6	9	47	0.16	< 10	< 10	119	< 10	68
BB06630	201	202	< 0.01	163	1010	12	8	9	26	0.20	< 10	< 10	116	< 10	60
BB06631	201	202	< 0.01	91	1680	8	< 2	17	31	0.25	< 10	< 10	202	< 10	68
BB06632	201	202	< 0.01	76	740	2	< 2	2	17	0.14	< 10	< 10	68	< 10	52
BB06633	201	202	< 0.01	76	1510	< 2	6	4	29	0.30	< 10	< 10	89	< 10	92
BB06634	201	202	< 0.01	55	2720	12	< 2	5	42	0.12	< 10	< 10	138	< 10	120
BB06635	201	202	< 0.01	105	2680	26	< 2	13	42	0.16	< 10	< 10	171	< 10	98
BB06636	201	202	< 0.01	180	710	16	< 2	8	30	0.21	< 10	< 10	117	< 10	60
BB06637	201	202	< 0.01	70	1680	82	2	7	39	0.20	< 10	< 10	105	< 10	70

CERTIFICATION:

Hart Bickler



Chemex Labs Ltd.

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

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 Total : 2
 Certificate Date: 15-JUL-96
 Invoice No. : I9623396
 P.O. Number :
 Account : MPO

Project : SLAPSHOT
 Comments :

* CORRECTED COPY

CERTIFICATE OF ANALYSIS A9623396

SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
BB-05034	201 202	< 0.2	2.64	6	230	0.5	< 2	0.43	< 0.5	27	74	32	4.70	< 10	< 1	0.59	< 10	1.56	660	1
BB-05035	201 202	< 0.2	3.47	< 2	370	0.5	< 2	0.81	< 0.5	30	112	31	5.31	< 10	< 1	0.81	< 10	2.10	860	< 1
BB-05036	201 202	< 0.2	3.34	8	280	0.5	< 2	0.68	< 0.5	28	178	41	4.96	< 10	< 1	0.62	10	2.43	665	< 1
BB-05037	201 202	< 0.2	3.55	20	270	< 0.5	< 2	0.74	< 0.5	28	285	78	4.46	< 10	< 1	0.55	< 10	2.86	470	< 1
BB-05038	201 202	< 0.2	2.62	6	200	0.5	< 2	0.61	< 0.5	21	62	25	4.86	< 10	< 1	0.90	10	1.25	730	< 1
BB-05039	201 202	< 0.2	1.72	48	140	1.0	< 2	0.56	< 0.5	14	24	17	4.03	< 10	< 1	0.51	40	0.58	890	2
BB-05040	201 202	< 0.2	1.42	78	120	0.5	< 2	0.52	< 0.5	11	14	17	3.04	< 10	< 1	0.47	40	0.42	905	1
BB-05041	201 202	< 0.2	2.34	30	250	1.0	< 2	0.57	< 0.5	15	39	27	4.38	< 10	< 1	0.46	30	0.95	1385	< 1
BB-05042	201 202	< 0.2	1.72	24	250	0.5	< 2	0.43	< 0.5	12	41	17	3.10	< 10	< 1	0.23	10	0.89	440	< 1
BB-05043	201 202	0.2	1.86	182	170	1.5	< 2	0.60	< 0.5	9	24	21	3.38	< 10	< 1	0.26	20	0.56	620	2
BB-05044	201 202	< 0.2	2.58	42	200	0.5	< 2	0.94	< 0.5	23	35	21	4.98	< 10	< 1	0.86	10	1.35	865	< 1
BB-05551	201 202	0.2	2.36	4	260	< 0.5	< 2	0.02	< 0.5	6	36	322	6.62	< 10	< 1	0.83	40	1.74	575	9
BB-05552	201 202	0.6	2.03	10	200	< 0.5	< 2	0.14	< 0.5	7	35	354	7.19	10	< 1	0.66	40	1.64	605	11
BB-05553	201 202	< 0.2	6.13	120	350	0.5	< 2	0.46	< 0.5	55	1005	16	6.35	10	< 1	0.50	10	7.24	995	< 1
BB-05554	201 202	0.2	2.31	410	340	0.5	< 2	0.18	1.5	84	901	88	4.85	< 10	< 1	0.15	< 10	2.74	2010	< 1
BB-05555	201 202	< 0.2	2.47	472	940	0.5	< 2	0.71	1.0	82	273	72	7.31	< 10	< 1	1.10	10	2.42	1815	< 1
BB-05556	201 202	< 0.2	4.96	46	570	< 0.5	< 2	0.40	< 0.5	42	151	156	5.77	< 10	< 1	0.37	< 10	2.27	1845	< 1
BB-05557	201 202	< 0.2	3.81	8	360	0.5	< 2	0.24	< 0.5	25	140	89	5.68	< 10	< 1	0.34	10	2.03	855	2
BB-05558	201 202	< 0.2	1.52	18	370	0.5	< 2	0.28	< 0.5	18	18	86	2.56	< 10	< 1	0.15	40	0.53	2620	1
BB-05559	201 202	< 0.2	1.18	12	340	0.5	< 2	0.23	< 0.5	8	5	42	2.05	< 10	< 1	0.21	50	0.22	2310	< 1
BB-05560	201 202	< 0.2	0.69	44	260	1.0	< 2	0.19	< 0.5	14	5	40	1.08	< 10	< 1	0.22	40	0.10	740	1
BB-05561	201 202	0.2	5.23	6	480	0.5	< 2	0.47	< 0.5	53	152	203	8.06	10	< 1	1.07	10	3.17	3000	1
BB-05562	201 202	0.6	1.58	68	190	0.5	< 2	0.23	1.0	13	18	59	2.87	< 10	< 1	0.22	60	0.57	850	2
BB-05563	201 202	< 0.2	1.08	68	110	< 0.5	< 2	0.09	< 0.5	5	21	18	2.20	< 10	< 1	0.13	10	0.27	375	1
BB-05564	201 202	< 0.2	1.25	58	190	1.5	< 2	0.17	< 0.5	5	10	15	1.99	< 10	< 1	0.16	70	0.25	1040	< 1
BB-05565	201 202	< 0.2	0.75	12	70	< 0.5	< 2	0.04	< 0.5	1	8	9	1.08	< 10	< 1	0.15	10	0.09	160	< 1
BB-05566	201 202	< 0.2	1.12	40	140	0.5	< 2	0.12	< 0.5	4	13	13	1.69	< 10	< 1	0.12	20	0.20	340	< 1
BB-05567	201 202	< 0.2	1.00	8	120	< 0.5	< 2	0.13	< 0.5	3	8	15	1.23	< 10	< 1	0.10	10	0.11	280	1
BB-05568	201 202	< 0.2	1.85	30	140	0.5	< 2	0.04	< 0.5	6	13	35	2.60	< 10	< 1	0.22	10	0.37	675	1
BB-05569	201 202	< 0.2	1.30	28	130	0.5	< 2	0.12	< 0.5	4	9	28	2.02	< 10	< 1	0.18	10	0.23	780	1
BB-05570	201 202	< 0.2	2.54	48	410	< 0.5	< 2	0.61	< 0.5	8	65	16	3.02	< 10	< 1	0.11	10	1.05	375	2
BB-05701	201 202	< 0.2	2.83	8	220	1.0	< 2	0.85	< 0.5	23	66	31	4.84	< 10	< 1	0.77	10	1.66	770	< 1
BB-05702	201 202	< 0.2	2.79	10	190	1.0	< 2	0.82	< 0.5	22	56	21	4.86	< 10	< 1	0.78	10	1.55	690	< 1
BB-05703	201 202	0.8	2.23	22	190	< 0.5	< 2	0.51	0.5	17	66	40	3.80	< 10	< 1	0.14	10	1.30	475	1
BB-05704	201 202	< 0.2	2.06	28	80	< 0.5	< 2	0.30	< 0.5	15	52	12	4.37	< 10	< 1	0.15	10	1.15	360	2
BB-05705	201 202	< 0.2	2.22	26	120	0.5	< 2	0.37	< 0.5	16	62	16	3.25	< 10	< 1	0.22	10	1.24	340	< 1
BB-05706	201 202	< 0.2	2.34	24	230	0.5	< 2	0.48	< 0.5	16	63	22	3.62	< 10	< 1	0.32	10	1.25	335	< 1
BB-05707	201 202	< 0.2	2.43	64	80	0.5	< 2	0.18	< 0.5	15	54	11	5.11	10	< 1	0.21	10	0.79	400	< 1
BB-06592	201 202	< 0.2	1.80	252	120	0.5	< 2	0.05	0.5	6	28	20	2.77	< 10	< 1	0.15	20	0.48	295	1
BB-06593	201 202	< 0.2	4.10	172	300	1.0	< 2	0.44	0.5	21	108	213	5.38	10	< 1	1.08	60	3.05	1015	3

CERTIFICATION:

Hart Bechler

* SAMPLE DESCRIPTION CHANGE ON SAMPLES 05551 THRU 05570



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
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 Invoice No. : 19623396
 P.O. Number :
 Account : MPO

Project : SLAPSHOT
 Comments:

* CORRECTED COPY

CERTIFICATE OF ANALYSIS A9623396

SAMPLE	PREP		Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
	CODE		%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
BB-05034	201	202	< 0.01	35	820	6	2	6	17	0.26	< 10	< 10	135	< 10	74
BB-05035	201	202	< 0.01	38	970	2	< 2	8	28	0.30	< 10	< 10	125	< 10	372
BB-05036	201	202	< 0.01	79	770	2	< 2	9	28	0.21	< 10	< 10	117	< 10	72
BB-05037	201	202	< 0.01	144	590	2	< 2	7	25	0.17	< 10	< 10	104	< 10	64
BB-05038	201	202	< 0.01	23	1010	6	< 2	7	16	0.24	< 10	< 10	107	< 10	64
BB-05039	201	202	< 0.01	13	1310	12	< 2	6	19	0.15	< 10	< 10	63	< 10	42
BB-05040	201	202	< 0.01	8	1470	10	< 2	4	17	0.08	< 10	< 10	42	< 10	34
BB-05041	201	202	< 0.01	20	860	14	< 2	7	24	0.12	< 10	< 10	64	< 10	96
BB-05042	201	202	< 0.01	23	1280	24	< 2	5	20	0.11	< 10	< 10	77	< 10	100
BB-05043	201	202	0.02	14	840	30	2	5	23	0.03	< 10	< 10	47	< 10	72
BB-05044	201	202	< 0.01	18	1360	14	< 2	6	28	0.29	< 10	< 10	124	< 10	66
BB-05551	201	202	0.03	11	580	58	< 2	6	10	0.15	< 10	< 10	36	< 10	98
BB-05552	201	202	0.04	9	660	140	< 2	4	19	0.10	< 10	< 10	26	< 10	128
BB-05553	201	202	< 0.01	652	540	2	< 2	25	18	0.09	< 10	< 10	172	< 10	242
BB-05554	201	202	< 0.01	833	470	30	< 2	14	20	0.05	< 10	< 10	79	< 10	250
BB-05555	201	202	< 0.01	530	1140	6	< 2	28	57	0.11	< 10	< 10	135	< 10	332
BB-05556	201	202	< 0.01	92	810	4	< 2	8	12	0.31	< 10	< 10	177	< 10	106
BB-05557	201	202	< 0.01	81	920	8	< 2	13	16	0.22	< 10	< 10	178	< 10	186
BB-05558	201	202	< 0.01	26	390	102	< 2	6	24	0.01	< 10	< 10	26	< 10	108
BB-05559	201	202	< 0.01	19	330	18	< 2	3	31	< 0.01	< 10	< 10	8	< 10	54
BB-05560	201	202	< 0.01	20	250	40	2	1	11	< 0.01	< 10	< 10	5	< 10	68
BB-05561	201	202	< 0.01	99	1180	8	< 2	18	18	0.34	< 10	< 10	284	< 10	96
BB-05562	201	202	< 0.01	32	730	120	< 2	3	23	< 0.01	< 10	< 10	21	< 10	264
BB-05563	201	202	< 0.01	15	720	18	< 2	1	13	0.01	< 10	< 10	32	< 10	60
BB-05564	201	202	< 0.01	13	250	40	< 2	3	16	< 0.01	< 10	< 10	12	< 10	56
BB-05565	201	202	< 0.01	6	580	12	< 2	< 1	6	< 0.01	< 10	< 10	15	< 10	32
BB-05566	201	202	0.01	10	430	20	< 2	1	11	< 0.01	< 10	< 10	20	< 10	50
BB-05567	201	202	0.07	6	730	8	< 2	< 1	9	0.01	< 10	< 10	21	< 10	28
BB-05568	201	202	< 0.01	16	530	50	< 2	1	5	< 0.01	< 10	< 10	21	< 10	90
BB-05569	201	202	< 0.01	11	390	36	< 2	1	7	< 0.01	< 10	< 10	15	< 10	60
BB-05570	201	202	0.01	24	750	12	< 2	4	33	0.05	< 10	< 10	69	< 10	76
BB-05701	201	202	< 0.01	27	950	12	< 2	6	24	0.26	< 10	< 10	109	< 10	86
BB-05702	201	202	< 0.01	22	1000	12	< 2	6	28	0.28	< 10	< 10	121	< 10	86
BB-05703	201	202	0.01	33	540	38	< 2	4	28	0.12	< 10	< 10	63	< 10	134
BB-05704	201	202	< 0.01	26	750	26	< 2	3	17	0.17	< 10	< 10	93	< 10	112
BB-05705	201	202	< 0.01	28	670	10	< 2	4	17	0.18	< 10	< 10	63	< 10	58
BB-05706	201	202	< 0.01	29	1010	8	< 2	3	25	0.24	< 10	< 10	61	< 10	52
BB-05707	201	202	< 0.01	18	470	22	< 2	5	13	0.26	< 10	< 10	101	< 10	100
BB-06592	201	202	< 0.01	15	400	84	< 2	2	4	0.04	< 10	< 10	29	< 10	286
BB-06593	201	202	< 0.01	34	510	32	< 2	15	17	0.27	< 10	< 10	113	< 10	566

CERTIFICATION: *Hart Bichler*

* SAMPLE DESCRIPTION CHANGE ON SAMPLES 05551 THRU 05570



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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

Project: SLAPSHOT
Comments:

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Invoice No.: 19623396
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CERTIFICATE OF ANALYSIS

A9623396

SAMPLE	PREP CODE		Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo
			ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
BB-06594	201	202	< 0.2	3.37	32	510	0.5	< 2	0.38	0.5	21	86	211	5.25	< 10	< 1	1.15	40	2.51	945	1
BB-06595	201	202	< 0.2	4.88	34	570	1.5	< 2	0.24	< 0.5	25	116	92	6.44	10	1	1.68	30	3.05	1025	< 1
BB-06596	201	202	< 0.2	4.06	46	250	1.5	< 2	0.35	< 0.5	21	93	34	6.25	10	< 1	0.86	10	2.24	720	1
BB-06597	201	202	< 0.2	4.13	44	310	1.5	< 2	0.22	< 0.5	21	92	34	5.40	10	< 1	0.76	30	2.31	700	1
BB-06598	201	202	< 0.2	3.77	74	130	0.5	< 2	0.10	< 0.5	16	74	25	5.96	10	< 1	0.40	20	1.78	505	1
BB-06599	201	202	< 0.2	2.58	124	110	1.0	< 2	0.13	< 0.5	14	51	54	4.10	< 10	< 1	0.57	30	1.46	465	1
BB-06600	201	202	< 0.2	2.80	202	180	1.5	< 2	0.24	< 0.5	15	49	37	3.83	< 10	< 1	0.70	30	1.62	515	< 1
BB-06601	201	202	0.2	4.50	28	130	1.5	< 2	1.36	1.0	27	53	101	6.47	10	< 1	1.12	30	2.78	1290	2
BB-06602	201	202	< 0.2	4.25	42	120	2.0	< 2	0.32	< 0.5	22	74	40	5.81	10	1	0.53	20	2.28	645	1
BB-06603	201	202	< 0.2	7.26	52	70	4.0	< 2	0.43	< 0.5	36	78	1	4.70	10	< 1	0.40	20	4.59	400	< 1
BB-06604	201	202	< 0.2	3.15	112	110	6.0	4	0.53	< 0.5	7	22	10	2.87	< 10	< 1	0.17	40	0.60	485	1
BB-06605	201	202	< 0.2	3.48	12	100	5.5	12	0.81	< 0.5	6	21	8	2.88	10	< 1	0.18	20	0.48	580	1
BB-06606	201	202	< 0.2	2.50	10	90	5.0	6	0.41	< 0.5	6	18	7	2.57	10	< 1	0.23	30	0.51	355	1
BB-06607	201	202	< 0.2	2.26	2	50	3.5	2	0.50	< 0.5	4	8	2	1.79	< 10	< 1	0.19	30	0.41	280	< 1
BB-06608	201	202	< 0.2	2.63	6	70	7.0	8	0.25	< 0.5	5	9	2	2.46	10	< 1	0.22	50	0.54	390	< 1
BB-06609	201	202	< 0.2	2.70	20	120	5.5	8	0.27	< 0.5	6	23	11	2.75	10	< 1	0.20	30	0.47	390	1

CERTIFICATION: Hart Bechler

* SAMPLE DESCRIPTION CHANGE ON SAMPLES 05551 THRU 05570



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
British Columbia, Canada V7J 2C1
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To: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : SLAPSHOT
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Certificate Date: 15-JUL-96
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CERTIFICATE OF ANALYSIS

A9623396

SAMPLE	PREP		Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
	CODE		%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
BB-06594	201	202	< 0.01	29	770	74	< 2	11	15	0.29	< 10	< 10	102	< 10	628
BB-06595	201	202	< 0.01	36	530	30	< 2	16	13	0.43	< 10	< 10	139	< 10	246
BB-06596	201	202	< 0.01	28	510	20	< 2	13	16	0.40	< 10	< 10	131	< 10	200
BB-06597	201	202	< 0.01	27	540	20	< 2	12	12	0.39	< 10	< 10	119	< 10	178
BB-06598	201	202	< 0.01	21	500	28	< 2	10	6	0.37	< 10	< 10	136	< 10	168
BB-06599	201	202	< 0.01	18	510	38	< 2	6	6	0.20	< 10	< 10	73	< 10	142
BB-06600	201	202	< 0.01	17	200	36	< 2	9	11	0.25	< 10	< 10	87	< 10	160
BB-06601	201	202	< 0.01	21	2080	194	< 2	17	71	0.42	< 10	30	171	< 10	604
BB-06602	201	202	< 0.01	28	620	16	< 2	11	21	0.29	< 10	< 10	123	< 10	134
BB-06603	201	202	< 0.01	39	880	14	< 2	9	24	0.15	< 10	< 10	80	< 10	96
BB-06604	201	202	0.01	14	1100	36	< 2	3	40	0.03	< 10	40	44	< 10	72
BB-06605	201	202	0.01	12	1430	42	< 2	1	80	0.04	< 10	< 10	44	< 10	86
BB-06606	201	202	0.01	11	1030	26	< 2	3	29	0.09	< 10	< 10	45	< 10	72
BB-06607	201	202	0.01	5	780	20	< 2	3	29	0.04	< 10	< 10	27	< 10	46
BB-06608	201	202	< 0.01	5	470	38	< 2	5	17	0.08	< 10	< 10	33	< 10	68
BB-06609	201	202	0.01	14	1030	42	< 2	3	22	0.05	< 10	< 10	52	< 10	72

CERTIFICATION: *Hart Bichler*

* SAMPLE DESCRIPTION CHANGE ON SAMPLES 05551 THRU 05570



Chemex Labs Ltd.

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

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 Total Pages 5
 Certificate Date: 12-JUL-96
 Invoice No. : 19622865
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Project : SLAPSHOT *Rink*
 Comments :

CERTIFICATE OF ANALYSIS A9622865

SAMPLE	PREP CODE		Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo
			ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
BB 00651	201	202	< 0.2	1.74	< 2	100	< 0.5	< 2	0.20	< 0.5	11	48	13	2.60	< 10	< 1	0.16	< 10	1.14	270	< 1
BB 00652	201	202	< 0.2	2.76	< 2	260	0.5	< 2	0.66	< 0.5	17	55	34	4.49	< 10	< 1	0.67	30	1.75	635	1
BB 00653	201	202	< 0.2	1.92	2	130	0.5	< 2	0.72	< 0.5	12	45	18	3.29	< 10	< 1	0.25	10	1.22	400	< 1
BB 00654	201	202	< 0.2	2.38	< 2	240	0.5	< 2	0.82	0.5	17	54	35	3.61	< 10	< 1	0.32	30	1.39	410	2
BB 00655	201	202	< 0.2	1.94	36	220	< 0.5	< 2	0.72	0.5	13	49	34	3.27	< 10	< 1	0.18	10	1.23	500	1
BB 00656	201	202	< 0.2	2.39	24	300	0.5	< 2	0.48	0.5	20	61	51	3.55	< 10	< 1	0.26	20	1.39	590	6
BB 00657	201	202	< 0.2	2.41	8	220	0.5	< 2	0.65	< 0.5	15	60	40	3.22	< 10	< 1	0.38	30	1.40	325	< 1
BB 00658	201	202	< 0.2	2.70	12	380	0.5	< 2	1.01	0.5	19	65	58	3.95	< 10	< 1	0.46	20	1.41	1160	1
BB 00659	201	202	< 0.2	2.33	30	240	0.5	< 2	0.73	< 0.5	17	59	49	3.77	< 10	< 1	0.37	30	1.28	955	1
BB 00660	201	202	< 0.2	2.11	14	230	< 0.5	< 2	0.65	< 0.5	17	55	50	3.44	< 10	< 1	0.38	10	1.29	765	1
BB 00661	201	202	< 0.2	2.44	12	220	< 0.5	< 2	0.78	< 0.5	16	65	48	3.97	< 10	< 1	0.30	10	1.38	590	< 1
BB 00662	201	202	< 0.2	2.25	6	200	< 0.5	< 2	0.29	< 0.5	15	60	26	3.74	< 10	< 1	0.13	20	1.22	470	< 1
BB 00663	201	202	< 0.2	3.93	30	80	0.5	< 2	0.22	< 0.5	29	57	47	6.43	< 10	< 1	0.29	10	1.71	415	< 1
BB 01153	201	202	< 0.2	2.88	6	270	0.5	< 2	0.62	0.5	22	57	29	4.97	< 10	< 1	0.83	40	1.63	1380	1
BB 01154	201	202	< 0.2	3.88	130	430	1.0	< 2	0.77	1.5	34	78	38	6.23	10	< 1	1.85	20	2.37	985	< 1
BB 01155	201	202	< 0.2	4.00	132	500	1.0	< 2	0.82	1.5	33	82	44	6.45	10	< 1	1.79	30	2.38	1040	2
BB 01156	201	202	< 0.2	3.61	70	460	1.0	< 2	0.74	1.0	25	61	30	5.91	< 10	< 1	1.37	40	1.96	925	1
BB 01157	201	202	< 0.2	3.73	108	490	1.0	< 2	0.73	1.5	27	70	35	5.92	< 10	< 1	1.32	40	2.08	820	< 1
BB 01158	201	202	< 0.2	5.14	< 2	1130	1.5	< 2	0.60	0.5	33	134	11	6.81	10	< 1	2.85	< 10	3.48	1045	< 1
BB 01159	201	202	< 0.2	3.68	54	400	1.5	< 2	0.47	0.5	24	76	36	5.74	< 10	< 1	1.36	40	2.17	895	< 1
BB 01160	201	202	0.2	1.33	134	50	< 0.5	< 2	0.07	1.0	9	22	25	3.14	< 10	< 1	0.09	10	0.42	210	1
BB 01161	201	202	< 0.2	2.01	22	60	< 0.5	< 2	0.17	0.5	13	40	24	3.85	< 10	< 1	0.19	10	0.96	265	< 1
BB 01162	201	202	0.2	2.28	8	180	< 0.5	< 2	0.68	< 0.5	12	34	15	3.97	< 10	< 1	0.17	10	0.85	535	1
BB 01163	201	202	0.2	2.84	30	260	0.5	< 2	1.02	0.5	32	49	31	4.03	< 10	< 1	0.29	20	1.00	3520	4
BB 01164	201	202	< 0.2	2.07	24	110	< 0.5	< 2	0.82	< 0.5	13	38	16	3.09	< 10	< 1	0.26	10	0.96	290	< 1
BB 01165	201	202	< 0.2	2.42	16	140	0.5	< 2	0.65	< 0.5	14	47	20	3.34	< 10	< 1	0.33	10	1.05	300	1
BB 01166	201	202	< 0.2	2.79	14	190	0.5	< 2	0.74	< 0.5	19	57	24	3.66	< 10	< 1	0.41	20	1.25	370	1
BB 01167	201	202	< 0.2	2.81	24	190	0.5	< 2	0.34	0.5	19	57	33	3.98	< 10	< 1	0.35	10	1.30	410	< 1
BB 01168	201	202	< 0.2	2.34	30	110	0.5	< 2	0.74	0.5	19	54	38	3.80	< 10	< 1	0.49	20	1.31	460	1
BB 01169	201	202	< 0.2	2.55	128	90	0.5	< 2	0.19	1.0	16	64	34	4.64	< 10	< 1	0.20	10	1.17	500	2
BB 01170	201	202	< 0.2	3.08	118	140	0.5	< 2	0.14	1.0	23	84	74	6.40	10	< 1	0.44	20	1.47	725	2
BB 01171	201	202	< 0.2	3.32	< 2	300	0.5	< 2	0.49	0.5	25	69	64	5.25	< 10	< 1	1.33	30	2.32	940	1
BB 01172	201	202	< 0.2	2.03	4	70	< 0.5	< 2	0.15	< 0.5	11	55	18	3.89	< 10	< 1	0.14	10	0.79	215	1
BB 01173	201	202	< 0.2	3.00	12	120	1.0	< 2	0.32	0.5	37	98	63	4.96	< 10	< 1	0.41	30	1.61	990	< 1
BB 01174	201	202	0.6	1.91	2	60	< 0.5	< 2	0.15	< 0.5	9	39	15	2.52	< 10	< 1	0.17	10	0.78	200	< 1
BB 01175	201	202	< 0.2	3.50	28	150	0.5	< 2	0.99	0.5	18	62	32	4.57	10	< 1	0.23	30	1.26	630	< 1
BB 01176	201	202	< 0.2	2.99	12	130	0.5	< 2	0.69	< 0.5	15	62	17	4.28	10	< 1	0.18	20	1.18	430	< 1
BB 01177	201	202	< 0.2	2.05	38	60	< 0.5	< 2	0.14	0.5	10	41	13	3.29	< 10	< 1	0.19	10	0.77	245	< 1
BB 01178	201	202	< 0.2	3.10	8	90	0.5	< 2	0.21	< 0.5	16	65	17	4.25	< 10	< 1	0.27	10	1.17	315	< 1
BB 01179	201	202	< 0.2	3.00	28	130	0.5	< 2	0.75	0.5	19	60	40	4.01	< 10	< 1	0.44	30	1.46	335	< 1

CERTIFICATION: *Hart Buchler*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
 212 Brooksbank Ave., North Vancouver
 British Columbia, Canada V7J 2C1
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SAMPLE	PREP		Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
	CODE		%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
BB 00651	201	202	< 0.01	18	330	6	< 2	4	9	0.15	< 10	< 10	66	< 10	54
BB 00652	201	202	< 0.01	24	1040	8	< 2	7	26	0.20	< 10	< 10	83	< 10	94
BB 00653	201	202	< 0.01	19	1540	2	< 2	6	26	0.09	< 10	< 10	67	< 10	70
BB 00654	201	202	< 0.01	24	1000	6	< 2	8	30	0.11	< 10	< 10	80	< 10	92
BB 00655	201	202	< 0.01	22	1140	12	< 2	6	29	0.11	< 10	< 10	61	< 10	90
BB 00656	201	202	< 0.01	38	960	12	< 2	6	19	0.14	< 10	< 10	79	< 10	132
BB 00657	201	202	< 0.01	31	830	14	< 2	7	26	0.14	< 10	< 10	63	< 10	120
BB 00658	201	202	< 0.01	39	760	12	< 2	8	39	0.14	< 10	< 10	72	< 10	144
BB 00659	201	202	< 0.01	36	890	12	< 2	7	28	0.15	< 10	< 10	71	< 10	112
BB 00660	201	202	< 0.01	33	980	12	< 2	7	26	0.14	< 10	< 10	68	< 10	102
BB 00661	201	202	< 0.01	34	490	12	< 2	7	32	0.18	< 10	< 10	82	< 10	122
BB 00662	201	202	< 0.01	27	470	14	< 2	5	13	0.18	< 10	< 10	80	< 10	80
BB 00663	201	202	< 0.01	72	670	8	< 2	5	22	0.25	< 10	< 10	125	< 10	142
BB 01153	201	202	< 0.01	24	910	14	< 2	13	29	0.25	< 10	< 10	112	< 10	72
BB 01154	201	202	< 0.01	37	570	10	< 2	11	31	0.31	< 10	< 10	130	< 10	108
BB 01155	201	202	< 0.01	39	640	16	< 2	11	32	0.30	< 10	< 10	137	< 10	112
BB 01156	201	202	< 0.01	27	1070	10	< 2	10	31	0.29	< 10	< 10	127	< 10	106
BB 01157	201	202	< 0.01	30	980	10	< 2	10	30	0.27	< 10	< 10	125	< 10	100
BB 01158	201	202	< 0.01	39	1130	2	< 2	9	16	0.46	< 10	< 10	161	< 10	118
BB 01159	201	202	< 0.01	25	1020	6	< 2	8	22	0.30	< 10	< 10	118	< 10	112
BB 01160	201	202	< 0.01	30	610	28	< 2	1	19	0.06	< 10	< 10	48	< 10	74
BB 01161	201	202	< 0.01	27	700	16	< 2	4	19	0.12	< 10	< 10	59	< 10	68
BB 01162	201	202	< 0.01	23	370	16	< 2	3	50	0.10	< 10	< 10	47	< 10	78
BB 01163	201	202	< 0.01	39	1030	20	< 2	4	70	0.08	< 10	< 10	56	< 10	108
BB 01164	201	202	0.01	25	590	12	< 2	4	56	0.10	< 10	< 10	39	< 10	70
BB 01165	201	202	0.01	28	480	12	< 2	5	55	0.12	< 10	< 10	48	< 10	92
BB 01166	201	202	< 0.01	32	730	18	< 2	6	55	0.15	< 10	< 10	57	< 10	112
BB 01167	201	202	< 0.01	32	690	18	< 2	6	28	0.16	< 10	< 10	64	< 10	104
BB 01168	201	202	< 0.01	37	1430	16	< 2	6	63	0.13	< 10	< 10	57	< 10	98
BB 01169	201	202	< 0.01	33	490	26	< 2	4	21	0.11	< 10	< 10	69	< 10	100
BB 01170	201	202	< 0.01	45	420	36	< 2	6	12	0.18	< 10	< 10	96	< 10	140
BB 01171	201	202	< 0.01	31	1080	20	< 2	9	14	0.28	< 10	< 10	81	< 10	152
BB 01172	201	202	< 0.01	24	510	22	< 2	3	21	0.17	< 10	< 10	73	< 10	58
BB 01173	201	202	< 0.01	69	950	20	< 2	7	16	0.15	< 10	< 10	90	< 10	134
BB 01174	201	202	0.01	17	630	16	< 2	3	14	0.12	< 10	< 10	50	< 10	46
BB 01175	201	202	0.01	35	750	26	< 2	8	106	0.14	< 10	< 10	67	< 10	186
BB 01176	201	202	< 0.01	31	820	16	< 2	6	63	0.15	< 10	< 10	63	< 10	194
BB 01177	201	202	< 0.01	22	590	12	< 2	4	17	0.10	< 10	< 10	51	< 10	56
BB 01178	201	202	< 0.01	37	580	12	< 2	5	19	0.13	< 10	< 10	60	< 10	76
BB 01179	201	202	0.01	47	720	12	< 2	6	74	0.14	< 10	< 10	57	< 10	94

CERTIFICATION: Stuart Buchler



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EXPATRIATE RESOURCES LTD.
 C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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Project : SLAPSHOT
 Comments:

CERTIFICATE OF ANALYSIS A9622865

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
BB 01180	201	202	< 0.2	3.68	< 2	150	1.0	< 2	0.48	< 0.5	17	64	22	4.97	10	< 1	0.16	60	1.21	665	< 1
BB 01181	201	202	< 0.2	2.34	< 2	110	0.5	< 2	0.49	< 0.5	15	51	19	3.43	< 10	< 1	0.15	60	0.88	620	< 1
BB 01183	201	202	< 0.2	3.10	8	80	0.5	< 2	0.27	< 0.5	15	66	20	4.24	< 10	1	0.23	20	1.47	315	< 1
BB 01184	201	202	< 0.2	2.67	< 2	290	0.5	< 2	0.37	< 0.5	14	51	33	4.25	< 10	< 1	0.37	50	1.22	655	1
BB 01185	201	202	< 0.2	3.46	18	300	1.0	< 2	0.82	< 0.5	21	71	27	5.61	10	< 1	0.74	20	2.05	900	2
BB 01186	201	202	< 0.2	4.64	22	390	1.5	< 2	0.53	< 0.5	26	109	30	6.71	10	2	1.54	30	2.89	810	1
BB 01187	201	202	< 0.2	2.66	20	230	0.5	< 2	0.35	< 0.5	13	50	30	4.42	10	1	0.69	10	1.67	415	1
BB 01188	201	202	< 0.2	2.45	36	190	0.5	< 2	0.54	< 0.5	14	41	21	3.82	< 10	1	0.43	30	1.38	455	1
BB 01189	201	202	< 0.2	2.44	6	180	1.0	< 2	0.63	< 0.5	14	56	9	3.31	< 10	< 1	0.47	10	1.43	465	< 1
BB 01190	201	202	< 0.2	2.47	30	360	0.5	< 2	0.71	< 0.5	14	40	15	4.10	< 10	3	0.69	30	1.44	410	1
BB 01191	201	202	< 0.2	2.20	12	120	0.5	< 2	0.73	< 0.5	15	56	18	3.02	< 10	1	0.31	10	1.29	265	< 1
BB 01192	201	202	< 0.2	1.85	56	120	0.5	< 2	0.69	< 0.5	10	40	19	3.24	< 10	< 1	0.16	20	0.97	325	1
BB 01193	201	202	< 0.2	1.54	32	110	0.5	< 2	0.63	< 0.5	10	35	14	2.34	< 10	< 1	0.14	10	0.82	365	< 1
BB 01194	201	202	< 0.2	1.46	12	80	< 0.5	< 2	0.39	< 0.5	8	27	11	2.33	< 10	< 1	0.13	10	0.76	270	< 1
BB 01195	201	202	0.2	1.91	32	70	0.5	< 2	0.22	< 0.5	11	43	31	3.19	< 10	< 1	0.23	20	1.03	370	1
BB 01196	201	202	< 0.2	2.21	42	160	< 0.5	< 2	1.00	< 0.5	14	44	27	3.34	< 10	< 1	0.49	20	1.19	405	< 1
BB 01197	201	202	< 0.2	2.28	44	210	< 0.5	< 2	0.67	< 0.5	18	54	43	3.95	< 10	1	0.42	30	1.24	580	1
BB 01198	201	202	< 0.2	1.96	58	100	< 0.5	< 2	0.44	< 0.5	12	40	21	3.15	< 10	< 1	0.21	10	1.11	365	1
BB 01199	201	202	< 0.2	1.98	92	110	0.5	< 2	0.44	< 0.5	12	45	7	4.77	< 10	< 1	0.21	10	0.86	520	1
BB 01200	201	202	< 0.2	0.68	10	50	< 0.5	< 2	0.47	< 0.5	2	< 1	4	0.45	< 10	< 1	0.05	< 10	0.08	175	< 1
BB 01201	201	202	< 0.2	0.60	24	40	< 0.5	< 2	0.63	< 0.5	< 1	< 1	7	0.11	< 10	< 1	0.03	< 10	0.04	25	3
BB 01202	201	202	< 0.2	1.11	20	150	0.5	< 2	1.47	0.5	5	18	19	1.41	< 10	< 1	0.09	10	0.40	520	1
BB 01203	201	202	< 0.2	1.67	80	100	0.5	< 2	0.63	< 0.5	6	30	11	2.68	< 10	< 1	0.25	10	0.79	285	1
BB 01204	201	202	< 0.2	0.71	8	80	< 0.5	< 2	0.87	< 0.5	1	10	4	0.63	< 10	1	0.07	< 10	0.26	80	3
BB 01205	201	202	< 0.2	1.83	46	160	0.5	< 2	1.18	< 0.5	10	38	21	2.42	< 10	< 1	0.19	10	0.80	325	1
BB 01206	201	202	< 0.2	2.71	86	180	1.0	< 2	0.91	< 0.5	20	66	28	4.39	< 10	< 1	0.28	20	1.47	1130	3
BB 01207	201	202	0.2	2.91	32	50	1.5	< 2	0.35	< 0.5	12	41	18	3.09	< 10	< 1	0.19	10	0.90	295	< 1
BB 01208	201	202	< 0.2	1.69	102	120	0.5	< 2	0.88	< 0.5	9	32	19	2.86	< 10	< 1	0.20	10	0.76	265	4
BB 01209	201	202	< 0.2	1.78	138	140	0.5	< 2	0.78	< 0.5	11	35	17	3.52	< 10	< 1	0.19	20	0.82	425	4
BB 01210	201	202	0.2	2.88	40	190	1.5	< 2	0.86	< 0.5	14	62	29	3.81	< 10	< 1	0.16	30	1.37	315	1
BB 01211	201	202	0.2	1.54	26	140	0.5	< 2	1.42	0.5	7	27	24	1.95	< 10	< 1	0.10	20	0.63	195	1
BB 01212	201	202	0.2	3.98	18	660	0.5	< 2	0.21	< 0.5	17	183	20	6.50	10	< 1	0.77	10	2.42	1020	1
BB 01213	201	202	0.2	2.06	< 2	90	< 0.5	< 2	0.23	< 0.5	15	46	13	6.87	10	< 1	0.04	< 10	0.90	800	< 1
BB 01214	201	202	< 0.2	1.46	< 2	130	< 0.5	< 2	0.04	< 0.5	2	17	7	1.11	< 10	< 1	0.09	< 10	0.36	190	1
BB 01215	201	202	0.4	2.04	8	420	0.5	< 2	0.55	< 0.5	5	29	18	2.33	< 10	< 1	0.16	10	0.47	425	2
BB 01216	201	202	0.8	2.75	2	530	< 0.5	< 2	0.79	< 0.5	14	60	31	4.04	< 10	1	0.20	10	1.30	1350	2
BB 01217	201	202	< 0.2	2.59	< 2	340	< 0.5	< 2	0.34	< 0.5	13	67	26	4.00	< 10	< 1	0.15	10	1.33	505	1
BB 01218	201	202	< 0.2	0.93	< 2	90	< 0.5	< 2	0.24	< 0.5	2	1	7	0.42	< 10	1	0.02	10	0.06	30	1
BB 01219	201	202	0.4	2.87	< 2	390	< 0.5	< 2	0.80	< 0.5	16	73	40	3.83	< 10	< 1	0.12	10	1.39	505	1
BB 01220	201	202	0.2	2.99	4	280	< 0.5	< 2	0.67	< 0.5	19	120	30	4.62	< 10	< 1	0.10	10	1.74	600	1

CERTIFICATION: *Heidi Buchler*



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To: EXPATRIATE RESOURCES LTD.
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CERTIFICATE OF ANALYSIS A9622865

SAMPLE	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB 01180	201 202	0.01	40	1110	20	< 2	6	119	0.11	< 10	< 10	49	< 10	134
BB 01181	201 202	0.04	28	810	22	< 2	3	48	0.09	< 10	< 10	48	< 10	76
BB 01183	201 202	< 0.01	33	760	6	< 2	5	18	0.15	< 10	< 10	73	< 10	72
BB 01184	201 202	< 0.01	19	860	10	< 2	5	23	0.13	< 10	< 10	94	< 10	78
BB 01185	201 202	< 0.01	28	1300	8	< 2	9	32	0.21	< 10	< 10	125	< 10	96
BB 01186	201 202	< 0.01	31	980	6	2	11	27	0.33	< 10	< 10	136	< 10	84
BB 01187	201 202	< 0.01	16	890	2	2	5	19	0.24	< 10	< 10	98	< 10	58
BB 01188	201 202	< 0.01	20	1160	10	2	6	28	0.13	< 10	< 10	80	< 10	70
BB 01189	201 202	< 0.01	18	790	36	2	7	26	0.07	< 10	< 10	67	< 10	68
BB 01190	201 202	< 0.01	20	1300	8	< 2	7	32	0.17	< 10	< 10	87	< 10	50
BB 01191	201 202	< 0.01	26	1240	14	< 2	5	37	0.13	< 10	< 10	60	< 10	86
BB 01192	201 202	< 0.01	21	1010	18	< 2	4	37	0.10	< 10	10	47	< 10	74
BB 01193	201 202	< 0.01	18	1170	16	2	4	34	0.09	< 10	< 10	41	< 10	64
BB 01194	201 202	< 0.01	14	690	12	< 2	3	20	0.09	< 10	< 10	34	< 10	54
BB 01195	201 202	< 0.01	22	640	20	< 2	4	15	0.12	< 10	< 10	52	< 10	80
BB 01196	201 202	< 0.01	28	890	26	2	5	42	0.12	< 10	< 10	51	< 10	88
BB 01197	201 202	< 0.01	45	880	28	4	6	33	0.10	< 10	< 10	61	< 10	122
BB 01198	201 202	< 0.01	25	870	32	< 2	4	21	0.10	< 10	< 10	46	< 10	104
BB 01199	201 202	< 0.01	17	1550	46	2	3	22	0.14	< 10	< 10	94	< 10	130
BB 01200	201 202	0.13	1	440	4	< 2	< 1	21	0.03	< 10	< 10	11	< 10	8
BB 01201	201 202	0.07	1	510	< 2	< 2	< 1	27	0.01	< 10	< 10	5	< 10	14
BB 01202	201 202	0.01	9	920	14	< 2	1	66	0.03	< 10	< 10	27	< 10	44
BB 01203	201 202	< 0.01	13	800	12	< 2	4	32	0.10	< 10	< 10	40	< 10	78
BB 01204	201 202	< 0.01	4	580	10	< 2	1	34	0.04	< 10	< 10	16	< 10	20
BB 01205	201 202	0.03	20	720	12	< 2	3	49	0.08	< 10	10	43	< 10	74
BB 01206	201 202	< 0.01	35	1130	24	< 2	6	52	0.15	< 10	30	74	< 10	122
BB 01207	201 202	< 0.01	18	750	28	< 2	5	21	0.14	< 10	< 10	55	< 10	58
BB 01208	201 202	0.01	16	1110	30	< 2	4	33	0.08	< 10	10	43	< 10	112
BB 01209	201 202	0.01	20	1090	24	< 2	4	33	0.08	< 10	< 10	47	< 10	76
BB 01210	201 202	0.01	30	1010	28	2	6	44	0.12	< 10	30	65	< 10	124
BB 01211	201 202	0.01	15	850	24	< 2	3	65	0.06	< 10	20	36	< 10	68
BB 01212	201 202	< 0.01	60	790	14	< 2	9	15	0.25	< 10	< 10	135	< 10	168
BB 01213	201 202	< 0.01	12	630	10	< 2	4	11	0.29	< 10	< 10	245	< 10	64
BB 01214	201 202	0.01	6	430	8	< 2	< 1	7	< 0.01	< 10	< 10	32	< 10	36
BB 01215	201 202	0.05	15	2870	12	< 2	1	23	0.01	< 10	< 10	45	< 10	138
BB 01216	201 202	< 0.01	35	1000	12	< 2	7	34	0.12	< 10	< 10	75	< 10	330
BB 01217	201 202	< 0.01	28	440	12	< 2	6	15	0.17	< 10	< 10	94	< 10	106
BB 01218	201 202	0.11	1	520	< 2	< 2	< 1	13	0.03	< 10	< 10	11	< 10	2
BB 01219	201 202	< 0.01	32	1170	10	< 2	6	41	0.14	< 10	< 10	83	< 10	150
BB 01220	201 202	< 0.01	31	530	10	< 2	6	35	0.23	< 10	< 10	101	< 10	70

CERTIFICATION: Hautzschler



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SAMPLE	PREP CODE		Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo
			ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
BB 01221	201	202	0.2	1.22	< 2	110	< 0.5	< 2	0.59	< 0.5	4	19	15	1.62	< 10	1	0.07	< 10	0.31	155	1
BB 01222	201	202	0.2	1.94	2	370	< 0.5	< 2	0.47	< 0.5	7	47	15	2.60	< 10	< 1	0.20	10	0.72	370	1
BB 01223	201	202	< 0.2	1.81	16	250	< 0.5	< 2	0.28	< 0.5	10	42	16	3.43	< 10	< 1	0.15	10	0.79	595	1
BB 01224	201	202	0.2	2.08	6	290	< 0.5	< 2	0.49	< 0.5	14	61	36	3.33	< 10	1	0.17	20	0.96	700	1
BB 01225	201	202	< 0.2	2.35	< 2	210	< 0.5	< 2	0.36	< 0.5	21	71	18	5.68	< 10	< 1	0.17	< 10	0.89	640	1
BB 01226	201	202	< 0.2	2.24	12	260	< 0.5	< 2	0.53	< 0.5	15	65	36	3.98	< 10	< 1	0.14	10	1.34	645	< 1
BB 01227	201	202	0.4	2.42	4	310	0.5	< 2	0.55	< 0.5	10	58	71	3.68	< 10	< 1	0.12	60	1.00	475	1
BB 01228	201	202	< 0.2	2.39	6	340	< 0.5	< 2	0.56	< 0.5	15	76	56	3.84	< 10	< 1	0.10	20	1.42	630	< 1
BB 01229	201	202	< 0.2	3.31	12	470	1.5	< 2	0.78	< 0.5	16	74	66	4.71	< 10	< 1	0.27	70	1.31	1085	4
BB 01230	201	202	< 0.2	1.68	4	280	< 0.5	< 2	0.60	< 0.5	8	31	16	2.34	< 10	< 1	0.17	10	0.67	415	3
BB 01231	201	202	< 0.2	0.38	< 2	30	< 0.5	< 2	0.03	< 0.5	< 1	< 1	1	0.35	< 10	< 1	0.03	< 10	0.04	15	< 1
BB 01232	201	202	< 0.2	3.38	10	250	0.5	< 2	0.40	< 0.5	22	71	63	6.17	10	3	0.38	10	1.90	1095	3
BB 01233	201	202	< 0.2	1.68	20	180	< 0.5	< 2	0.27	< 0.5	12	37	18	3.57	< 10	< 1	0.14	10	0.77	605	3
BB 01234	201	202	0.2	0.67	2	40	< 0.5	< 2	0.32	< 0.5	< 1	< 1	6	0.33	< 10	< 1	0.04	< 10	0.06	25	< 1
BB 05018	201	202	< 0.2	2.49	6	160	0.5	< 2	0.27	< 0.5	14	63	29	3.88	< 10	2	0.19	10	1.38	505	1
BB 05019	201	202	< 0.2	2.42	< 2	190	< 0.5	< 2	0.38	< 0.5	11	62	19	3.75	< 10	< 1	0.13	< 10	1.34	320	1
BB 05020	201	202	< 0.2	1.71	2	120	< 0.5	< 2	0.15	< 0.5	8	41	17	3.13	< 10	1	0.11	< 10	0.64	485	1
BB 05021	201	202	< 0.2	3.01	< 2	320	0.5	< 2	0.67	< 0.5	17	76	47	4.29	< 10	1	0.61	10	1.78	400	1
BB 05022	201	202	< 0.2	2.57	< 2	250	0.5	< 2	0.84	< 0.5	12	62	28	3.67	< 10	< 1	0.20	10	1.49	445	1
BB 05023	201	202	< 0.2	2.96	< 2	340	0.5	< 2	0.67	< 0.5	16	77	69	4.38	< 10	3	0.44	40	1.89	530	< 1
BB 05024	201	202	0.2	3.07	4	260	0.5	< 2	0.47	< 0.5	12	71	26	4.24	< 10	< 1	0.14	10	1.50	375	1
BB 05025	201	202	< 0.2	2.70	14	330	0.5	< 2	0.81	< 0.5	15	60	63	3.99	< 10	1	0.26	50	1.40	710	1
BB 05026	201	202	< 0.2	3.08	2	350	0.5	< 2	0.94	< 0.5	20	72	49	5.09	< 10	< 1	0.32	20	1.80	1000	1
BB 05027	201	202	< 0.2	2.53	2	360	0.5	< 2	1.00	< 0.5	15	61	48	4.00	< 10	< 1	0.36	30	1.27	670	4
BB 05028	201	202	< 0.2	2.21	< 2	290	< 0.5	< 2	0.68	< 0.5	14	62	30	3.56	< 10	< 1	0.30	10	1.38	535	2
BB 05029	201	202	< 0.2	2.68	< 2	270	0.5	< 2	0.54	< 0.5	16	70	41	4.20	< 10	< 1	0.26	20	1.49	710	1
BB 05030	201	202	< 0.2	3.81	< 2	340	0.5	< 2	1.06	< 0.5	20	115	41	4.79	10	< 1	0.47	10	2.89	490	3
BB 05031	201	202	< 0.2	3.26	30	380	0.5	< 2	0.75	< 0.5	16	84	54	4.97	< 10	1	0.44	30	1.79	640	1
BB 05032	201	202	< 0.2	2.76	24	260	0.5	< 2	0.67	< 0.5	15	65	41	4.05	< 10	1	0.42	30	1.54	470	4
BB 05033	201	202	< 0.2	2.23	28	240	0.5	< 2	0.66	< 0.5	14	55	37	3.45	< 10	< 1	0.37	20	1.36	425	1
BB 13580	201	202	< 0.2	1.30	10	120	< 0.5	< 2	0.10	< 0.5	7	29	30	2.82	< 10	< 1	0.12	< 10	0.47	550	< 1
BB 13581	201	202	< 0.2	2.47	12	430	< 0.5	< 2	0.31	< 0.5	20	53	80	3.83	< 10	1	0.61	20	1.24	965	< 1
BB 13582	201	202	< 0.2	5.58	< 2	1040	< 0.5	< 2	0.89	< 0.5	40	215	62	7.58	10	3	1.42	10	4.17	1285	< 1
BB 13583	201	202	< 0.2	3.64	10	700	< 0.5	< 2	0.80	< 0.5	37	44	88	7.72	10	2	0.31	< 10	1.98	1260	< 1
BB 13584	201	202	< 0.2	1.80	118	470	< 0.5	< 2	0.12	< 0.5	17	35	109	4.71	< 10	< 1	0.31	20	0.52	645	1
BB 13585	201	202	< 0.2	1.76	12	130	0.5	< 2	0.12	< 0.5	10	30	44	3.68	< 10	1	0.13	20	0.47	725	2
BB 13586	201	202	< 0.2	3.68	2	570	< 0.5	< 2	0.75	< 0.5	42	80	99	6.97	10	1	0.50	< 10	2.51	1090	1
BB 13587	201	202	< 0.2	4.45	< 2	1120	< 0.5	< 2	0.86	0.5	43	101	80	7.71	10	3	0.84	< 10	2.95	1580	< 1
BB 13588	201	202	< 0.2	3.59	< 2	540	< 0.5	< 2	0.76	< 0.5	35	95	76	6.95	10	1	0.44	< 10	2.44	1560	< 1
BB 13589	201	202	< 0.2	4.08	2	440	0.5	< 2	0.72	< 0.5	34	128	68	6.91	10	2	0.28	< 10	2.66	1040	< 1

CERTIFICATION: *[Signature]*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

Project : SLAPSHOT
Comments:

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Certificate Date: 12-JUL-96
Invoice No. : 19622865
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9622865

SAMPLE	PREP CODE		Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
BB 01221	201	202	0.07	9	770	6	< 2	1	33	0.05	< 10	< 10	30	< 10	58
BB 01222	201	202	0.02	19	1330	22	2	1	29	0.04	< 10	< 10	51	< 10	86
BB 01223	201	202	< 0.01	20	840	16	< 2	3	17	0.10	< 10	< 10	68	< 10	82
BB 01224	201	202	0.02	30	860	14	< 2	4	25	0.06	< 10	< 10	58	< 10	114
BB 01225	201	202	< 0.01	22	710	20	< 2	4	37	0.29	< 10	< 10	146	< 10	144
BB 01226	201	202	< 0.01	30	720	22	< 2	6	23	0.14	< 10	< 10	77	< 10	168
BB 01227	201	202	0.03	31	1010	14	2	6	31	0.09	< 10	< 10	64	< 10	192
BB 01228	201	202	< 0.01	36	890	12	< 2	7	27	0.13	< 10	< 10	82	< 10	128
BB 01229	201	202	0.01	34	1670	18	< 2	9	39	0.05	< 10	< 10	88	< 10	144
BB 01230	201	202	0.03	13	630	10	2	3	24	0.06	< 10	< 10	56	< 10	78
BB 01231	201	202	0.10	< 1	240	< 2	< 2	< 1	4	0.01	< 10	< 10	7	< 10	2
BB 01232	201	202	< 0.01	25	800	28	< 2	8	16	0.21	< 10	< 10	118	< 10	162
BB 01233	201	202	0.03	15	1160	20	< 2	3	14	0.12	< 10	< 10	88	< 10	64
BB 01234	201	202	0.11	< 1	410	< 2	< 2	< 1	13	0.02	< 10	< 10	7	< 10	6
BB 05018	201	202	< 0.01	25	640	8	< 2	4	13	0.17	< 10	< 10	79	< 10	82
BB 05019	201	202	< 0.01	19	780	8	< 2	4	18	0.17	< 10	< 10	89	< 10	70
BB 05020	201	202	0.02	14	980	10	2	1	12	0.10	< 10	< 10	71	< 10	52
BB 05021	201	202	< 0.01	34	610	6	2	9	24	0.20	< 10	< 10	86	< 10	136
BB 05022	201	202	0.01	19	990	6	< 2	4	32	0.15	< 10	< 10	81	< 10	94
BB 05023	201	202	< 0.01	39	780	8	2	7	29	0.22	< 10	< 10	84	< 10	172
BB 05024	201	202	< 0.01	24	1060	8	2	5	25	0.17	< 10	< 10	91	< 10	174
BB 05025	201	202	< 0.01	30	1020	10	2	6	40	0.12	< 10	< 10	74	< 10	162
BB 05026	201	202	< 0.01	29	950	12	2	7	50	0.19	< 10	< 10	98	< 10	172
BB 05027	201	202	0.01	28	900	12	2	6	46	0.13	< 10	< 10	75	< 10	128
BB 05028	201	202	< 0.01	30	920	10	2	6	31	0.12	< 10	< 10	71	< 10	102
BB 05029	201	202	< 0.01	34	690	14	2	7	28	0.13	< 10	< 10	82	< 10	146
BB 05030	201	202	< 0.01	52	810	10	2	12	45	0.27	< 10	< 10	98	< 10	154
BB 05031	201	202	< 0.01	35	890	16	< 2	8	32	0.19	< 10	< 10	102	< 10	170
BB 05032	201	202	< 0.01	27	1000	10	2	7	28	0.17	< 10	< 10	84	< 10	134
BB 05033	201	202	< 0.01	25	920	10	2	6	26	0.14	< 10	< 10	69	< 10	104
BB 13580	201	202	< 0.01	19	970	12	2	< 1	8	0.03	< 10	< 10	56	< 10	60
BB 13581	201	202	< 0.01	48	700	20	6	5	22	0.16	< 10	< 10	82	< 10	116
BB 13582	201	202	< 0.01	65	950	6	2	12	41	0.41	< 10	< 10	233	< 10	98
BB 13583	201	202	< 0.01	25	1660	12	2	12	36	0.26	< 10	< 10	206	< 10	108
BB 13584	201	202	< 0.01	41	640	24	2	3	24	0.12	< 10	< 10	101	< 10	110
BB 13585	201	202	< 0.01	25	610	22	< 2	3	12	0.05	< 10	< 10	59	< 10	108
BB 13586	201	202	< 0.01	44	1460	2	4	9	28	0.24	< 10	< 10	182	< 10	120
BB 13587	201	202	< 0.01	53	1310	10	2	13	30	0.34	< 10	< 10	205	< 10	146
BB 13588	201	202	< 0.01	52	1250	14	4	10	27	0.22	< 10	< 10	164	< 10	144
BB 13589	201	202	< 0.01	51	940	12	2	12	26	0.21	< 10	< 10	156	< 10	136

CERTIFICATION: *Hart Buchler*



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 212 Brooksbank Ave., North Vancouver
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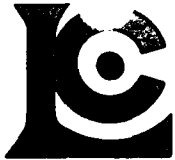
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Project : SLAPSHOT
 Comments:

CERTIFICATE OF ANALYSIS A9622865

SAMPLE	PREP CODE		Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	
			ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	
BB 13590	201	202	0.2	3.15	20	260	0.5	< 2	0.64	0.5	31	57	80	5.78	< 10	< 1	0.14	30	1.77	1720	1	
BB 13610	--	--	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
BB 13611	--	--	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
BB 13612	--	--	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
BB 13613	--	--	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
BB 13614	--	--	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
BB 13615	201	202	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
BB 13616	201	202	0.4	2.02	760	170	1.0	< 2	0.78	4.0	18	47	7	4.86	< 10	< 1	0.45	40	1.04	720	1	
BB 13617	201	202	< 0.2	2.32	30	180	0.5	< 2	0.79	< 0.5	15	46	20	4.27	< 10	1	0.66	30	1.15	670	< 1	
BB 13618	201	202	< 0.2	2.97	< 2	200	1.0	< 2	0.49	< 0.5	35	103	44	5.58	< 10	< 1	0.79	30	1.74	760	< 1	
BB 13619	201	202	< 0.2	2.38	2	160	0.5	< 2	0.33	< 0.5	14	68	21	4.53	< 10	< 1	0.49	10	1.11	400	< 1	
BB 13620	201	202	< 0.2	2.60	6	120	0.5	< 2	0.12	< 0.5	20	48	34	4.54	< 10	< 1	0.58	10	0.99	315	< 1	
BB 13621	201	202	< 0.2	3.39	100	200	0.5	< 2	0.21	0.5	26	98	38	6.20	10	< 1	1.04	10	1.65	585	< 1	
BB 13622	201	202	< 0.2	1.35	88	70	< 0.5	< 2	0.06	< 0.5	12	33	14	3.97	< 10	< 1	0.18	10	0.47	315	< 1	
BB 13623	201	202	< 0.2	1.41	10	70	< 0.5	< 2	0.12	< 0.5	9	28	10	2.82	< 10	< 1	0.21	< 10	0.65	235	< 1	
BB 13624	201	202	< 0.2	3.03	< 2	80	0.5	< 2	0.34	< 0.5	25	40	25	5.11	< 10	< 1	0.20	30	1.12	695	< 1	
BB 13625	201	202	< 0.2	2.14	32	180	0.5	< 2	0.73	< 0.5	18	46	24	3.95	< 10	< 1	0.56	20	1.24	480	1	
BB 13626	201	202	< 0.2	0.80	2	90	< 0.5	< 2	0.30	< 0.5	14	13	9	1.89	< 10	< 1	0.18	10	0.34	755	1	
BB 13627	201	202	< 0.2	1.69	148	150	< 0.5	< 2	1.29	0.5	16	25	36	3.62	< 10	< 1	0.19	30	0.40	940	3	
BB 13628	201	202	< 0.2	2.49	114	70	< 0.5	< 2	0.26	0.5	14	85	16	4.67	10	< 1	0.12	< 10	1.46	400	< 1	
BB 13629	201	202	< 0.2	1.62	14	130	< 0.5	< 2	0.62	< 0.5	13	55	13	3.27	< 10	< 1	0.19	10	0.87	640	2	
BB 13630	201	202	< 0.2	2.04	40	90	< 0.5	< 2	0.14	< 0.5	10	54	22	3.61	< 10	< 1	0.19	10	1.06	320	< 1	
BB 13631	201	202	< 0.2	2.16	64	120	< 0.5	< 2	0.13	< 0.5	11	53	44	4.04	10	< 1	0.24	10	0.77	360	2	
BB 13632	201	202	< 0.2	1.18	14	90	< 0.5	< 2	0.35	< 0.5	7	30	11	2.07	< 10	< 1	0.16	< 10	0.58	225	1	
BB 13633	201	202	< 0.2	2.71	40	160	0.5	< 2	0.51	< 0.5	19	80	43	4.25	< 10	1	0.47	30	1.71	600	< 1	
BB 13634	201	202	< 0.2	2.59	12	130	1.0	< 2	3.29	0.5	37	30	40	7.24	< 10	< 1	0.18	30	1.66	1245	< 1	
BB 13635	201	202	< 0.2	1.99	< 2	60	0.5	< 2	0.77	< 0.5	27	45	44	5.97	< 10	< 1	0.14	30	1.07	1070	< 1	
BB 13636	201	202	< 0.2	2.68	22	270	< 0.5	< 2	0.24	< 0.5	14	88	13	4.10	10	< 1	0.52	< 10	1.67	550	< 1	
BB 13680	201	202	< 0.2	2.24	40	140	0.5	< 2	0.57	< 0.5	15	65	25	4.65	10	< 1	0.25	10	1.31	825	2	
BB 13681	201	202	< 0.2	1.58	550	140	< 0.5	< 2	0.21	1.5	9	53	24	3.05	< 10	< 1	0.13	20	0.78	420	< 1	
BB 13819	201	202	< 0.2	3.31	22	500	1.5	< 2	0.49	< 0.5	17	47	16	5.60	10	< 1	0.57	50	1.44	755	1	
BB 13820	201	202	< 0.2	3.98	10	570	1.0	< 2	0.76	< 0.5	23	54	25	6.54	10	< 1	0.94	20	2.05	805	3	
BB 13826	201	202	< 0.2	2.97	< 2	180	< 0.5	< 2	0.53	< 0.5	12	83	42	4.34	< 10	< 1	0.81	30	1.68	265	1	
BB 13827	201	202	< 0.2	1.95	112	170	0.5	< 2	1.82	1.0	15	44	34	3.23	< 10	< 1	0.24	30	1.04	420	1	
BB 13828	201	202	0.2	2.53	30	100	0.5	< 2	0.25	< 0.5	17	134	10	4.58	10	< 1	0.29	10	1.36	505	1	
BB 13829	201	202	< 0.2	3.12	2	90	0.5	< 2	0.20	< 0.5	11	51	11	5.19	10	< 1	0.21	10	1.17	315	1	
BB 13830	201	202	< 0.2	2.03	8	110	0.5	< 2	0.34	< 0.5	11	39	18	2.88	< 10	< 1	0.16	30	0.88	380	< 1	
BB 13831	201	202	< 0.2	1.82	2	50	0.5	< 2	0.24	< 0.5	8	27	8	2.25	< 10	< 1	0.11	10	0.58	260	1	
BB 13832	201	202	< 0.2	2.08	32	120	0.5	< 2	1.44	0.5	20	45	75	3.78	< 10	< 1	0.21	30	0.99	835	< 1	
BB 13833	201	202	< 0.2	2.73	8	140	0.5	< 2	1.11	0.5	13	62	19	4.25	< 10	< 1	0.29	10	1.65	240	< 1	

CERTIFICATION: *Hart Buchler*



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A9622865

SAMPLE	PREP CODE		Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
BB 13590	201	202	< 0.01	62	1400	32	< 2	8	27	0.01	< 10	< 10	80	< 10	174
BB 13610	--	--	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
BB 13611	--	--	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
BB 13612	--	--	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
BB 13613	--	--	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
BB 13614	--	--	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
BB 13615	201	202	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
BB 13616	201	202	< 0.01	27	960	62	< 2	9	41	0.07	< 10	< 10	65	< 10	224
BB 13617	201	202	< 0.01	32	670	18	< 2	5	41	0.19	< 10	< 10	56	< 10	76
BB 13618	201	202	< 0.01	69	910	18	< 2	7	31	0.19	< 10	< 10	75	< 10	122
BB 13619	201	202	< 0.01	39	730	16	< 2	4	26	0.18	< 10	< 10	68	< 10	130
BB 13620	201	202	< 0.01	40	390	14	< 2	4	15	0.15	< 10	< 10	61	< 10	98
BB 13621	201	202	< 0.01	54	950	12	< 2	6	15	0.26	< 10	< 10	124	< 10	132
BB 13622	201	202	< 0.01	30	920	18	< 2	3	8	0.06	< 10	< 10	51	< 10	64
BB 13623	201	202	0.01	16	260	12	< 2	3	15	0.13	< 10	< 10	52	< 10	56
BB 13624	201	202	0.01	47	590	26	< 2	5	46	0.08	< 10	< 10	37	< 10	98
BB 13625	201	202	< 0.01	33	1030	14	< 2	5	43	0.12	< 10	< 10	59	< 10	80
BB 13626	201	202	0.03	14	680	10	< 2	1	19	0.03	< 10	< 10	22	< 10	62
BB 13627	201	202	0.01	17	930	14	< 2	3	78	0.03	< 10	< 10	45	< 10	74
BB 13628	201	202	< 0.01	26	540	22	< 2	5	16	0.28	< 10	< 10	113	< 10	64
BB 13629	201	202	0.01	19	630	16	< 2	4	43	0.16	< 10	< 10	72	< 10	72
BB 13630	201	202	< 0.01	23	520	22	< 2	3	14	0.14	< 10	< 10	64	< 10	70
BB 13631	201	202	0.01	28	910	26	< 2	3	17	0.10	< 10	< 10	84	< 10	94
BB 13632	201	202	0.01	12	410	14	< 2	2	26	0.14	< 10	< 10	52	< 10	52
BB 13633	201	202	< 0.01	46	810	28	< 2	6	42	0.23	< 10	< 10	68	< 10	106
BB 13634	201	202	< 0.01	53	1860	50	< 2	7	178	0.25	< 10	< 10	70	< 10	240
BB 13635	201	202	< 0.01	71	1910	68	< 2	4	72	0.12	< 10	< 10	31	< 10	118
BB 13636	201	202	< 0.01	20	580	14	< 2	4	13	0.32	< 10	< 10	121	< 10	78
BB 13680	201	202	< 0.01	29	1110	24	< 2	4	48	0.16	< 10	< 10	80	< 10	110
BB 13681	201	202	< 0.01	19	890	20	< 2	4	17	0.09	< 10	< 10	62	< 10	76
BB 13819	201	202	< 0.01	24	1290	18	< 2	7	26	0.21	< 10	< 10	111	< 10	70
BB 13820	201	202	< 0.01	28	850	12	< 2	5	29	0.32	< 10	< 10	103	< 10	66
BB 13826	201	202	0.01	43	450	10	< 2	5	51	0.21	< 10	< 10	59	< 10	82
BB 13827	201	202	0.01	32	730	132	< 2	4	88	0.09	< 10	< 10	46	< 10	100
BB 13828	201	202	< 0.01	45	880	22	< 2	6	15	0.16	< 10	< 10	96	< 10	98
BB 13829	201	202	< 0.01	21	500	28	< 2	5	25	0.14	< 10	< 10	66	< 10	94
BB 13830	201	202	< 0.01	20	590	16	< 2	4	21	0.14	< 10	< 10	45	< 10	58
BB 13831	201	202	< 0.01	14	650	14	< 2	3	10	0.09	< 10	< 10	29	< 10	42
BB 13832	201	202	< 0.01	34	1040	26	< 2	7	99	0.11	< 10	< 10	57	< 10	94
BB 13833	201	202	< 0.01	18	1360	10	< 2	12	51	0.20	< 10	< 10	101	< 10	144

CERTIFICATION: Hart Buchler



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 Certificate Date: 12-JUL-96
 Invoice No. : I9622865
 P.O. Number :
 Account : MPO

Project : SLAPSHOT
 Comments:

CERTIFICATE OF ANALYSIS A9622865

SAMPLE	PREP CODE		Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo
			ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
BB 13880	201	202	< 0.2	2.76	< 2	130	0.5	< 2	0.37	< 0.5	23	56	32	4.96	< 10	< 1	0.21	30	1.40	495	< 1
BB 13881	201	202	< 0.2	3.17	< 2	230	0.5	< 2	0.92	< 0.5	24	58	42	5.12	10	< 1	0.47	70	1.49	735	< 1
BB 13882	201	202	< 0.2	2.67	6	200	0.5	< 2	1.25	< 0.5	27	384	16	5.59	10	< 1	0.14	10	2.26	915	1
BB 13883	201	202	< 0.2	4.24	< 2	220	0.5	< 2	0.54	< 0.5	25	117	58	6.03	10	< 1	1.00	60	2.53	495	3
BB 13884	201	202	< 0.2	2.77	< 2	150	0.5	< 2	0.15	< 0.5	13	49	22	5.07	10	< 1	0.44	10	1.01	730	1
BB 13885	201	202	< 0.2	2.73	< 2	250	0.5	< 2	0.32	< 0.5	18	72	21	4.83	10	< 1	0.67	10	1.62	635	1
BB 13886	201	202	< 0.2	2.04	< 2	100	< 0.5	< 2	0.35	< 0.5	15	50	17	4.17	10	1	0.27	10	1.00	535	1
BB 13887	201	202	< 0.2	3.05	< 2	180	0.5	< 2	0.50	< 0.5	17	59	24	4.88	< 10	< 1	0.33	10	1.52	505	< 1
BB 13888	201	202	< 0.2	2.40	< 2	140	0.5	< 2	0.42	< 0.5	13	43	23	3.58	< 10	< 1	0.39	30	1.09	375	< 1
BB 13889	201	202	< 0.2	2.75	8	170	0.5	< 2	0.27	< 0.5	15	66	40	4.44	< 10	1	0.40	10	1.39	550	2
BB 13890	201	202	< 0.2	3.47	< 2	160	0.5	< 2	0.19	< 0.5	15	60	30	5.32	10	1	0.38	10	1.20	350	< 1
BB 13891	201	202	< 0.2	2.58	< 2	130	0.5	< 2	0.24	< 0.5	11	48	22	3.61	< 10	1	0.19	30	1.04	275	< 1
BB 13892	201	202	< 0.2	2.97	10	120	0.5	< 2	0.19	< 0.5	14	67	26	6.29	< 10	< 1	0.13	10	1.23	525	< 1
BB 13893	201	202	< 0.2	2.70	< 2	130	0.5	< 2	0.18	< 0.5	10	57	11	6.47	10	< 1	0.26	< 10	0.94	275	< 1
BB 13894	201	202	< 0.2	2.01	4	100	< 0.5	< 2	0.13	< 0.5	9	41	12	3.89	< 10	< 1	0.23	< 10	0.72	310	< 1
BB 13895	201	202	< 0.2	3.04	2	120	0.5	< 2	0.22	< 0.5	13	76	11	4.87	< 10	< 1	0.38	< 10	1.45	435	< 1
BB 13896	201	202	< 0.2	2.58	< 2	100	0.5	< 2	0.24	< 0.5	15	47	21	3.95	< 10	< 1	0.14	10	0.94	395	< 1
BB 13897	201	202	< 0.2	1.97	< 2	160	0.5	< 2	0.38	< 0.5	15	36	24	3.03	< 10	< 1	0.28	30	0.91	455	< 1
BB 13898	201	202	< 0.2	2.02	< 2	140	0.5	< 2	0.34	< 0.5	13	42	17	3.27	< 10	< 1	0.29	10	1.01	280	1

CERTIFICATION: Haut Bichler



Chemex Labs Ltd.

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Project : SLAPSHOT
Comments:

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Invoice No. : I9622865
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS

A9622865

SAMPLE	PREP		Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
	CODE		%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
BB 13880	201	202	0.01	49	760	18	< 2	6	32	0.09	< 10	< 10	58	< 10	112
BB 13881	201	202	0.03	47	840	22	< 2	9	108	0.16	< 10	< 10	64	< 10	124
BB 13882	201	202	< 0.01	55	1030	12	< 2	11	44	0.35	< 10	< 10	142	< 10	106
BB 13883	201	202	< 0.01	69	900	18	< 2	12	26	0.20	< 10	< 10	106	< 10	106
BB 13884	201	202	< 0.01	22	570	28	< 2	6	13	0.19	< 10	< 10	119	< 10	92
BB 13885	201	202	< 0.01	28	720	12	< 2	6	19	0.26	< 10	< 10	106	< 10	96
BB 13886	201	202	< 0.01	24	790	22	< 2	4	20	0.25	< 10	< 10	105	< 10	64
BB 13887	201	202	< 0.01	27	1190	14	< 2	6	23	0.23	< 10	< 10	88	< 10	68
BB 13888	201	202	0.01	31	780	14	< 2	5	35	0.12	< 10	< 10	49	< 10	72
BB 13889	201	202	< 0.01	32	710	18	< 2	6	18	0.16	< 10	< 10	90	< 10	104
BB 13890	201	202	< 0.01	37	490	18	< 2	6	22	0.12	< 10	< 10	72	< 10	86
BB 13891	201	202	< 0.01	25	650	14	< 2	6	18	0.11	< 10	< 10	53	< 10	60
BB 13892	201	202	< 0.01	28	700	22	< 2	6	13	0.20	< 10	< 10	114	< 10	102
BB 13893	201	202	< 0.01	16	550	16	< 2	4	12	0.34	< 10	< 10	122	< 10	52
BB 13894	201	202	< 0.01	16	540	14	< 2	3	9	0.19	< 10	< 10	83	< 10	54
BB 13895	201	202	< 0.01	20	700	26	< 2	4	15	0.24	< 10	< 10	88	< 10	122
BB 13896	201	202	< 0.01	24	680	16	< 2	4	18	0.13	< 10	< 10	56	< 10	60
BB 13897	201	202	< 0.01	29	1000	12	< 2	5	26	0.09	< 10	< 10	39	< 10	58
BB 13898	201	202	< 0.01	23	770	8	< 2	4	18	0.13	< 10	< 10	51	< 10	56

CERTIFICATION:

Hart Bichler



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 Certificate Date: 08-JUL-96
 Invoice No. : 19622715
 P.O. Number :
 Account : MPO

Project : SLAPSHOT
 Comments : ATTN: AL ARCHER FAX: WHITEHORSE

CERTIFICATE OF ANALYSIS A9622715

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
BB00986	201	202	< 0.2	1.60	< 2	70	< 0.5	< 2	0.15	< 0.5	13	63	19	3.50	< 10	< 1	0.06	< 10	0.86	625	1
BB00987	201	202	< 0.2	3.09	< 2	410	< 0.5	< 2	0.69	< 0.5	33	261	59	4.41	< 10	1	0.89	< 10	2.57	865	< 1
BB00988	201	202	< 0.2	1.92	< 2	150	< 0.5	< 2	0.49	< 0.5	18	109	40	3.37	< 10	< 1	0.14	< 10	1.33	875	< 1
BB00989	201	202	< 0.2	2.57	< 2	310	0.5	< 2	1.11	< 0.5	18	78	34	4.15	< 10	1	0.48	10	1.60	580	< 1
BB00990	201	202	< 0.2	2.61	< 2	300	0.5	< 2	1.17	< 0.5	16	67	50	3.82	< 10	< 1	0.56	20	1.57	505	1
BB13900	201	202	< 0.2	1.43	2	80	< 0.5	< 2	0.40	< 0.5	9	30	8	2.44	< 10	< 1	0.11	10	0.66	200	< 1
BB13901	201	202	< 0.2	1.47	< 2	100	< 0.5	< 2	0.35	< 0.5	9	35	10	2.24	< 10	< 1	0.14	10	0.83	200	< 1
BB13902	201	202	< 0.2	1.30	10	100	< 0.5	< 2	0.41	< 0.5	9	34	12	2.24	< 10	< 1	0.13	10	0.81	280	< 1
BB13903	201	202	< 0.2	1.45	8	60	< 0.5	< 2	0.18	< 0.5	8	36	13	2.66	< 10	< 1	0.07	< 10	0.70	195	< 1
BB13904	201	202	< 0.2	1.34	14	90	< 0.5	< 2	0.51	< 0.5	10	34	22	2.24	< 10	< 1	0.14	10	0.82	300	< 1
BB13905	201	202	< 0.2	2.90	52	230	0.5	< 2	0.92	0.5	24	73	58	4.94	< 10	< 1	0.52	30	1.55	765	< 1
BB13906	201	202	< 0.2	1.83	2	90	0.5	< 2	0.98	< 0.5	9	42	27	2.97	< 10	< 1	0.22	10	1.28	285	< 1
BB13907	201	202	< 0.2	1.85	10	90	< 0.5	< 2	0.83	< 0.5	14	44	27	3.35	< 10	< 1	0.20	20	1.10	390	< 1
BB13908	201	202	< 0.2	2.19	22	110	0.5	< 2	0.20	0.5	12	43	20	3.64	< 10	< 1	0.15	10	0.98	235	< 1
BB13909	201	202	< 0.2	2.28	54	60	< 0.5	< 2	0.29	< 0.5	18	71	13	4.89	10	< 1	0.14	< 10	1.23	415	< 1
BB13910	201	202	< 0.2	1.94	16	60	< 0.5	< 2	0.27	< 0.5	15	48	12	3.94	10	< 1	0.14	< 10	1.03	410	< 1
BB13911	201	202	< 0.2	2.57	16	80	0.5	< 2	0.07	0.5	17	41	20	8.47	< 10	< 1	0.09	< 10	0.60	435	< 1
BB13912	201	202	< 0.2	1.92	24	120	0.5	< 2	0.21	0.5	8	37	17	3.22	< 10	< 1	0.15	30	0.73	265	< 1
BB13913	201	202	< 0.2	2.52	14	80	0.5	< 2	0.25	< 0.5	13	52	17	4.24	< 10	< 1	0.20	10	1.06	335	< 1
BB13914	201	202	< 0.2	2.40	16	60	0.5	< 2	0.19	0.5	12	53	18	4.25	< 10	< 1	0.17	10	1.13	295	< 1

CERTIFICATION:

Hart Buchler



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Project: SLAPSHOT
Comments: ATTN: AL ARCHER FAX: WHITEHORSE

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Invoice No.: I9622715
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Account: MPO

CERTIFICATE OF ANALYSIS

A9622715

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
BB00986	201	202	< 0.01	23	370	14	< 2	3	8	0.26	< 10	< 10	126	< 10	52
BB00987	201	202	< 0.01	104	1180	< 2	< 2	7	17	0.28	< 10	< 10	119	< 10	86
BB00988	201	202	< 0.01	54	840	8	< 2	4	19	0.15	< 10	< 10	71	< 10	62
BB00989	201	202	< 0.01	30	1140	6	< 2	8	34	0.18	< 10	< 10	92	< 10	84
BB00990	201	202	< 0.01	28	950	6	< 2	8	39	0.13	< 10	10	76	< 10	106
BB13900	201	202	< 0.01	13	750	4	< 2	3	19	0.10	< 10	< 10	42	< 10	32
BB13901	201	202	< 0.01	15	450	6	< 2	3	15	0.13	< 10	< 10	42	< 10	44
BB13902	201	202	< 0.01	17	790	4	< 2	3	19	0.08	< 10	< 10	38	< 10	42
BB13903	201	202	< 0.01	15	560	8	< 2	3	8	0.10	< 10	< 10	40	< 10	38
BB13904	201	202	< 0.01	20	960	6	< 2	3	25	0.08	< 10	< 10	38	< 10	48
BB13905	201	202	< 0.01	41	810	20	< 2	9	59	0.17	< 10	< 10	84	< 10	134
BB13906	201	202	< 0.01	24	1120	26	< 2	4	51	0.10	< 10	< 10	49	< 10	108
BB13907	201	202	< 0.01	30	1150	10	< 2	5	46	0.10	< 10	< 10	44	< 10	100
BB13908	201	202	< 0.01	23	360	12	< 2	4	14	0.15	< 10	< 10	55	< 10	72
BB13909	201	202	< 0.01	27	460	12	< 2	5	14	0.27	< 10	< 10	99	< 10	70
BB13910	201	202	< 0.01	19	330	10	< 2	6	10	0.23	< 10	< 10	110	< 10	66
BB13911	201	202	< 0.01	36	920	22	< 2	5	14	0.05	< 10	< 10	71	< 10	114
BB13912	201	202	< 0.01	17	570	12	< 2	3	33	0.06	< 10	< 10	42	< 10	64
BB13913	201	202	< 0.01	26	620	16	< 2	4	14	0.16	< 10	< 10	57	< 10	68
BB13914	201	202	< 0.01	21	520	10	< 2	4	11	0.20	< 10	< 10	67	< 10	64

CERTIFICATION: Stuart Bickler



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Invoice No.: I9622313
P.O. Number:
Account: MPO

Project: SLAPSHOT
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CERTIFICATE OF ANALYSIS A9622313

SAMPLE	PREP CODE		Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo
			ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
BB 00144	201	202	< 0.2	2.23	256	100	0.5	< 2	0.60	< 0.5	14	39	14	4.26	< 10	< 1	0.79	10	1.22	355	1
BB 00145	201	202	< 0.2	2.20	108	60	0.5	< 2	0.52	< 0.5	23	58	26	4.02	< 10	< 1	0.57	10	1.48	575	1
BB 00152	201	202	< 0.2	3.21	58	280	0.5	< 2	0.72	< 0.5	31	66	90	5.69	< 10	< 1	0.99	20	2.13	785	1
BB 00153	201	202	< 0.2	1.72	174	120	0.5	< 2	0.48	1.5	18	41	23	3.37	< 10	< 1	0.46	10	1.07	675	1
BB 00154	201	202	0.6	2.26	10	150	< 0.5	< 2	0.53	1.0	22	54	114	4.93	< 10	< 1	0.08	50	1.35	650	2
BB 00155	201	202	0.4	2.03	12	170	< 0.5	< 2	0.83	2.0	19	41	90	4.08	< 10	< 1	0.19	40	1.18	785	2
BB 00156	201	202	< 0.2	1.66	128	150	1.5	< 2	0.36	0.5	10	23	14	2.59	< 10	< 1	0.15	30	0.45	685	4
BB 00157	201	202	< 0.2	1.42	146	90	0.5	< 2	0.45	< 0.5	10	27	16	2.62	< 10	< 1	0.29	20	0.79	415	1
BB 00158	201	202	0.2	1.41	106	130	0.5	< 2	0.55	< 0.5	8	31	20	2.37	< 10	< 1	0.18	10	0.68	270	1
BB 00168	201	202	< 0.2	1.39	14	70	< 0.5	< 2	0.94	< 0.5	7	36	13	2.38	< 10	< 1	0.09	20	0.84	170	1
BB 00169	201	202	< 0.2	1.22	12	120	< 0.5	< 2	0.42	0.5	9	28	15	2.14	< 10	< 1	0.08	10	0.57	235	1
BB 00170	201	202	< 0.2	1.65	32	110	< 0.5	< 2	0.63	0.5	13	38	31	2.74	< 10	< 1	0.14	20	0.91	545	1
BB 00171	201	202	1.0	1.54	34	150	0.5	< 2	0.70	2.0	10	28	48	2.63	< 10	< 1	0.10	50	0.52	805	< 1
BB 00172	201	202	0.6	1.96	18	170	0.5	< 2	0.69	1.5	18	48	42	2.82	< 10	< 1	0.17	30	0.88	1275	1
BB 00173	201	202	0.4	1.55	14	150	< 0.5	< 2	0.56	1.5	10	25	28	2.72	< 10	< 1	0.13	30	0.68	415	1
BB 00174	201	202	0.2	1.41	22	50	< 0.5	< 2	0.24	< 0.5	6	52	12	2.00	< 10	< 1	0.11	< 10	0.72	130	< 1
BB 00175	201	202	< 0.2	1.88	62	110	0.5	< 2	0.31	0.5	13	47	21	3.19	< 10	< 1	0.23	10	1.13	330	< 1
BB 00176	201	202	< 0.2	1.73	102	160	0.5	< 2	0.64	1.0	16	37	25	3.43	< 10	< 1	0.70	10	1.00	1000	1
BB 00177	201	202	< 0.2	1.74	96	140	0.5	< 2	0.57	0.5	14	32	18	3.31	< 10	< 1	0.56	10	1.05	640	1
BB 00178	201	202	< 0.2	0.11	< 2	10	< 0.5	< 2	0.05	< 0.5	1	2	< 1	0.43	< 10	< 1	0.03	< 10	0.04	40	< 1
BB 00179	201	202	< 0.2	0.16	< 2	10	< 0.5	< 2	0.07	< 0.5	1	4	3	0.52	< 10	< 1	0.04	< 10	0.05	40	< 1
BB 00180	201	202	0.2	0.32	2	20	< 0.5	< 2	0.07	< 0.5	1	8	4	0.62	< 10	< 1	0.04	< 10	0.14	45	< 1
BB 00181	201	202	< 0.2	2.32	16	90	< 0.5	< 2	0.39	< 0.5	13	75	18	3.33	< 10	< 1	0.26	10	1.34	275	1
BB 00182	201	202	< 0.2	2.09	28	120	0.5	< 2	0.49	< 0.5	15	55	16	3.05	< 10	< 1	0.32	10	1.21	260	1
BB 00183	201	202	< 0.2	2.93	336	90	1.0	< 2	0.25	0.5	16	41	15	5.41	< 10	< 1	0.34	< 10	1.41	485	1
BB 00184	201	202	< 0.2	2.21	42	40	0.5	< 2	0.45	0.5	12	60	58	3.55	< 10	< 1	0.08	10	1.32	345	3
BB 00185	201	202	0.2	1.52	42	40	< 0.5	< 2	0.13	< 0.5	7	36	13	2.85	< 10	< 1	0.09	10	0.66	180	1
BB 00186	201	202	< 0.2	1.95	56	60	< 0.5	< 2	0.23	< 0.5	10	40	22	3.47	< 10	< 1	0.10	10	1.14	265	< 1
BB 00187	201	202	0.2	2.30	10	340	0.5	< 2	1.98	5.5	18	64	163	3.23	< 10	< 1	0.08	240	1.14	1020	4
BB 00188	201	202	< 0.2	1.60	6	180	< 0.5	< 2	0.96	2.0	10	42	50	2.45	< 10	< 1	0.05	30	0.91	275	1
BB 00189	201	202	0.2	1.98	24	90	0.5	< 2	0.25	< 0.5	11	56	15	3.58	< 10	< 1	0.25	< 10	0.88	340	< 1
BB 00190	201	202	0.2	1.27	40	80	< 0.5	< 2	0.43	0.5	10	28	30	2.80	< 10	< 1	0.15	10	0.76	435	1
BB 00191	201	202	< 0.2	1.37	184	150	0.5	< 2	0.52	1.0	11	26	18	2.79	< 10	< 1	0.27	30	0.52	805	3
BB 00192	201	202	< 0.2	0.58	218	40	< 0.5	< 2	0.07	0.5	4	13	15	2.21	< 10	< 1	0.08	10	0.18	90	3
BB 00193	201	202	0.6	2.00	58	130	< 0.5	8	0.28	2.0	24	50	64	7.39	< 10	< 1	0.07	140	1.06	520	4
BB 00194	201	202	< 0.2	1.41	68	110	< 0.5	< 2	0.25	0.5	11	30	24	3.08	< 10	< 1	0.16	10	0.69	365	2
BB 00196	201	202	0.4	1.95	14	190	< 0.5	< 2	0.54	2.0	22	42	65	3.77	< 10	< 1	0.13	50	1.11	850	4
BB 00197	201	202	< 0.2	1.45	36	90	< 0.5	< 2	0.29	< 0.5	10	54	13	3.33	< 10	< 1	0.05	10	1.00	195	2
BB 00201	201	202	0.2	1.74	12	160	< 0.5	< 2	0.67	0.5	16	35	59	4.07	< 10	< 1	0.12	40	0.89	520	1
BB 00202	201	202	< 0.2	1.60	56	130	0.5	< 2	0.89	0.5	11	28	35	2.82	< 10	< 1	0.49	10	1.09	460	< 1

CERTIFICATION: Hart Buchler



Chemex Labs Ltd.

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

Project: SLAPSHOT
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CERTIFICATE OF ANALYSIS

A9622313

SAMPLE	PREP CODE		Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
BB 00144	201	202	< 0.01	16	660	50	< 2	4	24	0.27	< 10	< 10	94	< 10	124
BB 00145	201	202	< 0.01	27	800	68	< 2	5	21	0.18	< 10	< 10	79	< 10	146
BB 00152	201	202	< 0.01	52	1300	54	< 2	8	34	0.23	< 10	< 10	116	< 10	156
BB 00153	201	202	< 0.01	22	1030	66	< 2	4	22	0.10	< 10	< 10	59	< 10	170
BB 00154	201	202	< 0.01	75	1290	96	< 2	6	30	0.04	< 10	< 10	99	< 10	430
BB 00155	201	202	< 0.01	51	1530	90	< 2	5	32	0.06	< 10	< 10	73	< 10	962
BB 00156	201	202	< 0.01	15	570	100	< 2	3	20	0.03	< 10	< 10	33	< 10	110
BB 00157	201	202	< 0.01	18	710	82	< 2	3	22	0.10	< 10	< 10	37	< 10	122
BB 00158	201	202	< 0.01	19	600	92	< 2	3	23	0.10	< 10	< 10	40	< 10	112
BB 00168	201	202	0.01	23	3610	26	< 2	3	40	0.05	< 10	< 10	45	< 10	106
BB 00169	201	202	0.03	19	640	42	< 2	1	24	0.08	< 10	< 10	43	< 10	92
BB 00170	201	202	< 0.01	27	1180	74	< 2	3	27	0.07	< 10	< 10	42	< 10	234
BB 00171	201	202	0.04	24	910	138	< 2	4	37	0.06	< 10	< 10	38	< 10	232
BB 00172	201	202	0.01	26	860	138	< 2	5	34	0.10	< 10	< 10	58	< 10	178
BB 00173	201	202	0.03	20	660	26	< 2	3	30	0.09	< 10	< 10	48	< 10	118
BB 00174	201	202	< 0.01	16	310	16	< 2	2	12	0.17	< 10	< 10	48	< 10	26
BB 00175	201	202	< 0.01	25	880	52	< 2	4	14	0.10	< 10	< 10	61	< 10	154
BB 00176	201	202	< 0.01	25	760	100	< 2	5	32	0.12	< 10	< 10	62	< 10	248
BB 00177	201	202	< 0.01	21	1140	124	< 2	5	28	0.13	< 10	< 10	58	< 10	192
BB 00178	201	202	0.07	< 1	60	2	< 2	< 1	5	0.03	< 10	< 10	16	< 10	12
BB 00179	201	202	0.07	1	320	6	< 2	< 1	6	0.03	< 10	< 10	17	< 10	12
BB 00180	201	202	0.06	3	310	12	< 2	< 1	6	0.03	< 10	< 10	18	< 10	20
BB 00181	201	202	0.01	31	830	12	< 2	5	23	0.17	< 10	< 10	67	< 10	64
BB 00182	201	202	< 0.01	26	630	14	< 2	4	30	0.19	< 10	< 10	62	< 10	94
BB 00183	201	202	< 0.01	18	680	180	< 2	6	13	0.19	< 10	< 10	81	< 10	488
BB 00184	201	202	< 0.01	53	1540	314	< 2	3	16	0.04	< 10	< 10	71	< 10	844
BB 00185	201	202	< 0.01	22	570	66	< 2	1	6	0.08	< 10	< 10	70	< 10	128
BB 00186	201	202	< 0.01	28	850	52	< 2	3	9	0.07	< 10	< 10	62	< 10	196
BB 00187	201	202	0.01	74	1720	58	< 2	6	94	0.03	< 10	< 10	30	< 10	248
BB 00188	201	202	0.02	32	590	20	< 2	3	51	0.05	< 10	< 10	40	< 10	198
BB 00189	201	202	< 0.01	21	700	26	< 2	4	20	0.21	< 10	< 10	94	< 10	86
BB 00190	201	202	< 0.01	30	1640	104	< 2	3	20	0.06	< 10	< 10	67	< 10	234
BB 00191	201	202	< 0.01	14	430	44	< 2	3	32	0.08	< 10	< 10	50	< 10	118
BB 00192	201	202	< 0.01	8	320	62	< 2	< 1	7	0.12	< 10	< 10	61	< 10	116
BB 00193	201	202	< 0.01	51	1450	136	< 2	3	25	0.03	< 10	< 10	101	< 10	224
BB 00194	201	202	< 0.01	21	610	102	< 2	2	15	0.11	< 10	< 10	69	< 10	146
BB 00196	201	202	0.01	93	1020	176	< 2	6	30	0.05	< 10	< 10	72	< 10	1030
BB 00197	201	202	< 0.01	26	810	18	< 2	2	17	0.09	< 10	< 10	96	< 10	72
BB 00201	201	202	< 0.01	43	960	60	< 2	4	26	0.03	< 10	< 10	64	< 10	292
BB 00202	201	202	< 0.01	24	470	54	< 2	3	31	0.12	< 10	< 10	33	< 10	152

CERTIFICATION:

Hart Bichler



Chemex Labs Ltd.

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

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 P.O. Number :
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Project : SLAPSHOT
 Comments:

CERTIFICATE OF ANALYSIS A9622313

SAMPLE	PREP CODE		Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo
			ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
BB 00203	201	202	0.2	1.84	108	180	0.5	< 2	0.65	< 0.5	14	28	24	3.62	< 10	< 1	0.36	20	0.91	485	< 1
BB 00204	201	202	< 0.2	2.19	114	220	0.5	< 2	0.65	0.5	17	41	24	3.91	< 10	1	0.50	10	1.21	640	1
BB 00206	201	202	< 0.2	1.50	20	150	< 0.5	< 2	0.30	< 0.5	11	32	27	2.82	< 10	< 1	0.10	20	0.62	560	1
BB 00207	201	202	< 0.2	2.40	8	220	< 0.5	< 2	1.47	1.5	18	30	32	4.03	< 10	< 1	0.69	30	1.47	1845	1
BB 00208	201	202	< 0.2	1.40	146	160	1.5	< 2	0.59	1.0	19	29	31	3.98	< 10	< 1	0.21	30	0.62	715	1
BB 00209	201	202	< 0.2	2.18	122	230	0.5	< 2	0.70	< 0.5	17	18	16	4.52	< 10	1	0.72	< 10	1.15	465	< 1
BB 00210	201	202	< 0.2	2.07	282	140	0.5	< 2	0.58	< 0.5	19	56	36	3.90	< 10	< 1	0.37	< 10	1.30	605	1
BB 00222	201	202	0.4	2.09	156	110	0.5	< 2	0.62	2.0	22	53	51	4.13	< 10	< 1	0.30	30	1.51	820	1
BB 00223	201	202	< 0.2	3.59	62	230	1.0	< 2	1.19	< 0.5	25	64	30	6.22	< 10	< 1	1.67	10	2.25	800	< 1
BB 00224	201	202	0.2	1.97	144	120	0.5	< 2	0.61	0.5	16	51	26	3.39	< 10	< 1	0.34	10	1.30	505	< 1
BB 00225	201	202	< 0.2	1.78	54	120	0.5	< 2	0.56	< 0.5	12	46	19	2.91	< 10	< 1	0.28	10	1.02	400	< 1
BB 00226	201	202	< 0.2	1.59	298	130	1.0	< 2	0.32	< 0.5	11	29	27	3.01	< 10	< 1	0.11	20	0.75	395	1
BB 00227	201	202	< 0.2	1.21	64	170	0.5	< 2	0.38	0.5	9	21	22	2.41	< 10	< 1	0.16	30	0.53	460	1
BB 00228	201	202	< 0.2	1.55	70	90	0.5	< 2	0.46	< 0.5	16	56	18	2.63	< 10	< 1	0.18	10	1.01	460	1
BB 00229	201	202	< 0.2	1.67	50	100	0.5	< 2	0.47	< 0.5	12	44	22	2.93	< 10	< 1	0.33	10	1.07	425	< 1

CERTIFICATION: *Hart Bichler*



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

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CERTIFICATE OF ANALYSIS A9622313

SAMPLE	PREP CODE		Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
BB 00203	201	202	< 0.01	22	1190	84	< 2	7	26	0.09	< 10	< 10	67	< 10	114
BB 00204	201	202	< 0.01	24	1160	58	2	5	24	0.14	< 10	< 10	79	< 10	84
BB 00206	201	202	< 0.01	27	1010	34	< 2	2	15	0.03	< 10	< 10	39	< 10	144
BB 00207	201	202	< 0.01	39	830	24	< 2	4	40	0.14	< 10	< 10	34	< 10	324
BB 00208	201	202	< 0.01	48	660	124	2	6	24	< 0.01	< 10	< 10	37	< 10	416
BB 00209	201	202	< 0.01	12	1650	46	< 2	5	21	0.15	< 10	< 10	106	< 10	82
BB 00210	201	202	< 0.01	29	1290	32	< 2	5	16	0.09	< 10	< 10	84	< 10	68
BB 00222	201	202	< 0.01	46	1200	166	< 2	6	25	0.09	< 10	< 10	58	< 10	364
BB 00223	201	202	< 0.01	21	1290	36	< 2	7	31	0.39	< 10	< 10	156	< 10	114
BB 00224	201	202	< 0.01	36	1090	72	< 2	5	23	0.11	< 10	< 10	53	< 10	210
BB 00225	201	202	< 0.01	24	950	46	< 2	4	23	0.12	< 10	< 10	48	< 10	100
BB 00226	201	202	< 0.01	24	650	244	< 2	3	19	0.05	< 10	< 10	44	< 10	202
BB 00227	201	202	< 0.01	17	580	78	< 2	3	16	0.04	< 10	< 10	26	< 10	208
BB 00228	201	202	< 0.01	31	860	80	< 2	3	18	0.08	< 10	< 10	39	< 10	88
BB 00229	201	202	< 0.01	26	970	38	< 2	4	16	0.09	< 10	< 10	47	< 10	130

CERTIFICATION: Heidi Buchler



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To: EXPATRIATE RESOURCES LTD.
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CERTIFICATE OF ANALYSIS

A9621870

SAMPLE	PREP CODE		Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo
			ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
BB 13740	201	202	< 0.2	1.35	36	70	< 0.5	< 2	0.22	< 0.5	6	35	12	2.27	< 10	< 1	0.21	10	0.52	235	1
BB 13741	201	202	< 0.2	1.77	84	100	0.5	< 2	0.23	< 0.5	9	40	14	2.55	< 10	< 1	0.30	20	0.65	350	< 1
BB 13742	201	202	< 0.2	1.38	10	60	< 0.5	< 2	0.19	< 0.5	5	25	7	2.31	< 10	< 1	0.25	10	0.44	255	< 1
BB 13743	201	202	0.4	2.50	82	150	0.5	< 2	0.38	0.5	16	144	19	3.64	< 10	< 1	0.64	10	1.34	655	< 1
BB 13744	201	202	0.8	2.52	368	190	0.5	4	0.40	0.5	16	56	24	4.57	< 10	< 1	0.57	10	1.06	1030	1
BB 13745	201	202	< 0.2	1.45	44	70	< 0.5	< 2	0.16	< 0.5	7	29	12	2.57	< 10	< 1	0.18	10	0.48	230	1
BB 13746	201	202	0.4	2.43	170	170	0.5	< 2	0.40	0.5	18	64	22	4.40	< 10	< 1	0.43	30	1.09	955	1
BB 13747	201	202	0.2	1.54	56	230	0.5	< 2	0.40	0.5	14	27	10	2.26	< 10	< 1	0.15	20	0.50	1385	< 1
BB 13748	201	202	0.2	1.69	54	140	< 0.5	< 2	1.60	< 0.5	10	27	14	2.17	< 10	< 1	0.12	30	0.63	675	1
BB 13749	201	202	0.2	1.46	14	50	< 0.5	< 2	0.19	< 0.5	6	25	7	2.26	< 10	< 1	0.27	< 10	0.51	150	< 1
BB 13750	201	202	< 0.2	1.30	14	50	< 0.5	< 2	0.20	< 0.5	7	30	10	2.24	< 10	< 1	0.23	10	0.62	175	< 1
BB 13751	201	202	< 0.2	2.77	62	220	0.5	< 2	0.59	< 0.5	17	68	19	4.51	< 10	< 1	0.90	20	1.42	590	1
BB 13752	201	202	0.2	2.33	118	210	0.5	< 2	0.46	< 0.5	14	51	21	4.01	< 10	< 1	0.85	10	1.15	420	< 1
BB 13753	201	202	< 0.2	1.20	24	150	< 0.5	< 2	0.48	< 0.5	7	21	9	2.02	< 10	< 1	0.35	10	0.49	205	< 1
BB 13754	201	202	< 0.2	1.95	18	160	< 0.5	< 2	0.52	0.5	13	100	45	3.19	< 10	< 1	0.10	10	1.43	445	2
BB 13755	201	202	< 0.2	1.75	36	160	< 0.5	< 2	0.54	1.0	15	39	40	3.99	< 10	< 1	0.57	30	0.79	1110	3
BB 13756	--	--	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
BB 13757	201	202	< 0.2	1.53	8	120	0.5	< 2	0.24	< 0.5	9	34	23	2.26	< 10	< 1	0.11	20	0.47	420	2
BB 13758	201	202	< 0.2	1.51	120	150	0.5	< 2	0.36	< 0.5	7	27	12	2.12	< 10	< 1	0.31	30	0.54	405	< 1
BB 13759	201	202	1.0	2.41	168	230	0.5	< 2	0.41	< 0.5	14	53	23	4.03	< 10	< 1	0.36	30	0.81	805	2
BB 13760	201	202	0.4	2.49	216	170	1.0	2	0.30	< 0.5	13	60	21	4.07	< 10	< 1	0.29	30	0.84	585	1
BB 13761	201	202	1.2	2.09	256	250	0.5	< 2	1.29	0.5	12	44	22	3.29	< 10	< 1	0.37	70	0.68	1090	2
BB 13762	201	202	0.2	1.40	116	120	< 0.5	< 2	0.52	< 0.5	9	34	12	2.59	< 10	< 1	0.30	20	0.64	345	1

CERTIFICATION:

Hart Bickler



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Project: SLAPSHOT
 Comments:

CERTIFICATE OF ANALYSIS A9621870

SAMPLE	PREP CODE		Na	Ni	P	Pb	Sb	Sc	Sr	Tl	Tl	U	V	W	Zn
			%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
BB 13740	201	202	< 0.01	17	720	34	< 2	2	13	0.08	< 10	< 10	45	< 10	56
BB 13741	201	202	0.01	17	840	60	< 2	3	13	0.08	< 10	< 10	45	< 10	56
BB 13742	201	202	< 0.01	12	750	94	< 2	1	9	0.06	< 10	< 10	29	< 10	42
BB 13743	201	202	0.03	43	770	98	< 2	7	23	0.20	< 10	< 10	82	< 10	64
BB 13744	201	202	< 0.01	18	1010	222	< 2	8	21	0.16	< 10	< 10	105	< 10	116
BB 13745	201	202	< 0.01	13	730	40	< 2	2	10	0.10	< 10	< 10	54	< 10	52
BB 13746	201	202	< 0.01	32	860	86	< 2	7	22	0.17	< 10	< 10	79	< 10	98
BB 13747	201	202	0.03	12	1160	42	< 2	1	25	0.05	< 10	< 10	47	< 10	42
BB 13748	201	202	0.04	14	1210	10	< 2	2	53	0.07	< 10	< 10	30	< 10	40
BB 13749	201	202	< 0.01	8	360	12	< 2	1	8	0.20	< 10	< 10	58	< 10	32
BB 13750	201	202	< 0.01	13	310	8	< 2	2	10	0.17	< 10	< 10	48	< 10	44
BB 13751	201	202	< 0.01	24	980	26	< 2	5	23	0.26	< 10	< 10	93	< 10	94
BB 13752	201	202	< 0.01	22	910	32	< 2	5	23	0.23	< 10	< 10	87	< 10	96
BB 13753	201	202	0.05	10	860	6	< 2	2	19	0.10	< 10	< 10	44	< 10	32
BB 13754	201	202	< 0.01	53	1440	36	< 2	3	27	0.09	< 10	< 10	62	< 10	246
BB 13755	201	202	< 0.01	33	1240	38	< 2	4	19	0.14	< 10	< 10	64	< 10	386
BB 13756	--	--	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed	NotRed
BB 13757	201	202	< 0.01	22	670	70	< 2	3	16	0.07	< 10	< 10	45	< 10	144
BB 13758	201	202	< 0.01	12	780	68	< 2	3	18	0.06	< 10	< 10	35	< 10	50
BB 13759	201	202	< 0.01	23	1260	124	< 2	5	22	0.10	< 10	< 10	86	< 10	88
BB 13760	201	202	< 0.01	24	850	176	< 2	6	15	0.13	< 10	< 10	65	< 10	82
BB 13761	201	202	< 0.01	19	2020	144	< 2	5	47	0.10	< 10	< 10	60	< 10	68
BB 13762	201	202	< 0.01	15	1070	46	< 2	3	24	0.11	< 10	< 10	56	< 10	58

CERTIFICATION: Haut Bichler



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

Project: FINLAYSON/SLAPSHOT
Comments:

Page Number: 1-A
Total Pages: 1
Certificate Date: 25-JUL-96
Invoice No.: 19624236
P.O. Number:
Account: MPO

CERTIFICATE OF ANALYSIS

A9624236

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
M110307	205 226	0.6	1.05	6	40	< 0.5	< 2	1.74	< 0.5	8	89	95	3.80	< 10	1	0.11	20	0.31	65	< 1

CERTIFICATION:

Hart Beckler



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Project : FINLAYSON/SLAPSHOT
Comments:

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Certificate Date: 25-JUL-96
Invoice No. : I9624236
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS

A9624236

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
N110307	205	226	< 0.01	10	980	2	< 2	3	65	0.31	< 10	< 10	25	< 10	8

CERTIFICATION:

Hart Bichler



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V6B 1L8

Project : SLAPSHOT
Comments:

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Certificate Date: 25-JUL-96
Invoice No. : I9624045
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9624045

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
N110314	205	226	8.8	< 0.01	>10000	20	< 0.5	912	< 0.01	< 0.5	37	10	40	>15.00	< 10	< 1	0.04	< 10	0.03	120	7

CERTIFICATION: Hart Buchler



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Project: SLAPSHOT
Comments:

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Certificate Date: 25-JUL-96
Invoice No.: 19624045
P.O. Number:
Account: MPO

CERTIFICATE OF ANALYSIS

A9624045

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
N110314	205	226	< 0.01	23	< 10	186	12	1	3	< 0.01	< 10	40	7	< 10	14

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Project : SLAPSHOT
Comments:

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Total Pages : 1
Certificate Date: 07-AUG-96
Invoice No. : 19626044
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS

A9626044

SAMPLE	PREP CODE	Au ppb FA+AA	Au FA g/t								
N110314	244 --	>10000	10.29								
BB04684	244 --	< 5	-----								
BB04685	244 --	< 5	-----								
BB04692	244 --	< 5	-----								

CERTIFICATION: *Frank Vank*



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Project: SLAPSHOT
Comments:

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Total Pages: 1
Certificate Date: 29-AUG-96
Invoice No.: I9628806
P.O. Number:
Account: MPO

CERTIFICATE OF ANALYSIS A9628806

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
N110338	205 226	< 0.2	0.75	4	30	< 0.5	< 2	0.56	2.5	6	79	41	2.17	< 10	< 1	0.16	40	0.44	425	3
N110339	205 226	< 0.2	0.84	6	50	< 0.5	< 2	0.19	< 0.5	6	62	78	2.60	< 10	< 1	0.31	40	0.54	140	< 1

CERTIFICATION:

Hart Bichler



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Project: SLAPSHOT
Comments:

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Total pages : 1
Certificate Date: 29-AUG-96
Invoice No. : I9628806
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS

A9628806

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
N110338	205	226	< 0.01	7	300	2	< 2	2	9	0.01	< 10	< 10	7	< 10	500
N110339	205	226	0.03	3	140	6	< 2	2	10	0.05	< 10	< 10	7	< 10	32

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Project : SLAPSHOT
Comments:

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Total Pages : 1
Certificate Date: 15-SEP-96
Invoice No. : 19631046
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS

A9631046

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
N110192	205	226	1.6	1.36	9060	100	< 0.5	2	0.07	< 0.5	2	155	150	2.79	< 10	< 1	0.43	30	1.10	365	2
N110193	205	226	0.2	0.54	18	80	< 0.5	< 2	0.71	1.0	5	180	43	2.01	< 10	< 1	0.43	50	0.06	375	3
N110194	205	226	0.2	1.12	6	120	< 0.5	< 2	0.08	< 0.5	2	156	133	2.02	< 10	1	0.47	20	0.86	215	4
N110195	205	226	< 0.2	1.07	18	80	< 0.5	16	0.07	4.0	2	271	221	2.80	< 10	< 1	0.47	10	0.53	335	10
N110196	205	226	< 0.2	0.85	8	290	< 0.5	< 2	0.51	< 0.5	12	252	115	3.00	< 10	< 1	0.24	< 10	0.49	255	118
N110197	205	226	0.2	0.18	24	260	< 0.5	< 2	< 0.01	< 0.5	< 1	119	25	1.27	< 10	< 1	0.21	10	< 0.01	5	2

CERTIFICATION:

Hart Bickler



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Project : SLAPSHOT
Comments:

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Total Pages : 1
Certificate Date: 15-SEP-96
Invoice No. : I9631046
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS

A9631046

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
N110192	205 226	< 0.01	5	240	104	< 2	1	5	0.01	< 10	< 10	5	< 10	68
N110193	205 226	< 0.01	8	340	70	< 2	1	14	< 0.01	< 10	< 10	6	< 10	276
N110194	205 226	< 0.01	2	280	2	< 2	< 1	5	0.01	< 10	< 10	3	< 10	106
N110195	205 226	0.02	4	260	26	< 2	1	7	0.02	< 10	< 10	6	< 10	998
N110196	205 226	< 0.01	46	520	6	< 2	1	70	0.04	< 10	< 10	70	< 10	38
N110197	205 226	< 0.01	1	160	20	< 2	< 1	5	< 0.01	< 10	< 10	1	< 10	40

CERTIFICATION: Hart Bechler



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Project: SLAPSHOT
Comments:

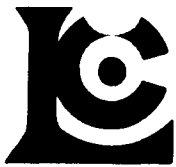
Page Number : 1
Total Pages : 1
Certificate Date: 09-DEC-96
Invoice No. : 19642492
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS

A9642492

SAMPLE	PREP CODE	Au ppb FA+AA										
N110192	244 --	< 5										

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Project : SLAPSHOT
Comments:

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Total Pages : 1
Certificate Date: 06-OCT-96
Invoice No. : 19632852
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS

A9632852

SAMPLE	PREP		Al2O3 %	CaO %	Cr2O3 %	Fe2O3 %	K2O %	MgO %	MnO %	Na2O %	P2O5 %	SiO2 %	TiO2 %	LOI %	TOTAL	Ba	Rb	Sr	Nb	Zr	Y
	CODE		XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	XRF	%	ppm	ppm	ppm	ppm	ppm	ppm
SL96-01 N110283	208	226	15.11	11.69	< 0.01	5.14	1.41	3.56	0.09	4.02	0.13	56.82	0.60	1.14	99.71	940	36	450	18	156	22
SL96-01 N110284	208	226	13.42	0.74	< 0.01	1.30	3.74	0.26	0.03	3.10	0.04	75.20	0.20	1.64	99.67	618	134	40	20	183	44

CERTIFICATION: Hart Bichler



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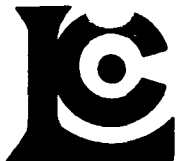
Project: SLAPSHOT
Comments:

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Total Pages: 1
Certificate Date: 15-SEP-96
Invoice No.: 19631047
P.O. Number:
Account: MPO

CERTIFICATE OF ANALYSIS A9631047

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
LAIT 1	201 202	< 0.2	3.89	490	170	1.0	< 2	0.23	0.5	160	65	1575	4.48	< 10	1	0.32	150	1.42	>10000	9
LAIT 3 ORANGE	201 202	< 0.2	0.30	62	210	< 0.5	< 2	0.06	< 0.5	1	3	7	3.56	< 10	< 1	0.43	20	0.02	95	< 1
LAIT 3 WHITE	201 202	0.2	>15.00	300	20	5.5	< 2	0.22	< 0.5	7	14	900	0.43	< 10	< 1	0.05	40	0.19	720	1

CERTIFICATION: Hart Bichler



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Project : SLAPSHOT
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Certificate Date: 15-SEP-96
Invoice No. : I9631047
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS

A9631047

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
LAIT 1	201	202	0.01	41	660	102	< 2	7	18	0.13	< 10	50	77	< 10	1145
LAIT 3 ORANGE	201	202	< 0.01	1	140	66	< 2	1	31	< 0.01	< 10	< 10	1	< 10	20
LAIT 3 WHITE	201	202	0.01	6	110	28	< 2	1	12	0.01	< 10	30	8	< 10	282

CERTIFICATION:

Hart Buchler



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Project: SLAPSHOT
Comments:

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Certificate Date: 12-DEC-96
Invoice No.: I9642491
P.O. Number:
Account: MPO

CERTIFICATE OF ANALYSIS

A9642491

SAMPLE	PREP CODE	Au ppb FA+AA									
LAIT 1	244 --	555									
LAIT 3 ORANGE	244 --	1270									
LAIT 3 WHITE	244 --	1080									

CERTIFICATION:

John Vank



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Project : SLAPSHOT
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Total Pages : 2
Certificate Date: 15-SEP-96
Invoice No. : 19631045
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9631045

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	No ppm
BB10443	201 202	< 0.2	1.55	2	30	0.5	< 2	0.08	< 0.5	3	5	41	2.35	10	< 1	0.22	10	0.70	325	6
BB10444	201 202	< 0.2	4.35	164	220	1.5	< 2	0.09	< 0.5	19	115	23	6.59	10	1	0.79	20	2.73	800	< 1
BB10445	201 202	< 0.2	2.55	44	130	0.5	< 2	0.21	< 0.5	12	94	44	3.90	10	< 1	0.23	20	1.58	760	1
BB10446	201 202	0.2	3.12	52	280	1.5	< 2	0.52	2.0	34	407	102	5.77	10	< 1	0.49	80	2.89	1320	3
BB10447	201 202	< 0.2	2.28	14	250	< 0.5	< 2	11.50	< 0.5	13	32	70	8.80	< 10	1	0.33	30	5.15	5870	< 1
BB10448	201 202	< 0.2	5.43	12	860	1.0	< 2	1.18	< 0.5	32	169	102	8.10	20	< 1	2.09	30	4.50	1375	2
BB10449	201 202	< 0.2	5.37	8	490	1.0	< 2	0.80	< 0.5	33	162	95	7.90	20	1	1.65	30	4.14	1630	3
BB10450	201 202	0.2	5.47	12	710	0.5	< 2	1.34	< 0.5	35	146	94	8.23	10	3	1.94	30	4.51	1090	3
BB10451	201 202	< 0.2	3.53	6	160	1.5	< 2	0.67	3.0	26	86	126	6.04	10	1	1.43	60	2.81	1625	4
BB10452	201 202	< 0.2	5.46	22	350	1.5	< 2	1.17	0.5	35	209	85	7.98	10	< 1	1.84	40	4.61	1520	2
BB10453	201 202	0.4	3.47	66	280	0.5	< 2	0.65	1.5	41	491	87	6.10	10	1	0.33	50	3.65	1365	1
BB10454	201 202	< 0.2	4.50	106	500	1.5	< 2	0.55	< 0.5	27	179	60	7.73	10	< 1	0.82	50	3.36	1350	3
BB10455	201 202	0.2	4.26	130	550	0.5	< 2	0.78	1.5	52	492	207	7.62	10	2	0.19	30	3.90	2110	1
BB10456	201 202	1.6	2.09	22	280	< 0.5	2	0.25	2.0	12	32	477	7.21	< 10	< 1	0.64	60	1.62	910	9
BB10457	201 202	0.6	2.42	372	280	1.5	< 2	0.43	2.0	26	114	623	5.16	< 10	< 1	0.25	70	1.42	1320	2
BB10458	201 202	0.8	0.86	20	320	0.5	< 2	0.44	19.5	55	31	108	8.25	< 10	< 1	0.26	40	0.30	1925	6
BB10459	201 202	< 0.2	3.27	30	320	0.5	< 2	0.58	0.5	32	316	69	5.73	10	< 1	0.30	50	3.19	1365	1
BB10460	201 202	1.6	2.29	62	230	1.5	< 2	0.34	3.0	32	443	134	6.31	< 10	< 1	0.41	100	1.99	1285	3
BB10461	201 202	< 0.2	3.15	76	330	2.0	< 2	0.74	0.5	33	287	109	5.64	10	< 1	0.30	130	2.39	1480	4
BB10462	201 202	< 0.2	1.82	42	200	0.5	< 2	0.73	< 0.5	16	143	52	2.88	< 10	< 1	0.08	30	0.98	865	1
BB10463	201 202	0.6	4.67	2	170	2.0	< 2	1.19	6.0	53	197	214	7.79	10	< 1	1.70	30	4.02	4300	1
BB10464	201 202	< 0.2	2.04	8	80	2.0	< 2	0.03	< 0.5	5	16	19	2.77	< 10	< 1	0.23	40	0.65	550	3
BB10465	201 202	< 0.2	1.50	16	220	1.0	< 2	0.43	1.0	13	37	42	3.82	< 10	< 1	0.27	70	0.70	1240	3
BB10466	201 202	< 0.2	2.47	38	190	0.5	< 2	0.56	< 0.5	25	509	43	4.17	< 10	< 1	0.16	40	2.24	765	< 1
BB10467	201 202	< 0.2	1.97	20	270	< 0.5	< 2	0.56	< 0.5	14	163	23	3.37	10	< 1	0.12	20	1.34	720	2
BB10468	201 202	0.2	1.47	44	200	0.5	< 2	0.42	2.5	20	115	53	4.73	< 10	< 1	0.22	30	0.64	1640	3
BB10469	201 202	< 0.2	1.00	188	130	< 0.5	< 2	0.15	< 0.5	59	1060	30	2.70	< 10	< 1	0.03	< 10	1.71	850	< 1
BB10470	201 202	< 0.2	2.76	16	580	< 0.5	< 2	0.37	< 0.5	14	149	38	3.72	10	< 1	0.11	< 10	1.56	1080	1
BB10471	201 202	< 0.2	4.32	28	1380	< 0.5	< 2	0.83	< 0.5	49	156	217	7.41	10	< 1	0.91	< 10	2.96	1380	1
BB10472	201 202	0.2	4.66	26	1380	0.5	< 2	0.61	< 0.5	40	219	145	7.21	10	1	0.65	40	3.47	1560	1
BB10473	201 202	< 0.2	3.93	14	810	0.5	< 2	0.68	< 0.5	30	196	123	6.10	10	1	0.57	30	3.00	1235	1
BB10474	201 202	< 0.2	1.95	72	70	0.5	< 2	0.09	< 0.5	8	20	201	5.50	10	< 1	0.27	40	1.38	975	6
BB10475	201 202	< 0.2	1.56	12	80	< 0.5	< 2	0.05	< 0.5	3	17	75	3.56	< 10	< 1	0.14	20	0.81	290	4
BB10476	201 202	< 0.2	4.18	26	100	1.0	< 2	0.12	< 0.5	11	90	221	6.22	10	2	0.35	40	2.62	1180	6
BB10477	201 202	< 0.2	0.85	22	30	< 0.5	8	0.03	< 0.5	6	14	67	4.85	< 10	< 1	0.07	40	0.13	200	20
BB10478	201 202	< 0.2	2.93	56	140	0.5	< 2	0.17	< 0.5	9	54	297	4.70	10	< 1	0.40	50	2.03	815	5
BB10479	201 202	0.2	2.38	40	190	< 0.5	< 2	0.10	< 0.5	11	72	429	4.61	< 10	< 1	0.38	30	1.58	505	5
BB10480	201 202	< 0.2	4.47	14	260	1.0	< 2	0.14	< 0.5	18	105	45	7.15	20	< 1	1.20	20	3.11	1565	1
BB10481	201 202	< 0.2	2.99	50	170	0.5	< 2	0.21	0.5	13	74	214	4.98	10	< 1	0.55	40	1.95	965	3
BB10482	201 202	< 0.2	2.69	60	180	0.5	< 2	0.07	< 0.5	12	66	535	5.42	10	1	0.53	50	1.85	710	6

CERTIFICATION: *Hart Buehler*



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

Page : 1-B
 Total Pages : 2
 Certificate Date: 15-SEP-96
 Invoice No. : 19631045
 P.O. Number :
 Account : MPO

CERTIFICATE OF ANALYSIS A9631045

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
BB10443	201 202	0.03	2	410	8	< 2	1	5	0.08	< 10	< 10	41	< 10	30
BB10444	201 202	< 0.01	33	490	36	< 2	10	6	0.30	< 10	< 10	137	< 10	208
BB10445	201 202	< 0.01	39	630	36	< 2	5	9	0.15	< 10	< 10	73	< 10	226
BB10446	201 202	< 0.01	208	690	170	< 2	10	21	0.17	< 10	< 10	96	< 10	692
BB10447	201 202	< 0.01	17	470	16	< 2	7	98	0.06	< 10	< 10	56	< 10	52
BB10448	201 202	< 0.01	59	1570	24	< 2	14	33	0.44	< 10	< 10	180	< 10	244
BB10449	201 202	< 0.01	57	700	46	< 2	16	25	0.41	< 10	< 10	183	< 10	288
BB10450	201 202	0.01	58	1960	34	< 2	12	36	0.40	< 10	< 10	199	< 10	214
BB10451	201 202	< 0.01	56	740	112	< 2	10	33	0.29	< 10	< 10	90	< 10	794
BB10452	201 202	0.01	95	1070	78	< 2	16	41	0.42	< 10	< 10	161	< 10	336
BB10453	201 202	< 0.01	301	660	132	< 2	12	24	0.13	< 10	< 10	128	< 10	474
BB10454	201 202	< 0.01	78	970	120	< 2	14	21	0.24	< 10	< 10	134	< 10	326
BB10455	201 202	< 0.01	292	900	120	< 2	17	29	0.20	< 10	< 10	186	< 10	752
BB10456	201 202	0.03	22	850	650	< 2	4	32	0.07	< 10	< 10	29	< 10	552
BB10457	201 202	< 0.01	92	1130	36	< 2	6	46	0.01	< 10	< 10	63	< 10	770
BB10458	201 202	< 0.01	115	3120	200	< 2	4	62	0.02	< 10	< 10	47	< 10	4160
BB10459	201 202	< 0.01	207	950	84	< 2	13	20	0.13	< 10	< 10	135	< 10	312
BB10460	201 202	< 0.01	217	670	642	< 2	8	28	0.06	< 10	< 10	60	< 10	976
BB10461	201 202	0.01	175	840	54	< 2	11	35	0.09	< 10	< 10	108	< 10	280
BB10462	201 202	0.04	87	1140	48	< 2	5	33	0.04	< 10	< 10	61	< 10	184
BB10463	201 202	< 0.01	132	750	682	< 2	17	41	0.36	< 10	< 10	139	< 10	1285
BB10464	201 202	< 0.01	9	330	34	< 2	1	4	0.01	< 10	< 10	14	< 10	572
BB10465	201 202	< 0.01	38	700	62	< 2	3	18	0.02	< 10	< 10	31	< 10	308
BB10466	201 202	< 0.01	175	970	46	< 2	9	21	0.12	< 10	< 10	105	< 10	200
BB10467	201 202	< 0.01	59	940	12	< 2	5	25	0.14	< 10	< 10	120	< 10	80
BB10468	201 202	< 0.01	73	1180	192	< 2	5	28	0.05	< 10	< 10	58	< 10	604
BB10469	201 202	< 0.01	592	140	6	< 2	9	9	0.01	< 10	< 10	29	< 10	42
BB10470	201 202	< 0.01	43	1540	14	< 2	3	19	0.11	< 10	< 10	124	< 10	80
BB10471	201 202	0.01	123	1480	10	< 2	6	37	0.26	< 10	< 10	199	< 10	140
BB10472	201 202	< 0.01	125	1670	20	< 2	20	32	0.26	< 10	< 10	225	< 10	176
BB10473	201 202	< 0.01	95	1400	20	< 2	13	29	0.20	< 10	< 10	162	< 10	208
BB10474	201 202	< 0.01	10	650	72	< 2	1	6	0.10	< 10	< 10	25	< 10	1165
BB10475	201 202	< 0.01	6	440	18	< 2	1	6	0.09	< 10	< 10	35	< 10	106
BB10476	201 202	< 0.01	11	560	104	< 2	9	8	0.30	< 10	< 10	115	< 10	1185
BB10477	201 202	< 0.01	10	360	110	< 2	1	5	0.06	< 10	< 10	49	< 10	204
BB10478	201 202	< 0.01	12	470	52	< 2	6	11	0.17	< 10	< 10	67	< 10	1560
BB10479	201 202	< 0.01	35	730	28	< 2	3	13	0.10	< 10	< 10	48	< 10	190
BB10480	201 202	< 0.01	22	1080	68	< 2	13	8	0.34	< 10	< 10	176	< 10	332
BB10481	201 202	< 0.01	26	770	64	< 2	6	11	0.18	< 10	< 10	79	< 10	644
BB10482	201 202	< 0.01	30	550	60	< 2	3	10	0.14	< 10	< 10	43	< 10	488

CERTIFICATION: Haut Bichler



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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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VANCOUVER, BC
V6B 1L8

Project: SLAPSHOT
Comments:

Page 3r :2-A
Total Pages :2
Certificate Date: 15-SEP-96
Invoice No. :19631045
P.O. Number :
Account :MPO

CERTIFICATE OF ANALYSIS

A9631045

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
BB10483	201 202	< 0.2	5.26	54	1240	0.5	< 2	0.71	0.5	42	298	151	6.78	10	1	0.95	< 10	3.70	1595	< 1
BB10484	201 202	0.2	5.16	156	2200	0.5	< 2	1.05	< 0.5	46	267	196	5.88	10	< 1	0.94	< 10	2.82	2230	< 1
BB10485	201 202	< 0.2	3.41	208	260	< 0.5	< 2	0.18	< 0.5	33	619	37	4.97	< 10	< 1	0.19	10	2.61	725	< 1
BB10486	201 202	< 0.2	3.85	62	420	< 0.5	< 2	0.33	0.5	39	384	130	5.14	10	< 1	0.24	< 10	2.80	1045	< 1
BB10487	201 202	0.4	2.39	176	370	< 0.5	< 2	0.45	2.5	36	365	85	5.57	< 10	< 1	0.11	10	1.88	1185	< 1
BB10488	201 202	< 0.2	3.19	72	190	0.5	< 2	0.25	0.5	11	46	44	4.01	10	< 1	0.50	40	2.13	770	1
BB10489	201 202	< 0.2	3.11	20	180	0.5	< 2	0.31	0.5	24	204	43	4.22	< 10	< 1	0.18	10	1.72	940	< 1
BB10490	201 202	0.2	2.75	34	230	0.5	< 2	0.48	1.0	13	79	108	3.66	< 10	1	0.19	90	1.30	825	1
BB10491	201 202	0.2	5.33	24	1030	0.5	< 2	0.58	1.0	30	149	98	7.20	10	1	2.94	20	3.49	1560	< 1
BB10492	201 202	< 0.2	2.35	34	150	1.5	< 2	0.49	0.5	12	44	41	4.11	< 10	< 1	0.23	100	1.21	1390	2
BB10493	201 202	< 0.2	2.18	22	200	1.0	< 2	0.18	0.5	20	58	66	4.01	< 10	< 1	0.23	10	0.82	1255	1
BB10494	201 202	0.2	3.57	24	280	0.5	< 2	0.39	1.0	29	167	138	5.96	< 10	< 1	0.19	10	1.99	795	5
BB10495	201 202	< 0.2	3.73	56	200	0.5	< 2	0.26	0.5	42	214	94	6.63	10	< 1	0.15	10	2.28	1065	1
BB10496	201 202	< 0.2	2.71	30	460	0.5	< 2	0.28	0.5	27	219	59	6.57	< 10	1	0.16	30	1.44	1095	< 1
BB10497	201 202	1.2	1.03	30	310	0.5	< 2	0.70	24.0	70	22	143	9.04	< 10	2	0.27	30	0.27	2810	5
BB10498	201 202	< 0.2	1.06	78	260	1.5	< 2	2.63	0.5	18	47	38	3.14	< 10	1	0.20	50	0.79	735	1

CERTIFICATION:

Hart Bichler



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Page Number : 2-B
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Account : MPO

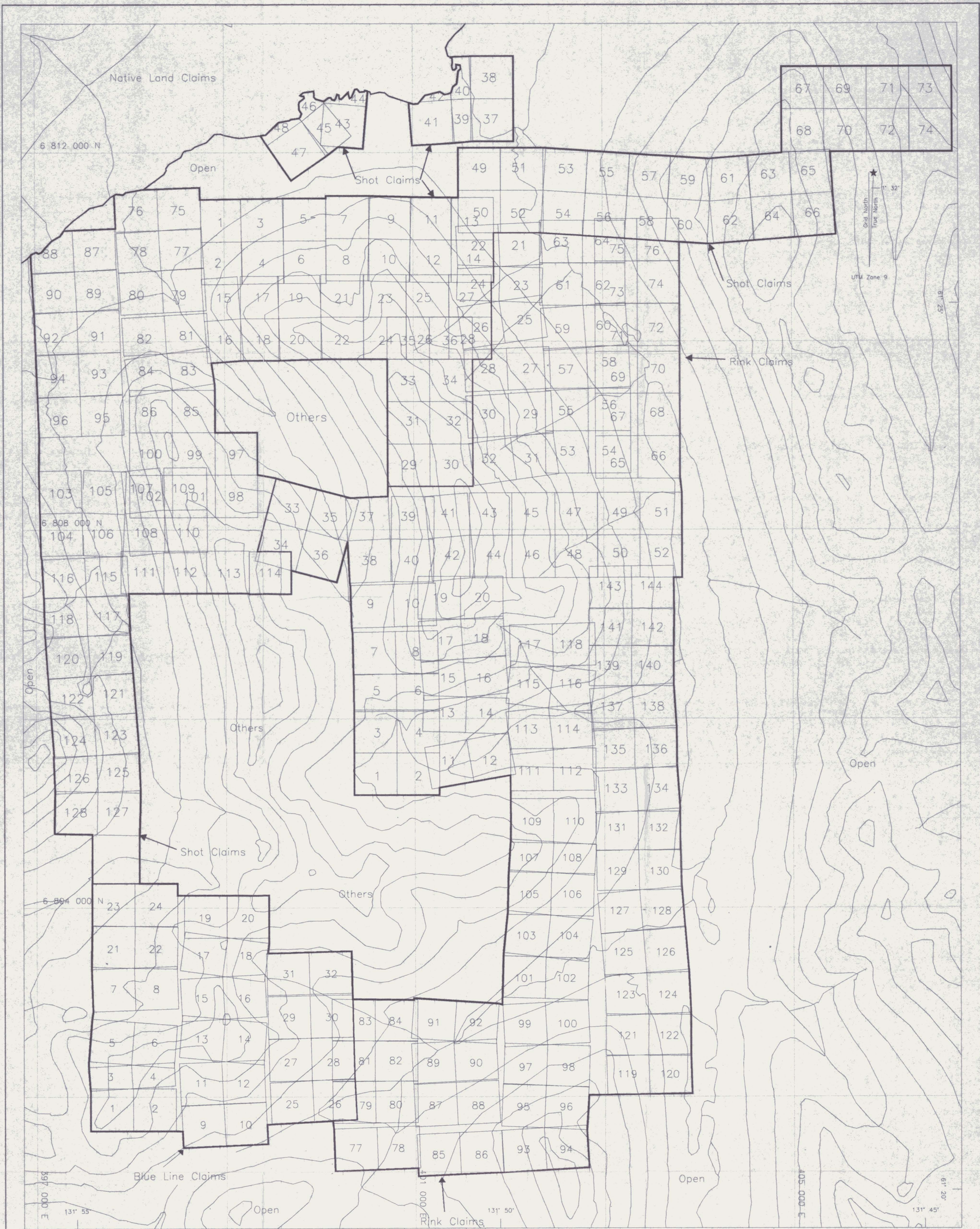
CERTIFICATE OF ANALYSIS

A9631045

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
BB10483	201	202	< 0.01	158	900	16	< 2	17	28	0.33	< 10	< 10	222	< 10	274
BB10484	201	202	0.06	157	1010	10	< 2	8	54	0.29	< 10	< 10	180	< 10	166
BB10485	201	202	< 0.01	275	540	10	< 2	12	10	0.21	< 10	< 10	167	< 10	154
BB10486	201	202	< 0.01	211	500	12	< 2	10	13	0.27	< 10	< 10	141	< 10	142
BB10487	201	202	< 0.01	293	820	138	< 2	14	24	0.08	< 10	< 10	109	< 10	542
BB10488	201	202	< 0.01	21	750	42	< 2	6	13	0.18	< 10	< 10	59	< 10	386
BB10489	201	202	< 0.01	108	1000	42	< 2	6	14	0.13	< 10	< 10	105	< 10	232
BB10490	201	202	0.04	42	830	172	< 2	6	21	0.08	< 10	< 10	52	< 10	794
BB10491	201	202	< 0.01	52	1080	24	< 2	22	21	0.44	< 10	< 10	171	< 10	292
BB10492	201	202	0.01	51	650	46	< 2	8	24	0.06	< 10	< 10	33	< 10	218
BB10493	201	202	< 0.01	58	630	48	< 2	4	16	0.12	< 10	< 10	65	< 10	186
BB10494	201	202	< 0.01	124	1200	40	< 2	10	34	0.12	< 10	< 10	149	< 10	472
BB10495	201	202	< 0.01	176	930	12	< 2	14	18	0.09	< 10	< 10	169	< 10	304
BB10496	201	202	< 0.01	140	910	32	< 2	19	16	0.04	< 10	< 10	145	< 10	282
BB10497	201	202	0.02	117	3090	128	< 2	5	80	0.02	< 10	< 10	46	< 10	4250
BB10498	201	202	< 0.01	100	480	30	< 2	6	46	< 0.01	< 10	< 10	31	< 10	172

CERTIFICATION:

Hank Buehler



063587

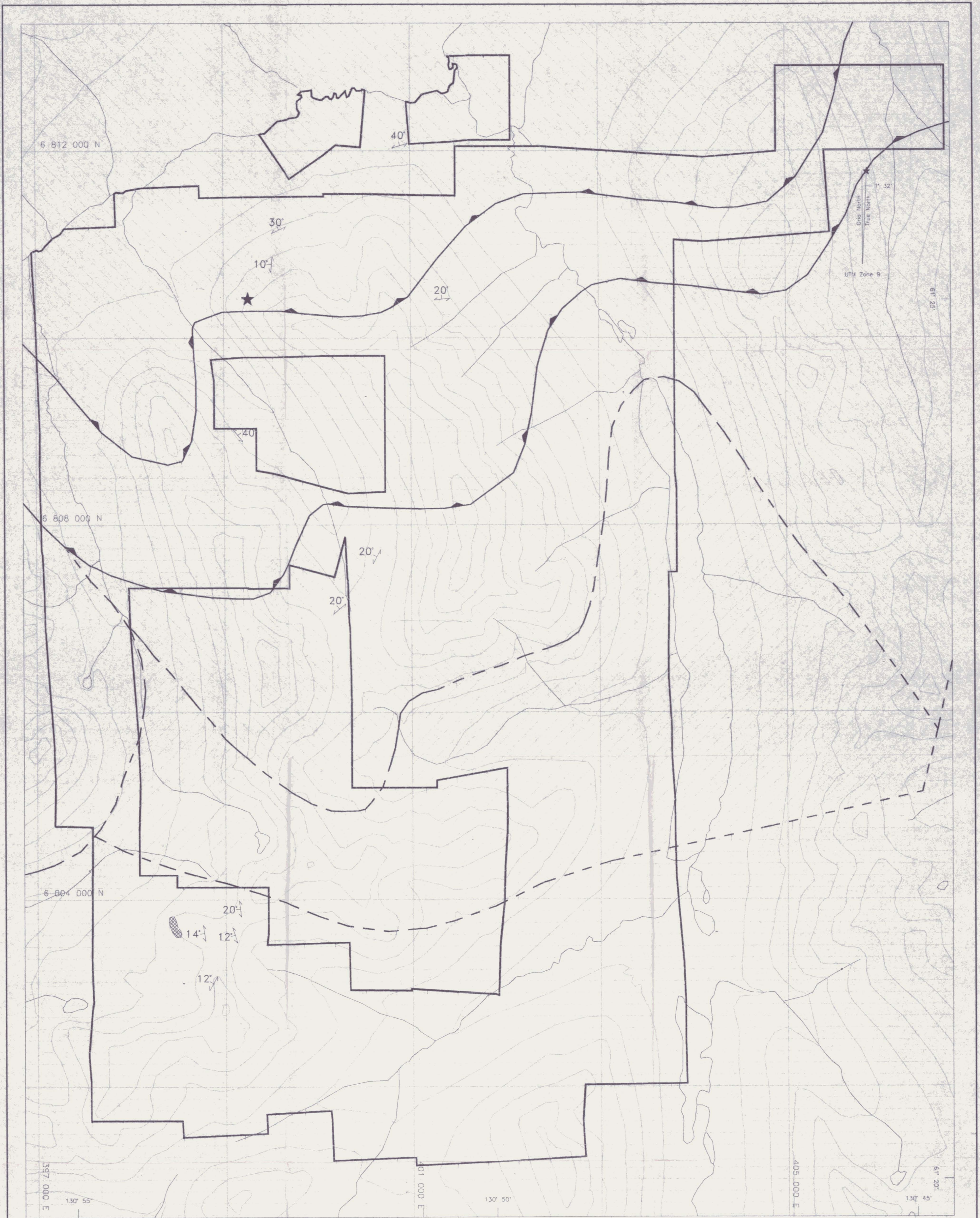
FIGURE 2
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

CLAIM LOCATION
 SLAP SHOT PROPERTY
 EXPATRIATE RESOURCES LTD.

Scale 1:20,000



#1

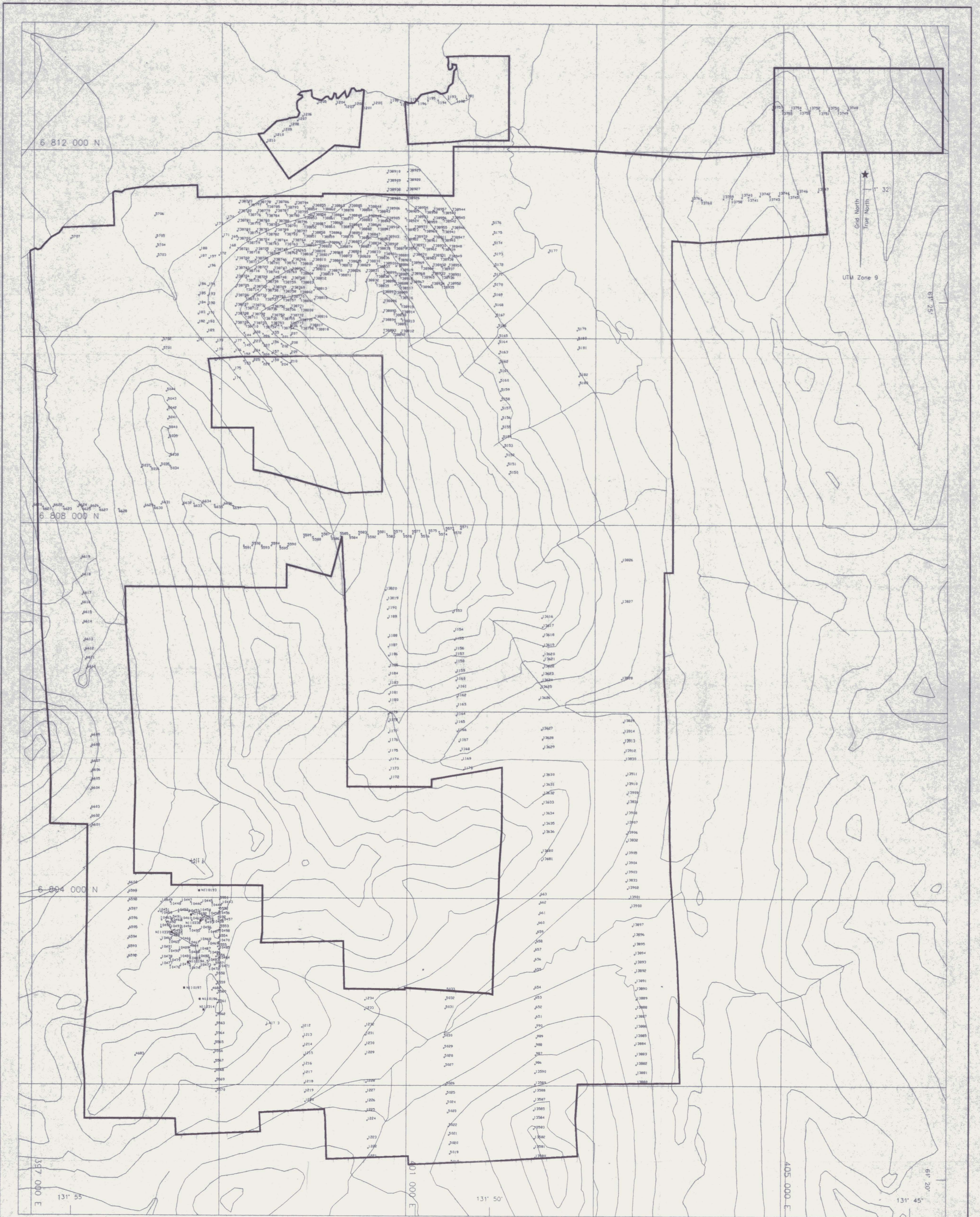


093587

- Graphitic quartzite, amphibolitic greenstone, amphibole-chlorite schist
- Muscovite-biotite gneiss
- Sheared hornblende granodiorite and quartz monzonite
- Biotite ± muscovite granite
- Gossan
- Showing
- Foliation with strike and dip
- Normal fault
- Geological boundary
- Claim boundary

FIGURE 5
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
GEOLOGY
 SLAP SHOT PROPERTY
 EXPATRIATE RESOURCES LTD.
 Scale 1:20,000

#2



093587

• Sample location with number
 All samples prefixed with BB unless otherwise stated

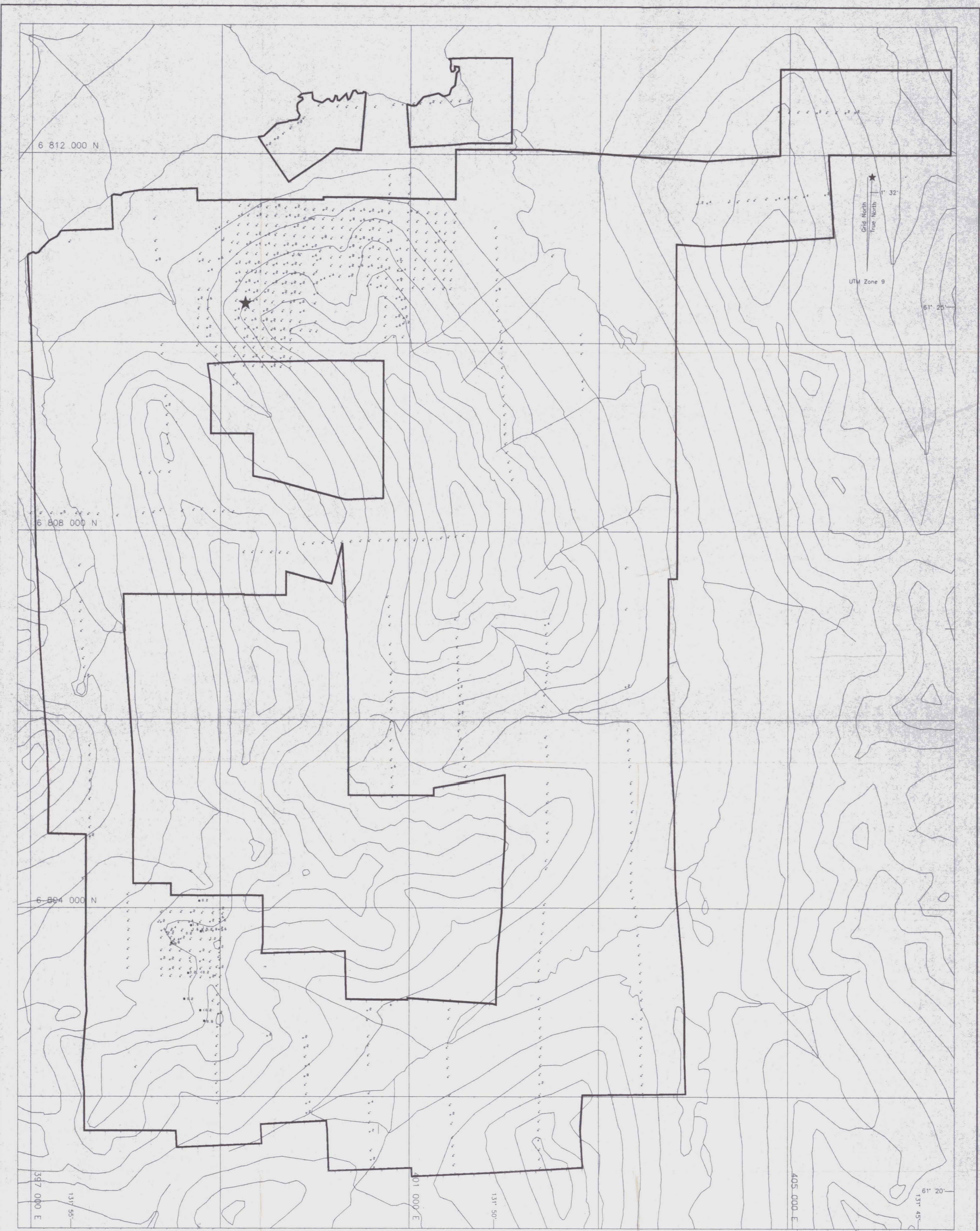
• Rock sample location with sample number

FIGURE 6
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
SAMPLE LOCATION
 SLAP SHOT PROPERTY
 EXPATRIATE RESOURCES LTD.

Scale 1:20,000



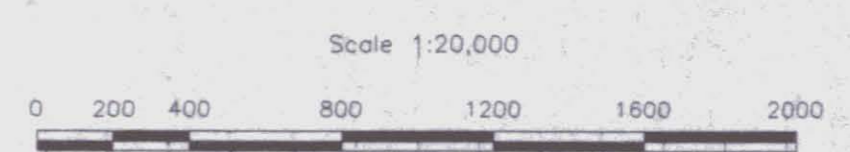
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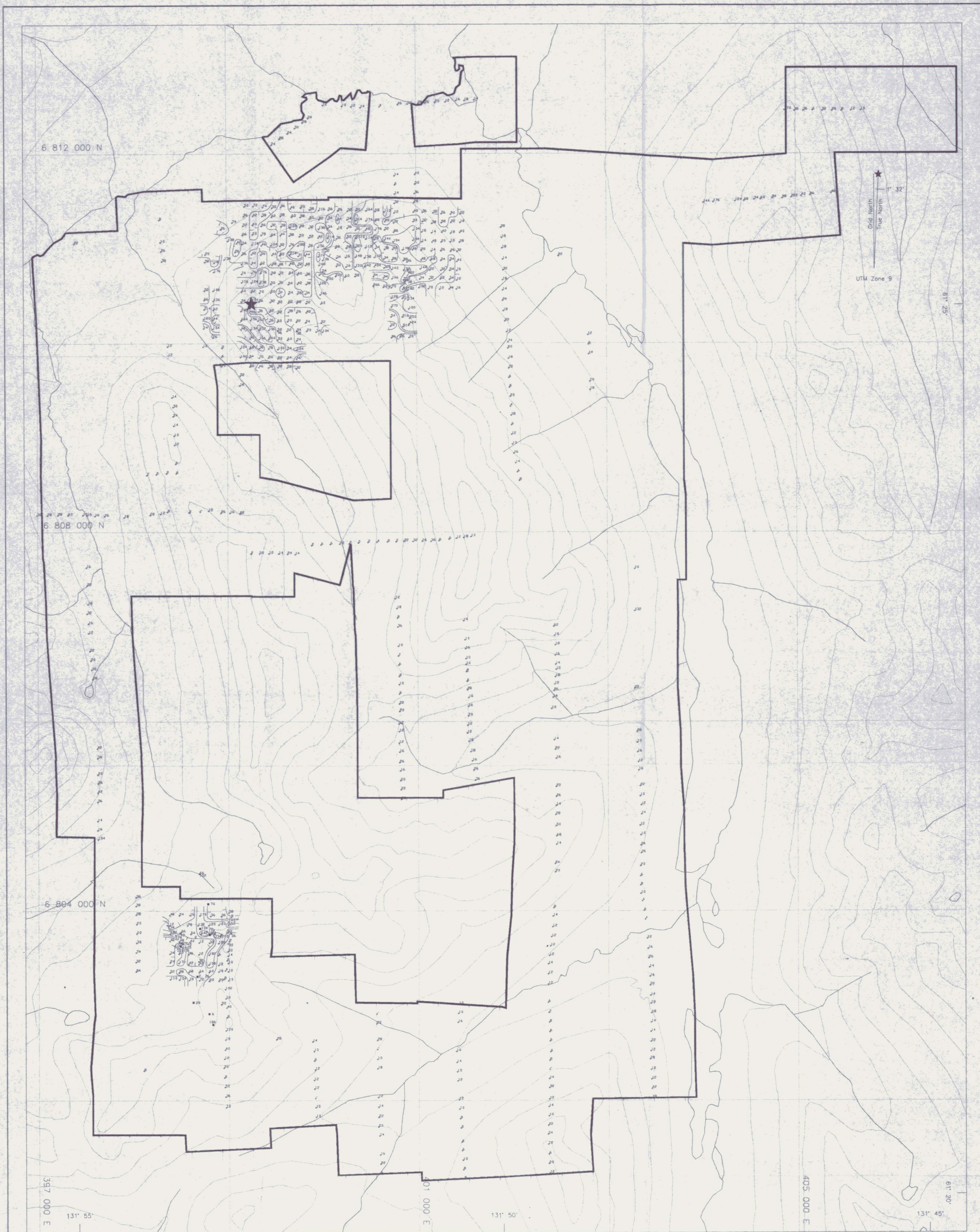
- Claim boundary
- Rock sample location with silver value in ppm
- Soil sample location with silver value in ppm
- Below detection limit
- ★ Showing
- ≥ 10 ppm Ag
- ≥ 5 < 10 ppm Ag
- ≥ 2 < 5 ppm Ag

0.3587

FIGURE 7
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
SILVER GEOCHEMISTRY
 SLAP SHOT PROPERTY
 EXPATRIATE RESOURCES LTD.



#4



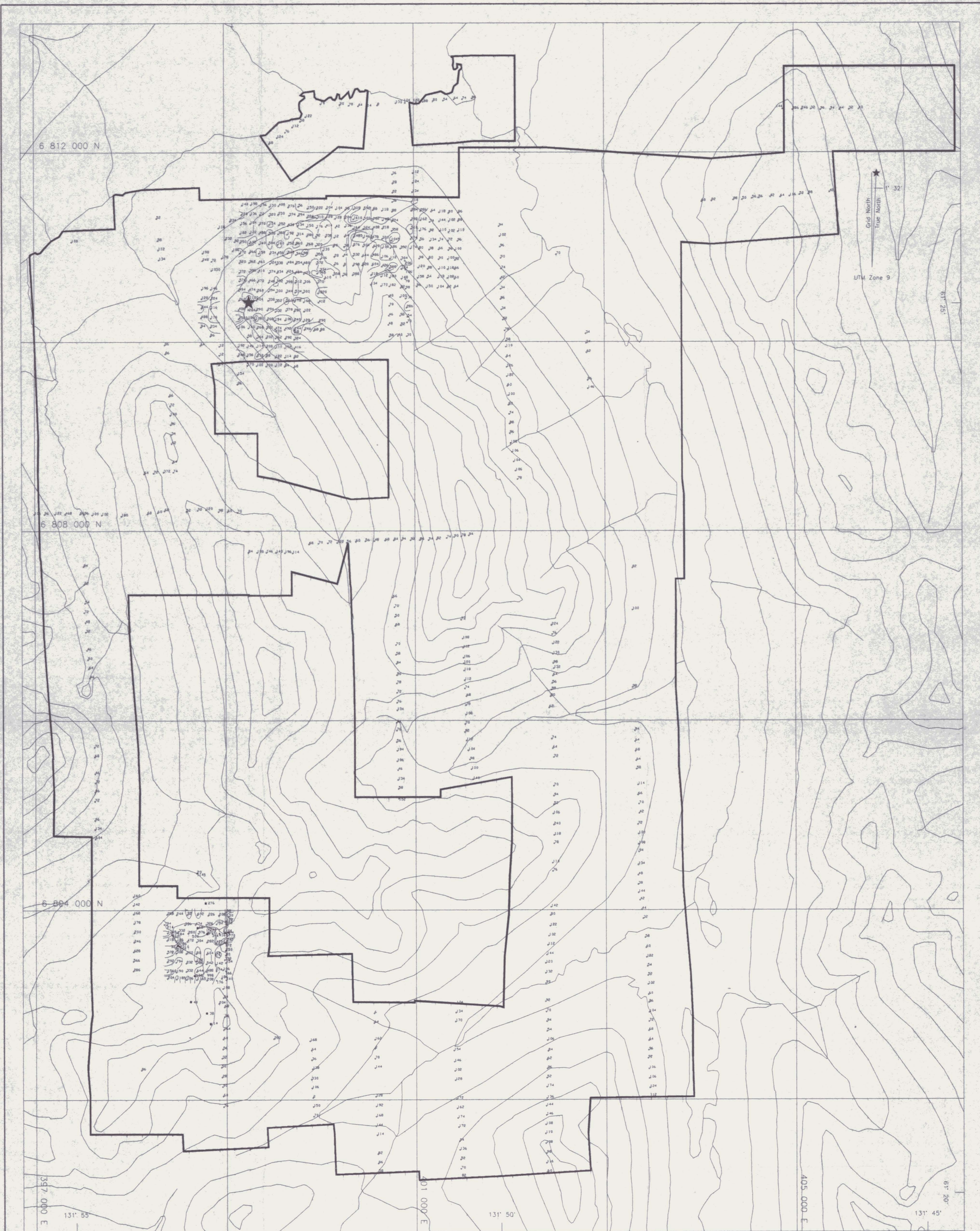
093587

- Claim boundary
- ★ Showing
- Rock sample location with lead value in ppm
- Soil sample location with lead value in ppm
- █ ≥ 200 ppm Pb
- █ ≥ 100 < 200 ppm Pb
- █ ≥ 50 < 100 ppm Pb

FIGURE B
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
LEAD GEOCHEMISTRY
 SLAP SHOT PROPERTY
 EXPATRIATE RESOURCES LTD.



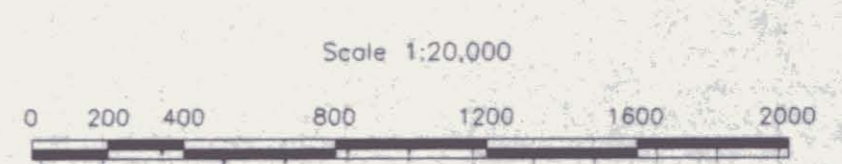
#5



093587

- Claim boundary
- ★ Showing
- Rock sample location with zinc value in ppm
- Soil sample location with zinc value in ppm
- ≥ 1000 ppm Zn
- ≥ 500 < 1000 ppm Zn
- ≥ 200 < 500 ppm Zn

FIGURE 9
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
ZINC GEOCHEMISTRY
 SLAP SHOT PROPERTY
 EXPATRIATE RESOURCES LTD.



#6