MAP NO: 105G/2,7

Minfile #:105G-98

ASSESSMENT REPORT: X

PROSPECTUS:

CONFIDENTIAL: X

OPEN FILE:

DOCUMENT NO:093620

MINING DISTRICT: Watson Lake

TYPE OF WORK:DD G,GC,GP

REPORT FILED UNDER:Expatriate Resources Ltd.

DATE PERFORMED: June-September, 1996

DATE FILED: March 17, 1997

LATITUDE: 61 11

AREA: Fyre Lake

LONGITUDE:130 37

VALUE:$ 129,100

CLAIM NAME AND #: Hattrick 1-396

WORK DONE BY: Doug Eaton

WORK DONE FOR: Expatriate Resources Ltd.

Claims in Good Standing	

Remarks: Geological mapping, prospecting, soil sampling, ground magnetics and HLEM and 998 m of DD in 5 holes.

093620

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

1016 - 510 WEST HASTINGS STREET, VANCOUVER, B.C. V6B 1L8 TEL (604) 688 - 2568 • FAX (604) 688 - 2578

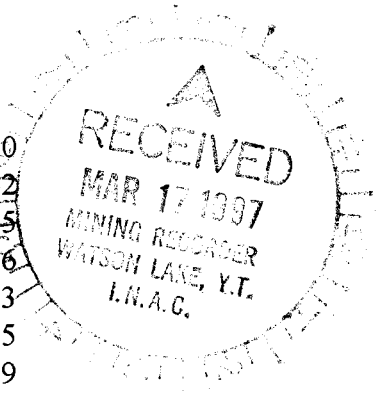
ASSESSMENT REPORT

describing

GEOLOGICAL MAPPING, SOIL SAMPLING, GEOPHYSICAL SURVEYS AND DIAMOND DRILLING

at the

HAT TRICK PROPERTY



Hat Trick 1-50	YB59061-YB59110
51-52	YB59941-YB59942
53-60	YB63578-YB63585
61-74	YB59943-YB59956
75-114	YB60444-YB60483
115-274	YB63586-YB63745
275-302	YB63902-YB63929
303-330	YB63746-YB63773
331-372	YB70275-YB70316
373-396	YB76906-YB76929

Latitude 61°11' N; Longitude 130°37' W

on NTS 105G2 & 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.
March, 1997

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

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 129,100.

M. Burke

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

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APPENDICES

I AUTHOR'S STATEMENT OF QUALIFICATIONS

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

III REPORT DESCRIBING GEOLOGIC MAPPING AND DRILLING ON THE HAT TRICK 1-16, 28-40, 51-57, 59, 61-66, 75-86, 91-96, 102-114, 127, 156-158 AND 215-218 CLAIMS BY LEE C. PIGAGE, JANUARY, 1997

IV PETROGRAPHIC EXAMINATION OF MISCELLANEOUS SAMPLES BY LESLIE INVESTMENTS LTD., RESEARCH AND CONSULTING DIVISION PREPARED FOR WESTMIN RESOURCES LIMITED, AUGUST, 1996

V GPS DATA

VI CERTIFICATES OF ANALYSIS

INTRODUCTION

Expatriate Resources Ltd. has a 100% interest in the Hat Trick 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. The property consists of 396 claims that were acquired by staking in 1995 and early 1996. Grid soil sampling, geological mapping and prospecting were done in the south-central part of the property in summer 1995.

The 1996 field exploration included airborne magnetic and electromagnetic surveys, geological mapping, prospecting, claim surveys, soil sampling, linecutting, ground magnetic and Maxmin surveys, and 998 m of diamond drilling in five holes. The work was managed by Archer Cathro and was supervised by the author. Appendix I contains the Author's Statement of Qualifications.

The main body of this report focusses on claim surveys and the soil geochemical component of the program. 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 have been filed as a separate document. Ground magnetic and Maxmin survey results are reported in "Ground Total Magnetic Field and HLEM Survey of Properties in the Finlayson Allochthon, Yukon Territory" by M.A. Power and C.C. Lee dated December 6, 1996, appropriate sections of which are included in

Appendix II. Geology and diamond drilling are described in detail in "Report describing Geologic Mapping and Drilling on the Hat Trick 1-16, 28-40, 51-57, 59, 61-66, 75-86, 91-96, 102-114, 127, 156-158 and 215-218 Claims" by Lee C. Pigage dated January, 1997 which has been included as Appendix III. Representative rock specimens are described in "Petrographic Examination of Miscellaneous Samples" by Leslie Investments Ltd., August, 1996, a copy of which has been included as Appendix IV.

PROPERTY, LOCATION AND ACCESS

The property is located in southeastern Yukon at latitude 61°11'N and longitude 130°37'W on NTS map sheets 105G/2 and 7 (Figure 1). It is comprised of 396 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.

Claim Name	Grant Number	Expiry Date*
Hat Trick 1-50	YB59061-YB59110	March 17, 2004
51-52	YB59941-YB59942	March 17, 2004
53-60	YB63578-YB63585	March 17, 2001
61-74	YB59943-YB59956	March 17, 2004
75-114	YB60444-YB60483	March 17, 2000
115-274	YB63586-YB63745	March 17, 2001
275-302	YB63902-YB63929	March 17, 2001
303-330	YB63746-YB63773	March 17, 2001
331-372	YB70275-YB70316	March 17, 2001
373-396	YB76906-YB76929	March 17, 2001

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

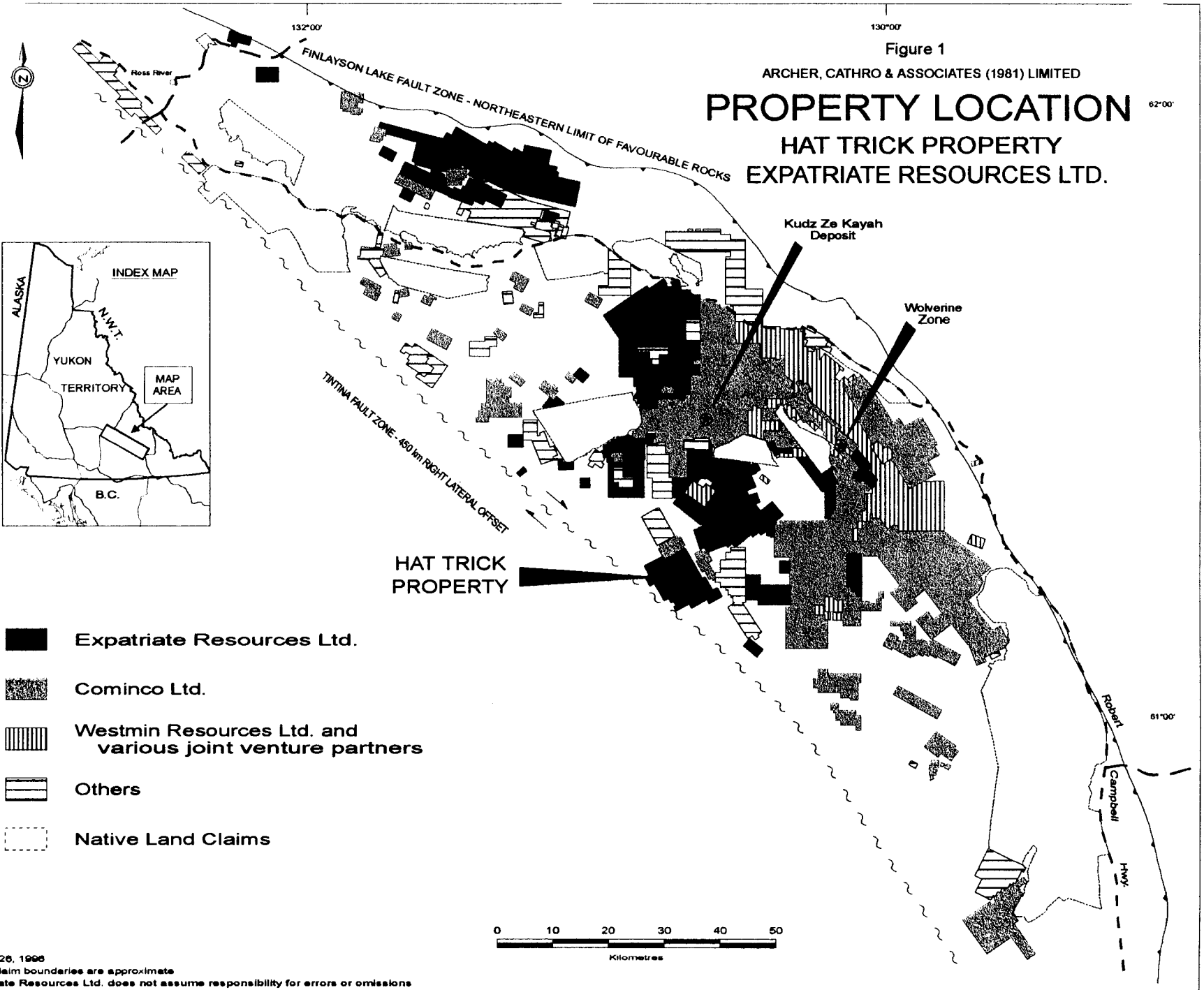
In 1996 the property was accessed by helicopter from Expatriate's base camp on Finlayson Lake (Km 232 on the Robert Campbell Highway). The property lies 50 km southwest of the base camp and 245 km east-northeast of Whitehorse. Helicopter support was provided by a Bell 206B Jet Ranger and Aerospatiale 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. Some diamond drill equipment and fuel was flown from Finlayson Lake to Fire Lake which lies along the southeastern edge of the property using either a float-equipped Otter owned by Watson

Figure 1

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

PROPERTY LOCATION

HAT TRICK PROPERTY
EXPATRIATE RESOURCES LTD.



August 26, 1996

Note: Claim boundaries are approximate

Expatriate Resources Ltd. does not assume responsibility for errors or omissions

Lake Flying Service Ltd. of Watson Lake or a Beaver belonging to Kluane Airways Ltd. of Whitehorse.

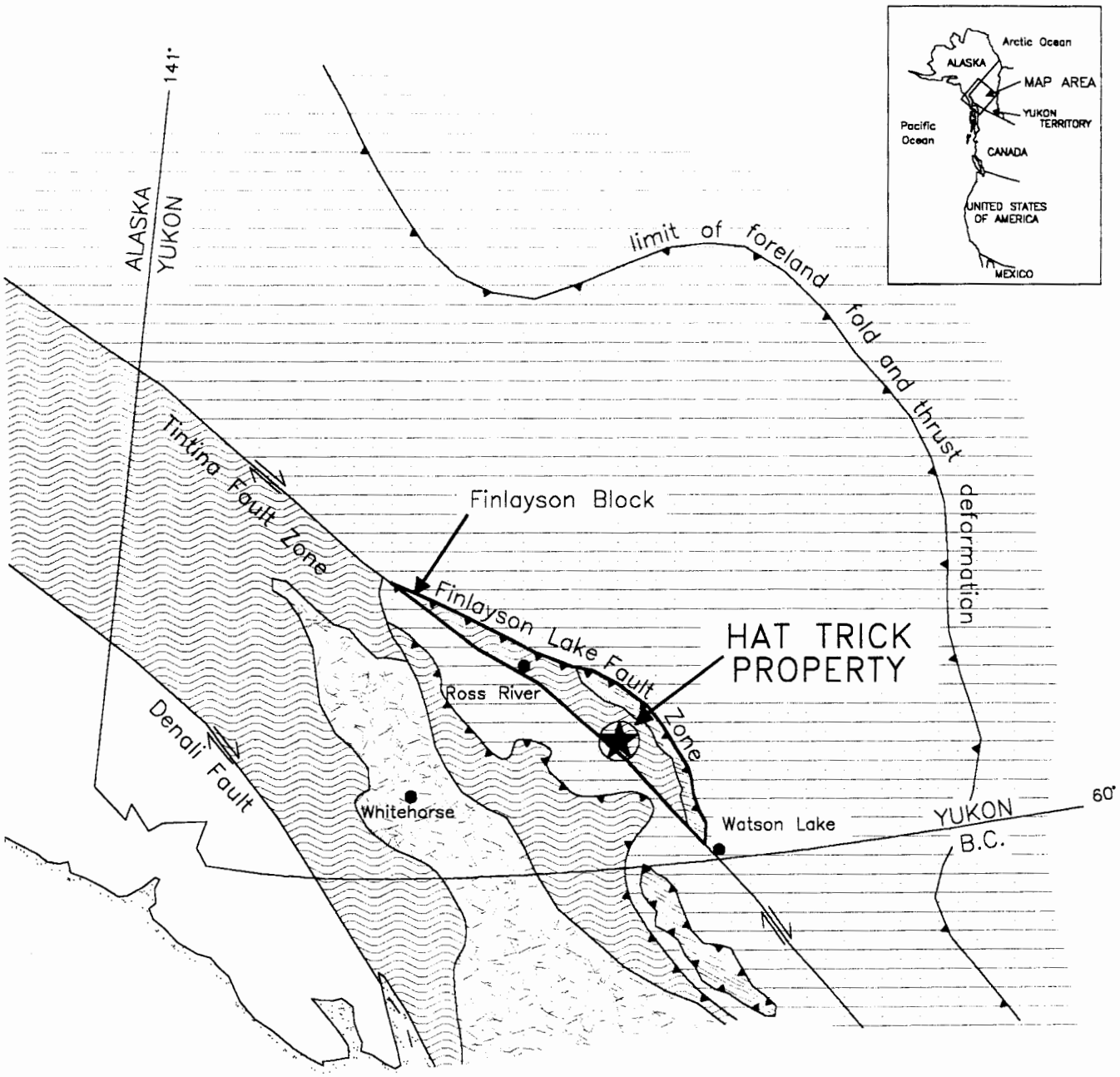
During the 1996 exploration program most claim post locations were surveyed using Trimble Geoexplorer GPS units. Field readings were corrected using base station data from Westmin Resources Limited's camp at Wolverine Lake. GPS survey data appears in Appendix V.

REGIONAL GEOLOGY

The Hat Trick 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



Thrust fault

Steep fault

Yukon–Tanana Terrane

Slide Mountain Terrane

Stikinia and other Terranes

North American Miogeoclinal Strata

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

FIGURE 3

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TECTONIC SETTING

HAT TRICK PROPERTY

EXPATRIATE RESOURCES LTD.

0 100 200 300 400

KILOMETRES

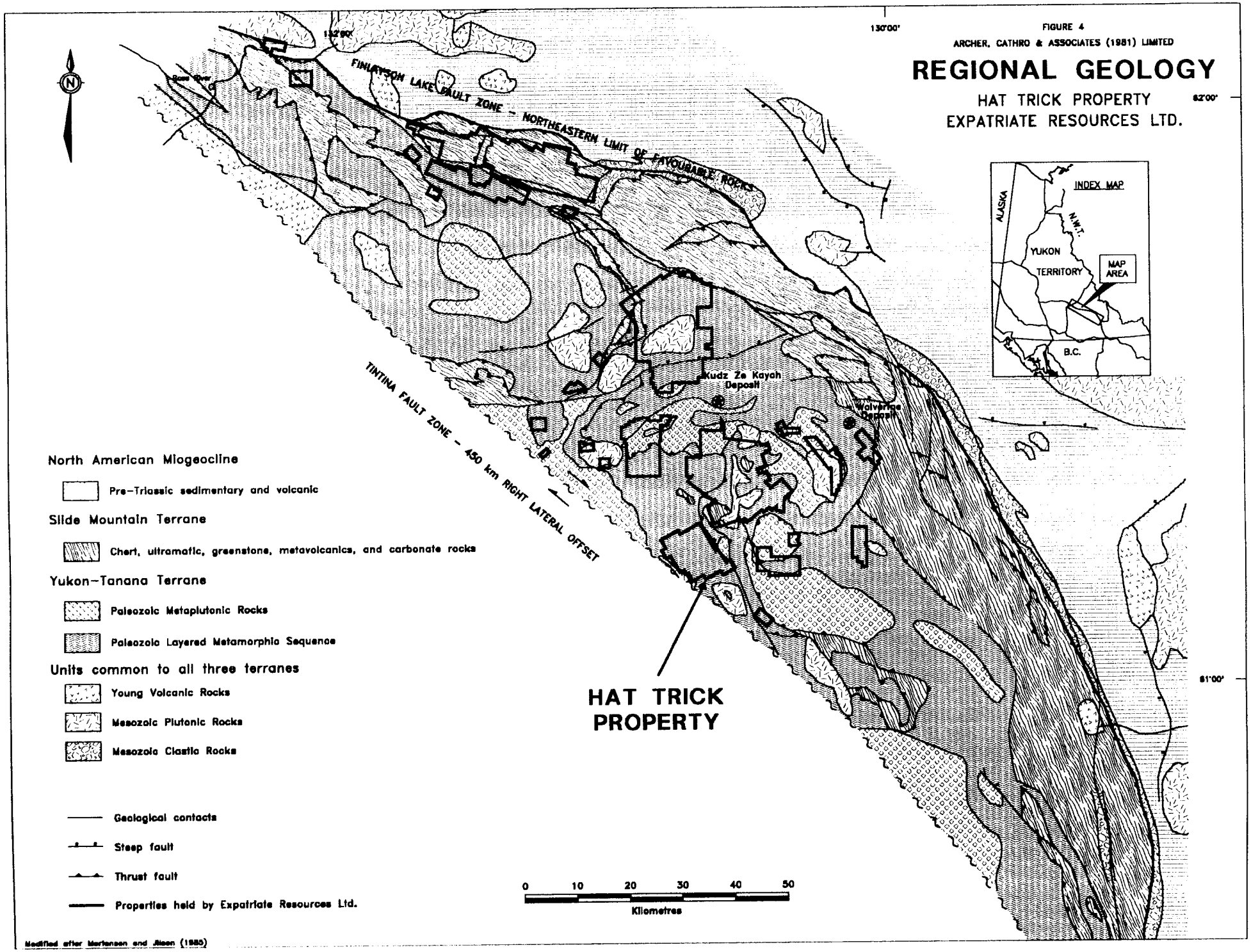


FIGURE 4
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
REGIONAL GEOLOGY
HAT TRICK PROPERTY
EXPATRIATE RESOURCES LTD.
132°00'
130°00'
62°00'
61°00'
FINLAYSON LAKE FAULT ZONE - NORTHEASTERN LIMIT OF FAVOURABLE ROCKS
TINTINA FAULT ZONE - 450 km RIGHT LATERAL OFFSET
Kudz Ze Kayah Deposit
Wolverine Deposit
HAT TRICK PROPERTY
INDEX MAP
ALASKA
N.W.T.
YUKON TERRITORY
MAP AREA
B.C.
North American Miogeocline
Pre-Triassic sedimentary and volcanic
Slide Mountain Terrane
Chert, ultramafic, greenstone, metavolcanics, and carbonate rocks
Yukon-Tanana Terrane
Paleozoic Metaplutonic Rocks
Paleozoic Layered Metamorphic Sequence
Units common to all three terranes
Young Volcanic Rocks
Mesozoic Plutonic Rocks
Mesozoic Clastic Rocks
Geological contacts
Steep fault
Thrust fault
Properties held by Expatriate Resources Ltd.
0 10 20 30 40 50
Kilometres
Modified after Mortensen and Jilson (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 offshelf, 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 volcaniclastic 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 refocussed exploration activities in the area. Both deposits occur within metasedimentary and metavolcanic sequences of the Yukon-Tanana Terrane and are associated with felsic volcanics present in the middle unit of that terrane.

REGIONAL MINERALIZATION

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

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

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

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

The Fyre Lake Deposit is located 3 km east of the property. It is a Besshi-type VMS deposit hosted by chloritic±actinolite±quartz schist belonging to the middle unit of the Layered Metamorphic Sequence. The host stratigraphy is structurally overlain by phyllitic metasediments with a basal unit of quartz-chlorite-mica schist (Roberts, 1997). Drilling in 1996 traced a 70 to 80 m thick section containing three massive to semi-massive sulphide and magnetite horizons over a length of 1000 m and width of 100 m. Intersections on the Lower Horizon averaged 1.2% copper, 0.12% cobalt and 0.77 g/t gold over 7 m while those found in the Upper Horizon averaged 1.9% copper, 0.12% copper and 0.53 g/t gold over 13 m (Columbia Gold Mines Ltd., News Release, December 2, 1996). The Middle Horizon is more discontinuous and no averages have been reported for it.

REGIONAL GEOCHEMISTRY

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

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

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

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

GEOCHEMICAL BACKGROUNDS AND ANOMALOUS THRESHOLDS

		Anomalous Thresholds (ppm)			Peak
	Background	Weak	Moderate	Strong	Value
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 Hat Trick property was staked to protect a target selected from the Archer Cathro data. Peak values from 1973 sampling at Hat Trick were 310 ppm copper, 768 ppm lead, 1490 ppm zinc and 13 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 Hat Trick property covers a 7 km long magnetic high that is similar in intensity to the anomaly associated with the magnetite horizon at the Wolverine Deposit.

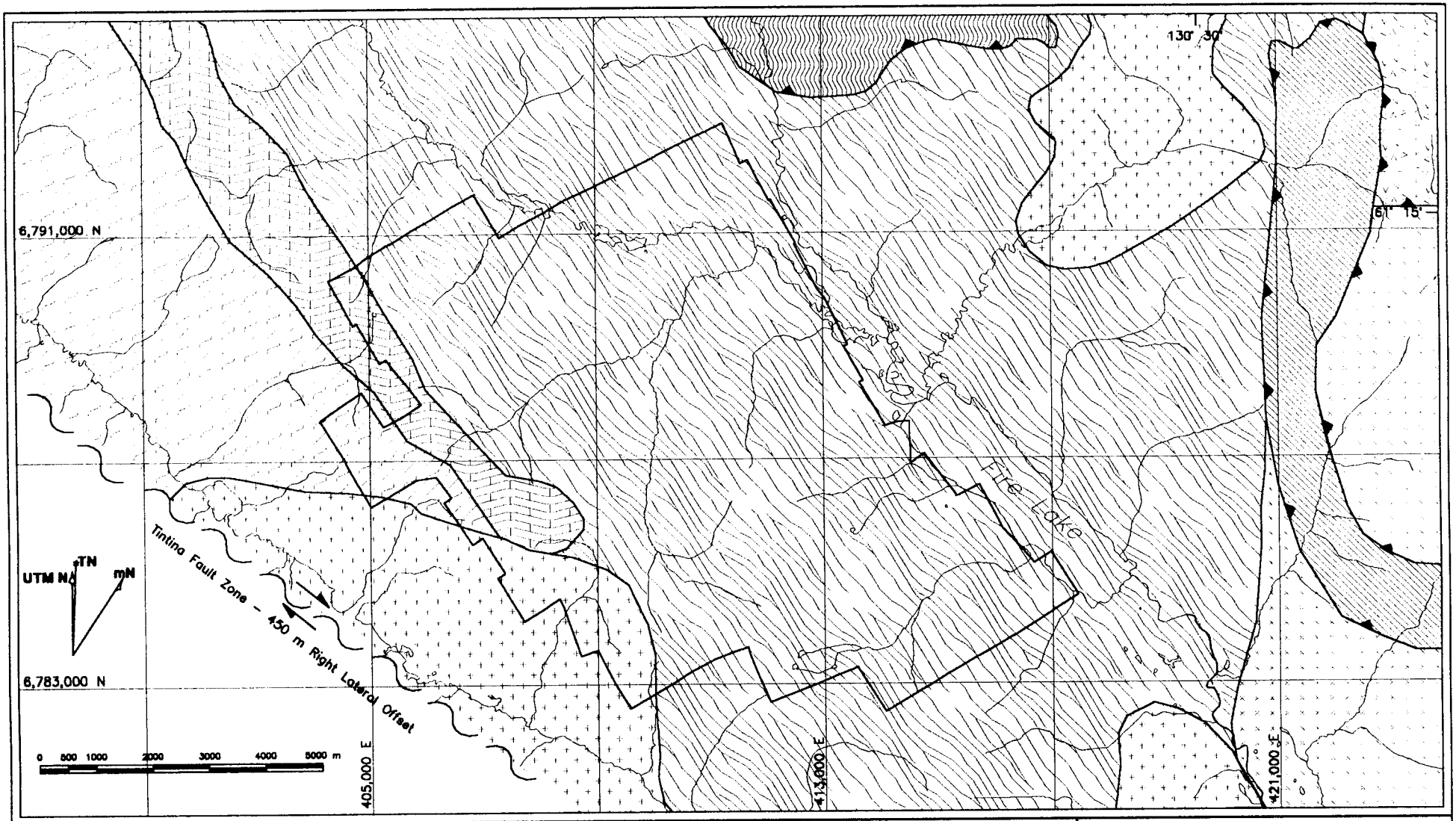
PROPERTY GEOLOGY AND MINERALIZATION

Geology and mineralization, both at surface and in diamond drill holes, are described in detail in Appendix III. The following summary provides a general framework for soil geochemical interpretation. Generalized property geology is illustrated on Figure 5.

The property is primarily underlain by metasedimentary and metavolcanic rocks that are correlated to the lower and middle units of the Paleozoic Layered Metamorphic Sequence of the Yukon-Tanana Terrane. These rocks are intruded by a small hornblende diorite body belonging to the Paleozoic Simpson Suite and a large muscovite±biotite granite stock that is believed to be Cretaceous in age. The stratigraphic units include: augen gneiss, quartz-mica schist and thinly banded marble of the lower unit of the Layered Metamorphic Sequence; and, quartzite, biotite-chlorite phyllite, felsic volcanic, quartz-muscovite schist, muscovite-biotite schist and chlorite-amphibolite schist, all of which belong to the middle unit.

In the main area of interest in the south-central part of the claim block the stratigraphic units exhibit lower amphibolite facies regional metamorphism and are deformed into a southeast-plunging, slightly overturned syncline. The northeastern limb of the syncline is relatively well exposed but the southwestern side is almost completely blanketed by glacial till and talus.

The most promising VMS target is a quartz-muscovite schist horizon which forms a 10 to 30 m wide recessive linear that has been traced 2000 m along the northeastern limb of the fold. Five diamond drill holes tested a 400 m strike length along this unit and showed that it is highly pyritic and typically contains minor amounts of sphalerite, galena and chalcopyrite. The rock



Muscovite ± biotite granite

Dark green andesite and rusty weathering rhyolite

Quartz–mica schist, marble

Lake, stream

Claim boundary

Slide Mountain ultramafic

Greenstone
Biotite amphibolite

Augen gneiss

Geology boundary

Hornblende–biotite granodiorite
Quartz monzonite

Quartzite
Felsic volcanic
Muscovite–biotite schist
Biotite–chlorite phyllite
Chlorite–amphibolite schist
Quartz–muscovite schist

Thrust fault

Figure 5

Archer, Cathro & Associates (1981) Limited

PROPERTY GEOLOGY

HAT TRICK PROPERTY

EXPATRIATE RESOURCES LTD.

SCALE: 1:100,000	FILE: HT–GEOL.DWG	
DRAWN: TCB	PROJ: FP	DATE: Feb 14/87

appears to be strongly altered felsic volcanic. The surrounding footwall and hanging wall rocks also show evidence of hydrothermal alteration and are often strongly magnetic.

Foliaform massive sulphide and baritic semi-massive sulphide float have been discovered in micaceous mud slides derived from the quartz-muscovite schist horizon. Although the sulphide-bearing float returned assays up to 17.60% zinc, 5.68% lead, 4.00% copper, 302 g/t silver and 1.5 g/t gold, the drill holes intersected only weak mineralization. The best drill intersection came from hole HT 96-03 and yielded 1.53% zinc, 7650 ppm lead, 2280 ppm copper and 25.2 ppm silver over 1.54 m.

PROPERTY GEOCHEMISTRY

General

Soil geochemistry included grid sampling, which extended the 1995 grid (Wengzynowski, 1996) approximately 2000 m to the north and 1800 m to the west, and reconnaissance sampling which was done over the rest of the property. The grid samples were collected at 100 m centres on lines spaced 100 m apart using slope-corrected baselines for control. The reconnaissance samples were taken at approximately 100 m intervals along claim lines or on contour lines, except where steep topography or frozen ground prevented sample collection. Sample locations are shown on

Figure 6.

All samples were sent to Chemex Labs Ltd. in North Vancouver, B.C. where they were dried, sieved to -80 mesh, digested in nitric-aqua regia and analyzed for 32 elements using the Induced Coupled Plasma (ICP) technique. Certificates of Analysis appear in Appendix VI.

Results

Figures 7, 8 and 9 show soil geochemical results for copper, lead and zinc, respectively, while anomalous threshold and peak values for six VMS indicator elements are tabulated on the following page.

Anomalous Threshold Values (ppm)

Element	Weak	Moderate	Strong	Peak Value
Copper	50	100	200	775
Lead	50	100	200	6410
Zinc	200	500	1000	854
Silver	1	2	5	7.0
Molybdenum	2	5	10	49
Cobalt	30	50	80	106

Review of the geochemical data has outlined one major geochemical anomaly, seven secondary targets and numerous single point anomalies. Based on the geochemical signature and associated lithologies, there is potential for both Kuroko- and Besshi-type VMS mineralization. The table following lists geochemical data for the various anomalies along with their probable VMS affinity. General characteristics of the anomalies and descriptions of the local geology are described in the following paragraphs.

Peak Values (ppm)

Target	Copper	Lead	Zinc	Silver	Molybdenum	Cobalt	VMS Type
Main Anomaly	377*	6410*	854*	7.0*	28*	29	Kuroko
"A"	159*	162*	352*	0.8	10*	27	Kuroko
"B"	103*	156*	434*	0.4	3	47	Kuroko
"C"	176*	206*	440*	1.6*	9*	61	Kuroko
"D"	659*	88	540*	2.2*	49*	29	Kuroko?
"E"	456*	188	234	0.2	2	28	Besshi?
"F"	565*	24	308	0.8	11*	54	Besshi?
"G"	775*	84	848	2.4	30*	61	Besshi

*Metals characteristic of the anomaly.

The Main Anomaly has been grid soil sampled with the anomalous values forming an "L" shaped contour pattern. The northwest-trending limb is 2000 m long and closely follows the surface trace of the mineralized quartz-muscovite schist horizon that was partially drill tested in 1996. There is remarkably little dispersion on the southwest-facing hillside below this anomalous trend. The northeast-trending limb is also about 2000 m long and represents downslope and downstream dispersion from a cirque face which has cut into the mineralized horizon. All metals, except cobalt, returned weakly to extremely anomalous values suggesting that this is a Kuroko-type target. The drilling tested a 400 m long area near the junction of the two limbs. The remainder of the target, including the sample sites that produced the highest lead, zinc and silver values, is untested.

Target "A" lies 600 m northwest of the Main Anomaly. It is about 200 m in diameter and exhibits moderately to strongly anomalous molybdenum response with weak to moderate lead, copper and zinc support. Nothing is known about the geology in the immediate vicinity of the anomaly but quartz-muscovite schist has been mapped nearby.

Target "B" is restricted to two samples on a reconnaissance line located on a cirque floor approximately 1000 m north of the Main Anomaly. The samples returned weakly to moderately anomalous values for copper, lead and zinc. Rocks in the area are described as quartz schist or quartzite.

Target "C" covers a 400 by 200 m area in the southeastern corner of the 1995 soil grid. Most samples are weakly to moderately anomalous for copper, lead, zinc, silver and molybdenum. Felsic volcanic and quartz-muscovite schist reportedly underlie the area.

Target "D" is located 2 km east of the Main Anomaly. Moderately to strongly anomalous copper and molybdenum results were obtained on several reconnaissance lines within an area about 1.5 m in diameter. Weak to moderate zinc, lead and silver support is restricted to a 700 by 500 m area near the centre of the anomaly. This target could be related to Kuroko-type mineralization but intrusive rocks are reported in the area and the anomalies could also be due to fracture filling or disseminated mineralization within or peripheral to the intrusion.

Target "E" is primarily a copper anomaly with sporadic lead and zinc support. Moderately to strongly anomalous values were obtained on two subparallel reconnaissance sample lines over a length of 500 m. Little is known about the geology in the vicinity of the anomalous samples.

Target "F" appears on three widely spaced reconnaissance lines covering an area that is approximately 1300 m in diameter. Moderate to strong copper and molybdenum response occurs throughout the area but anomalous results for other metals are restricted to isolated sample sites. No geological mapping has been done in this area to date.

Target "G" is in the northwestern corner of the property. The area of moderate to strong copper and molybdenum response cover parts of two north-facing cirques and is approximately 3000 by 1500 m. Smaller clusters of anomalous zinc, copper and cobalt values are found throughout the area while lead response is very subdued with only scattered weakly anomalous results. The target is partially underlain by chlorite-actinolite schist that is surrounded by biotite-chlorite phyllite and schist. This is a Besshi-type target and is the second best anomaly on the property after the Main Anomaly.

DISCUSSION AND RECOMMENDATIONS

Results of surface exploration and drilling done in the vicinity of the Hat Trick Main Anomaly are described in Pigage's report in Appendix III. Recommendations for further work in that area are made in that report.

Reconnaissance mapping and soil sampling on the property have outlined seven other targets. Each of these targets requires more detailed prospecting and mapping and most should be sampled at a higher density.

The Hat Trick Main Anomaly and most of the targets in the southeastern part of the property have geochemical signatures typical of the Kuroko-type mineralization while the other targets resemble the anomaly associated with the nearby Fyre Lake Deposit which is a Besshi-type prospect.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

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

SELECTED REFERENCES

Cathro, R.J.
1973 Final Report, Finlayson Joint Venture; November 30, 1973, p.44.

Columbia Gold Mines Ltd.
1996 News Release, Cobalt Assays Consistent at Fyre Lake, December 2, 1996.

Cominco Exploration
1995 Kudz Ze Kayah Program, Yukon; Information handout from Cordilleran Roundup, Spring 1995.

DIAND
1995 Yukon Minfile, November/95; Exploration Geological Services Division, Indian and Northern Affairs Canada.

DMTS
1961 Finlayson Lake (105G), Airborne Magnetic Map; Department of Mines and Technical Surveys, Geophysical Paper 70006G.

Friske, P.W.B., Hornbrook, E.H.W., Lynch, J.J., McCurdy, M.W., Gross, H., Galletta, A.C. and Durham, C.C.
1990 Regional stream sediment and water geochemical data, central Yukon; Geological Survey of Canada Open File 2174 (105K East).

Hornbrook, E.H.W. and Friske, P.W.B.
1988 Regional stream sediment and water geochemical data, southeastern Yukon; Geological Survey of Canada Open File 1648 (105G).

Johnston, S.T. and Mortensen, J.K.
1994 Regional setting of porphyry Cu-Mo deposits, volcanogenic massive sulphide deposits, and mesothermal gold deposits in the Yukon-Tanana Terrane, Yukon; Yukon Metallogeny: Recent Developments, Canadian-Yukon Economic Development Agreement, pp.30-34.

Morin, J.A.
1981 Volcanogenic iron and base metal occurrences in Klondike Schist, Yukon Geology and Exploration 1979-80, Department of Indian and Northern Affairs, pp.91-97.

Mortensen, J.K.
1992 Pre-Mid-Mesozoic Tectonic Evolution of the Yukon-Tanana Terrane, Yukon and Alaska; Tectonics, Vol.11, No.4, pp.836-853.

Mortensen, J.K. and Jilson, G.A.
1985 Evolution of the Yukon-Tanana Terrane: evidence from southeastern Yukon Territory; Geology, V.13, pp.806-810.

Roberts, W.
1997 Abstract, 1997 Cordilleran Roundup, January 28-31, 1997, pp.31-32.

Schultze, H.C.
1996 Summary of the Kudz Ze Kayah Project, volcanic hosted massive sulphide deposit Yukon Territory; *in*: Yukon Exploration and Geology, 1995, Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, pp.29-32.

Tempelman-Kluit, D.J., Gordey, S.P. and Read, B.C.
1976 Stratigraphic and structural studies in the Pelly Mountains, Yukon Territory; Geological Survey of Canada Paper 76-1A, pp.97-106.

Tempelman-Kluit, D.J.
1977 Quiet Lake (105F) and Finlayson Lake (105G) map areas; Geological Survey of Canada Open File 486.

1979 Transported Cataclasite, Ophiolite and Granodiorite in Yukon: Evidence of Arc-Continent Collision. Geological Survey of Canada, Paper 79-14, 27 pages.

Wengzynowski, W.A.
1996 Assessment Report describing Prospecting and Geochemical Surveys on the Hat Trick Property, 105G2, Watson Lake Mining District.

Westmin Resources Limited
1996 News Release, Joint Release with Atna Resources Ltd; November 30, 1996, p.2.

Whiteway, P.
1995 "Fast-Tracking" ABM; *in* Canadian Mining Journal, June 1995, pp.17-21.

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.

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

APPENDIX II

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

BY M.A. POWER AND C.C. LEE

DECEMBER 6, 1996

EXPATRIATE RESOURCES LTD.

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

Part I of 3 - Text

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

and

C. C. Lee B.Sc.

PROPERTIES

LEAGUE
ICE
BREAKAWAY
REF1
REF2
REF3
BUZZER
SLAPSHOT
HAT TRICK

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

SUMMARY

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

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 $\pm$3 m using these instruments. On other grids, best estimates of the location of key points were made using non-differential GPS receivers or using topographic maps.

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

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

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

$$x' = x - x_0$$

$$y' = y - y_0$$

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

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

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

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

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

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

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

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

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

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

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

3.0 HLEM THEORY AND INTERPRETATION PROCEDURES

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

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

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

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

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

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

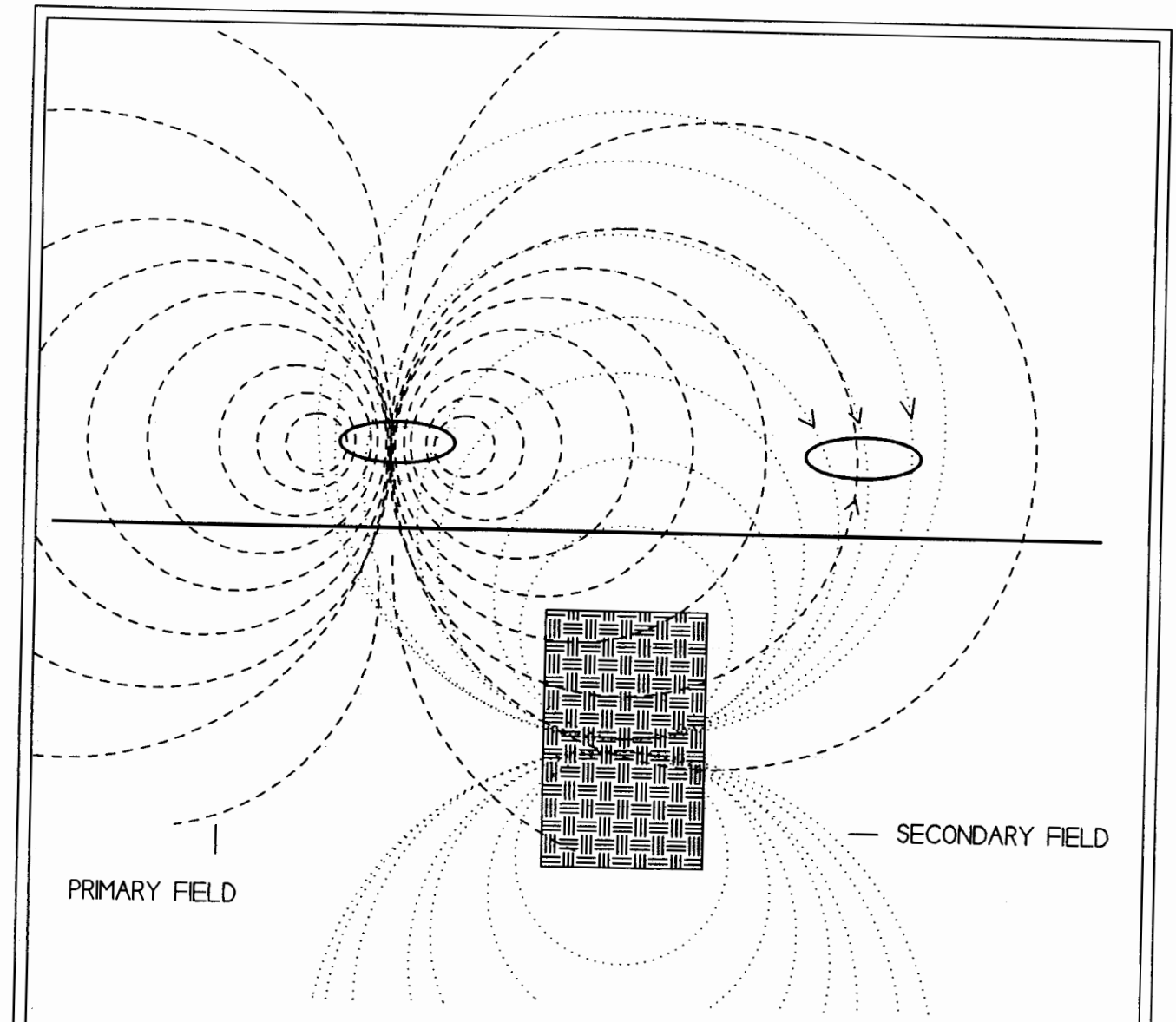


Figure 1. HLEM source field. The field from the transmitter loop produces an oscillating vertical magnetic dipole. This induces a secondary field in a conductive body in the earth. At the receiver coil, both the primary field and secondary field are received.

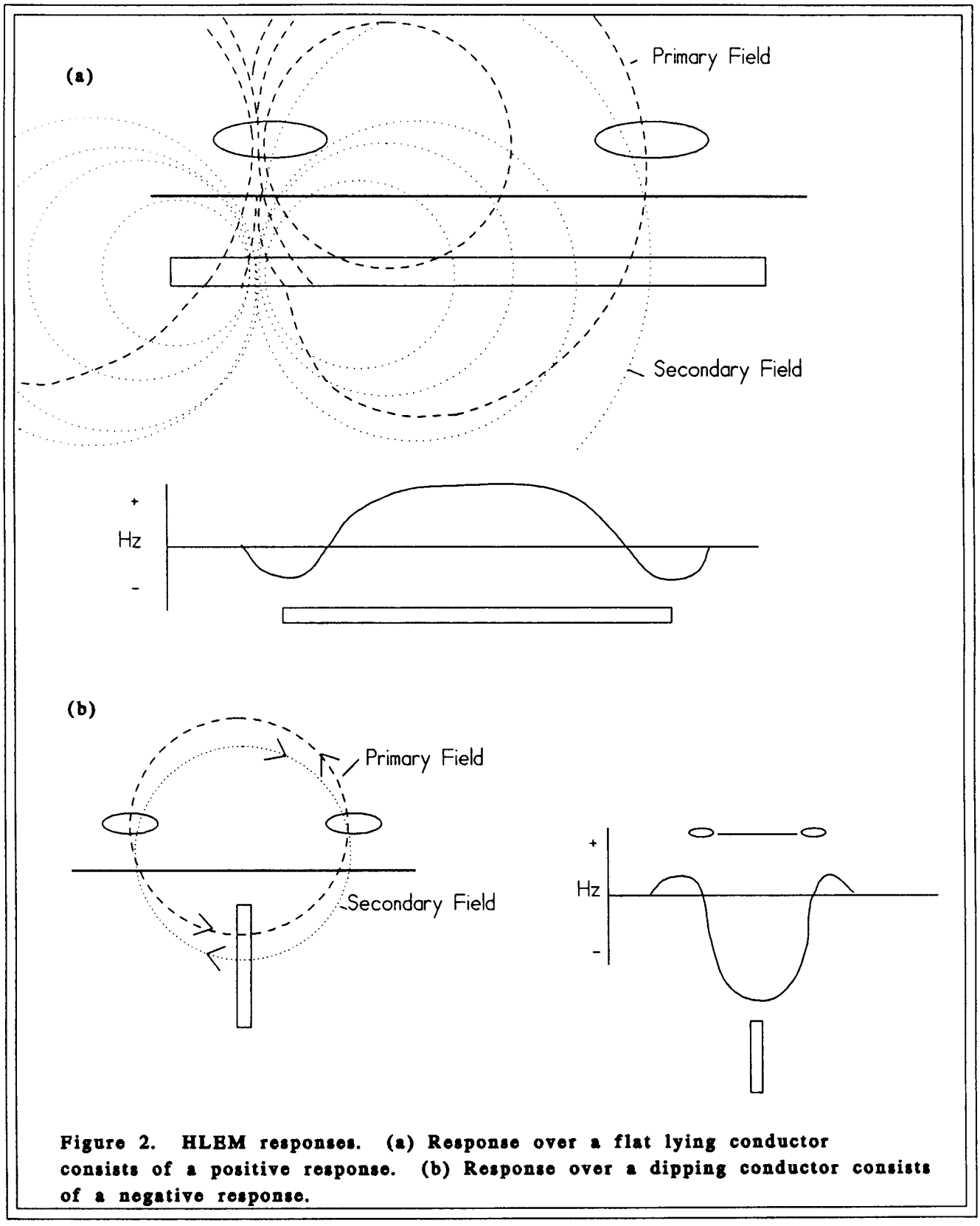


Figure 2. HLEM responses. (a) Response over a flat lying conductor consists of a positive response. (b) Response over a dipping conductor consists of a negative response.

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

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

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

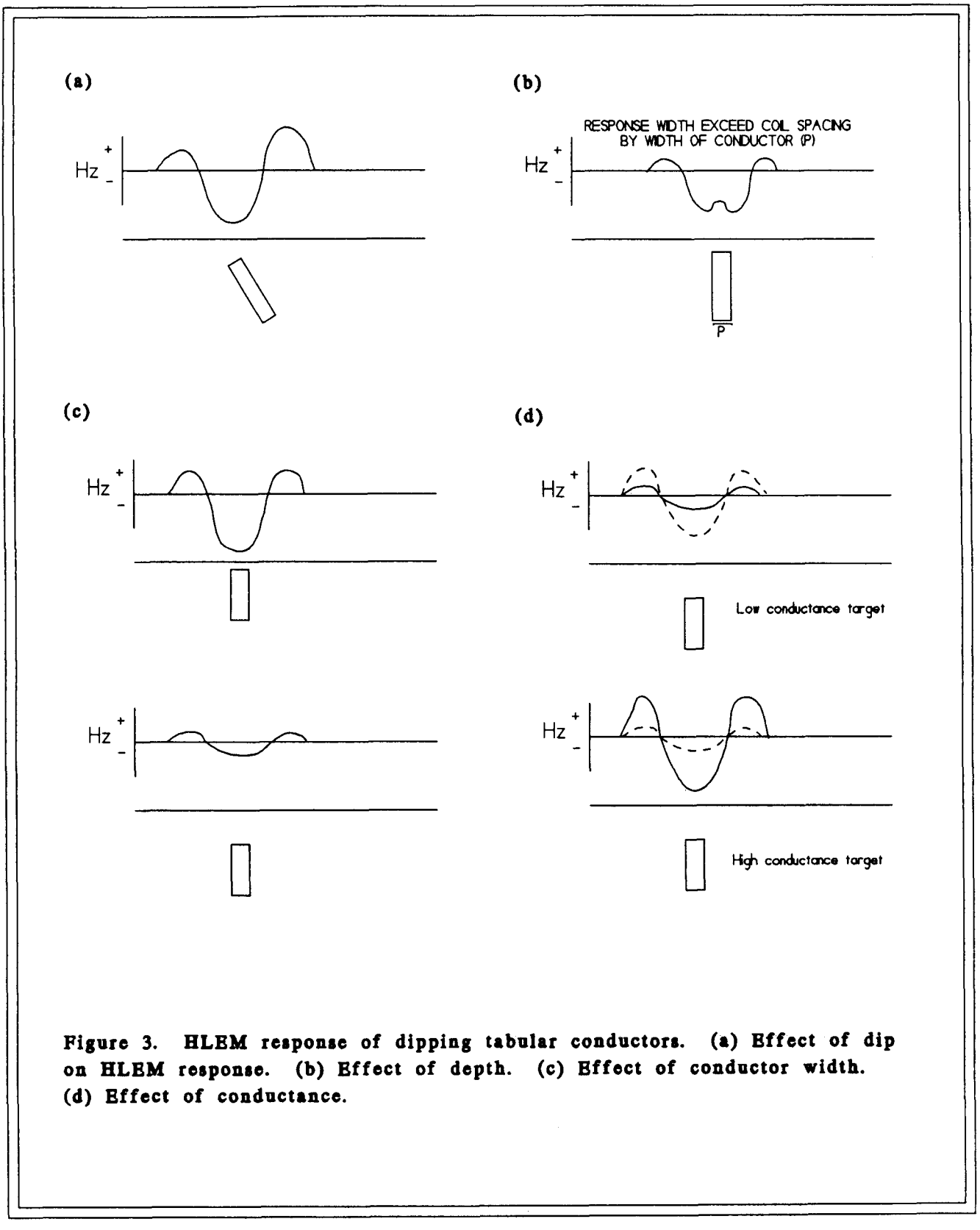


Figure 3. HLEM response of dipping tabular conductors. (a) Effect of dip on HLEM response. (b) Effect of depth. (c) Effect of conductor width. (d) Effect of conductance.

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

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

4.0 MAGNETIC FIELD INTERPRETATION PROCEDURES

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

5.0 SURVEY PROCEDURES

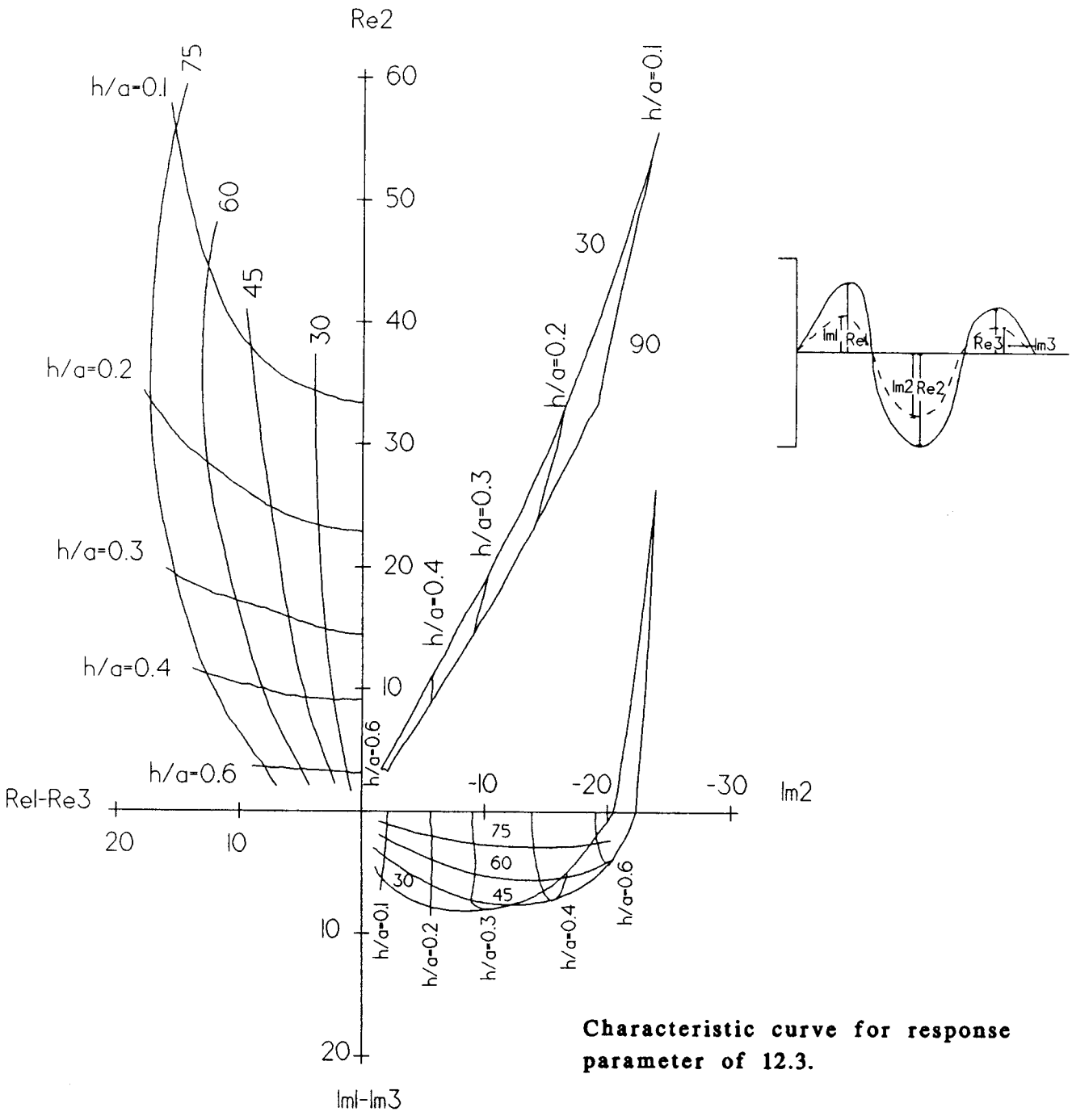
The geophysical surveys were performed with the following instruments:

HLEM instruments

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

Magnetic field instruments

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



Characteristic curve for response parameter of 12.3.

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

Other

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

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

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

6.0 DATA PRESENTATION AND FORMATS

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

Line Station UTM_Easting UTM_Northing Corr_mag

For the HLEM data, the common format is:

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

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

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

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

11.0 HAT TRICK PROPERTY

Ground total magnetic field surveys and horizontal loop electromagnetic field (HLEM) surveys were conducted on the Hat Trick Property between July 1-13, July 26-31 and on August 25, 1996. The surveys were conducted by C. Lee, P. Chidgzey, C. Cowan and M. Power.

11.1 Survey specifications

A complex cut grid consisting of 37.4 line-km with a mean base line azimuth of 150° was centred over a recessive mineralized linear and several proximal soil geochemical anomalies. Parts of the grid were straight chained (not slope corrected) while others were slope corrected. Stations were picketed with tagged survey lathe and the base line was slope corrected. The HLEM survey covered 21.1 line-km and the magnetic field survey covered 37.4 line-km of this grid. The surveys were conducted using the standard specifications described in section 5.0

11.2 Data

The survey grid location was registered to UTM NAD27 coordinates using a grid map provided by the project geologist and a best-fit to several differential GPS locations of points on the grid.

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 HAT TRICK section. The following figures display the data collected on this property:

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

11.3 Results and interpretation

Seven conductors defined by similar line-to-line anomalous responses were detected by the HLEM survey. These are labelled **HT-1** to **HT-7** on the plots. All responses appear to be caused by thin tabular conductors of variable dip. Conductances were calculated using the 3520 Hz responses. The conductors are discussed in turn.

Anomaly **HT-1** extends from line 11200N to 12200N and strikes roughly NW. The responses along this conductor consist of negative quadrature and lesser amplitude in-phase responses, some of which are distorted by nearby conductor responses. Interpreted conductor parameters for those responses on **HT-1** which can be interpreted are summarized below:

Apex location	Depth to top (m)	Dip / dip direction	Excess width (m)	Conductance (S)
L11500N 10150E	33-53	75-90 grid W	0	2.2
L11600N 10160E	20	not interpretable	0	0.6
L111800N 10125E	18	not interpretable	0	0.4

Anomaly **HT-2** extends from line 12600N to 13600N, strikes NW and consists of negative in-phase and quadrature responses except on line 12600N where only a negative quadrature response is recorded. Interpreted conductor parameters for those responses on **HT-3** which can be interpreted are summarized below:

Apex location	Depth to top (m)	Dip / dip direction	Excess width (m)	Conductance (S)
L12800N 8925E	25	not interpretable	0	1.3
L13000N 8850E	15	not interpretable	0	0.6
L13200N 8650E	15	60° grid E	0	1.8
L13400N 8575E	22	vertical	0	1.9
L13600N 8725E	18	vertical	0	0.5

Anomaly **HT-3** extends from line 12300N to 12600N, strikes NW and consists of negative quadrature responses at high frequency. The conductance of this target is likely quite low given the absence of any in-phase response and no conductor

parameters were interpreted.

Anomaly **HT-4** extends from line 12100N to 12200N and strikes roughly NW. The responses along this conductor consist of negative quadrature and in-phase responses. Interpreted conductor parameters for those responses on **HT-4** which can be interpreted are summarized below:

Apex location	Depth to top (m)	Dip / dip direction	Excess width (m)	Conductance (S)
L12100N 9050E	55	not interpretable	0	4.5
L12200N 8975E	55	75-90° grid W	0	1.9

Anomaly **HT-5** extends from line 13000N to 13200N, strikes NW and consists of frequency invariant negative in-phase responses and virtually no quadrature responses. This unusual response could be caused by a non-conductive target of high magnetic susceptibility or be a serious coil control problem. The latter is unlikely as the response is continuous over two lines and may extend to line 13400N and the terrain in the area, while steep, is of constant slope. The electrical conductance of this target is likely quite low given the absence of any change in-phase response and no conductor parameters were interpreted.

Anomaly **HT-6** extends from line 13400N to 13600N, strikes NE and consists of negative quadrature responses with lesser in-phase responses at high frequency. The conductance of this target is likely quite low given the low in-phase response. Interpreted conductor parameters for the response on **HT-6** which can be interpreted are summarized below:

Apex location	Depth to top (m)	Dip / dip direction	Excess width (m)	Conductance (S)
L13600N 9500E	18	not interpretable	7	<0.63

Anomaly **HT-7** extends from line 11800N to 11900N, strikes NNE and consists of negative quadrature responses at high frequency. The conductance of this target is likely quite low given the absence of any in-phase response and no conductor parameters were interpreted.

The conductor axes are plotted together with the magnetic field data in Figure HT-1. A prominent magnetic field high with relief in the order of 1500 nT extends from line 11200N to 12200N. Conductor **HT-7** is in the centre of this magnetic response. Conductors **HT-1** to **HT-6** are located in areas of low magnetic relief. An isolated 200 nT magnetic field high is associated with an intersection on **HT-2** at line 13200E 8650N.

Available geological data indicates rocks in the area strike NW and dip to the NE. The magnetic high is associated with a recessive linear gossan hosting anomalous base metal geochemical values. The magnetic high may also encompass a layer of greenstones lying above the recessive linear. Conductor **HT-7** lies within the magnetic high but its target conductances are below the range expected for volcanogenic massive sulphide occurrences. Zinc-rich massive sulphide layers have very low electrical conductances however and the low conductance of this target must be viewed in this context. Conductor **HT-1** lies stratigraphically below the interval containing the greenstones and the mineralized horizon in a unit mapped as gneissic feldspar porphyry. Conductors **HT-2** through **HT-5** appear to lie stratigraphically beneath the recessive mineralized horizon associated with the linear.

11.4 Conclusions

Conductor **HT-7** lies within the magnetic field anomaly associated with the greenstone and the recessive mineralized horizon beneath it. This conductor is of interest despite the low electrical conductances given the highly anomalous values in zinc recorded in geochemical surveys. Conductors **HT-2** through **HT-4** appear to be segments of a larger conductor which may be structurally disrupted by NE trending faults. The anomaly at line 13200E 8650N is of particular interest on this trend given the associated positive magnetic field anomaly. Conductor **HT-5** may be associated with a reversed magnetized feature indicated by a coincident prominent magnetic field low.

16.0 CONCLUSION

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

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

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

Respectfully submitted
AMEROK GEOSCIENCES LTD.

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REFERENCES CITED

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.

+ 6787400N
409500E

+ 6787400N
411500E

LEGEND

Conductance (3620 Hz)

- ⟩ 50 S
- 20 – 50 S
- 5 – 20 S
- 1 – 5 S
- ⟨ 1 S
- CONDUCTANCE UNKNOWN
- CONDUCTOR AXIS

Depth (m)
15
0
Excess width (m)

N

59400.00
59349.97
59299.97
59249.97
59199.97
59149.97
59099.98
59049.98
58999.98
58949.98
58899.98
58849.98
58799.98
58749.98
58699.98
58649.98
58599.98
58549.99
58499.99
58449.99
58399.99
58349.99
58299.99
58249.99
58199.99
58150.00
58100.00
58050.00
58000.00
57950.00
57900.00

CONTOUR INTERVAL: 100 nT

0 metres 200

SCALE: 1:7500

EXPATRIATE RESOURCES LTD.

HATTRICK PROPERTY

NTS: 105 G/2
(Grid registered to UTM Datum NAD 27)

TOTAL MAGNETIC FIELD SURVEY

CONTOUR MAP

FIG. HT – 1

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1

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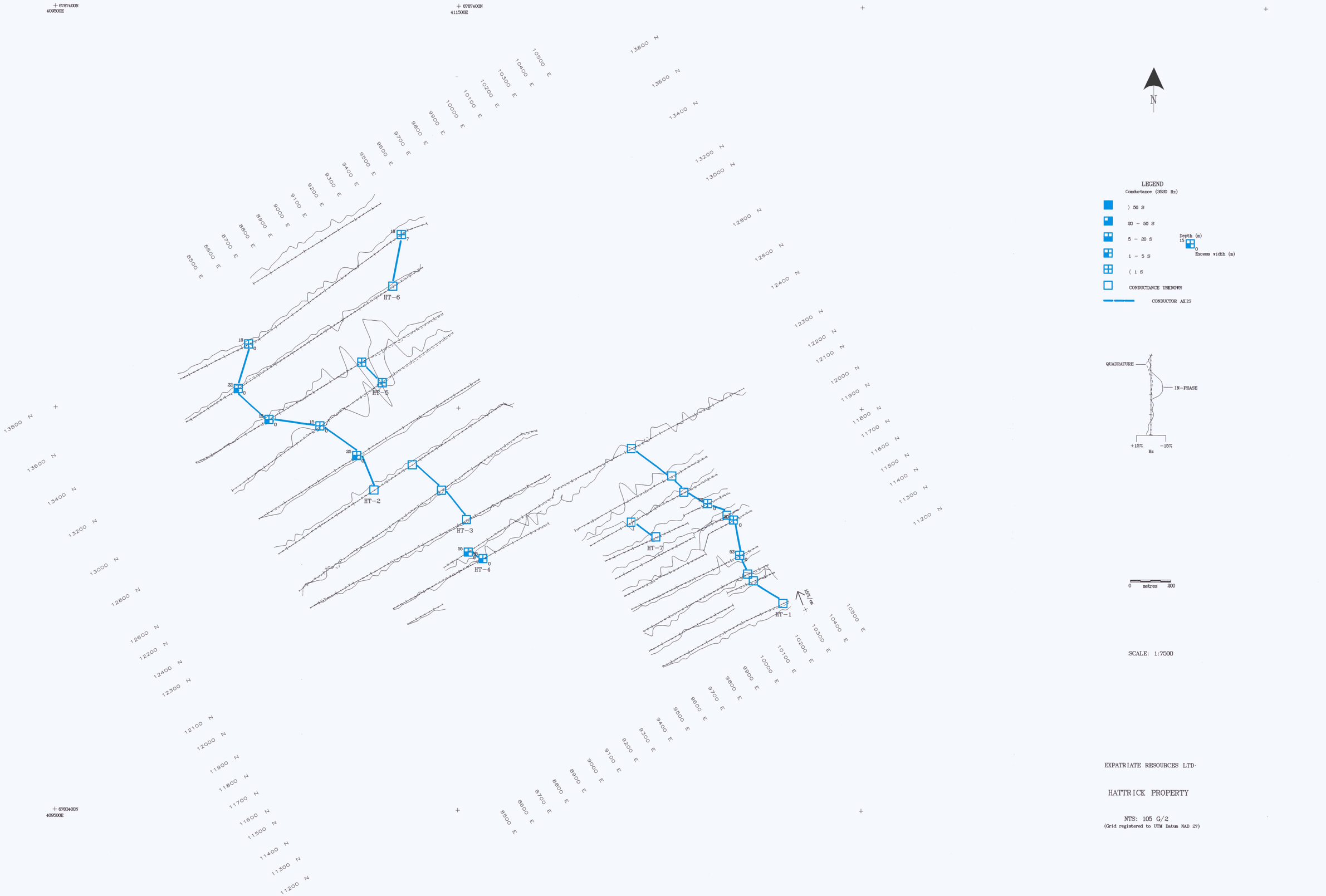

EXPATRIATE RESOURCES LTD.

HATTRICK PROPERTY

NTS: 105 G/2
(Grid registered to UTM Datum NAD 27)

MAXMIN I-9 SURVEY
100 m COILS - 220 Hz

STACKED PROFILES

FIG. HT - 2

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093620

(2)

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FIG- HT - 3

093620

STACKED PROFILES

MAXMIN I-9 SURVEY
100 m COILS - 880 Hz

NTS: 105 G/2
(Grid registered to UTM Datum NAD 27)

HATTRICK PROPERTY

EXPATRIATE RESOURCES LTD.

SCALE: 1:7500

0 metres 200

LEGEND

Conductance (S&S Rz)

-) 50 S
- 20 - 50 S
- 5 - 20 S
- 1 - 5 S
- (1 S

Depth (m) — Excess width (m)

CONDUCTANCE UNKNOWN

CONDUCTOR AXIS

QUADRATURE

IN-PHASE

+15% -15%

Rz

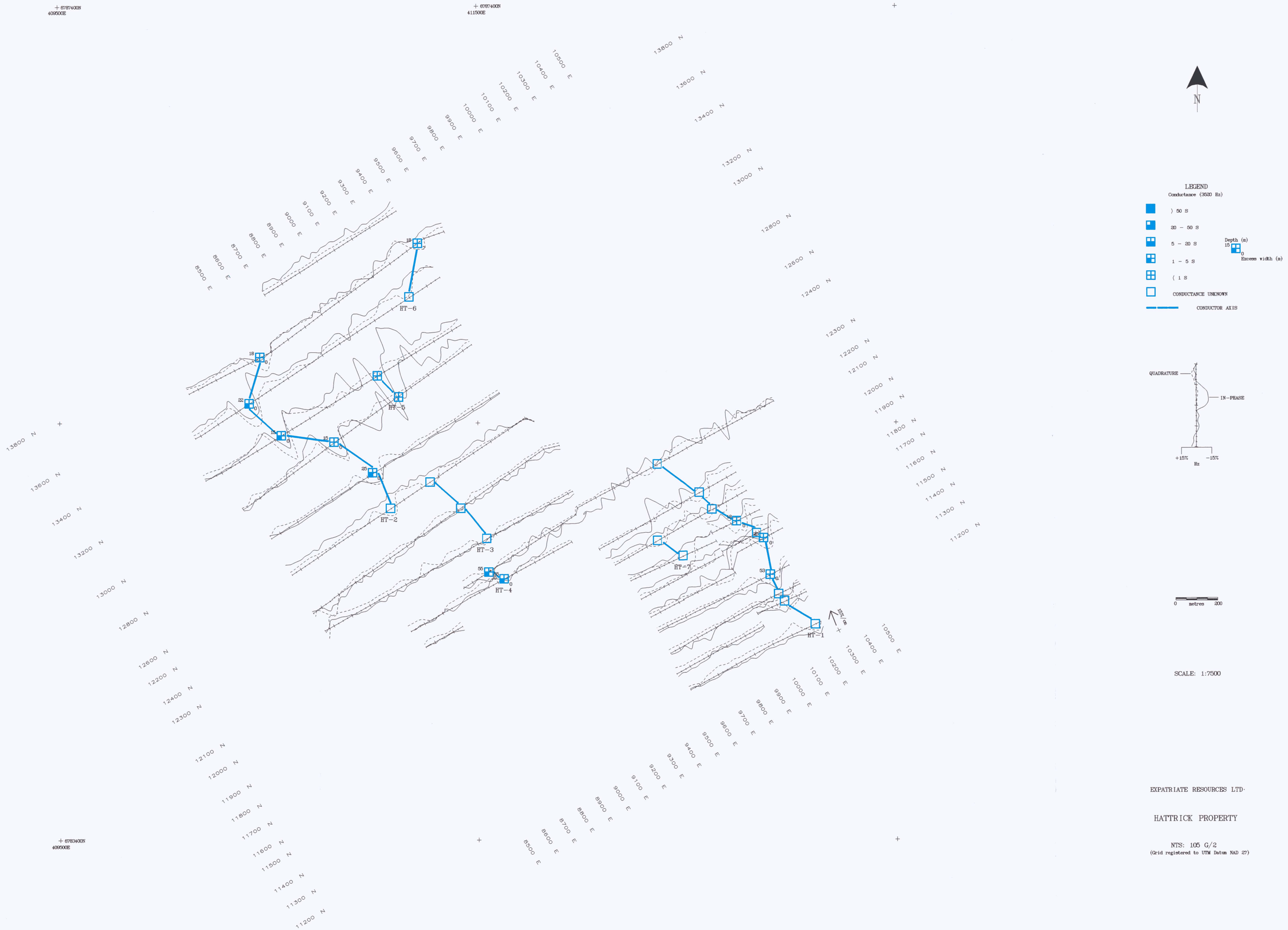
N

HT-1 HT-2 HT-3 HT-4 HT-5 HT-6 HT-7

+ 6783400N
4095000E

+ 6787400N
4115000E

+ 6787400N
4085000E



EXPATRIATE RESOURCES LTD.

HATTRICK PROPERTY

NTS: 105 G/2
(Grid registered to UTM Datum NAD 27)

MAXMIN I-9 SURVEY
100 m COILS - 3520 Hz

STACKED PROFILES

093620

FIG. HT - 4

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4

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APPENDIX III

REPORT DESCRIBING GEOLOGIC MAPPING AND DRILLING ON THE HAT TRICK 1-16, 28-40, 51-57, 59, 61-66, 75-86, 91-96, 103-114, 127, 156-158 AND 215-218 CLAIMS

BY LEE C. PIGAGE

JANUARY, 1997

REPORT

describing

GEOLOGIC MAPPING and DRILLING

on the

HAT TRICK 1-16, 28-40, 51-57, 59, 61-66, 75-86, 91-96, 103-114, 127, 156-158, and 215-218 CLAIMS

Hat Trick 1- 16 YB59061-YB59076
Hat Trick 28 - 40 YB59088-YB59100
Hat Trick 51 - 52 YB59941-YB59942
Hat Trick 53 - 57 YB63578-YB63582
Hat Trick 59 YB63584
Hat Trick 61 - 66 YB59943-YB59948
Hat Trick 75 - 86 YB60444-YB60455
Hat Trick 91 - 96 YB60460-YB60465
Hat Trick 103 -114 YB60472-YB60483
Hat Trick 127 YB63598
Hat Trick 156 - 158 YB63627-YB63629
Hat Trick 215 - 218 YB63686-YB63689

Latitude 61°11'N; Longitude 130°37'W

NTS 105G/2

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
January, 1997

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SUMMARY

During the 1996 field season an integrated exploration program consisting of airborne electromagnetic and magnetic geophysics, ground Maxmin and magnetometer geophysics, regional gridded soil sampling and claim tagging, detailed gridded soil sampling, geologic mapping, prospecting, and diamond drilling was conducted on the Hat Trick property.

Geologic mapping defined a northwest trending, metamorphosed sequence of interbanded calcitic marbles, muscovite-biotite schists, carbonaceous quartzites, greenstones, and felsic volcanics intruded by a foliated hornblende±biotite diorite. The metasediments and metavolcanics are correlated with the lower and middle units of the Paleozoic metasediments in the Yukon-Tanana terrane. Intrusion of the diorite is also considered to have occurred in Paleozoic time.

All stratigraphic units contain two pervasive deformation fabrics. The S1 pervasive cleavage is subparallel to S0 bedding. The S2 crenulation cleavage is axial planar to a tight, overturned, southwest verging D2 synform which plunges gently to the southeast. Lithologic units and structural vergences are symmetrical across the axial trace of the synform. Late east-west trending faults having an apparent sinistral offset ranging up to 130 m displace the D2 axial trace.

Soil geochemical anomalies are associated with a recessive, medium to coarse grained, pyritic quartz-muscovite schist (QSSH) exposed on the northeast, overturned limb of the mapped D2 synform. Surface exposures of the schist range from 10 m to 30 m in thickness. The QSSH unit on the overturned limb could be traced for a strike length of 2,000 m; strong soil anomalies for lead, copper, and zinc are associated with the QSSH unit for the entire strike length. Enclosing greenstones and felsic volcanics for the QSSH unit locally contain disseminated magnetite.

Prospecting in 1995 along the best exposure of the QSSH unit resulted in the discovery of float boulders containing massive sulphides and baritic massive sulphides. An HLEM Maxmin conductor axis with a strike length of 150 m was identified for this same area in 1996.

Five drill holes successfully intersected the QSSH unit on three cross sections through the northeast overturned limb of the D2 synform. Total depth drilled with the five holes was 998.22 m. Drilling tested the QSSH horizon for a strike length of 400 m; maximum downdip extent tested was 210 m. Mineralized intersections from the 1996 program indicate that the extent and continuity of mineralization decreases in the downdip direction. Best mineralized intersections from the 1996 drilling program are contained in the following table:

Best mineralized intersections - 1996 Hat Trick Drilling Program.

Drill Hole	From (m)	To (m)	Interval (m)	Unit	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)
HT96-01	100.24	116.59	16.35	QSSH	743	1287	3262	5.9
	**101.62	102.43	0.81	QSSH	3460	2460	1.56 %	20.2
HT96-02	166.50	169.89	3.39	QSSH	312	565	1618	2.4
HT96-03	80.30	87.57	7.27	QSSH	1185	3453	6437	11.9
	**83.03	54.57	1.54	QSSH	280	7650	1.53 %	25.2
HT96-03	97.39	114.20	16.81	mixed	763	825	2202	2.2
	**108.49	109.91	1.42	MBSH	881	1020	8540	3.0
HT96-04	75.87	83.37	7.50	QSSH	1149	215	1462	2.4
HT96-04	90.22	95.56	5.34	BCSH	487	107	2795	1.5
HT96-05	174.67	179.46	4.79	QSSH	266	829	1109	4.4
HT96-05	190.85	192.78	1.93	QSSH	550	224	2030	1.2
HT96-05	201.07	202.80	1.73	QSSH	115	728	1700	2.0

Composites calculated using length weighting of sample intervals.
** Higher grade interval within the larger composite

The QSSH unit does not extend further northwest because of the D2 synform fold closure. Extension of the unit to the southeast is open beyond the limit of mapping. Outcrop in the interval of the upright limb of the D2 synform where the QSSH unit is expected is extremely sparse; it is uncertain if the QSSH unit is present on the upright limb.

The QSSH unit has been tentatively interpreted as an altered felsic volcanic. Alteration is marked by an apparent increase in iron with a concomitant decrease in silica and sodium. Primary plagioclase in the unit is replaced by muscovite. The unit contains disseminated sphalerite, chalcopyrite, and galena in patches and lenses associated with quartz and pyrite. Mineralization extends slightly into the stratigraphic footwall and hanging wall of the QSSH unit.

These different data suggest that for the strike length tested by the 1996 drilling, the QSSH unit represents an altered marginal fringe to a sulphide deposit of unknown size. The majority of the deposit has been eroded. The QSSH unit, however, remains a viable target for the remaining strike length since volcanogenic deposits typically consist of stacked and overlapping sulphide lenses within an overall favorable stratigraphy.

The following recommendations are made for continued exploration on the Hat Trick property.

1) Detailed geologic mapping on the Hat Trick property should be extended to the southeast. The primary goal of the mapping should be to trace the QSSH horizon along strike to the southeast. The southeast extension of this horizon represents a preferred exploration target because it is in the down plunge direction of the D2 synform.

Detailed geologic mapping should also be extended into the southwest geologic domain (as defined in this report). Specifically the presence or absence of the QSSH horizon in this domain should be determined.

2) Reconnaissance geologic mapping on the Hat Trick property should be extended to the northwest. Mapping should ascertain that the structural plunge remains dominantly southeast and that the northern portion of the claims contains stratigraphic units older than the QSSH horizon.

3) Reconnaissance geologic mapping should be extended to the east to try to tie in the Hat Trick geology with the geology of the Fyre Lake mineral camp. Initial descriptions of the Fyre Lake mineralization suggests that it may be occurring in a stratigraphic interval older than the QSSH horizon. If so, then the northern portion of the claims should be more closely evaluated for mineralized horizons.

4) Drill testing of the QSSH horizon should be continued for the entire 2,000 m strike length presently defined. Drilling should be completed on sections spaced at 150 m or 200 m intervals. This would require a minimum of 7 drill holes. Drill pads should be placed to intersect the QSSH horizon at a downdip extent exceeding 50 m below surface. This exclusion of shallow drill hole intersections is based on the general absence of airborne HEM and ground HLEM conductors along the defined strike length of the QSSH unit.

5) Two or more drill holes should be completed in the upright limb of the D2 synform to determine the presence or absence of the favorable QSSH horizon. The interval containing the appropriate stratigraphy is covered by extensive grassy slopes which would probably mask any geochemical signature if the QSSH horizon were present.

INTRODUCTION

The Hat Trick property consists of 396 contiguous mineral claims owned 100% by Expatriate Resources Ltd. The first 50 claims were staked in March 1995 to cover several soil and silt sample sites with moderately to strongly anomalous lead, zinc, and copper values from a 1973 exploration program . An additional 346 claims were staked between June 1995 and February 1996.

The property was considered to be favourable for VMS (volcanogenic massive sulphide) type mineralization within rocks of the Yukon-Tanana terrane. Field work conducted in 1995 discovered a prominent recessive linear zone with significant lead-zinc-silver-copper±gold mineralization and coincidental strongly anomalous soil geochemical values and aeromagnetic response.

During the 1996 field season an integrated exploration program consisting of airborne electromagnetic and magnetic geophysics, ground Maxmin and magnetometer geophysics, regional gridded soil sampling and claim tagging, detailed gridded soil sampling, geologic mapping, prospecting, and diamond drilling was conducted on the property. This report summarizes the results of the 1996 geological mapping and drilling programs which were completed on the Hat Trick 1-16, Hat Trick 28-40, Hat Trick 51-57, Hat Trick 59, Hat Trick 61-66, Hat Trick 75-86, Hat Trick 91-96, Hat Trick 103-114, Hat Trick 127, Hat Trick 156-158, and Hat Trick 215-218 claims. The author supervised the geologic mapping and drilling work described in this report; a statement of qualifications is included as Appendix I.

LOCATION and ACCESS

The Hat Trick property is located in southeast Yukon at latitude 61° 11' N and longitude 130° 37' W (Figure 1) in the Watson Lake Mining District. It consists of 396 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 located in the Pelly Mountains immediately west of Fire Lake and northeast of the Tintina Trench in NTS map sheets 105G/2 and 105G/7 (Figure 2). Elevations range from 1,100 m asl in the valley bottoms to 1,900 m asl along ridge crests. Topographic relief is gentle over valley bottoms but steepens significantly at higher elevations. Upper slopes are incised by numerous cirques.

Creeks draining the property flow into the Black River and the North River; these rivers are tributaries of the Liard River drainage.

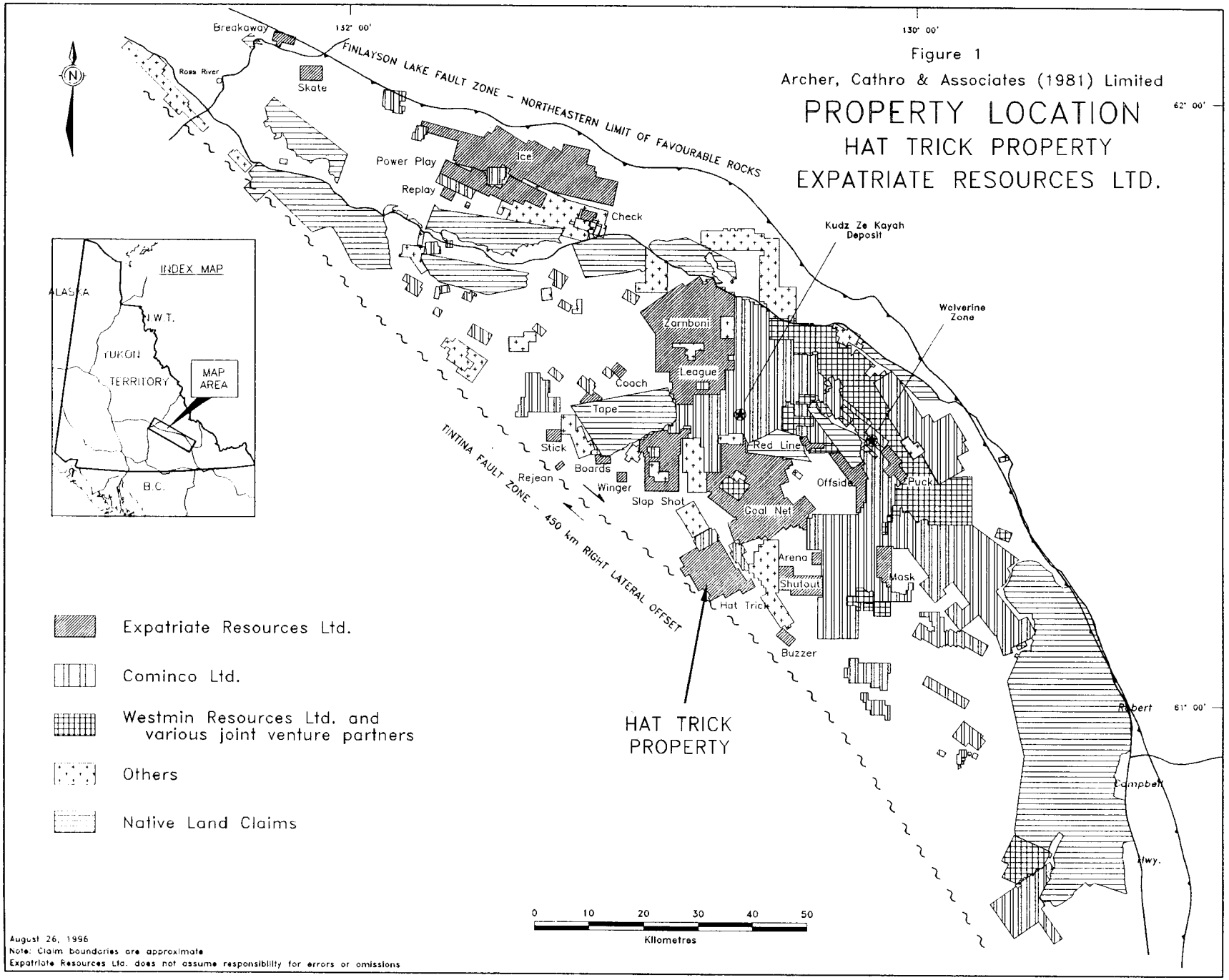
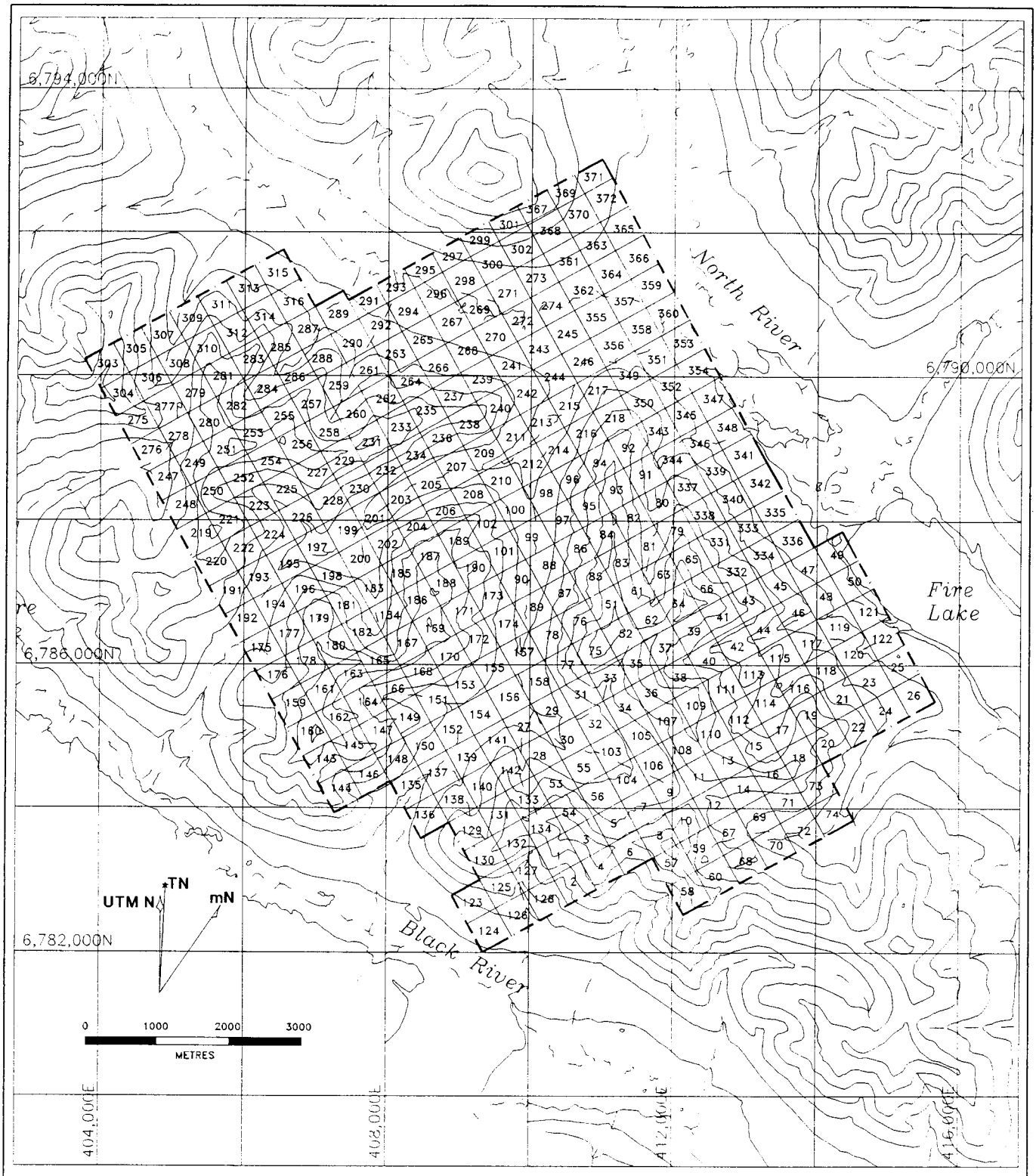


Figure 1
Archer, Cathro & Associates (1981) Limited
PROPERTY LOCATION
HAT TRICK PROPERTY
EXPATRIATE RESOURCES LTD.
INDEX MAP
ALASKA
N.W.T.
YUKON TERRITORY
MAP AREA
B.C.
Expatriate Resources Ltd.
Cominco Ltd.
Westmin Resources Ltd. and various joint venture partners
Others
Native Land Claims
FINLAYSON LAKE FAULT ZONE - NORTHEASTERN LIMIT OF FAVOURABLE ROCKS
TINTINA FAULT ZONE - 450 km RIGHT LATERAL OFFSET
HAT TRICK PROPERTY
Breakaway
Skate
Ross River
Power Play
Replay
Ice
Check
Kudz Ze Kayah Deposit
Wolverine Zone
Zamboni
League
Coach
Tape
Stick
Boards
Rejean
Winger
Slap Shot
Red Line
Offside
Puck
Goal Net
Arena
Shutout
Mask
Hat Trick
Buzzer
132° 00'
130° 00'
62° 00'
61° 00'
Robert
Campbell
Hwy.
0 10 20 30 40 50
Kilometres
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*
Hat Trick 1-50	YB59061 - YB59110	March 17, 2004
Hat Trick 51-52	YB59941 - YB59942	March 17, 2004
Hat Trick 53-60	YB63578 - YB63585	March 17, 2001
Hat Trick 61-74	YB59943 - YB59956	March 17, 2004
Hat Trick 75-114	YB60444 - YB60483	March 17, 2000
Hat Trick 115-274	YB63586 - YB63745	March 17, 2001
Hat Trick 275-302	YB63902 - YB63929	March 17, 2001
Hat Trick 303-330	YB63746 - YB63773	March 17, 2001
Hat Trick 331-372	YB70275 - YB70316	March 17, 2001
Hat Trick 373-396	YB76906 - YB76929	March 17, 2001

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



Claim margin

Figure 2

Archer, Cathro & Associates (1981) Limited

CLAIM LOCATION

HAT TRICK PROPERTY

EXPATRIATE RESOURCES LTD.

SCALE: 1:30,000	FILE: HTCLMLIM.DWG	
DRAWN: LCP	PROJ:FP	DATE: 30/11/1996

Treeline on the claims is at approximately 1,500 m asl. Vegetation consists of dense stands of black spruce, willow, and alder near valley bottoms changing to stunted balsam, buckbrush, and willow and eventually alpine grass and lichen with increasing elevation.

During the 1996 field season access to the property was by contract helicopter from the base camp located on the the southeast end of Finlayson Lake. The Finlayson Lake base camp was situated 50 km north of the property. The Hat Trick property is located 28 km south of the Cominco Kudz Ze Kayah deposit and exploration camp.

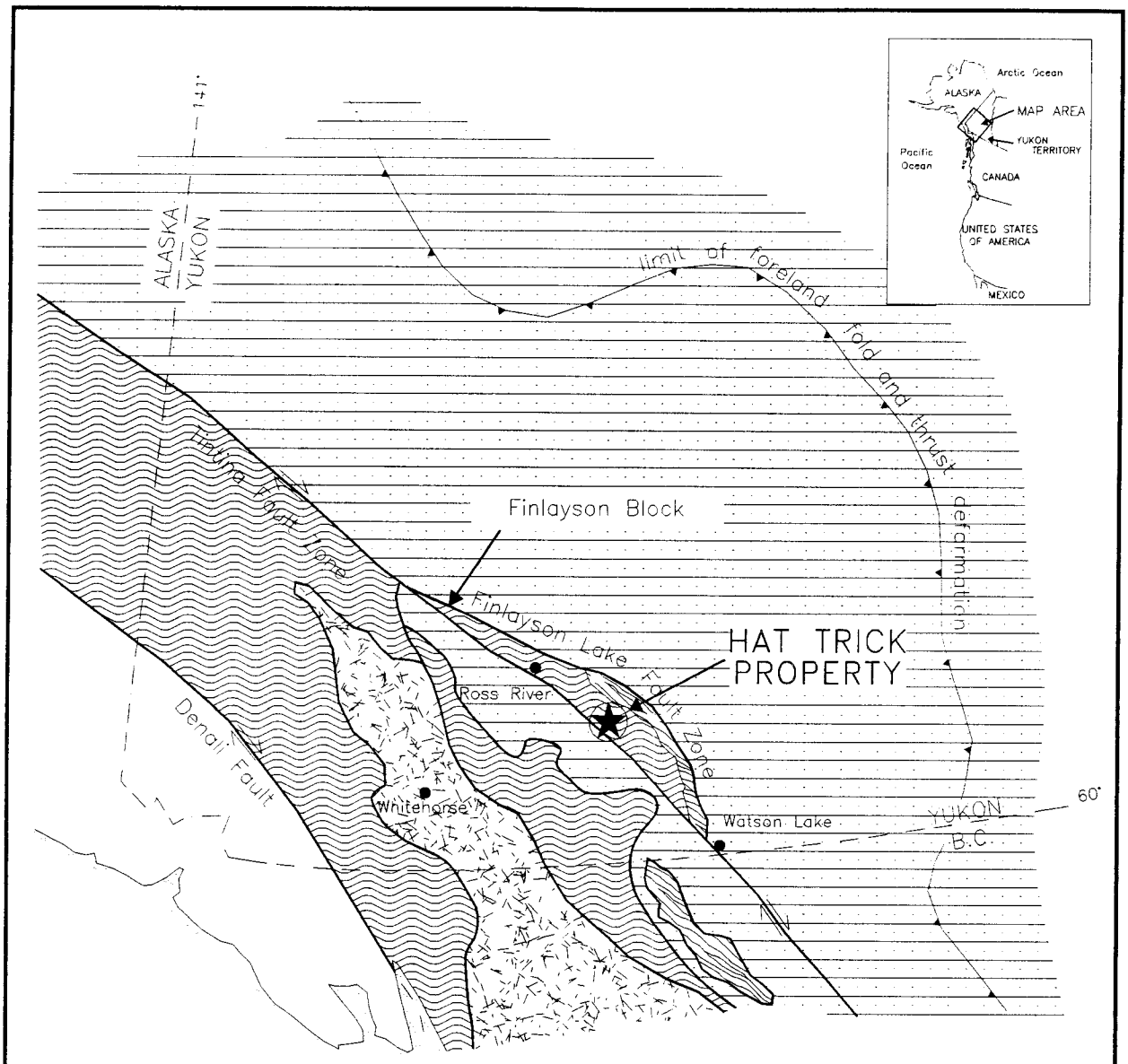
REGIONAL GEOLOGY

The Hat Trick 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 Block 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 Block 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 middle unit has consistently resulted in late Devonian to Mississippian crystallization ages (Mortensen, 1992). The upper unit is dated with fossils as Early Pennsylvanian to early Permian (Tempelman-Kluit, 1979).

This sequence of units in the Yukon-Tanana terrane is generally correlative with a similar stratigraphic sequence in ancestral North America (Mortensen and Jilson,1985;



Fault

Yukon–Tanana Terrane

Slide Mountain Terrane

Stikinia and other Terranes

North American Miogeoclinal Strata

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

Figure 3

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TECTONIC SETTING

HAT TRICK PROPERTY

EXPATRIATE RESOURCES LTD.

0 100 200 300 400

KILOMETRES

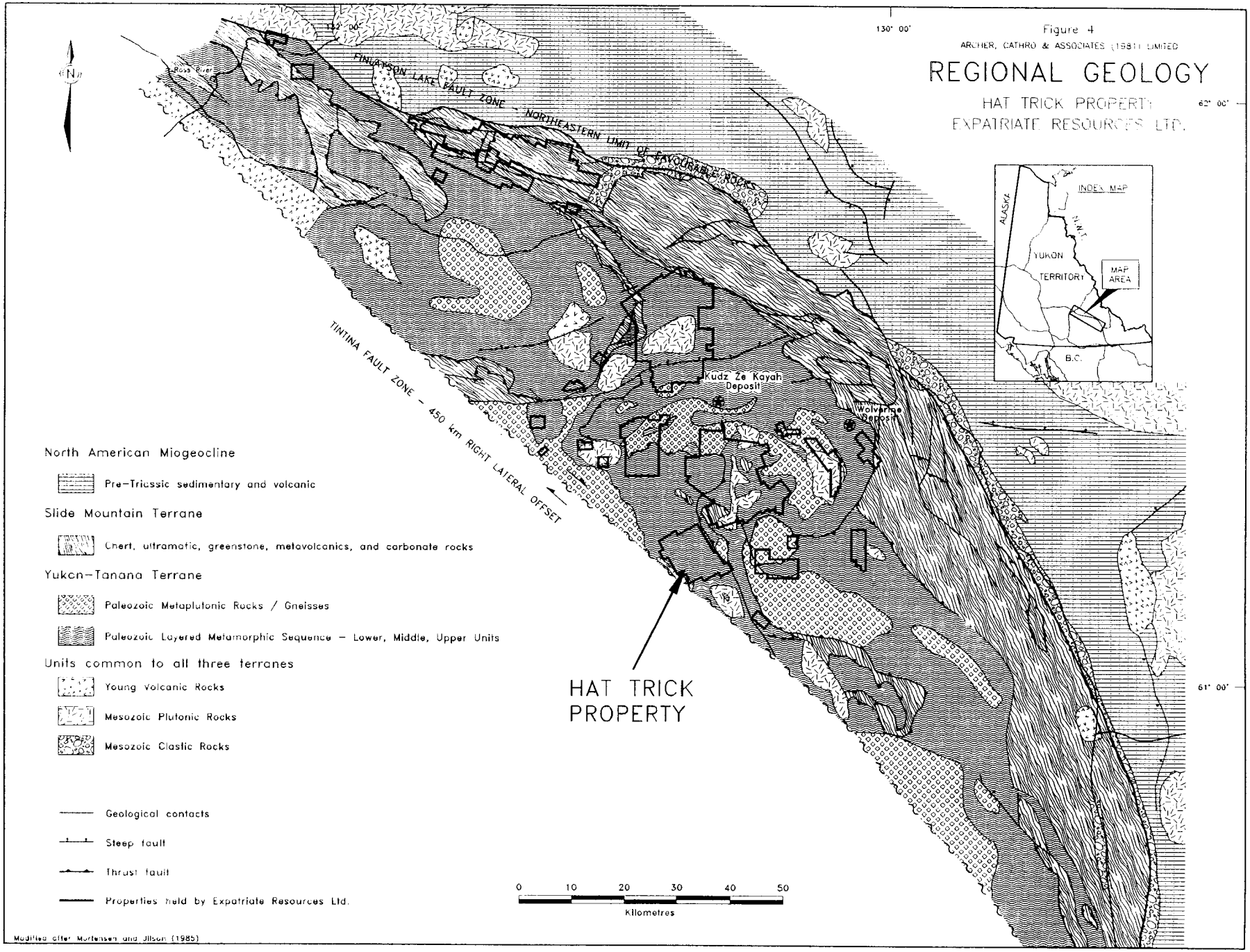


Figure 4
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
REGIONAL GEOLOGY
HAT TRICK PROPERTY
EXPATRIATE RESOURCES LTD.
132° 00'
130° 00'
62° 00'
61° 00'
N
Ross River
FINLAYSON LAKE FAULT ZONE - NORTHEASTERN LIMIT OF FAVOURABLE ROCKS
TINTINA FAULT ZONE - 450 km RIGHT LATERAL OFFSET
Kudz Ze Kayah Deposit
Wolverine Deposit
HAT TRICK PROPERTY
INDEX MAP
ALASKA
YUKON TERRITORY
MAP AREA
B.C.
North American Miogeocline
Pre-Triassic sedimentary and volcanic
Slide Mountain Terrane
Chert, ultramafic, greenstone, metavolcanics, and carbonate rocks
Yukon-Tanana Terrane
Paleozoic Metaplutonic Rocks / Gneisses
Paleozoic Layered Metamorphic Sequence - Lower, Middle, Upper Units
Units common to all three terranes
Young Volcanic Rocks
Mesozoic Plutonic Rocks
Mesozoic Clastic Rocks
Geological contacts
Steep fault
Thrust fault
Properties held by Expatriate Resources Ltd.
0 10 20 30 40 50
Kilometres
Modified after Mortensen and Jilson (1985)

Tempelman-Kluit, personal communication, 1996). The lowermost unit is correlated with the Lower Cambrian Atan Group, and the middle carbonaceous assemblage is correlated with the offshelf Siluro-Devonian Nasina quartzite assemblage. The felsic volcanics in the middle unit 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) considered 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 volcaniclastic 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 consists of several unmetamorphosed Early Jurassic mafic and intermediate composition plutons. The second suite consists of Late Cretaceous two-mica quartz monzonite or 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 locally around plutonic units.

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 occurrences in the Finlayson Block which are suspected to be volcanogenic in origin.

PREVIOUS WORK

Published regional airborne magnetic surveys for the Finlayson Lake map sheet (105G) contain a strong linear magnetic high trending north-northwest extending for approximately 7 km over the southeastern part of the property (DMTS, 1961). The magnetic signature over the rest of the property is flat.

A small part of the Hat Trick property was staked in 1966 (Ant 1-6 claims) by Atlas Exploration Ltd. Atlas conducted geological mapping, prospecting, and ground magnetic and electromagnetic geophysics surveys on the claims. No mineralization or significant anomalies were identified, and the claims were allowed to lapse.

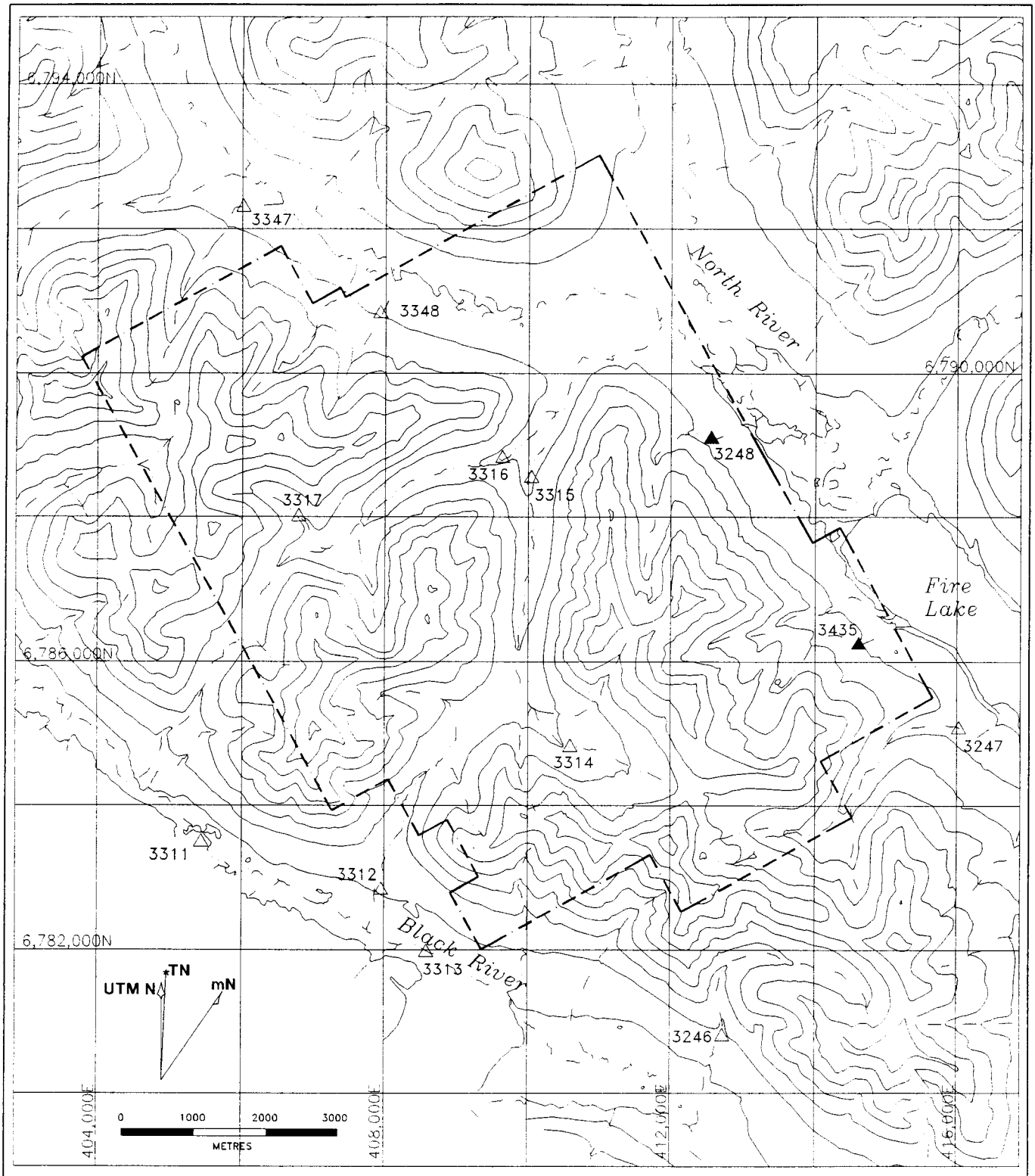
Published regional geochemical data for the Finlayson Lake map sheet (105G) are limited to reconnaissance scale stream sediment sampling conducted by the Geological Survey of Canada (Hornbrook and Friske, 1988). The sampling was completed at an approximate density of one sample per 10 sq km. Each sample was analyzed for twenty elements including copper, lead, zinc, silver, and arsenic. Seven samples from the database (Figure 5) were collected from the Hat Trick property (samples 3248, 3314, 3315, 3316, 3317, 3348, and 3435). Two samples from the ridge immediately west of Fire Lake were weakly anomalous in base metals; the remaining samples had background values.

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 5,000 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. Peak values from the 1973 data on the Hat Trick property were 310 ppm copper, 768 ppm lead, 1,490 ppm zinc, and 13 ppm molybdenum; these values correspond to strong anomalies for copper, lead, zinc, and molybdenum.

During the 1995 summer season, field exploration consisting of geologic mapping, prospecting and gridded soil sampling was conducted during the interval July 15-31 by a two-person crew working from a fly camp on the property (Wengzynowski, 1996).

The 1995 program identified a northwest trending sequence of interlayered quartz-biotite-muscovite schists, chlorite schists, metaquartzites, and quartz feldspar metaporphyries which dip steeply to the northeast. This sequence was correlated with the middle unit of the Yukon-Tanana terrane. The entire sequence was intruded by a medium grained, locally porphyritic, biotite quartz monzonite.

One pyritic quartz-muscovite schist horizon identified during the 1995 field program forms a recessive linear zone ranging from 10 m to 30 m in thickness and extending for a strike length of approximately 2,000 m. Typically this zone weathers to a pale yellow mud with local red gossans. The recessive zone is exposed at the head of a steep, northeast facing cirque for a 300 m strike length near its southernmost extent. Within this exposed interval, float pebbles to boulders consisting of medium to coarse grained, semi-massive sphalerite, galena, chalcopyrite, and pyrite associated with barite, quartz, and muscovite gangue were discovered weathering out of the schist. Assay values for samples collected from this zone contained peak values of 17.60% zinc, 5.68% lead, 4.00% copper, 302 grams/tonne silver, and 1.50 grams/tonne gold.



Claim margin

Regional geochemical sample – background values

Regional geochemical sample – anomalous values

Figure 5

Archer, Cathro & Associates (1981) Limited

REGIONAL GEOCHEMICAL STREAM SAMPLES

HAT TRICK PROPERTY

EXPATRIATE RESOURCES LTD.

SCALE:1:80,000	FILE: HTRGS.DWG		
DRAWN: LCP	PROJ:FP	DATE: 30/11/1996	

Weakly to strongly anomalous soil values for lead, copper, silver, molybdenum, and zinc are strongly coincident with the mineralized recessive horizon. Lead values were among the highest obtained by Archer Cathro in the Finlayson Lake area. Anomalous values for these metals occur along the entire strike length of the recessive zone. The anomalous values also form a downslope dispersion train within the northeast facing cirque which contains the mineralized float.

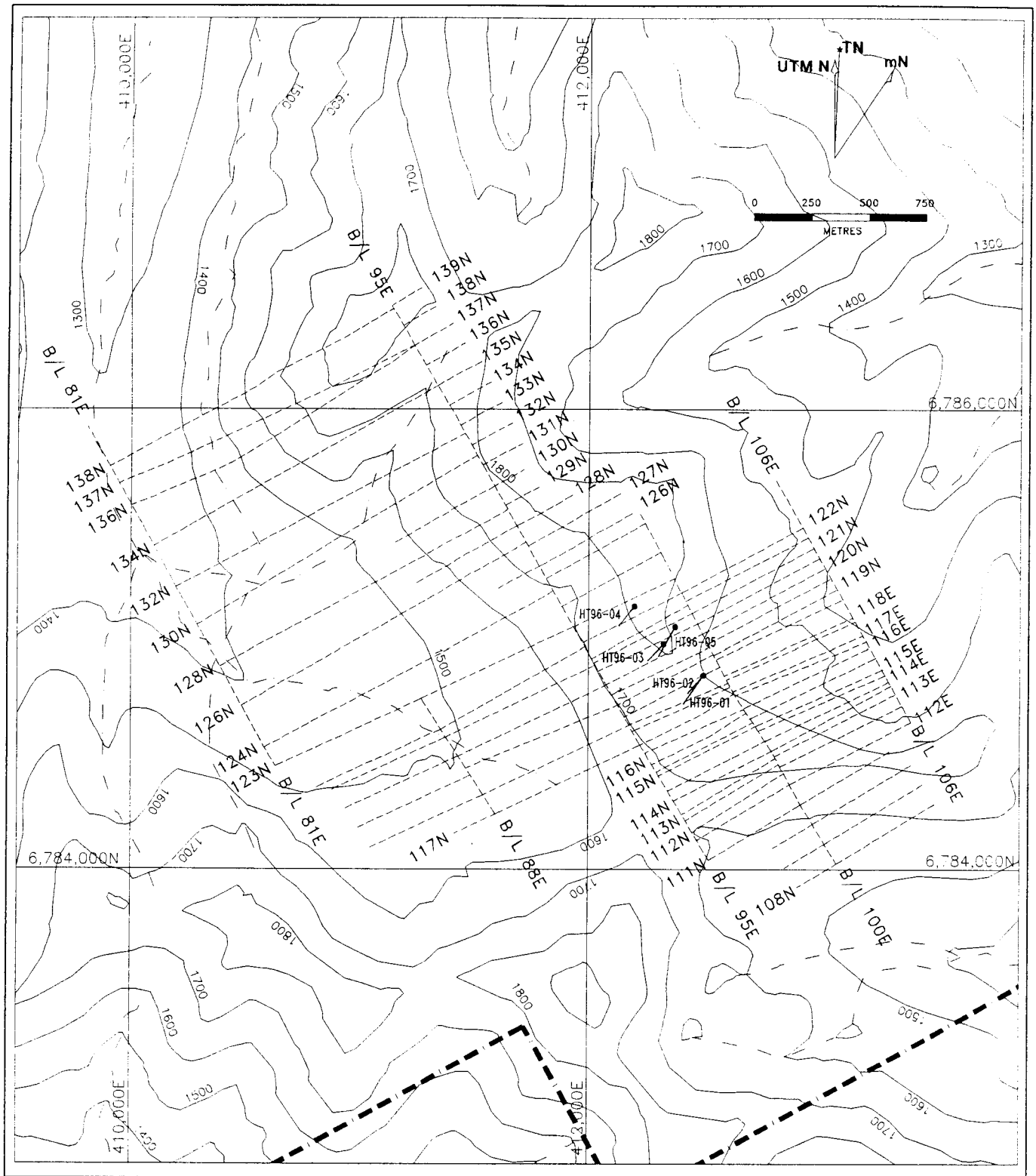
1996 FIELD PROGRAM

A helicopter airborne geophysical survey (HEM) was completed over the Hat Trick 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. The survey was flown with a line spacing of 200 m; major lines were flown in a northeast-southwest direction and tie lines were flown in a northwest-southeast direction. A total of 405 line-km was flown over the property. Details of the operating conditions and resulting maps are contained in Woolham (1996). Flight path locations during the survey were calibrated using a GPS instrument updated every second.

This airborne survey over Hat Trick identified numerous northwest trending magnetic anomaly trend patterns (Woolham, 1996). Most of the higher amplitude magnetic horizons occur on the southern and northeastern portions of the property. The survey further outlined 15 poor to medium conductivity EM anomalies within generally resistive rocks. These anomalies trend northwest and occur in the same general area as the higher amplitude magnetic horizons. Six of the fifteen conductors are coincident with magnetic horizons, and a further six have a general spatial association with magnetic trends.

The Aerodat HEM data was further evaluated by Amerok Geosciences Ltd. using the same weighting techniques developed for evaluating the Dighem HEM survey on the League property (Power, 1996). Estimated conductances on the Hat Trick property are low, and apparent resistivities are relatively high. Power identified thirty-three separate EM conductors. Four general areas containing ten conductors were considered to be of particular interest; these areas are all located on the northeastern and southern portions of the property. A relatively weak EM conductor (A-26) with a crudely coincident positive magnetic response generally corresponds to the recessive linear horizon with mineralized float discovered during the 1995 exploration program.

Ground geophysical surveys consisting of 37.4 line-km of ground total magnetic field surveys and 21.1 line-km of Maxmin HLEM surveys were completed by Amerok in three portions of the 1996 geochemical-geophysical grid (Figure 6) during the time



Claim margin

HT96-01 1996 Diamond drill hole

1996 Geochemical/geophysical grid

Figure 6

Archer, Cathro & Associates (1981) Limited

1996 GRID

HAT TRICK PROPERTY

EXPATRIATE RESOURCES LTD.

SCALE:1:25,000	FILE: HTGRID.DWG	
DRAWN: LCP	PROJ:FP	DATE: 02/01/1997

interval July 1-13, 26-31, and August 25, 1996 (Lee and Power, in preparation). Seven EM conductors were detected by the HLEM survey. All responses appear to be caused by thin, tabular conductors of variable dip. One of the anomalies (HT-7) is coincident with a significant magnetic high and is associated with the recessive gossanous horizon containing anomalous base metal geochemical soil values.

During the 1996 field season, claim posts were tagged and soil sampling completed along claim lines. Results of this work are discussed elsewhere (in preparation).

Gridded soil sampling was completed on parts of the same cut grid used for the ground geophysical surveys (Figure 6). Parts of the grid were straight chained while portions were slope corrected. Samples were collected at one hundred metre intervals along each of the cut lines. Sample stations were picketed with 0.5 m lath bearing aluminum tags inscribed with the grid coordinates and the soil sample number. Baselines were picketed in a similar fashion using 1.0 m lath. Results of this work are presented elsewhere (in preparation).

Between July 03 - August 12, 1996 a Val D'or fly drill was mobilized onto the Hat Trick property to test the recessive, pyritic quartz-muscovite schist horizon with coincident soil anomalies, mineralized float, and geophysical conductors outlined in the 1995 and 1996 field programs. A total of 998.22 m was drilled in five NQ diamond drill holes. All holes were inclined toward the southwest to be approximately orthogonal to the structural trend. All five holes successfully intersected the target horizon. 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 were 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.

Fourteen core samples of representative rock types were forwarded to Vancouver Petrographics Ltd. for verification of mineral modes and structural features. The report from Vancouver Petrographics Ltd. (Payne, 1996) is included as Appendix IV. Eleven 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.

At the same time geologic mapping was completed during the interval June 15 - August 25, 1996 to help delineate the drill targets. Geologic mapping in the immediate vicinity of the drill collars was completed at a field scale of 1:2,000.

Location control for this detailed mapping was accomplished using compass and hip chain from the 1995-1996 geophysical-geochemical grid. Outcrop extents, locations of selected claim posts and soil sample pickets, and locations of the 1996 drill hole collars were recorded as part of the mapping. Locations of selected stations were verified using a differentially corrected, hand-held GPS unit.

Away from the immediate drilling area geologic mapping was completed at a field scale of 1:10,000 using enlarged copies of the 1:50,000 NTS map sheet for location control. Outcrop extents, locations of selected claim posts and soil sample pickets, and locations of geological stations were recorded as part of the mapping. Selected locations were checked using a differentially corrected, hand-held GPS unit.

All the different 1996 information was digitized into Autocad r12 drawings. The topographic base for the Autocad drawings was digitally scanned from the 1:50,000 scale NTS map sheets 105G/2 Fire Lake and 105G/7 Grass Lakes.

1996 SURVEY CONTROL

Drill hole pads, drill hole collars, claim posts, selected cut line grid locations, and selected geology stations were surveyed using hand-held GPS instrument units. The GPS positions were differentially corrected using different base stations based on availability of base station data. The primary base station consisted of a recording station operated by Westmin Resources Limited at their exploration camp located on Wolverine Lake. Additional base stations were utilized when the Wolverine Lake base station data were not available. All corrected positions should be accurate to within five metres horizontally. Locations are reported in UTM coordinates using NAD27 coordinates. Appendix V contains GPS information for the Hat Trick claims from the 1996 field season. Airborne geophysical information is also reported relative to NAD27 UTM coordinates.

The 1996 cut line geophysical/geochemical grid has been "floated" into the UTM coordinate system by utilizing selected grid locations measured with GPS units as control for cut line locations (Figure 6). In the southeastern portion of the claims, the grid location overlaps with the earlier 1995 geochemical grid. The two grids in this area are not coincident; figure 6 only shows the location of the 1996 grid.

PROPERTY GEOLOGY

INTRODUCTION

The area mapped on the Hat Trick property (Figures 7, 8) can be divided into two geological domains. The boundary between the two domains consists of a steep fault which trends northwest-southeast; displacement on the fault is uncertain but does not appear to be large. Limited information is known about the southwest domain because only two traverses were completed in that area. All the drilling and most of the traverses were completed in the northeast domain. The 1995-1996 geochemical/geophysical surveys were also dominantly in the northeast domain. Lithologic units and structural deformation features are consistent between the two domains.

Mesoscopic and microscopic textural features indicate the area mapped contains two pervasive phases of deformation. The D1 deformation is delineated by a pervasive S1 foliation-schistosity which is subparallel to the S0 bedding. No conclusive D1 folds were noted in the mapped area. In contrast, numerous D2 minor folds are mappable in outcrop in both geologic domains. The S2 spaced crenulation cleavage is axial planar to the D2 minor folds. Vergence sense for D2 minor structures is consistent and reverses across macroscopic D2 fold axial traces; lithologic units also display mirror symmetry across macroscopic D2 fold axial traces.

The southwest domain consists of a uniformly south dipping sequence of thinly banded marbles, carbonaceous quartzites, amphibolites and chloritic phyllites, muscovite-biotite phyllites and schists, and felsic volcanics. The entire sequence is underlain by a medium grained, equigranular, foliated hornblende$\pm$biotite diorite. Locally the pelites contain garnet; in one locality fibrolite was noted in the schist immediately adjacent to the diorite. Vergence indicators and the general stratigraphic sequence indicate the structural-stratigraphic package is structurally upright.

The northeast domain contains the same interbanded chloritic phyllites, carbonaceous quartzites, felsic volcanics, and muscovite-biotite schists and phyllites noted in the southwest domain. As with the southwest domain, the structurally lowest unit is the foliated hornblende$\pm$biotite diorite.

Structurally the northeast domain is characterized by the occurrence of a large northwest trending, southwest verging, overturned, D2 synform. All stratigraphic units dip moderately to steeply to the northeast. The core of the D2 synform occurs immediately southwest of the recessive horizon containing the coincident geochemical and geophysical anomalies. The 1996 drilling was completed on the steeply northeast dipping, overturned limb of the D2 synform. The 1996 geophysical-geochemical grid encompasses both the upright and overturned limbs of the synform.

The following sections provide more detailed information on the stratigraphy, structure, and metamorphism of the area mapped on the Hat Trick property. Figure 7 presents the geology for the entire mapped area; figure 8 shows more detailed geology in the immediate vicinity of the 1996 drill holes.

STRATIGRAPHIC UNITS

CCMA (Thinly banded marble and muscovite-biotite schist)

The oldest stratigraphic unit mapped on the property consists of a brownish grey weathering, thinly banded, medium crystalline marble. The marble contains abundant thin silicate bands which locally constitute up to 80% of the unit. Typically the silicate bands have a greenish colour from metamorphic calc-silicate minerals (hornblende/actinolite and epidote?). The unit is strongly contorted and folded.

The CCMA marble occurs only in the southwest domain on the ridge at the southernmost extent of the area mapped. It occurs immediately above the foliated hornblende±biotite diorite. Xenoliths of this unit up to 0.5 m across commonly occur within the underlying diorite. On this ridge it is less than 20 m thick. Regional traverses by Tempelman-Kluit (personal communication, 1996) indicate this unit occurs extensively in the northern part of the claims.

Immediately overlying the marble is a rusty brown weathering, medium crystalline, micaceous quartzite to quartzose schist. Both muscovite and biotite are present in the unit.

These lithologies are tentatively correlated with the lowermost unit of the Yukon-Tanana Paleozoic metasediments (Mortensen and Jilson, 1985).

GRQZ (Carbonaceous Quartzite)

Structurally and stratigraphically overlying the calcareous unit is a dark grey, indistinctly bedded, carbonaceous, micaceous quartzite to siltstone. Outcrops weather to silvery grey with a patchy rust brown surface coat on bedding and foliation surfaces. Locally this unit contains interbeds of a thinly banded (1-40 cm), light and dark orthoquartzite. Typically the orthoquartzite has an aggregate thickness of less than 20 m. In the northern part of the map area a thin (1 m thick), white calcitic marble unit was noted within the carbonaceous quartzite; calcareous units were not common within this unit.

The carbonaceous quartzite is equivalent to the metaquartzite unit mapped in 1995. It is tentatively correlated with the middle unit of the Yukon-Tanana Paleozoic

ROCK UNITS

CCMA	Calcitic marble and muscovite–biotite schist
BCSH	Biotite–chlorite schist (greenstone) **-A** lower horizon **-B** upper horizon
GRQZ	Carbonaceous quartzite
MBGN	Muscovite–biotite gneiss (felsic volcanic) **-A** lower horizon **-B** upper horizon
MSRH	Rhyolite (felsic volcanic) **-A** rusty marker horizon
QSSH	Quartz–muscovite schist (felsic volcanic)
MBSH	Muscovite–biotite schist
HBDI	Hornblende diorite
GRPG	Granite pegmatite

0 200 400 600
METRES

UTM N

6,788,000N
6,786,000N
6,784,000N
410,000E
412,000E
414,000E

Outcrop	Geological contact
Claim margin	Unknown structure
Mapping limit	Fault
D2 synform trace	
S1 foliation–overturned	
S1 foliation–upright	

Figure 7
Archer, Cathro & Associates (1981) Limited

PROPERTY GEOLOGY

HAT TRICK PROPERTY

EXPATRIATE RESOURCES LTD.

SCALE:1:20,000	DWG: HTGEOLPR.DWG	
DRAWN: LCP	PROJ:FP	DATE:04/01/1997

ROCK UNITS

CCMA	Calcitic marble and muscovite–biotite schist
BCSH	Biotite–chlorite schist (greenstone)
-A	lower horizon
-B	upper horizon
GRQZ	Carbonaceous quartzite
MBGN	Muscovite–biotite gneiss (felsic volcanic)
-A	lower horizon
-B	upper horizon
MSRH	Rhyolite (felsic volcanic)
-A	rusty marker horizon
QSSH	Quartz–muscovite schist (felsic volcanic)
MBSH	Muscovite–biotite schist
HBDI	Hornblende diorite
GRPG	Granite pegmatite

UTM N.A. TN MN

0 50 100 150 METRES

Outcrop
Claim posts – located in field
Claim line
Claim margin
Mapping limit
D2 synform trace
Geological contact
Fault
HLEM conductor (ground – Amerok)
S1 foliation–overturned
S1 foliation–upright
S2 foliation
L2 lineation
L3 lineation

Figure 8
Archer, Cathro & Associates (1981) Limited

DETAILED GEOLOGY
HAT TRICK PROPERTY
EXPATRIATE RESOURCES LTD.

SCALE:1:5,000	DWG: HTGEOLDT.DWG	
DRAWN: LCP	PROJ:FP	DATE:17/01/1997

metasediments (Mortensen and Jilson, 1985). The overall thickness of this unit is unknown; thickness estimates are complicated by the occurrence of mappable subunits.

The carbonaceous quartzite contains interbands of biotite-chlorite phyllite (BCSH) and felsic volcanics (MSRH, MBGN). Typically these interbedded units occur in clusters of thin to medium thin beds. Locally they are thick enough to be mapped as separate units; several of these units will be discussed further below.

BCSH (Biotite-chlorite phylite)

Biotite-bearing chloritic phyllites (BCSH) occur at different stratigraphic levels on the Hat Trick property. Mapped occurrences of this unit are correlated with the middle unit of the Paleozoic Yukon-Tanana metasediments (Mortensen and Jilson, 1985). The chloritic phylite is typically pale olive green. Biotite occurs as disseminated grains and streaks and may constitute up to 10% of the unit. Locally the phyllite is calcareous with calcite occurring as small grains disseminated in the matrix and as thin white veinlets subparallel to the S1 foliation. Minor thin epidote-rich bands occur locally. Relict igneous textures occur only rarely in this unit; flow textures were not observed in outcrop. Petrography (Payne, 1996) of three samples indicates the mineralogy is dominated by plagioclase, hornblende, and calcite with lesser quartz, chlorite, epidote, ilmenite, and apatite. The unit is typically strongly banded between plagioclase-rich and mafic-rich intervals with bands being generally less than 1 cm in thickness.

Table 2 contains whole rock analyses and CIPW norms for three BCSH samples. Inspection of the CIPW norms and the analyses indicates sample N110287 is the least altered, and sample C30006 is the most altered. Alteration appears to marked by a decrease in calcium and sodium with a concomitant increase in potassium, silica, and volatiles (LOI). The least altered sample has an analysis typical for a basaltic composition. The BCSH units are considered to be basaltic flows and/or dykes.

Two separate chloritic phyllite units have been differentiated and mapped on the Hat Trick property (Figure 7). The lowermost unit (BCSH-A) forms a thick unit entirely within the carbonaceous quartzite unit; it outcrops extensively on the two northernmost ridges of the mapped area. Regional mapping by Tempelman-Kluit (personal communication, 1996) indicates that it outcrops extensively on the ridges north of the mapped area. The dark green hornblende amphibolite mapped in the southwest geologic domain has also been correlated with BCSH-A. This correlation is based largely on the stratigraphic position of the amphibolite just above the CCMA calcitic marble unit; the same stratigraphic relationship has been mapped on the northern portion of the property (Tempelman-Kluit, personal communication, 1996). A structural thickness has not been calculated for this unit.

Table 2. XRF whole rock analyses for mafic volcanics - Hat Trick property

XRF Whole Rock Analyses

Drill Hole	HT96-03	HT96-03	HT96-03
Depth (m)	35.33-37.49	71.00-72.54	87.57-91.92
Interval (m)	2.16	1.54	4.35
Sample No.	N110287	N110289	C30006
Unit	BCSH	BCSH	BCSH
SiO2 %	46.58	50.40	53.24
TiO2 %	2.05	2.20	2.31
Al2O3 %	15.00	15.83	15.29
*Fe2O3 %	10.71	11.52	10.68
MnO %	0.16	0.17	0.21
Cr2O3 %	0.00	0.00	0.00
MgO %	5.29	7.76	5.77
CaO %	11.58	4.51	1.04
Na2O %	3.46	2.64	0.34
K2O %	1.33	2.56	3.51
P2O5 %	0.35	0.30	0.32
LOI %	3.62	1.85	5.70
Total %	100.13	99.74	98.41
Ba ppm	145	330	2130
Rb ppm	20	56	102
Sr ppm	340	104	28
Nb ppm	12	12	12
Zr ppm	183	207	219
Y ppm	26	36	32

*Fe2O3 - total iron as Fe2O3

CIPW Norms**

Sample	N110287	N110289	C30006
Mineral	Wt %	Wt %	Wt %
Quartz			24.42
Corundum		1.23	10.51
Zircon	0.04	0.04	0.05
Orthoclase	8.24	15.64	22.65
Albite	17.96	23.06	3.14
Anorthite	22.48	21.21	3.93
Nepheline	6.87		
Diopside	29.22		
Hypersthene		29.17	28.27
Olivine	8.73	2.96	
Magnetite	1.63	1.73	1.69
Ilmenite	4.07	4.31	4.78
Apatite	0.87	0.74	0.89
Total	100.11	100.10	100.33

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

A second greenstone unit (BCSH-B) forms the immediate stratigraphic footwall (and structural hanging wall) to the recessive horizon drilled in the 1996 exploration program. Typically this unit is a locally calcareous, olive green, biotite-chlorite phyllite. Occasionally it has a felted texture with rosettes of actinolite forming small clusters on the S1 and S2 foliation surfaces. Cross section interpretation gives an apparent structural thickness of 50 to 75 m for this unit. BCSH-B contains minor interbeds of felsic volcanics (MBGN or MSRH), especially near the margins.

MBGN and MSRH (Felsic volcanics)

Felsic volcanic units occur at multiple levels in the Hat Trick stratigraphy. The felsic volcanics are considered to be part of the middle unit of the Paleozoic Yukon-Tanana metasediments (Mortensen and Jilson, 1985). They range in modal composition from muscovite-biotite schist to muscovite-biotite gneiss to aphanitic rhyolite. Petrographically the units consist largely of plagioclase and quartz with lesser muscovite, biotite, and K-feldspar (Payne, 1996). Locally fine grained magnetite is disseminated within the groundmass. Table 3 contains whole rock analyses and CIPW norms for three felsic volcanic samples. All three samples fall within the rhyolite compositional range.

The micaceous variant consists of a feldspar-quartz-muscovite-biotite gneiss to schist (MBGN). Biotite occurs as disseminated flakes in modal amounts ranging from less than 1% to 15% . More micaceous variants typically weather with a brownish rust colour. This micaceous variant was mapped in 1995 as quartz-biotite-sericite schist.

Less micaceous, more massive felsic volcanics (also MBGN) occur as thinly laminated, pinkish grey to creamy white outcrops. Biotite and muscovite are disseminated in minor amounts within the gneiss. Pink to cream plagioclase phenocrysts (1-5 mm across) constitute up to 5% of the unit. Outcrops weather as hard, angular blocks. This less micaceous unit was mapped in 1995 as quartz-feldspar metaporphyry.

Unit MSRH is the least micaceous felsic volcanic present on the Hat Trick property. It forms aphanitic to fine grained, light grey, light tan weathering, massive outcrops. Commonly the unit is extremely hard and breaks with a conchoidal fracture. Muscovite and biotite occur as disseminated grains in minor amounts; locally magnetite is present as a fine grey dust. During the 1995 program this variant was lumped with the quartz-biotite-sericite schist unit.

Three mappable felsic volcanic units have been differentiated on the Hat Trick property. The lowermost unit (MBGN-A) forms a thick sequence occurring on both the overturned and upright limbs of the D2 synform mapped on the Hat Trick property. This unit occurs totally within the GRQZ carbonaceous quartzite unit. Minor interbeds of BCSH chloritic phyllite and GRQZ carbonaceous quartzite occur

Table 3. XRF whole rock analyses for felsic volcanics - Hat Trick property

XRF Whole Rock Analyses

Drill Hole	HT96-01	HT96-01	HT96-01	HT96-03	HT96-01	HT96-03	HT96-05
Depth (m)	94.00-100.24	101.62-107.13	108.92-116.59	96.04-100.09	116.59-124.70	10.05-12.04	44.20-45.87
Interval (m)	6.24	5.51	7.67	4.05	8.11	1.99	1.67
Sample No.	C30001	C30002	C30003	C30008	C30004	N110288	N110290
Unit	QSSH	QSSH	QSSH	QSSH	MSRH	MBGN	MBGN
SiO2 %	57.56	52.03	62.50	57.56	71.96	71.65	72.58
TiO2 %	2.69	2.20	2.00	2.23	0.26	0.30	0.35
Al2O3 %	17.35	18.58	14.96	14.17	12.43	14.34	13.57
*Fe2O3 %	8.12	11.22	7.95	10.22	2.29	2.68	2.35
MnO %	0.48	0.04	0.04	0.07	0.08	0.06	0.04
Cr2O3 %	0.00	0.00	0.00	0.00	0.00	0.00	0.01
MgO %	0.94	0.87	0.62	2.14	0.63	2.07	0.48
CaO %	1.55	0.32	0.50	0.56	1.46	1.13	0.96
Na2O %	0.60	0.58	0.23	0.23	2.91	3.14	2.71
K2O %	5.27	5.80	4.77	4.46	4.32	3.29	5.95
P2O5 %	0.40	0.16	0.23	0.30	0.04	0.06	0.08
LOI %	3.75	7.28	5.87	6.75	1.87	1.30	0.62
Total %	98.71	99.08	99.67	98.69	98.25	100.02	99.70
Ba ppm	4060	5850	3780	2990	340	1655	1980
Rb ppm	166	148	108	112	82	118	188
Sr ppm	56	36	16	18	38	156	120
Nb ppm	16	12	8	10	48	10	10
Zr ppm	264	249	180	186	567	195	219
Y ppm	38	30	32	22	78	30	26

*Fe2O3 - total iron as Fe2O3

CIPW Norms**

Sample	C30001	C30002	C30003	C30008	C30004	N110288	N110290
Mineral	Wt %	Wt %	Wt %	Wt %	Wt %	Wt %	Wt %
Quartz	27.92	20.71	40.37	33.39	34.43	34.23	30.32
Corundum	9.00	11.79	9.42	9.27	0.39	3.61	0.96
Zircon	0.06	0.06	0.04	0.04	0.12	0.04	0.04
Orthoclase	33.12	37.82	30.33	29.01	26.58	19.79	35.65
Albite	5.39	5.41	2.09	2.14	25.60	26.98	23.19
Anorthite	6.49	2.20	2.03	1.67	7.37	5.80	4.87
Hypersthene	10.81	15.82	10.18	17.72	4.68	8.67	4.04
Magnetite	1.25	1.80	1.24	1.63	0.35	0.40	0.35
Ilmenite	5.42	4.60	4.08	4.65	0.51	0.58	0.67
Apatite	1.10	0.59	0.72	0.92	0.10	0.15	0.21
Total	100.57	100.79	100.51	100.43	100.14	100.25	100.29

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

within the MBGN-A unit. Both micaceous and quartzofeldspathic MBGN variants occur within the MBGN-A unit; interbanding is on a scale of 10 m or more.

The uppermost portion of this unit consists of an extremely hard, resistant, pale cream, siliceous rhyolite (MSRH-A). The MSRH-A rhyolite weathers with a distinctive bright orange-red surface coating. The unit is extremely fine grained; individual minerals are not visible. The distinctive reddish weathering colour is readily visible on the south wall of the northeast facing cirque containing the 1995 soil anomalies. This subunit has been traced northward to the ridge at the north limits of the 1996 map area. Rock and soil samples from this unit are not anomalous in base metals.

The uppermost mappable felsic unit (MBGN-B) occurs immediately west of the carbonaceous quartzite unit GRQZ. It forms the structural hanging wall (stratigraphic footwall) to unit BCSH-B. It was intersected in three of the 1996 drill holes (HT96-03, HT96-04, and HT96-05). Both micaceous and massive quartzofeldspathic variants of this felsic volcanic occur within this unit. It has a minimum structural thickness of approximately 90 m. Thin interbands of BCSH greenstone occur within the unit.

QSSH (Quartz-muscovite schist)

The recessive linear zone discovered during the 1995 exploration program consists of a coarsely crystalline, pyritic quartz-muscovite schist. Pyrite is disseminated within the unit as equant crystals up to 1 cm in size; locally pyrite content ranges up to 60% of the unit. This unit typically weathers as a pale yellow mud with local reddish orange gossans. No outcrop was encountered during the surface mapping. Surface exposures of the mud range from 10 to 30 m in thickness. Intervals of this unit in Hole HT96-05 are interbanded with finely crystalline MSRH, BCSH, MBGN, and MBSH. This unit forms the immediate structural footwall (stratigraphic hanging wall) to BCSH-B.

Table 3 contains whole rock analyses and CIPW norms for four samples of QSSH. The coarse grain size, unusual whole rock analyses, and CIPW norms suggest that QSSH is an altered variant of the felsic volcanic unit. This possibility is strengthened by the interbanding of QSSH with MSRH in drill hole HT96-05. Alteration appears to be marked by an increase in iron and a decrease in silica and sodium. Payne (1996) describes the alteration replacement of plagioclase by muscovite. He also notes that this alteration is accompanied by an increase in modal quartz. Petrographic samples of QSSH contain pyrite and lesser sphalerite lenses and patches concentrated in the

quartz-rich bands. Minor disseminated patches and grains of sphalerite, chalcopyrite, and galena occur interstitially to pyrite.

The recessive QSSH horizon is exposed only on the overturned northeast limb of the D2 synform. The appropriate area of the D2 upright limb is covered by grassy slopes with no outcrop exposures.

MBSH (Muscovite-biotite schist)

The uppermost unit exposed in the mapped area is a mixed unit consisting of muscovite-biotite schist (MBSH) with lesser thin interbands of aphanitic rhyolite (MSRH), muscovite-biotite gneiss (MBGN), biotite-chloritic phyllite (BCSH), and biotite schist (BISH). Individual bands of rhyolite and greenstone are typically less than 3 m thick although thicker intervals are locally present. Rhyolites include both micaceous and fine grained to aphanitic variants.

Petrographically the MBSH unit is dominated by muscovite, biotite, and plagioclase with variable amounts of quartz, epidote, chlorite, and garnet (Payne, 1996). Garnet occurs locally as subhedral grains up to 2.5 mm in size. Table 4 contains whole rock analyses and CIPW norms for three MBSH samples. The protolith for this unit is uncertain. It also is correlated with the middle unit of the Paleozoic Yukon-Tanana metasediments (Mortensen and Jilson, 1985). The structural thickness of this unit has not been determined.

INTRUSIVE UNITS

HBDI (Hornblende Diorite)

Both southwest and northeast geologic domains are floored by a foliated, medium grained, medium grey hornblende±biotite diorite. Dark green hornblende constitutes up to 40% of the diorite. In the southwest domain the diorite is zoned with biotite occurring in greater amounts with increasing elevation.

In both domains the diorite contains xenoliths of thinly banded, calcitic marble (CCMA) up to 0.5 m across. Commonly the diorite has extensive epidote alteration forming a 3 cm selvage around marble lenses. Locally diorite is altered to pale green epidote along thin fractures and joints.

Both S1 and S2 foliations are well developed within the diorite. Because of these textures, the diorite is tentatively correlated with the Devonian-Mississippian Simpson suite (Mortensen and Jilson, 1985).

Table 4. XRF whole rock analyses for muscovite-biotite schists - Hat Trick property

XRF Whole Rock Analyses

Drill Hole	HT96-01	HT96-03	HT96-05
Depth (m)	124.70-130.15	91.92-94.64	236.95-238.01
Interval (m)	5.45	2.72	1.06
Sample No.	C30005	C30007	N110291
Unit	MBSH	MBSH	MBSH
SiO2 %	48.73	49.10	47.41
TiO2 %	2.30	2.03	2.50
Al2O3 %	19.33	14.23	17.32
*Fe2O3 %	12.05	13.63	12.38
MnO %	0.10	0.30	0.15
Cr2O3 %	0.00	0.00	0.00
MgO %	2.47	5.93	6.68
CaO %	2.82	1.79	2.89
Na2O %	0.20	0.26	1.41
K2O %	6.67	3.79	6.58
P2O5 %	0.21	0.39	0.33
LOI %	4.44	7.42	1.47
Total %	99.32	98.87	99.12
Ba ppm	1980	1325	405
Rb ppm	142	116	96
Sr ppm	52	38	90
Nb ppm	16	12	18
Zr ppm	240	183	267
Y ppm	28	32	34

*Fe2O3 - total iron as Fe2O3

CIPW Norms**

Sample	C30005	C30007	N110291
Mineral	Wt %	Wt %	Wt %
Quartz	7.05	15.41	
Corundum	7.46	8.06	3.49
Zircon	0.05	0.04	0.06
Orthoclase	42.09	24.88	40.33
Albite	1.8	2.44	12.36
Anorthite	14.04	7.41	12.76
Hypersthene	20.74	34.48	2.38
Olivine			21.16
Magnetite	1.87	2.19	1.86
Ilmenite	4.66	4.27	4.92
Apatite	0.54	1.05	0.81
Total	100.3	100.23	100.12

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

GRPG (Granite Pegmatite)

The carbonaceous quartzite (GRQZ) and the hornblende diorite (HBDI) are intruded by coarse grained, off white, unfoliated, muscovite-feldspar-quartz granitic pegmatite on the western margin of the map area. Pegmatite occurs in both the southwest and northeast geologic domains. Because the pegmatite is unfoliated, intrusion is considered to be Cretaceous or later.

STRUCTURE

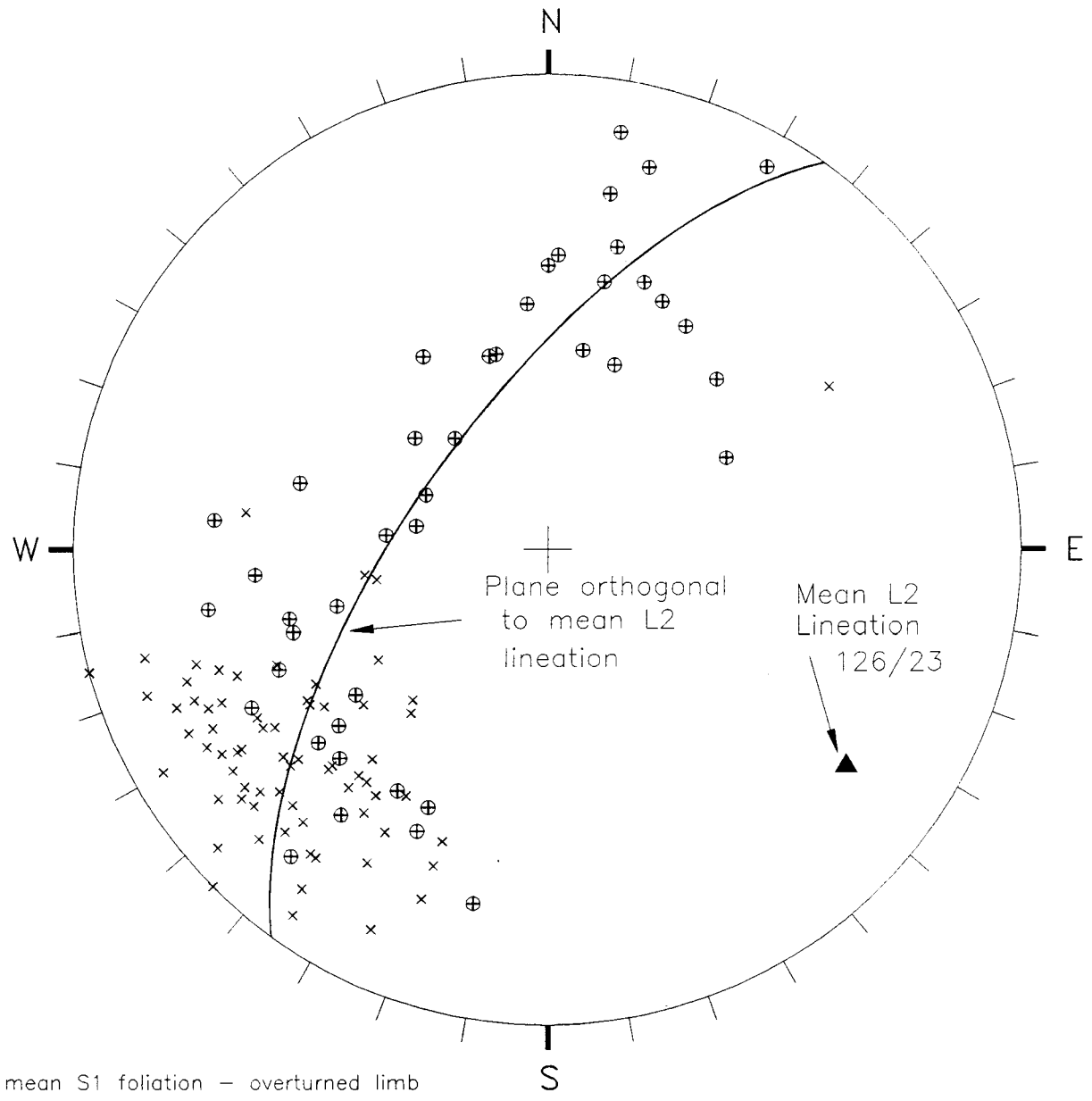
Mesoscopic and microscopic textural features indicate the area has been involved with two pervasive phases of deformation. The D1 deformation is delineated by a pervasive S1 foliation which is subparallel to the S0 bedding throughout the map area. No conclusive D1 folds were noted in the map area. Figure 9 is a stereonet plot of poles to S1 foliation for the mapped area. Distribution of the poles is consistent with cylindrical folding of S1 around a southeast plunging D2 structure. The mean S1 orientation in the general vicinity of the 1996 drill holes has a strike of 322° with a northeast dip of 62°; this orientation is the average orientation of the steep, overturned limb of a macroscopic D2 synform.

Numerous tight to overturned D2 minor folds were noted in outcrop. The S2 foliation forms a spaced crenulation cleavage which is axial planar to the D2 minor folds; typically S2 surfaces are spaced about 1 cm apart. S2 cleavage-S1 foliation intersections and minor fold vergences are consistent with structural position of the outcrop relative to macroscopic folds.

The northeast geologic domain is dominated by a tight, overturned D2 synform with overall southwest vergence (Figures 7,8). The axial trace of the synform trends northwest-southeast. Generally D2 folds and lineations plunge gently to the southeast with only local reversals of structural plunge. Figure 10 is a stereonet plot of L2 lineations and poles to S2 foliation. The mean S2 orientation has a strike of 339° with a northeast dip of 41°. The mean L2 lineation orientation plunges 23° along azimuth 126°.

In the northern part of the map area, the D2 synform axial trace has an apparent dextral offset of 800 m; no fault was noted in nearby outcrops to account for this offset in the axial trace. The apparent displacement of the axial trace is opposite to that for east-west faults in the same area.

Locally the different metasedimentary and metavolcanic units contain a fine crinkle lineation (L3) on the S2 surfaces. Figure 11 is a stereonet plot of the L3 lineation. Its orientation is consistent with a finely spaced, steeply dipping northeast trending S3 foliation surface. No minor folds were noted in association with the L3 lineation.



EQUAL AREA STEREONET
LOWER HEMISPHERE

⊕ Pole to S1 foliation – upright limb of D2 fold
44 poles plotted

× Pole to S1 foliation – overturned limb of D2 fold
71 poles plotted

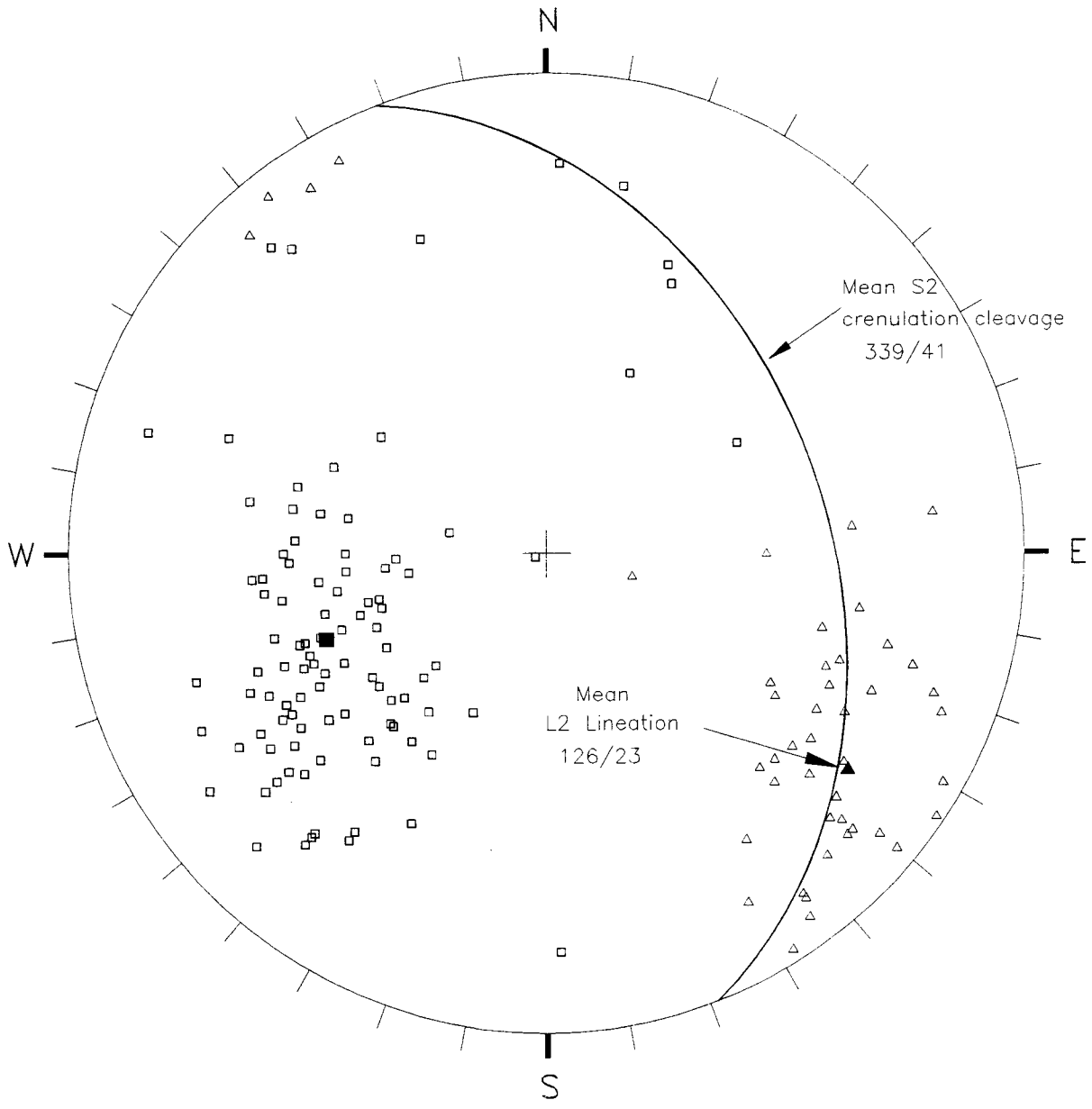
Figure 9
Archer, Cathro & Associates (1981) Limited

S1 FOLIATION STEREONET

HAT TRICK PROPERTY

EXPATRIATE RESOURCES LTD.

SCALE: NA	FILE: HTS1.DWG	
DRAWN: LCP	PROJ:FP	DATE: 20/01/1997



EQUAL AREA STEREONET
LOWER HEMISPHERE

- □ Pole to S2 crenulation cleavage
  101 poles plotted
- ■ Pole to mean S2 crenulation cleavage
- △ L2 lineation
  45 lineations plotted
- ▲ Mean L2 lineation

Figure 10

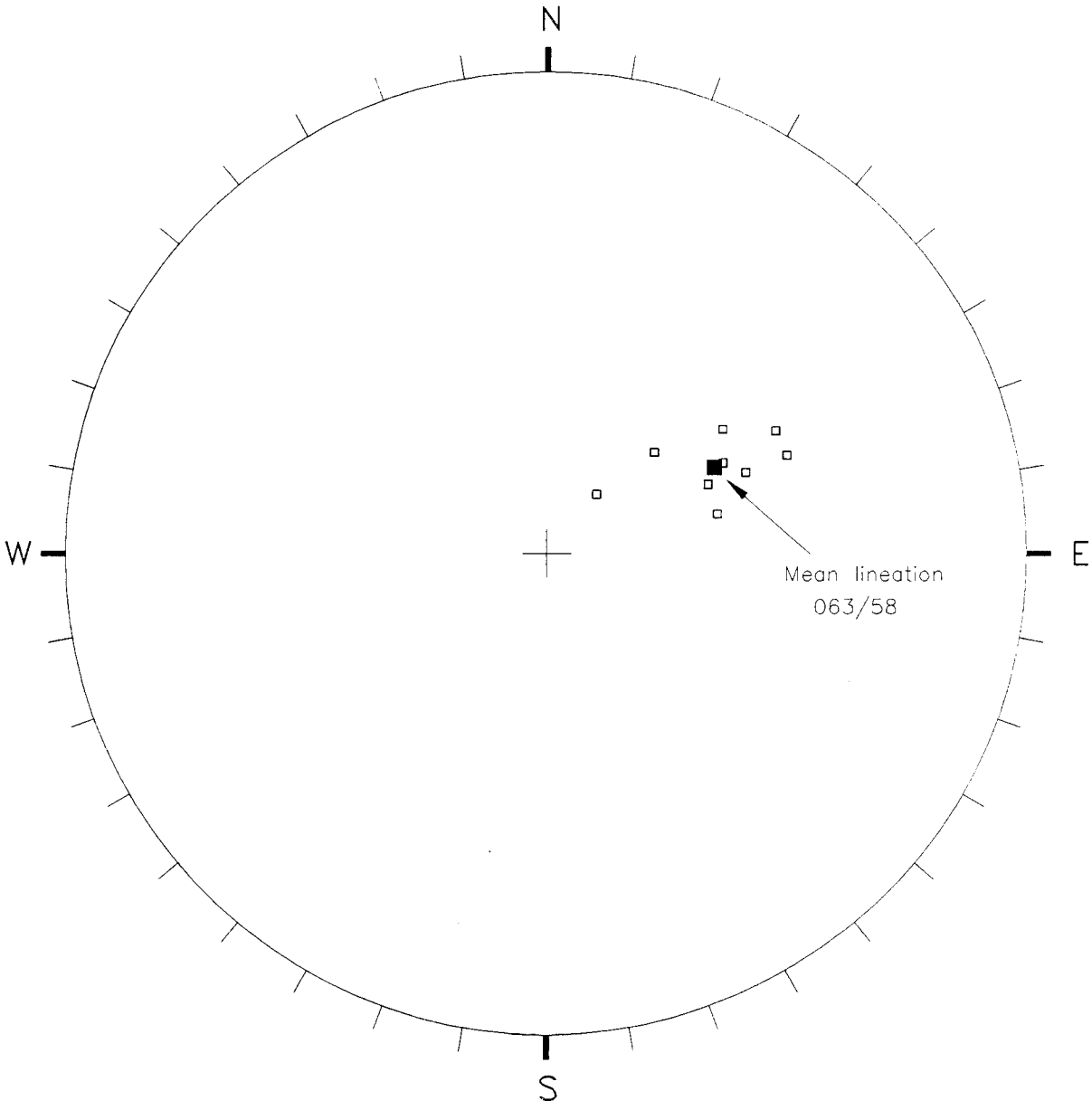
Archer, Cathro & Associates (1981) Limited

S2 and L2 STEREONET

HAT TRICK PROPERTY

EXPATRIATE RESOURCES LTD.

SCALE: NA	FILE: HTS2L2.DWG	
DRAWN: LCP	PROJ:FP	DATE: 20/01/1997



EQUAL AREA STEREONET
LOWER HEMISPHERE

□ L3 Crinkle Lineation
10 lineations plotted

■ L3 Mean Lineation

Figure 11

Archer, Cathro & Associates (1981) Limited

L3 LINEATION STEREONET

HAT TRICK PROPERTY

EXPATRIATE RESOURCES LTD.

SCALE: NA	FILE: HTL3LIN.DWG	
DRAWN: LCP	PROJ:FP	DATE: 20/01/1997

Several steep, late, east-west faults with approximate azimuth 070° were mapped within the Hat Trick area. The faults all show a sinistral apparent offset with displacements ranging up to 130 m. The faults offset the D2 synform axial trace and therefore postdate the D2 deformation.

METAMORPHISM

The micaceous quartzites typically contain the assemblage muscovite-biotite-quartz. The chloritic phyllites contain the assemblage chlorite-biotite-quartz-actinolite-plagioclase. These assemblages are indicative of the lowermost zone in the amphibolite facies of the regional metamorphic series (Winkler, 1974; Turner, 1981). Metamorphic mineral assemblages are similar for the D1 and D2 deformation phases.

In the immediate vicinity of QSSH, the muscovite-biotite schists (MBSH), muscovite-biotite gneisses (MBGN), and greenstones (BCSH) locally contain scattered reddish brown garnets. The garnets are not visible away from the QSSH unit. This local occurrence of garnet may be related to increased manganese content within the QSSH and associated units stabilizing garnet to lower temperatures and pressures during metamorphism.

Immediately adjacent to the hornblende diorite (HBDI), the quartzites are hornfelsed with the appearance of fine, disseminated, purplish biotite. The hornfelsed quartzites also contain scattered pyrite and pyrrhotite. This sulphide content results in strong reddish brown surface staining with weathering.

PROPERTY GEOPHYSICS

The airborne HEM and ground HLEM geophysical surveys have outlined numerous EM conductors on the Hat Trick property (Power, 1996; Woolham, 1996; Lee and Power, in preparation). Most of these conductor axes have a northwest-southeast trend. All of the above studies confirm that Hat Trick is underlain by generally resistive units.

Comparison of the ground HLEM and airborne HEM geophysical surveys with the property geologic mapping provides some geologic interpretation for the different EM conductors. The following discussion will focus on both the airborne and ground survey conductors. Figure 12 displays the geophysical anomalies relative to the property geology in the area mapped. Table 5 correlates the different airborne and ground survey EM conductors as described in Power (1996), Lee and Power (in preparation), and Woolham (1996).

ROCK UNITS

CCMA	Calcitic marble and muscovite–biotite schist
BCSH	Biotite–chlorite schist (greenstone)
-A	lower horizon
-B	upper horizon
GRQZ	Carbonaceous quartzite
MBGN	Muscovite–biotite gneiss (felsic volcanic)
-A	lower horizon
-B	upper horizon
MSRH	Rhyolite (felsic volcanic)
-A	rusty marker horizon
QSSH	Quartz–muscovite schist (felsic volcanic)
MBSH	Muscovite–biotite schist
HBDI	Hornblende diorite
GRPG	Granite pegmatite

0 200 400 600
METRES

UTM NAD 83 TM MN

6,788,000N
6,786,000N
6,784,000N
410,000E
412,000E
414,000E

Outcrop
Claim margin
Mapping limit
D2 synform trace
S1 foliation–overturned
S1 foliation–upright
Geological contact
Unknown structure
Fault
High amplitude magnetic trend (airborne–Aerodat)
Anomalous conductive response (airborne–Aerodat)
HLEM conducter (ground–Amerok)

Figure 12
Archer, Cathro & Associates (1981) Limited

PROPERTY GEOPHYSICS
AIRBORNE HEM (AERODAT)
GROUND HLEM (AMEROK)
EXPATRIATE RESOURCES LTD.

SCALE:1:20,000	DWG: HTGPHPR.DWG	
DRAWN: LCP	PROJ:FP	DATE:17/01/1997

Table 5. Airborne and ground survey EM conductors

Aerodat HEM Conductor (Woolham, 1996)	HEM Conductor (Power, 1996)	HLEM Conductor (Lee and Power, in prep)
-	A23	HT-3
-	A23	HT-4
-	-	HT-5
-	-	HT-6
-	-	HT-7
4	A11	
5	A16	
6	A13, A14, A15	
7	A31	
8	A28	
9	A27	
10	A24, A25	
11	A22	HT-2
12	A26	HT-1
13	A27, A29	
14	A17, A18, A19, A20, A21	
15	A32	

Aerodat airborne conductor 14 (Woolham, 1996) occurs in the southwest part of the mapped area. Using the same primary data, Power (1996) identified five separate EM conductors in this same area (A17-A21). These conductors occur in the hornfelsed metasediments immediately adjacent to the foliated hornblende diorite. The metasediments in this area are typically weathered to a bright orange red because of abundant disseminated pyrite and/or pyrrhotite related to hornfelsing. The disseminated sulphides are probably also responsible for the anomalous EM signature. The magnetic trends occurring near the zone 14 EM conductors may also be related to the disseminated pyrrhotite adjacent to the pluton.

Aerodat airborne conductors 11, 13, and 6 (Woolham, 1996) crudely correspond to the geologic contact between carbonaceous quartzite GRQZ and the stratigraphically overlying felsic volcanic MBGN-A. Conductors 6 and 13 correspond to the geologic contact on the overturned limb of the D2 synform, and conductor 11 represents this same contact on the upright limb of the D2 synform. Conductor 11 corresponds to the ground EM conductor HT-2. The flexure in the HT-2 conductor is probably related to sinistral offset on the east-west trending fault. Exposures in the stream near conductor HT-2 consist of a mixed sequence of rusty weathering biotite schist and pale grey biotite gneiss; the schist contains about 5% disseminated pyrite. The EM conductors 6 and 11 have an associated magnetic response. In the immediate area of EM conductor 11, visible magnetite was observed in the felsic volcanics.

Aerodat airborne conductors 10 and 12 (Woolham, 1996) crudely correlate with the geologic contact between carbonaceous quartzite GRQZ and the stratigraphically overlying felsic volcanic MBGN-B. Airborne conductor 12 was verified and more accurately located with the ground HLEM survey as conductor HT-1; this conductor occurs on the overturned limb of the D2 synform. The ground survey also located conductors HT-3 and HT-4 which correspond to the same geologic contact on the upright limb of the D2 synform. HLEM conductors HT-5 and HT-6 may also correlate with the same geologic contact. Units MBGN-B, BCSH-B, and MBSH in the drill holes locally contain disseminated magnetite, confirming the anomalous magnetic trends in the vicinity of the airborne and ground EM conductors. Anomalous soil samples collected in 1995 in the vicinity of conductor 12 appear to be related more to downslope dispersion from unit QSSH.

Ground HLEM conductor HT-7 correlates with the QSSH unit which formed the drill target for the 1996 exploration program. The EM conductor occurs at the uppermost extent of the northeast facing cirque containing extensive soil anomalies which have been correlated with the QSSH unit. This same area contains the massive sulphide and baritic sulphide float boulders discovered during the 1995 exploration program. To the south, the HT-7 conductor is truncated by a small east-west fault which has an apparent sinistral offset of 130 m; the conductor was not picked up south of the fault.

Aerodat conductors 4 and 5 (and 7?) crudely coincide with the geologic contact between the GRQZ carbonaceous quartzite and the stratigraphically overlying greenstone BCSH-A. The geologic contact was not observed in the area of the conductors. Aerodat conductors 8, 9, and 15 are outside the mapped area; no information is known about them.

Because of time constraints, the HLEM Maxmin survey was not completed over the full grid shown in Figure 6. Therefore the QSSH unit on the overturned limb of the

D2 synform remains untested by the ground survey between cut lines 122N and 128N. Similarly, the potential QSSH unit in the upright limb of the D2 synform remains untested by the ground survey between cut lines 114N and 122N.

1996 DRILL PROGRAM

Drill holes were collared to drill southwest underneath the coincident soil geochemical anomalies, mineralized float, and HLEM geophysical conductors associated with the recessive unit QSSH (quartz-muscovite schist). The holes were collared to test for stratiform mineralization within this unit assuming a northeast dip of 75°. Five NQ holes were completed for a total depth of 998.22 m. All collar locations have been marked in the field with 4x4 posts labelled with inscribed metal tags. Table 6 contains the collar locations of the drill holes in UTM coordinates.

Table 6. 1996 Drill Hole Locations

DDH	Easting (UTM)	Northing (UTM)	Elevation (MSL)	Length (m)
HT96-01	412,505	6,784,846	1,707 m	213.36
HT96-02	412,505	6,784,846	1,707 m	243.84
HT96-03	412,329	6,784,983	1,816 m	142.34
HT96-04	412,197	6,785,144	1,821 m	152.40
HT96-05	412,379	6,785,055	1,772 m	246.28

Orientation of each hole at the collar was checked using a Brunton compass. Where possible inclination at the bottom of the hole was verified using an acid test. Acid tests were corrected for the meniscus effect using printed correction tables. The holes generally shallowed with depth.

Holes were logged at the Finlayson Lake base camp for lithology, structure, RQD, and % recovery. 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. Samples exceeding instrument limits were assayed for the appropriate element. Selected samples were assayed for gold; gold assays were completed using fire assay techniques with an atomic absorption finish.

Geophysical measurements were also completed for some of the drill holes using instruments made available through the courtesy of Amerok. Spot measurements of magnetic susceptibility were completed for all five drill holes. Resistivity measurements were completed for drill holes HT96-03 and HT96-05.

The information from the field logs (including the geophysical measurements) was entered into a spreadsheet (Lotus v5). The data was later transferred to a PC-XPLOR database for plotting vertical sections and plan views.

DRILL RESULTS

Figure 8 shows the detailed geology in the immediate vicinity of the 1996 drilling. All drill holes were completed in the overturned limb of the major northwest-trending D2 synform; the drill holes therefore drilled from the stratigraphic footwall through the QSSH unit into the stratigraphic hanging wall. The recessive QSSH unit was drill tested for a strike length of 425 m and a downdip extent of up to 200 m. Appendix II contains the drill hole logs. Table 7 lists length weighted geologic composites for the best drill hole intersections in the 1996 drilling program. Figures 13-21 display vertical geologic sections combining the drill hole information with the surface geologic mapping. Vertical sections are oriented with azimuth 220° to be orthogonal to the overall structural trend. Drill holes were moved vertically on the sections so that collar locations corresponded to surface topography interpreted from the 1:50,000 scale topographic map.

Drill holes HT96-01 and HT96-02 were collared to test the QSSH unit beneath HLEM conductor HT-7 and the float boulders containing significant sulphide mineralization discovered in the northeast facing cirque in 1995. A similar baritic sulphide boulder was unearthed on the pad site during construction of the drill pad. The drill pad was located to intersect the QSSH unit north of the east-west fault mapped in the cirque wall to the south. Figure 13 shows the interpreted vertical section A with both holes displayed. Hole HT96-01 intersected the QSSH horizon 135 m downdip from the surface exposures, and hole HT96-02 intersected the same horizon a further 75 m downdip from the intersection in HT96-01. Overall the two holes tested the target horizon for a total depth of approximately 210 m below surface. The QSSH unit contains an internal band of MBSH/BISH.

Table 7 lists the geologic length weighted composites for holes 1 and 2. The composites are also shown in Figure 14. Mineralization consists of disseminated sphalerite, chalcopyrite, and galena in the QSSH unit. Extent and grade of mineralization decreases with depth. No barite or massive sulphides were intersected in the holes. Overall thickness of the QSSH unit appears to be decreasing in the downdip direction.

Table 7. Best mineralized intersections - 1996 Hat Trick Drilling Program.

Drill Hole	From (m)	To (m)	Interval (m)	Unit	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)
HT96-01	100.24	116.59	16.35	QSSH	743	1287	3262	5.9
	**101.62	102.43	0.81	QSSH	3460	2460	1.56 %	20.2
HT96-02	166.50	169.89	3.39	QSSH	312	565	1618	2.4
HT96-03	80.30	87.57	7.27	QSSH	1185	3453	6437	11.9
	**83.03	54.57	1.54	QSSH	280	7650	1.53 %	25.2
HT96-03	97.39	114.20	16.81	mixed	763	825	2202	2.2
	**108.49	109.91	1.42	MBSH	881	1020	8540	3.0
HT96-04	75.87	83.37	7.50	QSSH	1149	215	1462	2.4
HT96-04	90.22	95.56	5.34	BCSH	487	107	2795	1.5
HT96-05	174.67	179.46	4.79	QSSH	266	829	1109	4.4
HT96-05	190.85	192.78	1.93	QSSH	550	224	2030	1.2
HT96-05	201.07	202.80	1.73	QSSH	115	728	1700	2.0

Composites calculated using length weighting of sample intervals.
** Higher grade interval within the larger composite

SW

NE

ROCK UNITS

CSDH	Casing
OBDH	Overburden
BCDH	Broken core
BCSH	Biotite–chlorite schist (greenstone)
BIAM	Biotitic amphibolite
MBGN	Muscovite–biotite gneiss (felsic volcanic)
MSRH	Rhyolite (felsic volcanic)
QSSH	Quartz–muscovite schist (felsic volcanic)
QSGN	Quartz–muscovite gneiss (felsic volcanic)
MBSH	Muscovite–biotite schist
BISH	Biotite schist
QTVN	Quartz vein

1750 m
1725 m
1700 m
1675 m
1650 m
1625 m
1600 m
1575 m
1550 m
1525 m
1500 m
1475 m

QSSH

BCSH-B

MBSH

MBGN-B

BCSH-B

[-0.63]

HT96-01
[-13.67]

HT96-02
[1.21]

0 10 20 30
METRES

6,784,700N
412,400E
6,784,800N
412,500E

Drill Hole Trace
[4.37] projection distance

Rock Type

Analyses

RD96-01 Drill Hole Name
[0.41] projection distance

ICP
Cu ppm Pb ppm Zn ppm Ag ppm

ASSAY
Cu % Pb % Zn % Ag g/t

∿∿∿∿ Fault

—·—·— Geological contact

Figure 13
Archer, Cathro & Associates (1981) Limited

SECTION A

HAT TRICK PROPERTY

EXPATRIATE RESOURCES LTD.

SCALE:1:1,000	DWG: XSA.DWG	
DRAWN: LCP	PROJ:FP	DATE:15/01/1997

SW

NE

ROCK UNITS

CSDH	Casing
OBDH	Overburden
BCDH	Broken core
BCSH	Biotite–chlorite schist (greenstone)
BIAM	Biotitic amphibolite
MBGN	Muscovite–biotite gneiss (felsic volcanic)
MSRH	Rhyolite (felsic volcanic)
QSSH	Quartz–muscovite schist (felsic volcanic)
QSGN	Quartz–muscovite gneiss (felsic volcanic)
MBSH	Muscovite–biotite schist
BISH	Biotite schist
QTVN	Quartz vein

1750 m
1725 m
1700 m
1675 m
1650 m
1625 m
1600 m
1575 m
1550 m
1525 m
1500 m
1475 m

QSSH

BCSH-B

MBSH

MBGN-B

BCSH-B

MBSH

[-0.63]

743 1287 3262 5.9
16.35 m

312 565 1618 2.4
3.39 m

HT96-01
[-13.67]

HT96-02
[1.21]

0 10 20 30
METRES

6,784,700N
412,400E
6,784,800N
412,500E

Drill Hole Trace
[4.37] projection distance

181 10 306 2.0
3.6 m

Rock Type

RD96-01 Drill Hole Name
[0.41] projection distance

Composites
Cu ppm Pb ppm Zn ppm Ag ppm
Interval (metres)

∿∿∿∿ Fault

——-—— Geological contact

Figure 14
Archer, Cathro & Associates (1981) Limited

SECTION A
DRILL HOLE COMPOSITES
HAT TRICK PROPERTY
EXPATRIATE RESOURCES LTD.

SCALE:1:1,000	DWG: XSACMP.DWG	
DRAWN: LCP	PROJ:FP	DATE:16/01/1997

SW

NE

ROCK UNITS

CSDH	Casing
OBDH	Overburden
BCDH	Broken core
BCSH	Biotite–chlorite schist (greenstone)
BIAM	Biotitic amphibolite
MBGN	Muscovite–biotite gneiss (felsic volcanic)
MSRH	Rhyolite (felsic volcanic)
QSSH	Quartz–muscovite schist (felsic volcanic)
QSGN	Quartz–muscovite gneiss (felsic volcanic)
MBSH	Muscovite–biotite schist
BISH	Biotite schist
QTVN	Quartz vein

1750 m
1725 m
1700 m
1675 m
1650 m
1625 m
1600 m
1575 m
1550 m
1525 m
1500 m
1475 m

QSSH

BCSH-B

MBSH

MBGN-B

BCSH-B

MBSH

[-0.63]

743 1287 3262 5.9
16.35 m

312 565 1618 2.4
3.39 m

HT96-01
[-13.67]

HT96-02
[1.21]

0 10 20 30
METRES

6,784,700N
412,400E
6,784,800N
412,500E

Drill Hole Trace
[4.37] projection distance

Rock Type

181 10 306 2.0
3.6 m

Composites
Cu ppm Pb ppm Zn ppm Ag ppm
Interval (metres)

Magnetic susceptibility
*(10)–3 SI units

RD96-01 [0.41] Drill Hole Name projection distance

∿∿∿∿ Fault

——— Geological contact

Figure 15
Archer, Cathro & Associates (1981) Limited

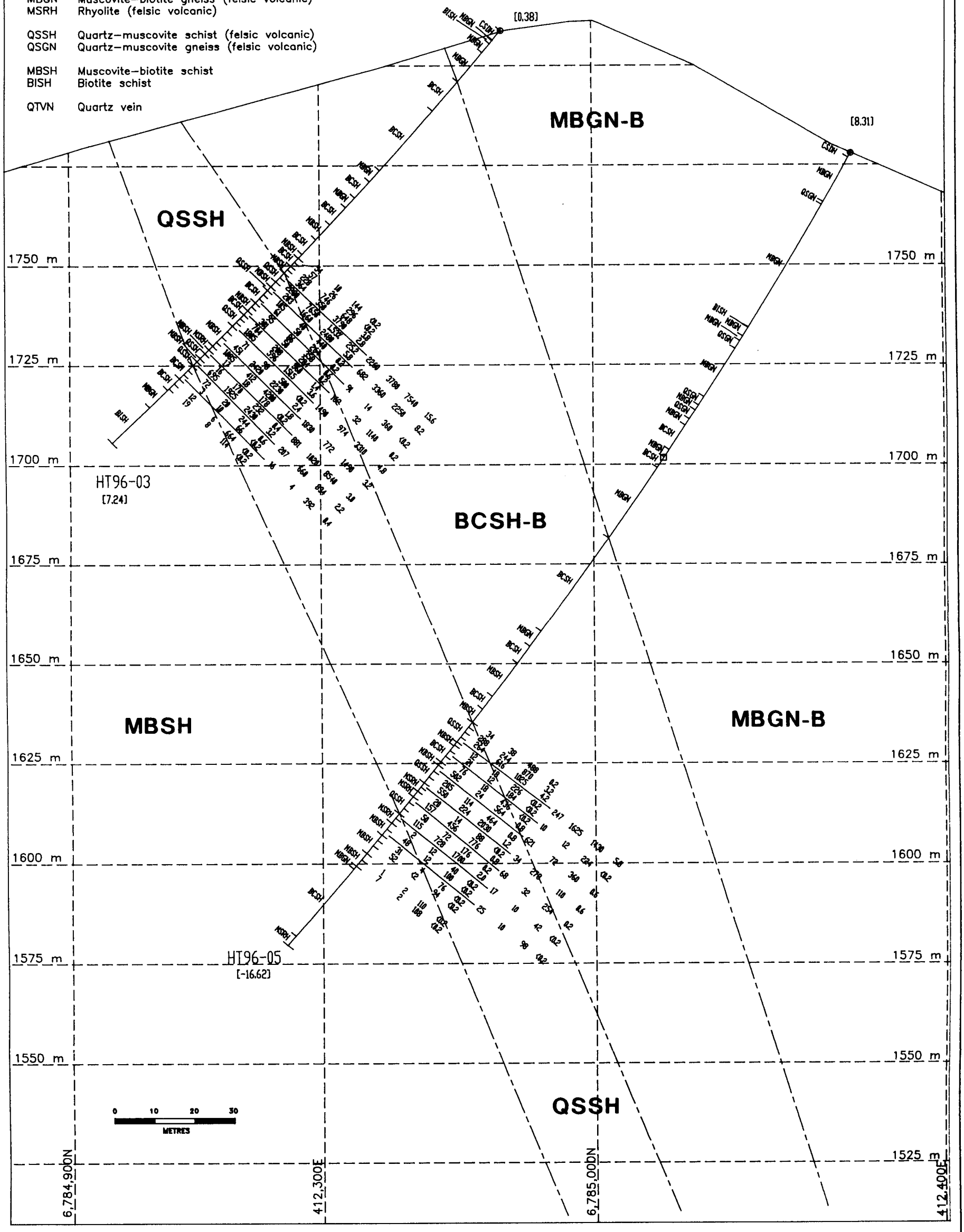
SECTION A
MAGNETIC SUSCEPTIBILITY
HAT TRICK PROPERTY
EXPATRIATE RESOURCES LTD.

SCALE:1:1,000	DWG: XSAGEOPH.DWG	
DRAWN: LCP	PROJ:FP	DATE:17/01/1997

SW NE

ROCK UNITS

CSDH	Casing
OBDH	Overburden
BCDH	Broken core
BCSH	Biotite–chlorite schist (greenstone)
BIAM	Biotitic amphibolite
MBGN	Muscovite–biotite gneiss (felsic volcanic)
MSRH	Rhyolite (felsic volcanic)
QSSH	Quartz–muscovite schist (felsic volcanic)
QSGN	Quartz–muscovite gneiss (felsic volcanic)
MBSH	Muscovite–biotite schist
BISH	Biotite schist
QTVN	Quartz vein



Drill Hole Trace
[4.37] projection distance

Rock Type

Analyses

RD96-01 Drill Hole Name
[0.41] projection distance

ICP
Cu ppm Pb ppm Zn ppm Ag ppm

ASSAY
Cu % Pb % Zn % Ag g/t

∿∿∿∿ Fault

——·—— Geological contact

Figure 16
Archer, Cathro & Associates (1981) Limited

SECTION B

HAT TRICK PROPERTY

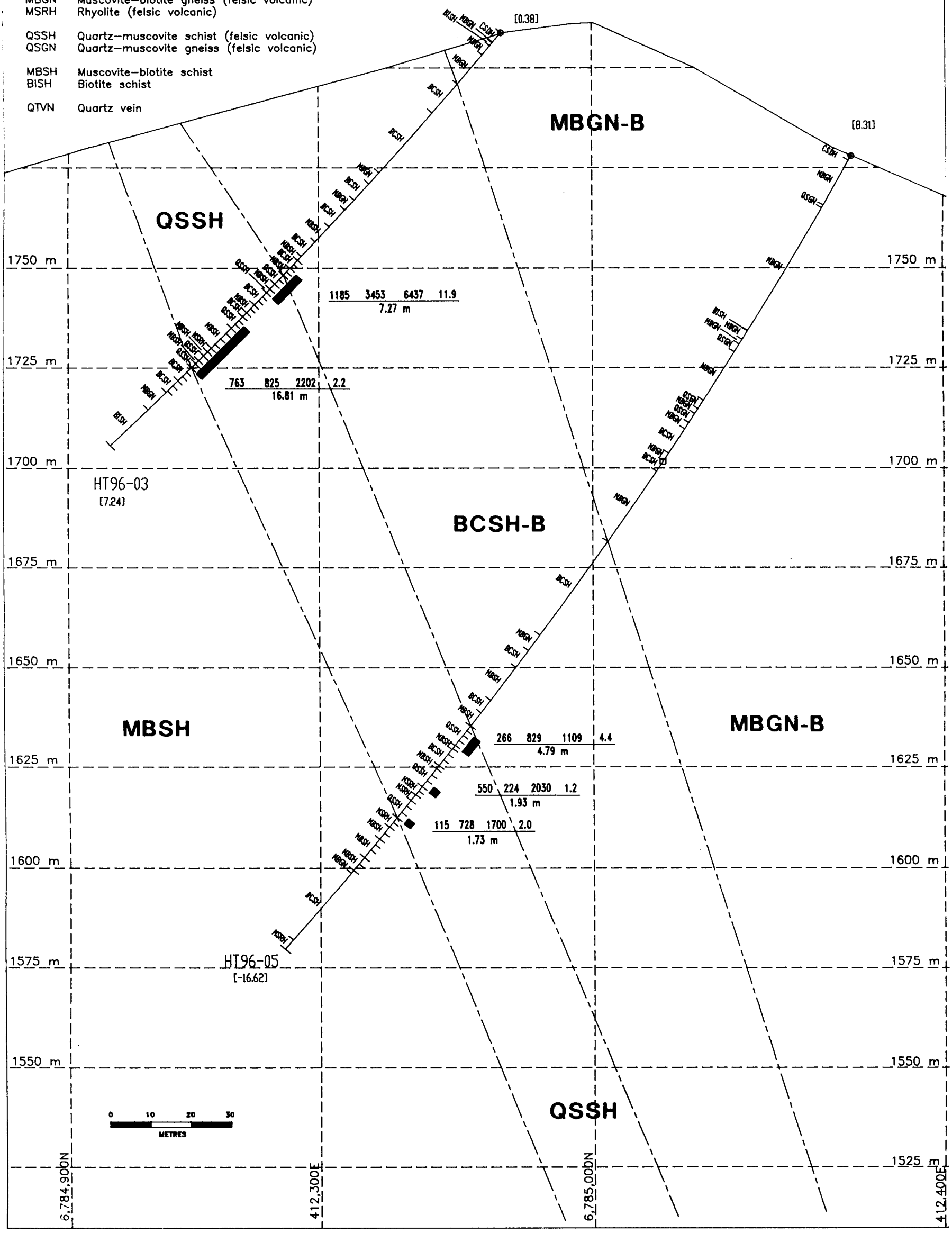
EXPATRIATE RESOURCES LTD.

SCALE:1:1,000	DWG: XSB.DWG	
DRAWN: LCP	PROJ:FP	DATE:15/01/1997

SW — NE

ROCK UNITS

CSDH	Casing
OBDH	Overburden
BCDH	Broken core
BCSH	Biotite–chlorite schist (greenstone)
BIAM	Biotitic amphibolite
MBGN	Muscovite–biotite gneiss (felsic volcanic)
MSRH	Rhyolite (felsic volcanic)
QSSH	Quartz–muscovite schist (felsic volcanic)
QSGN	Quartz–muscovite gneiss (felsic volcanic)
MBSH	Muscovite–biotite schist
BISH	Biotite schist
QTVN	Quartz vein



Drill Hole Trace
[4.37] projection distance

Rock Type

181 10 306 2.0
3.6 m

RD96-01 Drill Hole Name
[0.41] projection distance

Composites
Cu ppm Pb ppm Zn ppm Ag ppm
Interval (metres)

∿∿∿∿ Fault
——— Geological contact

Figure 17
Archer, Cathro & Associates (1981) Limited

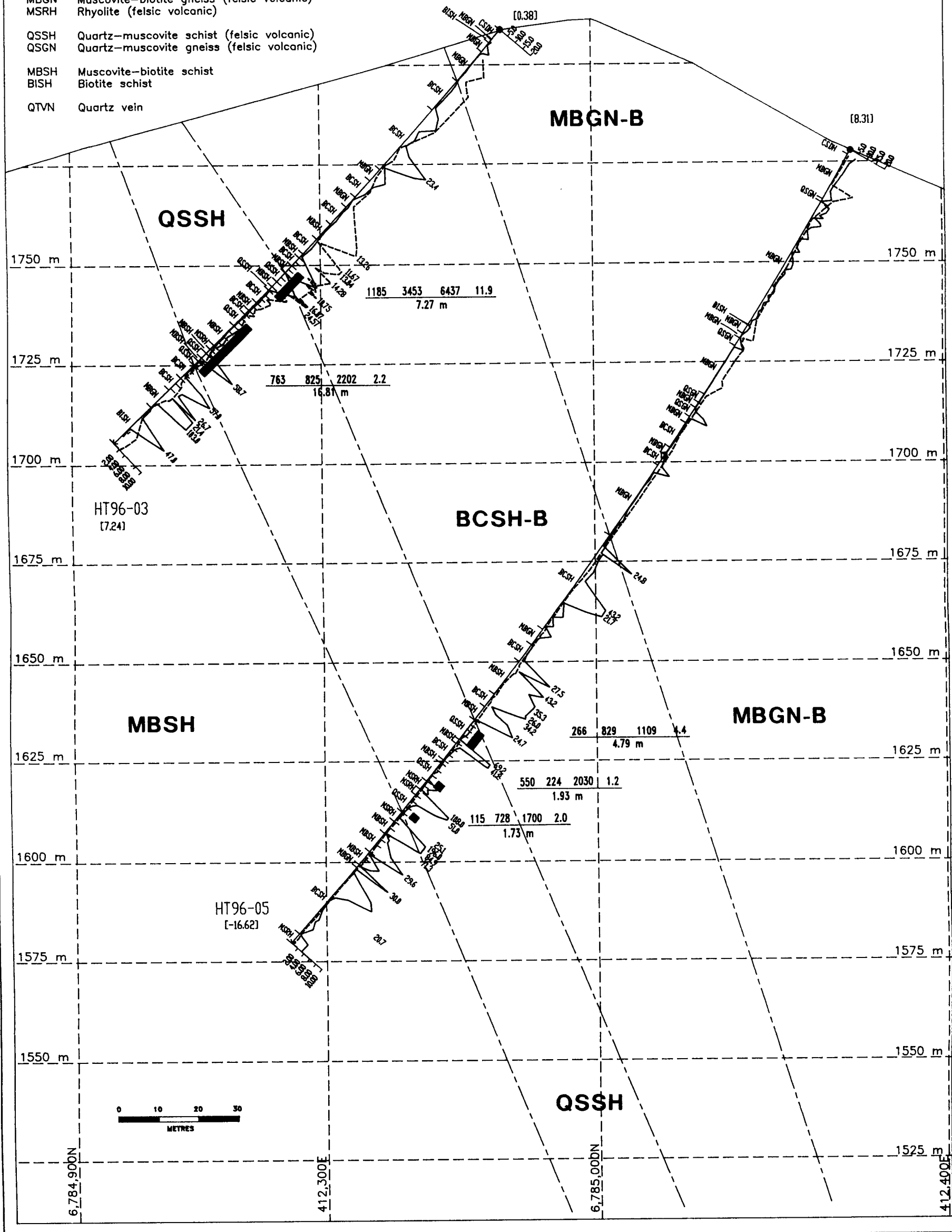
SECTION B
DRILL HOLE COMPOSITES
HAT TRICK PROPERTY
EXPATRIATE RESOURCES LTD.

SCALE:1:1,000	DWG: XSBCMP.DWG	
DRAWN: LCP	PROJ:FP	DATE:16/01/1997

SW NE

ROCK UNITS

CSDH	Casing
OBDH	Overburden
BCDH	Broken core
BCSH	Biotite–chlorite schist (greenstone)
BIAM	Biotitic amphibolite
MBGN	Muscovite–biotite gneiss (felsic volcanic)
MSRH	Rhyolite (felsic volcanic)
QSSH	Quartz–muscovite schist (felsic volcanic)
QSGN	Quartz–muscovite gneiss (felsic volcanic)
MBSH	Muscovite–biotite schist
BISH	Biotite schist
QTVN	Quartz vein



Drill Hole Trace
[4.37] projection distance

181 10 306 2.0
5.6 m

Rock Type

Magnetic susceptibility *(10)–3 SI units

Apparent resistivity ohm–metre

RD96-01 [0.41] Drill Hole Name projection distance

Composites
Cu ppm Pb ppm Zn ppm Ag ppm
Interval (metres)

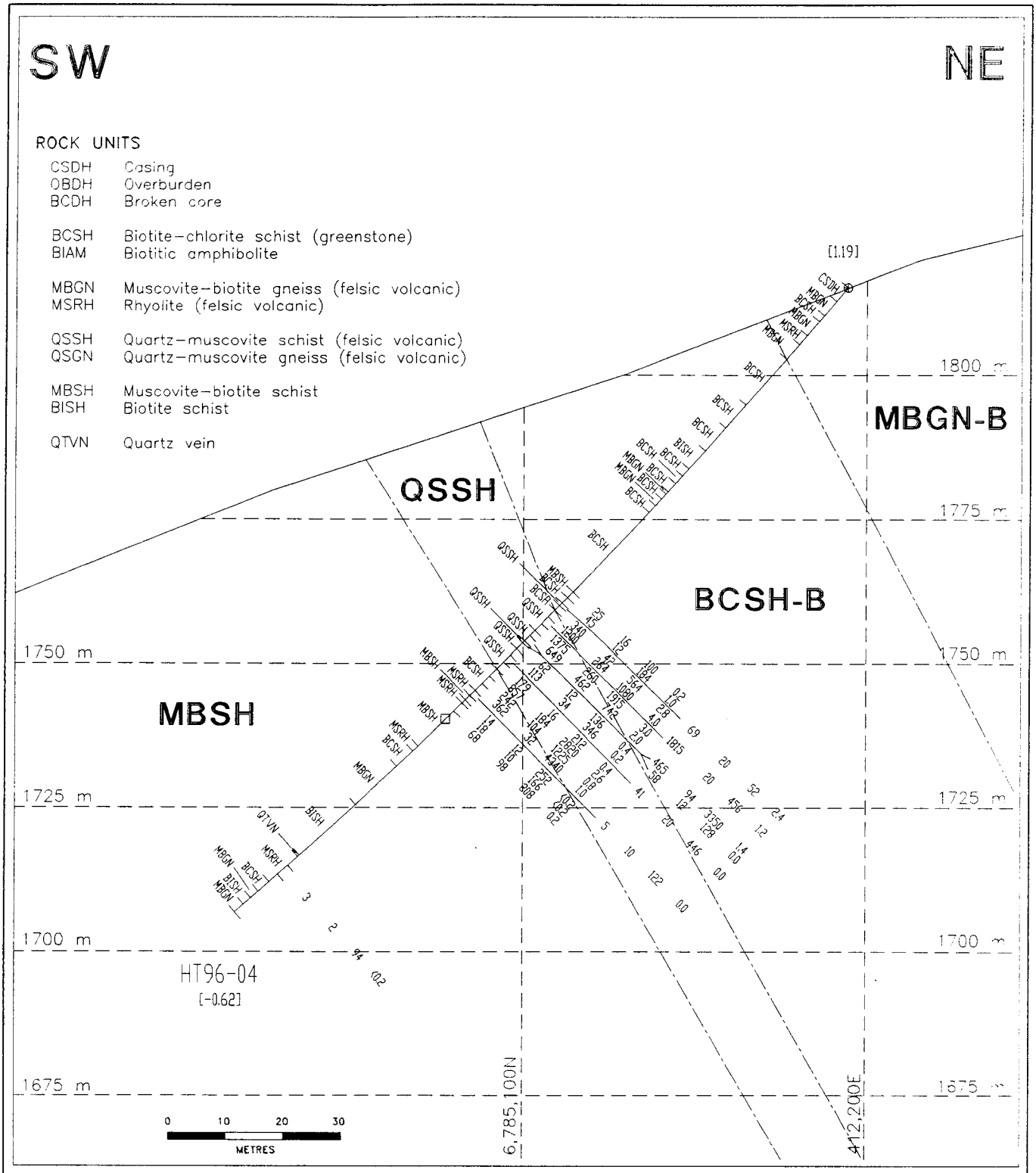
∿∿∿∿ Fault

—·—·— Geological contact

Figure 18
Archer, Cathro & Associates (1981) Limited

SECTION B
APPARENT RESISTIVITY
MAGNETIC SUSCEPTIBILITY
HAT TRICK PROPERTY
EXPATRIATE RESOURCES LTD.

SCALE:1:1,000	DWG: XSBGEOPH.DWG	
DRAWN: LCP	PROJ:FP	DATE:17/01/1997



Drill Hole Trace

[4.37] projection distance

Rock Type

CSDH MBGN MBGN BCSH BCSH MBGN MBGN MBGN

181 10 306 0.0

Analyses

RD96-01 [0.41] Drill Hole Name projection distance

ICP

Cu ppm Pb ppm Zn ppm Ag ppm

ASSAY

Cu % Pb % Zn % Ag g/t

∿∿∿∿ Fault

——·—— Geological contact

Figure 19

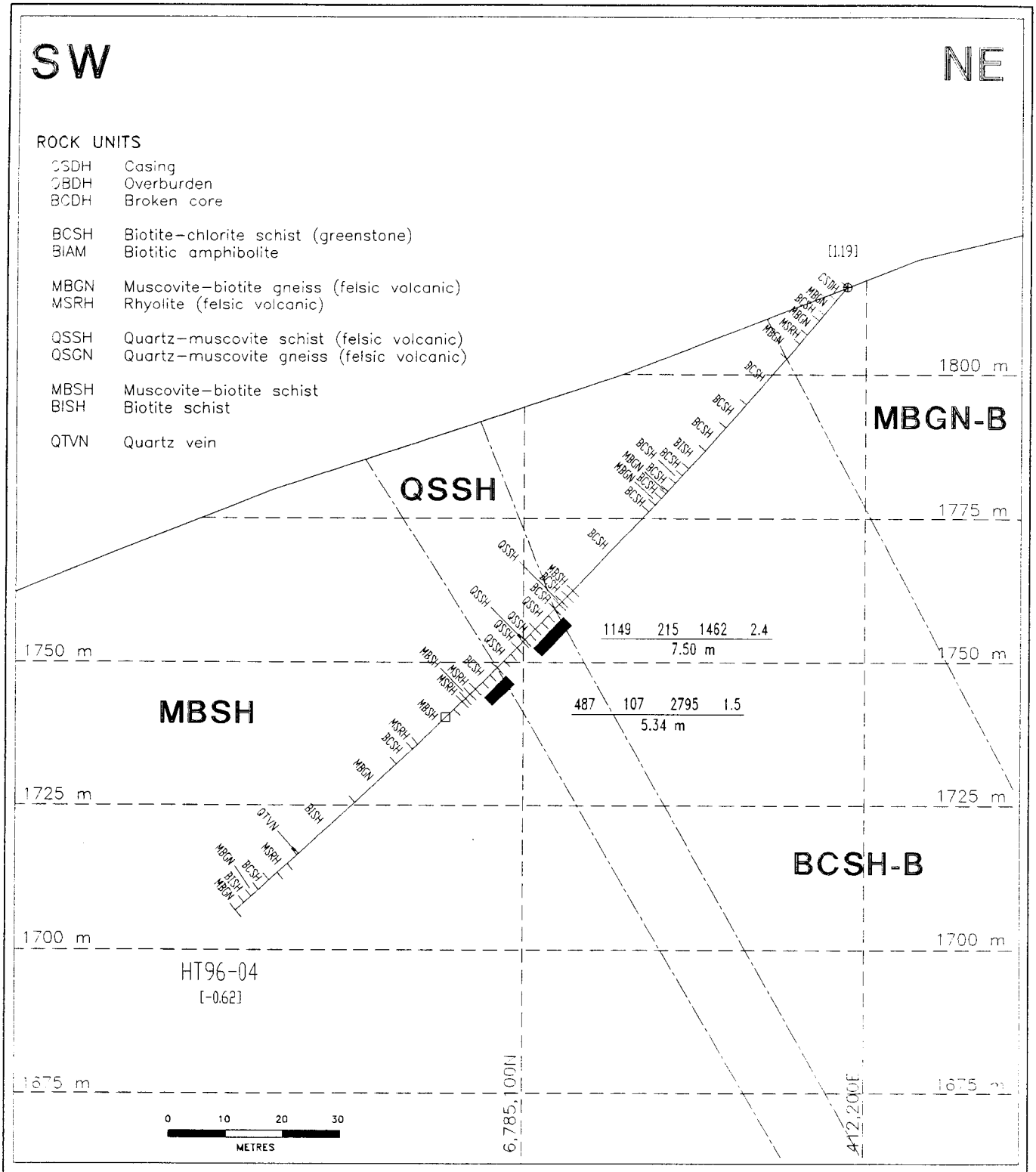
Archer, Cathro & Associates (1981) Limited

SECTION C

HAT TRICK PROPERTY

EXPATRIATE RESOURCES LTD.

SCALE: 1:1,000	FILE: XSC.DWG	
DRAWN: LCP	PROJ:FP	DATE: 15/01/1997



Drill Hole Trace

[4.37] projection distance

181 10 306 2.0
3.6 m

Rock Type

RD96-01 Drill Hole Name
[0.41] projection distance

Composites

Cu ppm Pb ppm Zn ppm Ag ppm
Interval (metres)

∿∿∿∿ Fault

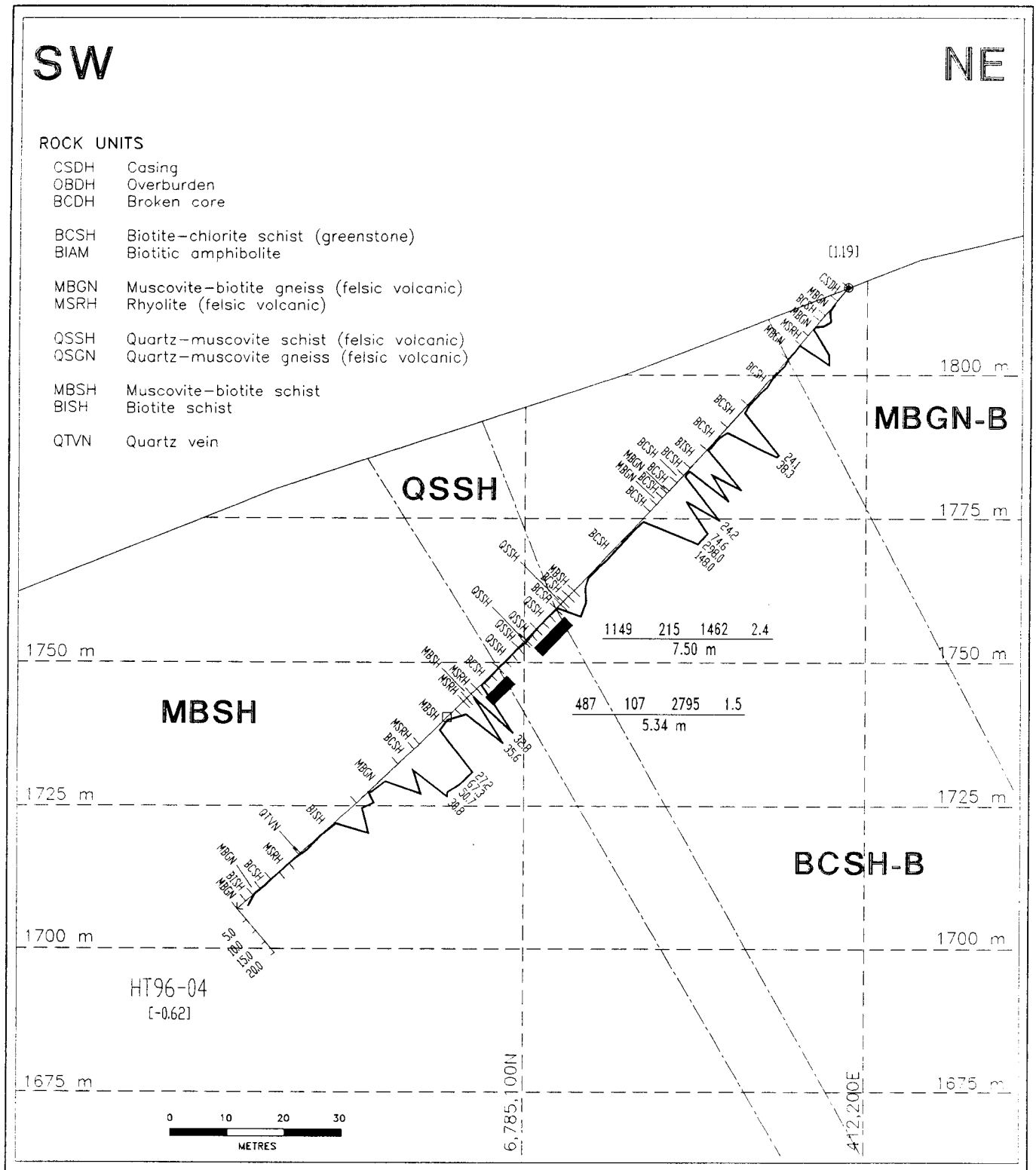
—·—·— Geological contact

Figure 20

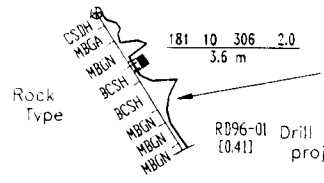
Archer, Cathro & Associates (1981) Limited

SECTION C
DRILL HOLE COMPOSITES
HAT TRICK PROPERTY
EXPATRIATE RESOURCES LTD.

SCALE: 1:1,000	FILE: XSCCMP.DWG		
DRAWN: LCP	PROJ:FP	DATE: 16/01/1997	



Drill Hole Trace
[4.37] projection distance



Composites
Cu ppm Pb ppm Zn ppm Ag ppm
Interval (metres)

∿∿∿∿ Fault
—·—·— Geological contact

Figure 21
Archer, Cathro & Associates (1981) Limited

SECTION C
MAGNETIC SUSCEPTIBILITY
HAT TRICK PROPERTY
EXPATRIATE RESOURCES LTD.

SCALE: 1:1,000	FILE: XSCGEOPH.DWG	
DRAWN: LCP	PROJ:FP	DATE: 17/01/1997

Figure 15 shows section A with magnetic susceptibility measurements at intervals down the holes. Lithologic units on both the stratigraphic footwall and stratigraphic hanging wall sides of the QSSH unit are magnetic; this corresponds with visual observation of disseminated magnetite at intervals throughout both holes HT96-01 and HT96-02. Magnetic susceptibility is low for the QSSH unit.

Holes HT96-03 and HT96-05 were collared to intersect the QSSH horizon 220 m along strike to the northwest. These holes intersected the target QSSH horizon 50 m and 175 m downdip from the surface exposures. Figure 16 shows the interpreted vertical section B for the holes. The QSSH unit in section B contains multiple interbands of BCSH, MBSH, and MSRH lithologies. Table 7 contains the best intersections for the holes. Geologic length weighted mineralized intervals are shown in Figure 17. Mineralization extends into the stratigraphic footwall in hole HT96-03. As with section A, the mineralization becomes thinner and spottier in the downdip direction.

Figure 18 shows magnetic susceptibility and apparent resistivity logs for holes HT96-03 and HT96-05. Magnetic susceptibility readings verify the visual observation of disseminated magnetite in units in the immediate stratigraphic footwall and hanging wall of the QSSH unit. In contrast to section A, magnetite is present for short intervals within the QSSH unit in this section. Apparent resistivity measurements are flat for most of hole HT96-05. In hole HT96-03 apparent resistivities are higher in the stratigraphic footwall to the QSSH horizon.

Drill hole HT96-04 was collared on section C to test the same QSSH horizon a further 200 m northwest of section B. The target QSSH horizon was successfully intersected 40 m downdip from the surface exposures. Geological interpretation for section C is shown in Figure 19. In hole HT96-04 the QSSH unit does not contain any interbands of other lithologies.

Table 7 contains the best mineralized intersections for HT96-04. These length weighted composite intersections are also shown in Figure 20. Mineralization extends into the stratigraphic hanging wall of the QSSH unit.

Figure 21 shows magnetic susceptibility measurements for hole HT96-04. Visible magnetite in both the stratigraphic hanging wall and stratigraphic footwall units is verified by the magnetic susceptibility measurements. The QSSH unit itself has very low magnetic susceptibility readings.

CONCLUSIONS and RECOMMENDATIONS

During the 1996 field season an integrated exploration program consisting of airborne electromagnetic and magnetic geophysics, ground Maxmin and magnetometer geophysics, regional gridded soil sampling and claim tagging, detailed gridded soil sampling, geologic mapping, prospecting, and diamond drilling was conducted on the property.

Geologic mapping verified a metamorphosed sequence of interbanded calcitic marbles, muscovite-biotite schists, carbonaceous quartzites, greenstones, and felsic volcanics intruded by a foliated hornblende±biotite diorite. The metasediments and metavolcanics are correlated with the lower and middle units of the Paleozoic metasediments in the Yukon-Tanana terrane (Mortensen and Jilson, 1985). The intrusion is correlated with the Paleozoic Simpson suite because it contains the full deformation textures noted in the metasediments.

All stratigraphic units contain two pervasive deformation fabrics. The S1 pervasive cleavage is subparallel to S0 bedding. The S2 crenulation cleavage is axial planar to macroscopic and mesoscopic D2 folds. D2 folds are tight, overturned structures with southwest vergence which generally plunge gently to the southeast. In the mapped area, the structure is dominated by a D2 synform. Lithologic units and structural vergences are symmetrical across the axial trace of the synform.

Soil geochemical anomalies are associated with a recessive, medium to coarse grained, pyritic quartz-muscovite schist (QSSH). Surface exposures of the schist range from 10 to 30 m in thickness. The schist is exposed on the northeast, overturned limb of the mapped D2 synform. The QSSH unit on the overturned limb could be traced for a strike length of 2,000 m. Strong soil anomalies for lead, copper, and zinc are associated with the QSSH unit for the entire strike length. Enclosing greenstones and felsic volcanics for the QSSH unit locally contain disseminated magnetite.

Prospecting in 1995 along the best exposure of the QSSH unit resulted in the discovery of float boulders containing massive sulphides and baritic massive sulphides. The interval containing the sulphide float also contains extensive iron gossan staining; an HLEM Maxmin conductor axis with a strike length of 150 m was identified for this same area during 1996.

Five drill holes successfully intersected the QSSH unit on three cross sections through the northeast overturned limb of the D2 synform. Total depth drilled with the five holes was 998.22 m. Drilling tested the QSSH horizon for a strike length of 400 m; maximum downdip extent tested was 210 m. Mineralized intersections from the

1996 drilling program indicate the extent and continuity of mineralization decreases in the downdip direction.

The QSSH unit does not extend further northwest because of the synformal fold closure. Extension of the unit to the southeast is open beyond the limit of mapping. Outcrop exposures in the interval of the upright fold limb where the QSSH unit is expected are extremely sparse; it is uncertain if the QSSH unit is present on the upright limb.

The QSSH unit has been tentatively interpreted as an altered felsic volcanic. Alteration is marked by an apparent increase in iron with a concomitant decrease in silica and sodium. Primary plagioclase in the unit is replaced by muscovite. The unit contains disseminated sphalerite, chalcopyrite, and galena in patches and lenses associated with quartz and pyrite. Mineralization extends slightly into the stratigraphic footwall and hanging wall of the QSSH unit. Interbands of muscovite-biotite schist, greenstone, and felsic volcanic have been identified from drill intersections of the QSSH unit.

These different data suggest that for the strike length tested by the 1996 drilling, the QSSH unit represents an altered marginal fringe to a sulphide deposit. The majority of the deposit has been eroded. The QSSH unit, however, remains a viable target for the remaining strike length since volcanogenic deposits typically consist of stacked and overlapping sulphide lenses within an overall favorable stratigraphy.

The following recommendations are made for continued exploration on the Hat Trick property.

1) Detailed geologic mapping on the Hat Trick property should be extended to the southeast. The primary goal of the mapping should be to trace the QSSH horizon along strike to the southeast. Portions of the QSSH stratigraphy eroded in the mapped area may be preserved to the southeast in the down plunge direction of the D2 synform. The southeast extension of this horizon therefore represents a highly favorable exploration target.

Detailed geologic mapping should also be extended into the southwest geologic domain (as defined in this report). Specifically the presence or absence of the QSSH horizon in this domain should be determined.

2) Reconnaissance geologic mapping on the Hat Trick property should be extended to the northwest. Mapping should ascertain that the structural plunge remains dominantly southeast and that the northern portion of the claims contains stratigraphic units older than the QSSH horizon.

3) Reconnaissance geologic mapping should be extended to the east to try to tie in the Hat Trick geology with the geology of the Fyre Lake mineral camp. Initial descriptions of the Fyre Lake mineralization suggest that it may be occurring in the greenstone unit mapped as BCSH-A on the Hat Trick property. If so, then the northern portion of the claims should be more closely evaluated for mineralized horizons.

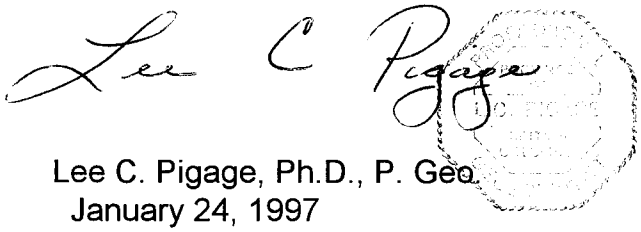
4) Drill testing of the QSSH horizon should be continued for the entire 2,000 m strike length presently defined. Drilling should be completed on sections spaced at 150 m or 200 m intervals. This would require a minimum of 7 drill holes. Drill pads should be placed to intersect the QSSH horizon at a downdip extent exceeding 50 m below surface. This exclusion of shallow drill hole intersections is based on the general absence of airborne HEM and ground HLEM conductors along the defined strike length of the QSSH unit.

5) Two or more drill holes should be completed in the upright limb of the D2 synform to determine the presence or absence of the favorable QSSH horizon. The interval containing the appropriate stratigraphy is covered by extensive grassy slopes which would probably mask any geochemical signature if the QSSH horizon were present.

The above recommendations have outlined an exploration program to evaluate the favorable QSSH horizon on the Hat Trick property. Work completed to date suggests that at least a portion of the QSSH horizon is a peripheral fringe to a massive sulphide deposit within an altered felsic volcanic. A minimum of nine drill holes are required to provide an initial test of the presently delineated strike length of the QSSH horizon.

Further geologic mapping is suggested to extend the QSSH horizon to the southeast. Geologic mapping is also required to evaluate the possibility that Fyre Lake mineralization extends onto the Hat Trick property.

Respectfully submitted,



Lee C. Pigage, Ph.D., P. Geo.
January 24, 1997

SELECTED REFERENCES

Cathro, R.J., 1973. Final Report, Finlayson Joint Venture, November 30, 1973. Unpublished company report.

Clarke, D., 1991. NewPet. Shareware computer program. Memorial University of Newfoundland, Department of Earth Sciences.

DIAND, 1995. Yukon Minfile, Version 2.05, 31 July/95. Exploration and Geological Services Division, Indian and Northern Affairs Canada.

DMTS, 1961. Finlayson Lake (105G), Airborne Magnetic Map. Department of Mines and Technical Surveys, Geophysical Paper 70006G.

Hornbrook, E.H.W. and Friske, P.W.B., 1988. Regional stream sediment and water geochemical data, southeastern Yukon. Geological Survey of Canada, Open File 1648 (105G).

Irvine, T.N., and Baragar, W.R.A., 1971. A guide to the chemical classification of the common volcanic rocks. Canadian Journal of Earth Sciences, 8, 523-548.

Johnston, S.T., and Mortensen, J.K., 1994. Regional setting of porphyry Cu-Mo deposits, volcanogenic massive sulphide deposits, and mesothermal gold deposits in the Yukon-Tanana terrane, Yukon. Yukon Metallogeny: Recent developments, Canadian-Yukon economic development agreement, 30-34.

Lee, C., and Power, M., in preparation. Ground Geophysical Surveys on the Finlayson Project Properties. Amerok Geosciences Ltd., Unpublished company report.

Mortensen, J.K., 1992. Pre-mid-Mesozoic tectonic evolution of the Yukon-Tanana terrane, Yukon and Alaska. Tectonics, 11, 836-853.

Mortensen, J.K., and Jilson, G.A., 1985. Evolution of the Yukon-Tanana terrane: evidence from southeastern Yukon Territory. Geology, 13, 806-810.

Payne, J.G., 1996. Report #960631, Project: Finlayson, Property: Hat Trick. Vancouver Petrographics Ltd., Unpublished company report.

Power, M.A., 1996. Evaluation of HEM data from the Hat Trick property, Watson Lake Mining District, Y.T. Amerok Geosciences Ltd., Unpublished company report.

Tempelman-Kluit, D.J., 1977. Quiet Lake (105F) and Finlayson Lake (105G) map areas. Geological Survey of Canada, Open File 486.

Tempelman-Kluit, D.J., 1979. Transported cataclasite, ophiolite and granodiorite in Yukon: evidence of arc-continent collision. Geological Survey Canada, Paper 79-14, 27 pages.

Tempelman-Kluit, D.J., Gordey, S.P., and Read, B.C., 1976. Stratigraphic and structural studies in the Pelly Mountains, Yukon Territory. Geological Survey of Canada, Paper 76-1A., 97-106.

Turner, F.J., 1981. Metamorphic petrology, mineralogical, field, and tectonic aspects, 2nd edition. McGraw-Hill Book Company, New York.

Wengzynowski, W.A., 1996. Assessment report describing prospecting and geochemical surveys on the Hat Trick property. Expatriate Resources Ltd., Unpublished company report.

Winkler, H.G.F., 1974. Petrogenesis of metamorphic rocks, 3rd edition. Springer-Verlag, New York.

Woolham, R.W., 1996. Report on a combined helicopter-borne electromagnetic survey. Goal Net, Hat Trick, League, Offside, Power Play, Shutout, and Slapshot properties, Finlayson Lake area, Yukon Territory, NTS 105 G and J. Aerodat Inc., Unpublished company report.

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.

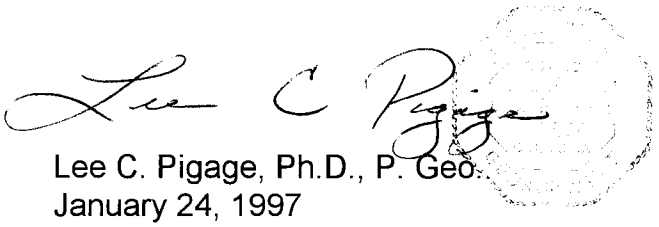
I have worked in economic geology and the mining industry continuously since 1979.

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, Ph.D., P. Geo.
January 24, 1997

APPENDIX II

1996 HAT TRICK DRILL LOGS

SYNOPTIC LOG
FINLAYSON PROJECT

EXPATRIATE RESOURCES LTD.

Hole: HT96-01 **Property:** Hat Trick

Easting:	Northing:	Elevation:	Depth:
412505	6784846	1707	213.36

Logged by: Gill McDougall
Drilling Dates: July 05 - 09, 1996

Depth	Azimuth	Dip	Method
0.00	215	-50	Brunton
210.92		-40	Acid

From (m)	To (m)	Interval (m)	Unit	Comments	From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
0.00	6.10	6.10	CSDH	Casing										
6.10	13.74	7.64	BCDH	Broken core, talus ?										
13.74	27.65	13.91	MBGN	Biotite gneiss										
27.65	31.89	4.24	BCSH	Chlorite-biotite schist or "greenstone"										
31.89	42.18	10.29	BCSH	Chlorite schist w/ some biotite/ "greenstone"										
42.18	47.96	5.78	BCSH	Chlorite schist with siliceous gneiss bands										
47.96	52.87	4.91	BCSH	Sheared chlorite - (biotite) schist/ "greenstone"										
52.87	54.16	1.29	MBGN	Granitic gneiss										
54.16	60.23	6.07	BCSH	Biotite-chlorite schist w/ granitic gneiss bands										
60.23	62.89	2.66	MBGN	Muscovite-biotite gneiss										
62.89	65.37	2.48	BCSH	Biotite-chlorite schist or "greenstone"										
65.37	69.89	4.52	QTVN	Quartz and feldspar veins										
69.89	82.24	12.35	BCSH	Quartz-biotite-chlorite schist w/ magnetite										
					78.33	80.24	1.91	N110764	100	17	16	78	<0.2	
					80.24	82.24	2.00	N110765	100	17	4	70	<0.2	
82.24	85.24	3.00	MBGN	Muscovite-biotite-chlorite gneiss										
					82.24	83.74	1.50	N110766	98	4	6	90	<0.2	
					83.74	85.24	1.50	N110767	98	5	18	106	<0.2	
85.24	86.18	0.94	MSRH	Brecciated rhyolite										
					85.24	86.18	0.94	N110768	96	5	36	122	<0.2	
86.18	90.53	4.35	MBSH	Garnet-musc.-biotite schist and quartz-musc.										
				schist	86.18	87.63	1.45	N110769	100	7	34	270	<0.2	
					87.63	89.08	1.45	N110770	98	54	558	628	4.8	
					89.08	90.53	1.45	N110771	96	18	24	120	0.4	
90.53	91.73	1.20	QTVN	Quartz vein										
					90.53	91.73	1.20	N110772	100	15	24	30	0.2	
91.73	93.03	1.30	MBGN	Biotite- (muscovite) gneiss										
					91.73	93.03	1.30	N110773	98	4	42	150	<0.2	
93.03	94.00	0.97	MBSH	Muscovite- garnet-(biotite) schist										
					93.03	94.00	0.97	N110774	85	1	18	108	<0.2	

SYNOPTIC LOG Hole: HT96-01 Property: Hat Trick

FINLAYSON PROJECT

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)
94.00	100.24	6.24	QSSH	Quartz-muscovite schist w/ garnetiferous bands										
					94.00	95.56	1.56	N110775	99	29	18	146	1.0	
					95.56	97.12	1.56	N110776	97	12	20	112	0.6	
					97.12	98.68	1.56	N110777	100	32	476	562	7.0	
					98.68	100.24	1.56	N110778	100	18	112	480	3.0	
100.24	101.62	1.38	QSSH	Quartz-muscovite (sericite) schist										
					100.24	101.62	1.38	N110779	99	419	502	3090	3.8	
101.62	102.43	0.81	QSSH	Quartz-muscovite schist w/ stringer sulphides										
					101.62	102.43	0.81	N110780	79	3460	2460	1.56 %	20.2	
102.43	107.13	4.70	QSSH	Quartz-muscovite (sericite) schist										
					102.43	104.00	1.57	N110781	100	477	2670	4690	7.4	
					104.00	105.57	1.57	N110782	100	395	278	1290	2.4	
					105.57	107.13	1.56	N110783	99	432	2620	3980	5.2	
107.13	108.92	1.79	BISH	Biotite schist										
					107.13	108.92	1.79	N110784	98	67	36	818	<0.2	
108.92	116.59	7.67	QSSH	Quartz-muscovite schist w/ much disseminated										
				pyrite	108.92	110.45	1.53	N110785	94	146	470	1020	1.6	
					110.45	111.98	1.53	N110786	98	267	100	1195	2.8	
					111.98	113.51	1.53	N110787	100	193	288	1005	2.0	
					113.51	115.04	1.53	N110788	95	901	428	2240	6.8	
					115.04	116.59	1.55	N110789	100	2770	4910	7110	20.2	
116.59	118.22	1.63	MSRH	Massive but banded rhyolite or felsic volcanic										
					116.59	118.22	1.63	N110790	100	14	30	144	<0.2	
118.22	124.70	6.48	MSRH	Thinly banded rhyolite or felsic volcanic										
					118.22	120.40	2.18	N110791	56	10	24	150	<0.2	
					120.40	122.53	2.13	N110792	72	4	8	108	<0.2	
					122.53	124.70	2.17	N110793	78	1	12	98	<0.2	
124.70	126.04	1.34	MBSH	Muscovite-biotite schist										
					124.70	126.04	1.34	N110794	93	15	12	64	<0.2	
126.04	130.15	4.11	MBSH	Muscovite-biotite schist										
					126.04	127.79	1.75	N110795	93	27	24	336	<0.2	
					127.79	129.79	2.00	N110796	89	33	26	466	0.2	

SYNOPTIC LOG Hole: HT96-01 Property: Hat Trick

FINLAYSON PROJECT

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)
130.15	134.91	4.76	BCSH	Biotite-chlorite schist										
134.91	140.14	5.23	MBSH	Muscovite-biotie schist										
140.14	148.83	8.69	BCSH	Biotite-chlorite schist										
148.83	158.10	9.27	BCSH	Chlorite-biotite schst										
158.10	164.81	6.71	MBSH	Muscovite-biotite schist										
164.81	173.23	8.42	BCSH	Biotite-quartz schist with chlorite clots										
173.23	174.29	1.06	MSRH	Massive, but banded rhyolite or felsic volcanic										
					173.23	174.29	1.06	N110797	95	6	8	34	<0.2	
174.29	180.86	6.57	MBSH	Muscovite-biotite schist										
180.86	183.20	2.34	MSRH	Massive rhyolite or felsic volcanic										
183.20	186.30	3.10	MBSH	Muscovite-biotite-quartz schist										
					183.20	184.75	1.55	N110798	100	2	4	158	<0.2	
					184.75	186.30	1.55	N110799	98	4	10	116	<0.2	
186.30	187.45	1.15	MSRH	Finely banded rhyolite or felsic volcanic										
					186.30	187.45	1.15	N110800	96	13	2	56	<0.2	
187.45	196.22	8.77	MBSH	Muscovite-biotite-quartz schist										
					187.45	189.45	2.00	N110801	100	22	2	134	<0.2	
196.22	198.44	2.22	MSRH	Finely banded rhyolite or felsic volcanic										
198.44	213.36	14.92	BISH	Quartz-biotite-(chlorite-muscovite) schist										
				EOH										

SYNOPTIC LOG
FINLAYSON PROJECT

Hole: HT96-02 Property: Hat Trick

EXPATRIATE RESOURCES LTD.

Easting:	Northing:	Elevation:	Depth:
412505	6784846	1707	243.84

Logged by: Gill McDougall

Drilling Dates: July 09 - 12, 1996

Depth	Azimuth	Dip	Method
0.00	221	-71	Brunton
243.84		-59	Acid

From (m)	To (m)	Interval (m)	Unit	Comments
0.00	6.10	6.10	CSDH	Casing
6.10	9.45	3.35	BCSH	Chlorite schist w/ biotite porphyroblasts
9.45	33.77	24.32	MBGN	Muscovite-biotite-quartz gneiss
33.77	76.84	43.07	BCSH	Biotite-chlorite schist and quartz-bio-chl schist
76.84	95.53	18.69	MBGN	Muscovite-biotite gneiss
95.53	103.72	8.19	BCSH	Quartz-biotite-chlorite-(musc) schist
103.72	106.68	2.96	MBGN	Muscovite-biotite gneiss
106.68	107.91	1.23	BCSH	Quartz-biotite-chlorite schist
107.91	116.17	8.26	MBGN	Muscovite-(biotite) gneiss
116.17	119.95	3.78	MBGN	Biotite-chlorite-muscovite gneiss
119.95	130.19	10.24	MBGN	Muscovite-(biotite) gneiss w/ chlorite bands
130.19	145.57	15.38	BCSH	Chlorite schist

From (m)	To (m)	Interval (m)	Sample No.	REC %	Cu (ppm)	Pb (ppm)	Zn (ppm)	Ag (ppm)	Au (ppb)
107.91	109.56	1.65	N110851	99	35	8	104	<0.2	
109.56	111.21	1.65	N110852	85	30	12	104	<0.2	
111.21	112.86	1.65	N110853	98	28	12	110	<0.2	
112.86	114.51	1.65	N110854	100	58	16	196	0.2	
114.51	116.17	1.66	N110855	98	21	16	212	<0.2	
116.17	118.06	1.89	N110856	95	1	14	110	<0.2	
118.06	119.95	1.89	N110857	100	1	14	104	<0.2	
119.95	121.92	1.97	N111293	86	42	18	218	0.2	
121.92	123.54	1.62	N111294	100	18	22	156	<0.2	
123.54	125.24	1.70	N111295	97	29	20	96	<0.2	
125.24	126.94	1.70	N111296	100	17	14	112	<0.2	
126.94	128.64	1.70	N111297	90	30	6	120	<0.2	
128.64	130.19	1.55	N111298	93	17	6	96	<0.2	
142.07	143.82	1.75	N110858	99	14	8	70	<0.2	
143.82	145.57	1.75	N110859	97	14	16	112	<0.2	

SYNOPTIC LOG Hole: HT96-02 Property: Hat Trick

FINLAYSON PROJECT

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)
145.57	155.79	10.22	MBSH	Quartz-muscovite-biotite schist										
					145.57	147.27	1.70	N110860	100	2	10	102	<0.2	
					147.27	148.97	1.70	N110861	100	2	12	120	<0.2	
					148.97	150.67	1.70	N110862	99	8	10	122	<0.2	
					150.67	152.40	1.73	N110863	100	6	10	296	<0.2	
					152.40	154.10	1.70	N110864	96	6	8	148	<0.2	
					154.10	155.79	1.69	N110865	99	55	12	306	<0.2	
155.79	156.71	0.92	MBSH	Biotite-muscovite schist										
					155.79	156.71	0.92	N110866	100	20	18	396	<0.2	
156.71	164.25	7.54	QSSH	Quartz-muscovite (sericite) schist										
					156.71	158.35	1.64	N110867	99	241	502	756	2.4	
					158.35	159.95	1.60	N110868	99	623	94	510	3.2	
					159.95	161.63	1.68	N110869	100	44	114	104	0.4	
					161.63	163.07	1.44	N110870	98	44	174	26	0.4	
					163.07	164.25	1.18	N110871	100	84	30	118	<0.2	
164.25	166.50	2.25	MBSH	Sheared musc-biotite schist and musc schist										
					164.25	165.40	1.15	N110872	98	77	124	280	0.4	
					165.40	166.50	1.10	N110873	97	55	246	110	1.0	
166.50	167.43	0.93	MBSH	Biotite-muscovite schist										
					166.50	167.43	0.93	N110874	99	147	50	1290	0.8	
167.43	171.11	3.68	QSSH	Quartz-muscovite (sericite) schist										
					167.43	168.66	1.23	N110875	100	339	794	2020	3.4	
					168.66	169.89	1.23	N110876	100	410	726	1465	2.6	
					169.89	171.11	1.22	N110877	98	144	292	160	1.2	
171.11	175.98	4.87	MSRH	Banded rhyolite or felsic volcanic										
					171.11	172.86	1.75	N110878	91	<2	6	90	<0.2	
					172.86	174.61	1.75	N110879	100	84	14	572	0.4	
175.98	180.10	4.12	BCSH	Chlorite-muscovite-biotite schist										
					175.98	178.04	2.06	N110880	100	100	10	400	0.6	
					178.04	180.10	2.06	N110881	100	100	10	400	0.6	

SYNOPTIC LOG
FINLAYSON PROJECT

Hole: HT96-02 Property: Hat Trick

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)
180.10	186.28	6.18	MBSH	Muscovite-biotite schist										
					180.10	182.16	2.06	N110882	99	41	8	164	0.2	
					182.16	184.22	2.06	N110883	100	43	8	262	0.2	
					184.22	186.28	2.06	N110884	100	84	8	186	0.6	
186.28	190.06	3.78	BCSH	Chlorite-(biotite) schist										
190.06	212.40	22.34	BCSH	Quartz-biotite-feldspar schist w/ chlorite "clots"										
212.40	212.84	0.44	MSRH	Banded and brecciated rhyolite										
212.84	216.03	3.19	BCSH	Chlorite-biotite-muscovite schist										
216.03	222.53	6.50	QSSH	Quartz-muscovite (sericite) schist										
222.53	228.56	6.03	MBSH	Quartz-muscovite-(biotite) schist										
228.56	243.84	15.28	BISH	Quartz-biotite schist with some chlorite "clots"										
				EOH										

SYNOPTIC LOG
FINLAYSON PROJECT
EXPATRIATE RESOURCES LTD.

Hole: HT96-03 Property: Hat Trick

Easting:	Northing:	Elevation:	Depth:
412329	6784983	1816	142.34

Logged by: Gill McDougall
Drilling Dates: July 13 - 15, 1996

Depth	Azimuth	Dip	Method
0.00	224	-50	Set
142.34		-43	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	3.05	3.05	CSDH	Casing										
3.05	3.26	0.21	MBGN	Muscovite biotite gneiss										
3.26	4.22	0.96	BISH	Biotite schist with epidote / "greenstone"										
4.22	7.21	2.99	MBGN	Muscovite-(biotite) gneiss										
7.21	16.72	9.51	MBGN	Muscovite -biotite gneiss										
16.72	26.39	9.67	BCSH	Chlorite-biotite schist or "greenstone"										
26.39	46.46	20.07	BCSH	Quartz-chlorite-biotite schist/ "greenstone"										
46.46	50.24	3.78	MBGN	Biotite-(muscovite) gneiss										
50.24	55.73	5.49	BCSH	Biotite-chl schist w/ calcite /"greenstone"										
55.73	59.09	3.36	MBGN	Muscovite-biotite gneiss										
59.09	64.91	5.82	BCSH	Qtz-bio-chl-(musc) schist w/ chl porphyroblasts										
64.91	70.00	5.09	MBSH	Qtz-musc-bio-(chl) schist w/ biotite "clots"										
70.00	75.03	5.03	BCSH	Qtz-bio-chl-(musc) schist w/ chl porphyroblasts										
75.03	76.37	1.34	MBSH	"Porphyritic" muscovite-biotite schist										
76.37	79.11	2.74	BCSH	"Porphyritic" chlorite-biotite schist										
					76.37	77.74	1.37	N110904	97	54	10	144	<0.2	< 5
					77.74	79.11	1.37	N110905	100	57	26	296	<0.2	< 5
79.11	81.50	2.39	MBSH	Quartz-muscovite-biotite schist										
					79.11	80.30	1.19	N110906	94	228	746	648	3.8	< 5
					80.30	81.50	1.20	N110907	100	364	350	3790	2.8	35
81.50	84.57	3.07	QSSH	Quartz sericite or muscovite schist										
					81.50	83.03	1.53	N110908	90	2260	3780	7540	15.6	< 5
					83.03	84.57	1.54	N110909	82	2280	7650	1.53 %	25.2	50
84.57	86.31	1.74	MBSH	Garnet-muscovite-biotite schist										
					84.57	86.31	1.74	N110910	77	203	1660	2480	5.8	10
86.31	87.57	1.26	QSSH	Quartz sericite or muscovite schist										
					86.31	87.57	1.26	N110911	98	682	3360	2250	8.2	15
87.57	91.92	4.35	BCSH	Chlorite-biotite schist										
					87.57	89.02	1.45	N110912	92	105	40	440	0.2	< 5
					89.02	90.47	1.45	N110913	100	61	50	264	0.2	< 5
					90.47	91.92	1.45	N110914	100	91	14	360	<0.2	< 5

SYNOPTIC LOG Hole: HT96-03 Property: Hat Trick

FINLAYSON PROJECT

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)
91.92	94.64	2.72	MBSH	Muscovite-biotite-(chlorite) schist										
					91.92	93.28	1.36	N110915	94	95	86	358	0.6	< 5
					93.28	94.64	1.36	N110916	94	301	50	284	0.2	< 5
94.64	96.04	1.40	BCSH	Chlorite-biotie schist										
					94.64	96.04	1.40	N110933	94	162	32	1140	0.2	< 5
96.04	100.09	4.05	QSSH	Quartz sericite or muscovite schist										
					96.04	97.39	1.35	N110917	93	704	208	560	1.4	< 5
					97.39	98.74	1.35	N110918	88	1805	596	1515	3.6	< 5
					98.74	100.09	1.35	N110919	97	1490	974	3310	4.8	< 5
100.09	107.19	7.10	MBSH	Biotite-muscovite schist w/ minor garnets										
					100.09	102.00	1.91	N110920	100	71	98	500	<0.2	< 5
					102.00	103.91	1.91	N110921	96	451	2420	2230	2.4	< 5
					103.91	105.83	1.92	N110922	95	1830	772	1490	3.2	< 5
					105.83	107.19	1.36	N110923	100	1085	412	4200	1.8	< 5
107.19	108.49	1.30	MSRH	Finely banded massive rhyolite										
					107.19	108.49	1.30	N110924	100	17	18	178	<0.2	< 5
108.49	109.91	1.42	MBSH	Muscovite-biotite schist										
					108.49	109.91	1.42	N110925	100	881	1020	8540	3.0	10
109.91	111.62	1.71	QSSH	Quartz sericite or muscovite schist										
					109.91	111.62	1.71	N110926	89	16	170	232	0.4	< 5
111.62	112.75	1.13	MBSH	Biotite-muscovite schist										
					111.62	112.75	1.13	N110934	100	695	1925	2430	3.2	< 5
112.75	114.20	1.45	QSSH	Quartz sericite or muscovite schist w/shears										
					112.75	114.20	1.45	N110927	66	207	660	834	2.2	< 5
114.20	118.90	4.70	BCSH	Biotite-muscovite-chlorite schist /"greenstone"										
					114.20	115.82	1.62	N110928	100	72	20	244	0.6	< 5
					115.82	117.34	1.52	N110929	90	3	10	66	<0.2	< 5
					117.34	118.90	1.56	N110930	98	16	4	392	0.4	< 5
118.90	123.07	4.17	BCSH	Biotite schist with chlorite porphyroblasts										
					118.90	120.70	1.80	N110931	83	12	6	664	<0.2	< 5
					120.70	122.50	1.80	N110932	95	19	8	114	<0.2	< 5
123.07	129.36	6.29	MBGN	Biotite-muscovite-(chlorite) gneiss										
129.36	142.34	12.98	BISH	Biotite schist with gneiss bands										
				EOH										

SYNOPTIC LOG
FINLAYSON PROJECT

Hole: HT96-04 Property: Hat Trick

EXPATRIATE RESOURCES LTD.

Easting:	Northing:	Elevation:	Depth:
412197	6785144	1821	152.40

Logged by: Gill McDougall
Drilling Dates: July 23 - 26, 1996

Depth	Azimuth	Dip	Method
0.00	219	-50	Brunton
152.40		-41	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	3.05	3.05	CSDH	Casing										
3.05	6.29	3.24	MBGN	Muscovite-biotite gneiss										
6.29	7.66	1.37	BCSH	Chlorite-biotite schist or "greenstone"										
7.66	10.87	3.21	MBGN	Muscovite-biotite gneiss										
10.87	12.94	2.07	MSRH	Finely banded but massive rhyolite										
12.94	16.30	3.36	MBGN	Muscovite-biotite gneiss										
16.30	26.96	10.66	BCSH	Chlorite-biotite schist or "greenstone"										
26.96	32.31	5.35	BCSH	Biotite-chlorite-(musc) schist /"greenstone"										
32.31	37.65	5.34	BCSH	Chlorite-biotite schist or "greenstone"										
37.65	41.90	4.25	BISH	Quartz-biotite-(chlorite) schist/"greenstone"										
41.90	43.63	1.73	BCSH	Chlorite-biotite schist or "greenstone"										
43.63	45.40	1.77	BCSH	Quartz-biotite-chlorite schist or "greenstone"										
45.40	47.29	1.89	BCSH	Chlorite-biotite schist or "greenstone"										
47.29	47.90	0.61	MBGN	Quartz-muscovite-(biotite-chlorite) gneiss										
47.90	49.02	1.12	BCSH	Quartz-biotite-chlorite schist or "greenstone"										
49.02	50.60	1.58	MBGN	Quartz-biotite-chlorite gneiss w/ magnetite										
50.60	52.22	1.62	BCSH	Quartz-biotite schist w/ chlorite porphyroblasts										
52.22	71.36	19.14	BCSH	Chlorite-bio quartz schist w/ chl. porphyroblasts										
71.36	72.75	1.39	MBSH	Porphyritic biotite-muscovite schist										
					71.36	72.75	1.39	N111109	100	25	16	100	0.2	
					72.75	74.07	1.32	N111110	97	45	12	184	1.0	
72.75	74.07	1.32	BCSH	Feldspar porphyry chl schist or "greenstone"										
74.07	74.69	0.62	QSSH	Sericite (muscovite)-quartz schist										
					74.07	74.69	0.62	N111111	95	69	20	52	2.4	
					74.69	75.87	1.18	N111112	100	340	42	564	2.8	
74.69	75.87	1.18	BCSH	Chlorite-biotite schist with pyrite /"greenstone"										
75.87	80.77	4.90	QSSH	Sericite (muscovite)-quartz schist										
					75.87	77.50	1.63	N111113	99	1200	264	1080	4.0	
					77.50	79.13	1.63	N111114	97	1815	20	456	1.2	
					79.13	80.77	1.64	N111115	93	1375	260	1915	3.0	

FINLAYSON PROJECT

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)
80.77	83.37	2.60	QSSH	Sericite (muscovite)-quartz-(biotite) schist										
					80.77	82.07	1.30	N111116	100	649	462	742	2.0	
					82.07	83.37	1.30	N111117	100	465	94	3350	1.4	
					83.37	83.82	0.45	N111118	100	58	12	128	<0.2	
83.37	83.82	0.45	QSSH	Sericite (muscovite)-quartz schist										
					83.82	85.31	1.49	N111119	75	62	12	136	0.4	
83.82	85.31	1.49	QSSH	Quartz-muscovite-(biotite) schist w/ py, mag										
85.31	90.22	4.91	QSSH	Quartz-sericite or muscovite schist										
					85.31	86.87	1.56	N111120	71	113	34	346	0.2	
					86.87	88.50	1.63	N111121	51	41	20	446	<0.2	
					88.50	90.22	1.72	N111122	100	179	16	212	0.4	
90.22	95.56	5.34	BCSH	Quartz-bio-chlorite-(musc) schist /"greenstone"										
					90.22	92.00	1.78	N111123	80	857	184	2820	2.6	
					92.00	93.78	1.78	N111124	97	242	104	1225	0.8	
					93.78	95.56	1.78	N111125	82	362	32	4340	1.0	
					95.56	96.82	1.26	N111126	87	5	10	122	<0.2	
95.56	96.82	1.26	MSRH	Finely banded rhyolite										
					96.82	97.95	1.13	N111127	100	14	12	252	<0.2	
96.82	97.95	1.13	MBSH	Quartz-muscovite-biotite schist										
					97.95	98.73	0.78	N111128	94	18	10	166	<0.2	
97.95	98.73	0.78	MSRH	Banded rhyolite w/ magnetite porphyroblasts										
98.73	109.48	10.75	MBSH	Quartz-muscovite-biotite schist /"greenstone"										
					98.73	100.73	2.00	N111129	91	68	98	208	0.2	
109.48	110.72	1.24	MSRH	Banded rhyolite or quartz-sericite rock										
110.72	114.56	3.84	BCSH	Biotite-chlorite-(musc) schist or "greenstone"										
114.56	124.49	9.93	MBGN	Biotite-muscovite gneiss										
124.49	137.60	13.11	BISH	Biotite-chlorite-(musc) schist w/ gneiss bands										
137.60	137.96	0.36	QTVN	Quartz vein										
137.96	144.54	6.58	MSRH	Finely banded rhyolite										
					140.30	142.63	2.33	N111130	100	3	2	94	<0.2	
144.54	147.02	2.48	BCSH	Chlorite-biotite schist with quartz veins										
147.02	148.75	1.73	MBGN	Biotite-muscovite gneiss w/ rhyolite bands										
148.75	150.38	1.63	BISH	Biotite-(chlorite) schist or "greenstone"										

SYNOPTIC LOG Hole: HT96-04 Property: Hat Trick

FINLAYSON PROJECT

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)
150.38	152.40	2.02	MBGN	Biotite-muscovite gneiss										
				EOH										

SYNOPTIC LOG
FINLAYSON PROJECT
EXPATRIATE RESOURCES LTD.

Hole: HT96-05 Property: Hat Trick

Easting:	Northing:	Elevation:	Depth:
412379	6785055	1772	246.28

Logged by: Gill McDougall
Drilling Dates: August 7 - 12, 1996

Depth	Azimuth	Dip	Method
0.00	210	-60	Brunton
246.28		-48	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	1.22	1.22	CSDH	Casing										
1.22	14.25	13.03	MBGN	Biotite-muscovite augen gneiss										
14.25	15.01	0.76	QSGN	Quartz-muscovite gneiss w/ trace py										
15.01	51.07	36.06	MBGN	Muscovite-biotite augen gneiss										
51.07	51.21	0.14	BISH	Biotite schist										
51.21	53.69	2.62	MBGN	Muscovite-biotite gneiss w/ qtz-musc patches										
53.69	55.14	1.45	MBGN	Altered muscovite-biotite gneiss										
55.14	57.46	2.32	QSGN	Quartz-muscovite gneiss										
57.46	71.97	14.51	MBGN	Biotite-muscovite gneiss										
71.97	74.40	2.43	QSGN	Quartz-muscovite gneiss										
74.40	75.90	1.50	MBGN	Altered muscovite-biotite gneiss										
75.90	78.63	2.73	QSGN	Quartz-muscovite gneiss										
78.63	80.50	1.87	MBGN	Muscovite-biotite gneiss										
80.50	87.81	7.31	BCSH	Chlorite-biotite schist or "greenstone"										
87.81	90.08	2.27	MBGN	Muscovite-biotite gneiss										
90.08	93.27	3.19	BCSH	Chlorite-biotite schist or "greenstone"										
93.27	115.02	21.75	MBGN	Muscovite-biotite gneiss										
115.02	144.32	29.30	BCSH	Chlorite-biotite-(muscovite) schist /"greenstone"										
144.32	149.12	4.80	MBGN	Muscovite-bio gneiss w/ chl-bio schist bands										
149.12	154.31	5.19	BCSH	Chlorite-biotite schist or "greenstone"										
154.31	164.85	10.54	MBSH	Quartz-biotite-muscovite schist										
164.85	168.80	3.95	BCSH	Porphyritic chl-bio-musc schist w/ magnetite										
168.80	173.08	4.28	MBSH	Porphyritic muscovite-biotite schist										
173.08	179.46	6.38	QSSH	Quartz-muscovite(sericite) schist w/ dissem py										
					173.08	174.67	1.59	N111131	87	34	38	488	0.2	
					174.67	176.27	1.60	N111132	100	288	244	870	3.2	
					176.27	177.86	1.59	N111133	98	264	616	1025	4.2	
					177.86	179.46	1.60	N111134	79	247	1625	1430	5.8	
179.46	180.42	0.96	MBSH	Muscovite-biotite schist										
					179.46	180.42	0.96	N111135	90	12	18	226	<0.2	

SYNOPTIC LOG Hole: HT 96-05 Property: Hat Trick

FINLAYSON PROJECT

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)
180.72	185.98	5.26	BCSH	Chlorite-musc-bio schist w/ magnetite and py										
					180.42	182.28	1.86	N111136	93	21	12	184	<0.2	
					182.28	184.14	1.86	N111137	94	10	12	224	<0.2	
					184.14	185.98	1.84	N111138	100	76	18	436	<0.2	
185.98	187.04	1.06	MBSH	Muscovite-biotite schist										
					185.98	187.04	1.06	N111139	100	502	24	564	0.8	
187.04	192.78	5.74	QSSH	Quartz-muscovite(sericite) schist w/ dissem py										
					187.04	188.95	1.91	N111140	97	621	72	360	0.6	
					188.95	190.85	1.90	N111141	96	205	114	464	0.8	
					190.85	192.78	1.93	N111142	85	550	224	2030	1.2	
192.78	195.45	2.67	MSRH	Massive but banded rhyolite										
					192.78	194.15	1.37	N111143	91	34	278	110	0.6	
					194.15	195.45	1.30	N111144	95	20	14	88	<0.2	
195.45	197.26	1.81	MSRH	Muscovite-rich massive rhyolite										
					195.45	197.26	1.81	N111145	100	157	456	776	0.8	
197.26	202.80	5.54	QSSH	Quartz-muscovite(sericite) schist w/ dissem py										
					197.26	199.03	1.77	N111146	94	68	32	254	0.2	
					199.03	201.07	2.04	N111147	91	50	72	176	0.2	
					201.07	202.80	1.73	N111148	95	115	728	1700	2.0	
202.80	205.87	3.07	MSRH	Massive rhyolite										
					202.80	204.33	1.53	N111149	86	17	10	42	<0.2	
					204.33	205.87	1.54	N111150	87	2	12	40	<0.2	
205.87	209.73	3.86	MBSH	Quartz-muscovite schist with only minor biotite										
					205.87	207.80	1.93	N111201	96	48	12	100	<0.2	
					207.80	209.73	1.93	N111202	100	25	10	98	<0.2	
209.73	215.71	5.98	MBSH	Muscovite-biotite schist with biotite "clots"										
					209.73	211.48	1.75	N111203	100	31	4	76	<0.2	
					211.48	213.23	1.75	N111204	95	52	<2	94	<0.2	
215.71	219.87	4.16	MBSH	Muscovite-quartz schist with minor biotite										
					215.71	217.79	2.08	N111205	97	1	2	110	<0.2	
					217.79	219.87	2.08	N111206	100	7	2	108	<0.2	
219.87	220.84	0.97	MBGN	Muscovite-biotite gneiss										
220.84	243.15	22.31	BCSH	Biotite-chlorite schist with chlorite "clots"										
243.15	246.28	3.13	MSRH	Massive finely banded rhyolite										
				EOH										

HT96-01	DEPTH (m)	MAG SUS *10-3 SI	ROCK TYPE
	20.70	0.90	MBGN
	29.77	1.57	BCSH
	37.04	1.59	BCSH
	45.07	2.93	BCSH
	50.42	3.08	BCSH
	53.52	6.40	MBGN
	57.20	6.66	BCSH
	61.56	0.09	MBGN
	64.13	19.10	BCSH
	67.63	33.00	QTVN
	76.07	38.60	BCSH
	83.74	65.40	MBGN
	85.71	0.29	BRRH
	88.36	11.90	MBSH
	91.13	0.00	QTVN
	92.38	13.70	MBGN
	93.52	55.30	MBSH
	97.12	6.59	QSSH
	100.93	0.47	QSSH
	102.03	9.25	QSSH
	104.78	0.05	QSSH
	108.03	0.44	BISH
	112.76	0.00	QSSH
	117.41	2.88	MSRH
	121.46	6.45	MSRH
	125.37	26.60	MBSH
	130.48	0.67	BCSH
	137.53	0.87	MBSH
	144.49	11.10	BCSH
	153.47	4.22	BCSH
	161.46	2.86	MBSH
	169.02	8.50	MSRH
	173.76	4.97	MSRH
	177.58	0.22	MBSH
	182.03	14.90	MSRH
	184.75	0.24	MBSH
	186.88	11.10	MSRH
	191.84	4.98	MSRH
	197.33	9.74	MSRH
	205.90	9.04	BISH
			End of Hole

HT96-02	DEPTH (m)	MAG SUS *10-3 SI	ROCK TYPE
	6.75	0.60	BCSH
	8.53	0.78	BCSH
	9.87	0.62	MBGN
	11.21	0.05	MBGN
	12.64	0.05	MBGN
	14.04	0.14	MBGN
	15.44	0.05	MBGN
	16.84	0.18	MBGN
	18.17	0.18	MBGN
	19.45	2.36	MBGN
	20.72	2.46	MBGN
	20.01	0.01	MBGN
	23.28	0.16	MBGN
	24.53	0.07	MBGN
	25.60	3.47	MBGN
	26.85	0.49	MBGN
	28.35	0.03	MBGN
	29.74	0.00	MBGN
	31.13	0.43	MBGN
	32.52	0.09	MBGN
	33.89	2.17	BCSH
	35.26	0.53	BCSH
	36.63	0.32	BCSH
	38.00	0.53	BCSH
	39.32	0.69	BCSH
	40.84	45.20	BCSH
	42.06	2.08	BCSH
	43.41	58.20	BCSH
	44.91	9.11	BCSH
	46.55	4.46	BCSH
	48.19	0.45	BCSH
	49.83	26.80	BCSH
	51.06	2.10	BCSH
	51.90	15.10	BCSH
	52.74	28.10	BCSH
	53.58	1.17	BCSH
	54.75	0.53	BCSH
	56.30	0.62	BCSH
	57.85	0.53	BCSH
	59.40	0.80	BCSH
	60.71	1.33	BCSH
	62.18	15.20	BCSH
	63.70	6.20	BCSH

HT96-02	DEPTH (m)	MAG SUS *10-3 SI	ROCK TYPE
	65.23	1.02	BCSH
	66.40	0.56	BCSH
	67.82	0.65	BCSH
	69.24	1.18	BCSH
	70.66	4.62	BCSH
	72.04	1.81	BCSH
	73.41	20.20	BCSH
	74.78	7.42	BCSH
	76.15	8.52	BCSH
	77.57	0.21	MBGN
	79.02	0.14	MBGN
	80.47	0.31	MBGN
	81.92	9.09	MBGN
	83.33	1.00	MBGN
	84.69	0.20	MBGN
	86.05	0.27	MBGN
	87.41	0.40	MBGN
	88.88	0.27	MBGN
	90.37	0.20	MBGN
	92.04	0.23	MBGN
	93.62	0.14	MBGN
	95.13	1.15	MBGN
	96.57	53.80	BCSH
	98.01	53.50	BCSH
	99.45	35.60	BCSH
	100.90	4.84	BCSH
	102.34	8.89	BCSH
	103.63	6.95	BCSH
	105.22	5.70	MBGN
	106.70	18.60	BCSH
	108.22	86.50	MBGN
	109.74	44.00	MBGN
	111.26	2.41	MBGN
	112.68	2.08	MBGN
	114.04	3.56	MBGN
	115.40	1.33	MBGN
	116.76	34.30	MBGN
	118.23	34.20	MBGN
	119.75	17.00	MBGN
	121.27	12.60	MBGN
	122.79	2.28	MBGN
	124.26	1.06	MBGN
	125.70	2.30	MBGN

HT96-02	DEPTH (m)	MAG SUS *10-3 SI	ROCK TYPE
	127.14	2.83	MBGN
	128.58	2.41	MBGN
	130.01	1.37	MBGN
	131.44	10.70	BCSH
	132.87	23.20	BCSH
	134.30	8.72	BCSH
	135.72	10.90	BCSH
	137.16	30.50	BCSH
	138.60	37.50	BCSH
	140.04	14.40	BCSH
	141.47	6.67	BCSH
	142.90	10.30	BCSH
	144.33	20.60	BCSH
	145.76	7.57	MBSH
	147.18	88.60	MBSH
	148.62	20.40	MBSH
	150.06	1.81	MBSH
	151.50	1.90	MBSH
	152.92	15.50	MBSH
	154.34	4.08	MBSH
	155.76	37.90	MBSH
	157.18	0.47	QSSH
	158.50	0.09	QSSH
	160.05	0.03	QSSH
	161.49	1.72	QSSH
	163.07	2.25	QSSH
	164.39	0.23	MBSH
	165.85	0.16	MBSH
	167.31	0.10	MBSH
	168.77	0.42	QSSH
	170.20	0.43	QSSH
	171.62	0.53	MSRH
	173.04	5.56	MSRH
	174.46	1.48	MSRH
	175.83	1.33	MSRH
	177.18	0.56	BCSH
	178.53	3.44	BCSH
	179.88	58.00	BCSH
	181.27	13.30	MBSH
	182.70	2.15	MBSH
	184.13	2.14	MBSH
	185.56	1.68	MBSH
	187.00	2.69	BCSH

HT96-02	DEPTH (m)	MAG SUS *10-3 SI	ROCK TYPE
	188.44	2.98	BCSH
	189.88	1.83	BCSH
	191.32	0.87	BCSH
	192.75	0.73	BCSH
	193.48	1.53	BCSH
	194.21	1.70	BCSH
	194.94	1.15	BCSH
	198.61	0.62	BCSH
	200.06	1.93	BCSH
	201.15	0.34	BCSH
	202.95	1.06	BCSH
	204.38	0.58	BCSH
	205.80	1.17	BCSH
	207.22	4.04	BCSH
	208.64	17.40	BCSH
	210.05	1.92	BCSH
	211.50	41.30	BCSH
	212.95	3.82	BCSH
	214.40	1.53	BCSH
	215.81	0.64	BCSH
	217.22	0.16	QSSH
	218.63	0.16	QSSH
	220.04	1.59	QSSH
	221.63	0.64	QSSH
	223.40	0.24	MBSH
	224.48	0.18	MBSH
	225.55	0.47	MBSH
	228.37	5.27	MBSH
	229.45	0.75	BISH
	230.53	0.53	BISH
	231.61	1.02	BISH
	232.85	1.20	BISH
	234.26	0.64	BISH
	235.67	1.04	BISH
	237.08	1.42	BISH
	238.54	1.90	BISH
	240.06	0.53	BISH
	241.58	0.49	BISH
	243.10	0.62	BISH

End of Hole

HT96-03	DEPTH (M)	MAG SUS *10-3 SI	ROCK TYPE
	3.66	0.60	BISH
	4.27	0.31	MBGN
	4.88	0.03	MBGN
	6.40	3.71	MBGN
	7.01	1.06	MBGN
	7.62	0.01	MBGN
	8.53	0.12	MBGN
	8.99	0.00	MBGN
	10.05	0.05	MBGN
	10.67	0.09	MBGN
	12.04	0.05	MBGN
	13.72	0.25	MBGN
	15.24	0.03	MBGN
	16.15	0.00	MBGN
	17.68	0.84	BCSH
	19.20	1.06	BCSH
	20.73	0.87	BCSH
	22.25	0.75	BCSH
	23.77	0.64	BCSH
	25.30	0.47	BCSH
	26.82	5.12	BCSH
	29.57	7.83	BCSH
	32.46	2.08	BCSH
	35.05	3.40	BCSH
	37.49	1.94	BCSH
	39.01	6.95	BCSH
	39.62	12.00	BCSH
	40.54	23.40	BCSH
	42.06	15.80	BCSH
	45.11	1.17	BCSH
	48.16	6.86	MBGN
	50.90	3.24	BCSH
	53.64	2.67	BCSH
	56.39	0.04	MBGN
	58.83	0.94	MBGN
	60.35	0.53	BCSH
	63.40	1.00	BCSH
	66.45	0.46	MBSH
	69.49	0.74	MBSH
	72.54	1.22	BCSH
	75.59	0.51	MBSH
	78.64	16.10	BCSH
	81.68	2.15	QSSH

HT96-03	DEPTH (M)	MAG SUS *10-3 SI	ROCK TYPE
	83.97	11.90	QSSH
	87.17	0.25	QSSH
	88.70	0.71	BCSH
	90.07	0.47	BCSH
	90.83	0.96	BCSH
	93.87	0.35	MBSH
	95.40	0.62	BCSH
	99.97	0.09	QSSH
	102.71	0.07	MBSH
	104.24	0.48	MBSH
	106.07	0.36	MBSH
	109.12	1.25	MBSH
	110.64	58.70	QSSH
	112.11	0.35	MBSH
	115.21	0.52	BCSH
	117.04	0.12	BCSH
	117.65	0.98	BCSH
	117.96	13.20	BCSH
	118.87	57.00	BCSH
	121.31	5.91	BCSH
	122.38	5.59	BCSH
	123.44	26.70	MBGN
	123.75	4.39	MBGN
	124.35	21.40	MBGN
	126.80	103.00	MBGN
	127.41	0.58	MBGN
	129.24	0.14	MBGN
	130.00	0.98	BISH
	132.59	0.91	BISH
	134.26	47.00	BISH
	136.55	0.60	BISH
	137.31	0.10	BISH
	139.14	0.54	BISH
	142.19	0.84	BISH
	145.39	0.51	BISH
			End of Hole

HT96-04	DEPTH (M)	MAG SUS *10-3 SI	ROCK CODE
	3.66	0.06	MBGN
	5.18	0.40	MBGH
	6.55	2.99	BCSH
	7.92	1.95	MBGN
	8.84	0.02	MBGN
	9.45	0.05	MBGN
	10.97	9.82	MSRH
	12.34	12.30	MSRH
	13.11	0.06	MBGN
	14.63	0.15	MBGN
	16.15	0.08	MBGN
	17.68	0.79	BCSH
	18.29	0.56	BCSH
	19.20	0.54	BCSH
	20.73	0.48	BCSH
	22.25	1.00	BCSH
	23.77	0.73	BCSH
	25.30	0.65	BCSH
	26.82	0.49	BCSH
	28.35	1.21	BCSH
	29.87	24.10	BCSH
	30.33	38.30	BCSH
	31.39	13.30	BCSH
	32.92	1.33	BCSH
	34.44	0.57	BCSH
	35.36	0.41	BCSH
	36.88	0.59	BCSH
	37.49	0.51	BCSH
	38.71	18.40	BISH
	40.23	7.44	BISH
	41.61	17.80	BISH
	42.37	0.68	BCSH
	42.98	0.58	BCSH
	43.59	0.71	BCSH
	45.11	24.20	BCSH
	46.63	7.00	BCSH
	48.16	74.60	BCSH
	49.68	298.00	MBGN
	50.60	148.00	MBGN
	54.25	0.85	BCSH
	56.69	0.46	BCSH
	58.83	0.61	BCSH
	60.35	0.73	BCSH

HT96-04	DEPTH (M)	MAG SUS *10-3 SI	ROCK CODE
	63.40	0.81	BCSH
	65.07	0.58	BCSH
	67.97	0.56	BCSH
	69.49	1.98	BCSH
	71.32	5.86	BCSH
	73.76	8.20	BCSH
	75.59	0.33	BCSH
	77.72	0.07	QSSH
	80.06	0.00	QSSH
	83.82	0.61	QSSH
	86.26	0.09	QSSH
	88.39	0.13	QSSH
	90.22	0.09	QSSH
	91.29	0.23	BCSH
	93.27	0.35	BCSH
	94.49	0.33	BCSH
	96.32	32.80	MSRH
	96.93	1.32	MBSH
	98.76	35.60	MBSH
	99.97	3.89	MBSH
	103.02	0.71	MBSH
	105.16	1.48	MBSH
	106.07	27.20	MBSH
	107.53	67.30	MBSH
	109.12	50.70	MBSH
	111.56	18.90	BCSH
	112.17	30.80	BCSH
	113.39	5.14	BCSH
	115.21	12.90	MBGN
	118.26	1.29	MBGN
	121.31	0.75	MBGN
	121.62	0.14	MBGN
	122.22	3.94	MBGN
	124.36	2.66	MBGN
	126.49	10.60	BISH
	129.54	0.38	BISH
	132.59	0.19	BISH
	134.11	0.26	BISH
	136.55	0.76	BISH
	138.99	0.09	MSRH
	141.12	0.03	MSRH
	142.65	0.14	MSRH
	144.17	0.05	MSRH

HT96-04	DEPTH (M)	MAG SUS *10-3 SI	ROCK CODE
	145.08	0.07	BCSH
	146.00	0.25	BCSH
	148.29	0.02	MBGN
	150.57	1.72	MBGN
	152.43	0.10	MBGN
			End of Hole

HT96-05	DEPTH (M)	MAG SUS *10-3 SI	ROCK CODE
	1.30	4.69	MBGN
	3.00	3.11	MBGN
	6.00	2.69	MBGN
	7.62	2.16	MBGN
	10.36	1.60	MBGN
	11.55	1.61	MBGN
	13.30	4.30	MBGN
	14.70	0.36	QSGN
	14.95	0.40	QSGN
	15.07	4.08	MBGN
	15.25	2.50	MBGN
	15.50	5.52	MBGN
	16.76	5.16	MBGN
	18.14	2.96	MBGN
	18.35	4.76	MBGN
	19.25	1.71	MBGN
	19.81	5.38	MBGN
	20.27	6.21	MBGN
	21.79	2.17	MBGN
	22.86	1.40	MBGN
	24.69	4.06	MBGN
	25.50	0.12	MBGN
	25.80	0.29	MBGN
	26.52	0.74	MBGN
	27.20	0.69	MBGN
	27.95	1.37	MBGN
	28.50	3.60	MBGN
	29.59	0.16	MBGN
	30.94	2.55	MBGN
	32.00	3.57	MBGN
	33.22	4.02	MBGN
	34.29	1.43	MBGN
	35.05	2.80	MBGN
	35.66	2.44	MBGN
	37.54	1.63	MBGN
	38.40	1.58	MBGN
	39.47	1.78	MBGN
	40.23	2.67	MBGN
	41.00	2.64	MBGN
	42.06	0.99	MBGN
	43.13	3.05	MBGN
	44.20	1.03	MBGN
	45.89	1.80	MBGN

HT96-05	DEPTH (M)	MAG SUS *10-3 SI	ROCK CODE
	46.63	1.07	MBGN
	47.70	1.90	MBGN
	48.61	2.04	MBGN
	49.55	0.82	MBGN
	50.60	1.25	MBGN
	51.14	0.59	BIAM
	51.25	1.95	MBGN
	52.73	1.25	MBGN
	53.25	0.71	MBGN
	53.95	0.13	MBGN
	54.20	0.11	MBGN
	54.86	0.16	MBGN
	56.24	2.51	QSGN
	57.00	4.48	QSGN
	57.56	0.10	MBGN
	58.67	0.12	MBGN
	60.05	0.09	MBGN
	60.96	0.16	MBGN
	62.48	0.22	MBGN
	64.01	0.13	MBGN
	66.45	0.09	MBGN
	69.49	0.16	MBGN
	71.63	0.13	MBGN
	73.15	0.14	QSGN
	74.07	0.15	QSGN
	74.30	0.27	QSGN
	74.45	0.19	MBGN
	74.95	0.10	MBGN
	75.65	0.13	MBGN
	75.90	0.14	QSGN
	76.66	1.40	QSGN
	77.11	6.23	QSGN
	78.03	9.17	QSGN
	78.60	2.08	QSGN
	79.10	0.11	MBGN
	79.25	0.17	MBGN
	79.63	0.18	MBGN
	80.01	0.21	MBGN
	80.70	0.41	BCSH
	81.53	0.28	BCSH
	83.52	0.39	BCSH
	85.34	0.44	BCSH
	86.72	0.38	BCSH

HT96-05	DEPTH (M)	MAG SUS *10-3 SI	ROCK CODE
	87.48	0.43	BCSH
	87.70	0.41	BCSH
	87.90	0.18	MBGN
	88.39	0.14	MBGN
	89.90	0.21	MBGN
	90.22	0.65	BCSH
	90.83	0.82	BCSH
	93.00	2.29	BCSH
	93.87	7.34	MBGN
	95.24	0.08	MBGN
	97.54	0.75	MBGN
	99.06	0.21	MBGN
	100.58	0.16	MBGN
	102.10	0.18	MBGN
	103.63	0.26	MBGN
	105.16	0.14	MBGN
	106.68	0.09	MBGN
	109.73	1.41	MBGN
	111.90	0.32	MBGN
	112.78	0.72	MBGN
	115.37	0.73	BCSH
	117.96	0.51	BCSH
	119.70	24.80	BCSH
	119.79	2.50	BCSH
	121.92	2.77	BCSH
	124.97	4.06	BCSH
	128.02	3.11	BCSH
	131.06	43.20	BCSH
	132.89	21.70	BCSH
	134.11	13.20	BCSH
	135.64	0.91	BCSH
	137.16	2.73	BCSH
	138.69	4.64	BCSH
	140.21	0.37	BCSH
	142.04	3.50	BCSH
	143.26	0.08	BCSH
	144.40	5.61	MBGN
	146.30	1.45	MBGN
	148.00	0.14	MBGN
	149.35	1.04	BCSH
	150.45	1.12	BCSH
	151.79	1.13	BCSH
	153.29	1.96	BCSH

HT96-05	DEPTH (M)	MAG SUS *10-3 SI	ROCK CODE
	154.84	27.50	MBSH
	156.37	3.12	MBSH
	157.89	43.20	MBSH
	159.49	13.80	MBSH
	161.09	26.00	MBSH
	161.78	35.30	MBSH
	164.44	19.00	MBSH
	164.95	34.20	BCSH
	167.64	3.37	BCSH
	168.70	7.18	BCSH
	168.95	14.70	MBSH
	170.69	24.70	MBSH
	172.67	0.31	MBSH
	173.74	0.17	QSSH
	174.96	0.01	QSSH
	176.78	0.03	QSSH
	178.82	0.09	QSSH
	179.22	0.09	QSSH
	179.60	69.20	MBSH
	180.60	41.20	MBSH
	180.90	2.71	BCSH
	181.97	1.64	BCSH
	184.10	1.09	BCSH
	185.80	0.40	BCSH
	186.10	0.42	MBSH
	186.55	0.39	MBSH
	187.00	0.31	MBSH
	187.20	0.39	QSSH
	188.98	0.10	QSSH
	189.53	0.14	QSSH
	192.02	0.01	QSSH
	192.88	6.58	MSRH
	194.31	2.94	MSRH
	195.07	4.85	MSRH
	195.50	2.03	MSRH
	196.49	108.00	MSRH
	197.10	51.00	MSRH
	198.12	13.80	QSSH
	199.03	3.62	QSSH
	200.25	1.78	QSSH
	202.08	1.06	QSSH
	204.22	0.86	MSRH
	205.72	25.10	MSRH

HT96-05	DEPTH (M)	MAG SUS *10-3 SI	ROCK CODE
	205.95	196.00	MBSH
	206.35	84.90	MBSH
	207.80	71.30	MBSH
	209.40	0.82	MBSH
	210.31	4.07	MBSH
	211.03	4.07	MBSH
	213.36	10.20	MBSH
	214.73	29.60	MBSH
	216.10	0.15	MBSH
	217.79	9.68	MBSH
	219.15	6.29	MBSH
	219.95	1.09	MBGN
	220.50	30.00	MBGN
	221.15	0.53	BCSH
	222.20	0.53	BCSH
	225.25	16.70	BCSH
	226.83	20.70	BCSH
	228.45	7.17	BCSH
	230.05	1.72	BCSH
	231.65	0.39	BCSH
	232.65	0.55	BCSH
	234.70	0.90	BCSH
	237.13	2.71	BCSH
	238.01	1.93	BCSH
	240.03	3.64	BCSH
	242.85	0.49	BCSH
	243.23	2.30	MSRH
	243.75	6.78	MSRH
	246.10	6.37	MSRH
	246.12	13.10	MSRH
			End of Hole

HT96-03

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

Core Diameter = 4.75 cm (NQ)
Core Radius = 2.375 cm
Cross-sectional Area = Pi • R2
= 0.0017721

DEPTH (m)	ROCK TYPE	LENGTH (m)	VOLTS (V)	AMPS	APPARENT RESISTIVITY
8.36	Muscovite-biotite gneiss	0.11	90.5	0.970	1.50
11.55	Muscovite-biotite gneiss	0.08	91.7	0.452	4.49
15.36	Muscovite-biotite gneiss	0.12	91.3	0.762	1.77
17.25	Chlorite-biotie schist	0.11	91.7	0.405	3.82
17.83	Chlorite-biotie schist	0.13	91.1	0.265	4.69
30.15	Quartz-chlorite-biotite schist	0.19	90.3	0.210	4.12
38.97	Quartz-chlorite-biotite schist	0.08	91.1	15.000	0.13
42.28	Quartz-chlorite-biotite schist	0.44	91.5	0.344	1.07
44.84	Quartz-chlorite-biotite schist	0.15	91.4	4.200	0.26
48.23	Biotite (muscovite gneiss	0.14	91.8	1.900	0.59
52.23	Biotite-chlorite schist	0.13	92.0	0.645	1.94
57.67	Muscovite-biotite gneiss	0.13	91.1	0.950	1.32
64.73	Quartz-musc-biotite w/biotite clots	0.30	91.8	0.061	8.89
66.30	Quartz-musc-biotite w/biotite clots	0.16	91.6	0.077	13.26
70.13	Quartz vein	0.12	91.9	1.700	0.80
70.96	Qtz-bio-chl schist w/ chlorite clots	0.13	92.3	0.200	6.29
71.55	Qtz-bio-chl schist w/ chlorite clots	0.14	92.4	0.104	11.66
72.45	Qtz-bio-chl schist w/ chlorite clots	0.11	92.3	0.114	13.04
74.66	Qtz-bio-chl schist w/ quartz augen	0.14	92.2	0.163	7.16
75.29	Muscovite-biotite schist, porphyritic	0.08	91.8	0.457	4.45
75.45	Muscovite-biotite schist, porphyritic	0.15	92.3	0.079	14.28
78.04	Chlorite-biotite schist, porphyritic	0.16	92.2	0.130	8.11
78.40	Chlorite-biotite schist, porphyritic	0.25	92.2	0.133	4.91
78.97	Chlorite-biotite schist, porphyritic	0.11	92.2	0.189	7.86
79.60	Qtz sericite schist w/ sulphide band	0.10	92.1	0.195	8.81
79.89	Quartz-muscovite-biotite schist	0.07	91.8	0.391	5.94
80.69	Quartz-muscovite-biotite schist	0.10	92.2	0.152	10.75
80.79	Quartz-muscovite-biotite schist	0.12	92.1	0.180	7.56
83.54	Quartz-sericite schist	0.07	91.9	0.324	7.18
83.74	Quartz-sericite schist	0.10	92.2	0.107	16.07
83.93	Quartz-sericite schist	0.09	91.9	0.318	6.02
84.01	Quartz-sericite schist	0.07	92.2	0.095	24.57
84.89	Garnet-muscovite-biotite schist	0.20	92.0	0.267	3.05
85.62	Garnet-muscovite-biotite schist	0.09	91.5	0.602	2.99
86.21	Garnet-muscovite-biotite schist	0.10	92.0	0.323	5.05
86.47	Chlorite-biotite schist	0.06	91.7	0.520	5.21
89.36	Chlorite-biotite schist	0.14	91.1	0.988	1.17
89.61	Chlorite-biotite schist	0.10	91.6	0.550	2.95
92.34	Chlorite-biotite schist	0.14	91.5	0.618	1.87
93.15	Chlorite-biotite schist	0.27	91.4	0.735	0.83
94.73	Chlorite-biotite schist	0.14	91.5	0.615	1.88
95.88	Chlorite-biotite schist	0.12	91.2	10.200	0.13
97.42	Quartz sericite schist	0.10	92.0	1.600	1.02
98.45	Quartz sericite schist	0.08	91.5	1.489	1.36
98.68	Quartz sericite schist	0.10	91.3	0.910	1.87
100.01	Quartz sericite schist	0.15	91.5	0.655	1.65
103.21	Garnet-muscovite-biotite schist	0.36	91.7	0.536	0.84
105.23	Garnet-muscovite-biotite schist	0.14	91.2	0.890	1.35
108.14	Rhyolite	0.36	91.3	0.852	0.53
109.08	Rhyolite	0.16	90.6	1.380	0.73
111.01	Quartz sericite schist	0.18	91.4	0.747	1.20

DEPTH (m)	ROCK TYPE	LENGTH (m)	VOLTS (V)	AMPS	APPARENT RESISTIVITY
111.27	Quartz sericite schist	0.12	91.2	0.975	1.44
112.09	Biotite-muscovite schist	0.85	91.1	1.079	0.18
112.37	Quartz sericite schist	0.13	91.3	0.970	1.28
114.50	Biotite-muscovite-chlorite schist	0.17	89.7	2.100	0.45
114.51	Biotite-muscovite-chlorite schist	0.19	92.0	1.200	0.72
116.10	Biotite-muscovite-chlorite schist	0.13	92.0	1.500	0.84
116.79	Biotite-muscovite-chlorite schist	0.25	92.1	1.070	0.61
119.53	Biotite schist w/ chlorite clots	0.26	91.4	0.700	0.89
119.92	Biotite schist w/ chlorite clots	0.12	91.3	0.810	1.66
122.91	Biotite schist w/ chlorite clots	0.14	91.6	0.550	2.11
124.74	Biotite-muscovite gneiss	0.09	91.2	0.900	2.00
125.23	Biotite-muscovite gneiss	0.10	90.7	1.240	1.30
128.55	Biotite-muscovite gneiss	0.10	92.3	9.200	0.17
132.50	Biotite schist	0.11	91.4	5.200	0.28
137.26	Biotite-muscovite gneiss	0.09	92.1	0.621	3.09
140.18	Biotite-muscovite gneiss	0.11	91.1	0.550	2.67
141.76	Biotite schist	0.07	91.0	1.040	2.22

End of Hole

HT96-05

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

Core Diameter = 4.75 cm (NQ)
Core Radius = 2.375 cm
Cross-sectional Area = Pi * R2
= 0.0017721

DEPTH (m)	ROCK TYPE	LENGTH (m)	VOLTS (V)	AMPS	APPARENT RESISTIVITY
1.49	Biotite-muscovite-feldspar gneiss	0.21	89.3	1.830	0.41
9.93	Biotite-muscovite-feldspar gneiss	0.22	87.2	3.900	0.18
10.13	Biotite-muscovite-feldspar gneiss	0.10	91.9	0.271	6.33
13.35	Biotite-muscovite-feldspar gneiss	0.16	91.5	0.377	2.69
20.08	Muscovite-biotite-feldspar gneiss	0.07	82.8	8.600	0.24
23.33	Muscovite-biotite-feldspar gneiss	0.17	91.5	1.828	0.52
26.67	Muscovite-biotite-feldspar gneiss	0.14	88.6	2.500	0.47
33.31	Muscovite-biotite-feldspar gneiss	0.19	91.6	0.980	0.87
39.39	Muscovite-biotite-feldspar gneiss	0.18	89.4	1.900	0.46
39.69	Muscovite-biotite-feldspar gneiss	0.12	91.6	1.292	1.05
48.74	Muscovite-biotite-feldspar gneiss	0.26	91.3	0.512	1.22
53.87	Altered muscovite-biotite gneiss	0.07	91.0	0.714	3.23
54.57	Altered muscovite-biotite gneiss	0.11	89.5	2.000	0.76
54.92	Altered muscovite-biotite gneiss	0.12	91.6	1.307	1.03
56.03	Quartz-muscovite gneiss	0.07	89.8	2.100	1.17
56.77	Quartz-muscovite gneiss	0.15	91.8	0.435	2.49
58.79	Biotite-muscovite-feldspar gneiss	0.13	91.2	0.579	2.15
61.23	Biotite-muscovite-feldspar gneiss	0.22	91.5	0.357	2.06
66.60	Biotite-muscovite-feldspar gneiss	0.29	91.6	0.280	2.00
67.82	Biotite-muscovite-feldspar gneiss	0.15	91.4	0.356	3.03
72.03	Quartz-muscovite gneiss	0.14	90.0	1.500	0.76
75.01	Altered muscovite-biotite gneiss	0.13	89.6	1.855	0.68
75.23	Altered muscovite-biotite gneiss	0.34	91.1	0.643	0.74
81.98	Chlorite-biotite schist or "greenstone"	0.10	91.2	3.300	0.52
82.11	Chlorite-biotite schist or "greenstone"	0.09	91.3	2.700	0.67
83.33	Chlorite-biotite schist or "greenstone"	0.13	91.2	3.900	0.32
84.86	Chlorite-biotite schist or "greenstone"	0.12	91.4	2.300	0.59
88.30	Muscovite-biotite gneiss	0.27	91.2	0.597	1.00
90.68	Chlorite-biotite schist or "greenstone"	0.30	91.5	0.545	0.99
94.60	Muscovite-biotite gneiss	0.14	90.4	1.230	0.93
99.48	Muscovite-biotite gneiss	0.12	89.9	1.580	0.84
102.13	Muscovite-biotite gneiss	0.14	90.3	1.330	0.86
110.33	Muscovite-biotite gneiss	0.26	90.9	0.745	0.83
116.47	Chlorite-biotite-(muscovite) schist /"greenstone"	0.33	91.0	0.665	0.73
119.67	Chlorite-biotite-(muscovite) schist /"greenstone"	0.24	90.8	0.811	0.83
124.87	Chlorite-biotite-(muscovite) schist /"greenstone"	0.19	90.6	1.006	0.86
132.49	Chlorite-biotite-(muscovite) schist /"greenstone"	0.18	85.8	4.900	0.17
139.73	Chlorite-biotite-(muscovite) schist /"greenstone"	0.18	91.3	2.600	0.35
139.89	Chlorite-biotite-(muscovite) schist /"greenstone"	0.13	90.3	12.500	0.10
144.40	Muscovite-bio gneiss w/ chl-bio schist bands	0.13	91.5	1.970	0.66
145.70	Muscovite-bio gneiss w/ chl-bio schist bands	0.19	89.9	1.746	0.48
148.40	Muscovite-bio gneiss w/ chl-bio schist bands	0.12	91.4	2.600	0.52
155.08	Quartz-biotite-muscovite schist	0.20	91.6	1.400	0.58
155.28	Quartz-biotite-muscovite schist	0.20	90.7	1.010	0.82
157.57	Quartz-biotite-muscovite schist	0.12	91.6	1.165	1.16
157.70	Quartz-biotite-muscovite schist	0.15	90.1	1.493	0.74
161.00	Quartz-biotite-muscovite schist	0.18	91.4	2.900	0.31
161.66	Quartz-biotite-muscovite schist	0.24	91.4	2.500	0.27
164.60	Quartz-biotite-muscovite schist	0.20	91.5	1.500	0.55
166.04	Porphyritic chl-bio-musc schist w/ magnetite	0.13	90.7	10.900	0.11

DEPTH (m)	ROCK TYPE	LENGTH (m)	VOLTS (V)	AMPS	APPARENT RESISTIVITY
166.39	Porphyritic chl-bio-musc schist w/ magnetite	0.19	90.0	1.524	0.55
169.61	Porphyritic muscovite-biotite schist	0.11	91.3	2.700	0.54
177.14	Quartz-muscovite(sericite) schist w/ dissem py	0.11	91.5	1.700	0.91
178.68	Quartz-muscovite(sericite) schist w/ dissem py	0.11	91.1	5.400	0.27
181.25	Chlorite-musc-bio schist w/ magnetite and py	0.13	91.5	2.100	0.59
181.69	Chlorite-musc-bio schist w/ magnetite and py	0.07	88.7	40.600	0.06
182.99	Chlorite-musc-bio schist w/ magnetite and py	0.14	91.0	3.400	0.35
185.14	Chlorite-musc-bio schist w/ magnetite and py	0.14	91.2	5.400	0.22
187.28	Quartz-muscovite(sericite) schist w/ dissem py	0.11	91.0	2.900	0.51
187.64	Quartz-muscovite(sericite) schist w/ dissem py	0.19	91.2	1.900	0.45
189.32	Quartz-muscovite(sericite) schist w/ dissem py	0.10	91.2	2.200	0.73
189.64	Quartz-muscovite(sericite) schist w/ dissem py	0.12	91.1	3.600	0.37
191.35	Quartz-muscovite(sericite) schist w/ dissem py	0.11	90.5	9.500	0.15
191.46	Quartz-muscovite(sericite) schist w/ dissem py	0.11	90.5	10.100	0.15
195.00	Massive but banded rhyolite	0.20	91.2	2.300	0.36
196.18	Muscovite-rich massive rhyolite	0.20	91.1	2.300	0.35
201.18	Quartz-muscovite(sericite) schist w/ dissem py	0.10	91.0	3.500	0.46
202.35	Quartz-muscovite(sericite) schist w/ dissem py	0.14	91.1	3.400	0.35
202.57	Quartz-muscovite(sericite) schist w/ dissem py	0.10	91.0	4.500	0.36
204.59	Massive rhyolite	0.12	91.0	4.300	0.31
204.85	Massive rhyolite	0.16	91.1	2.500	0.40
207.29	Quartz-muscovite schist with only minor biotite	0.20	91.2	2.300	0.35
208.77	Quartz-muscovite schist with only minor biotite	0.12	90.8	6.500	0.21
211.44	Muscovite-biotite schist with biotite "clots"	0.20	91.2	2.600	0.32
214.31	Muscovite-biotite schist with biotite "clots"	0.09	91.0	4.300	0.42
215.47	Muscovite-biotite schist with biotite "clots"	0.14	91.2	2.100	0.55
217.29	Muscovite-quartz schist with minor biotite	0.13	91.2	2.800	0.44
218.21	Muscovite-quartz schist with minor biotite	0.15	91.2	2.200	0.49
218.36	Muscovite-quartz schist with minor biotite	0.15	91.2	2.700	0.40
219.23	Muscovite-quartz schist with minor biotite	0.12	91.2	2.400	0.56
220.62	Muscovite-biotite gneiss	0.07	90.5	10.400	0.24
222.76	Biotite-chlorite schist with chlorite "clots"	0.20	91.1	3.100	0.26
225.59	Biotite-chlorite schist with chlorite "clots"	0.19	91.1	3.400	0.25
226.06	Biotite-chlorite schist with chlorite "clots"	0.35	91.0	3.500	0.13
229.05	Biotite-chlorite schist with chlorite "clots"	0.19	91.1	3.000	0.28
231.79	Biotite-chlorite schist with chlorite "clots"	0.15	90.9	4.900	0.23
234.44	Biotite-chlorite schist with chlorite "clots"	0.17	91.0	3.200	0.31
237.64	Biotite-chlorite schist with chlorite "clots"	0.15	91.1	3.000	0.36
240.58	Biotite-chlorite schist with chlorite "clots"	0.25	91.0	3.100	0.21
242.87	Biotite-chlorite schist with chlorite "clots"	0.17	91.0	3.300	0.29
244.23	Massive finely banded rhyolite	0.06	90.9	4.550	0.64
244.98	Massive finely banded rhyolite	0.11	91.0	3.600	0.43
245.99	Massive finely banded rhyolite	0.19	91.1	2.300	0.37
	End of Hole				

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 : HATTRICK
Comments:

Page Number : 1-A
Total Pages : 1
Certificate Date: 31-JUL-96
Invoice No. : I9625262
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9625262

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
N110764	208	226	< 0.2	2.05	2	230	< 0.5	6	3.68	< 0.5	21	33	17	4.23	< 10	< 1	0.60	< 10	1.85	1210	< 1
N110765	208	226	< 0.2	1.98	2	370	< 0.5	2	2.63	< 0.5	21	37	17	3.57	< 10	< 1	0.69	< 10	1.69	1225	< 1
N110766	208	226	< 0.2	1.76	< 2	460	< 0.5	2	0.80	< 0.5	5	42	4	5.08	10	< 1	0.44	10	1.35	240	< 1
N110767	208	226	< 0.2	1.90	2	230	< 0.5	< 2	0.88	< 0.5	8	44	5	4.67	10	< 1	0.20	10	1.40	200	< 1
N110768	208	226	< 0.2	2.44	12	150	0.5	< 2	1.24	< 0.5	5	56	5	5.49	10	< 1	0.26	30	1.25	265	1
N110769	208	226	< 0.2	2.12	2	90	< 0.5	< 2	0.68	< 0.5	8	60	7	5.32	< 10	< 1	0.31	20	1.26	250	2
N110770	208	226	4.8	1.02	10	50	< 0.5	< 2	0.60	6.0	18	92	54	3.05	< 10	1	0.42	< 10	0.14	260	11
N110771	208	226	0.4	1.29	12	190	0.5	4	1.50	< 0.5	14	56	18	4.82	< 10	< 1	0.33	< 10	0.26	935	< 1
N110772	208	226	0.2	0.44	2	60	< 0.5	< 2	0.63	< 0.5	2	191	15	0.94	< 10	< 1	0.09	< 10	0.09	155	< 1
N110773	208	226	< 0.2	2.59	8	360	0.5	2	1.45	< 0.5	9	101	4	2.52	< 10	< 1	0.68	< 10	0.83	340	1
N110774	208	226	< 0.2	1.62	2	410	< 0.5	2	1.00	< 0.5	11	89	1	4.18	< 10	< 1	0.70	< 10	0.70	570	< 1
N110775	208	226	1.0	1.12	22	90	< 0.5	2	0.74	< 0.5	31	67	29	3.41	< 10	< 1	0.50	10	0.30	875	5
N110776	208	226	0.6	0.95	12	90	< 0.5	2	0.69	< 0.5	16	65	12	3.16	< 10	< 1	0.44	< 10	0.18	360	3
N110777	208	226	7.0	0.81	16	60	< 0.5	2	0.78	1.5	19	83	32	3.37	< 10	< 1	0.32	< 10	0.15	395	15
N110778	208	226	3.0	1.36	14	80	< 0.5	2	0.56	0.5	19	79	18	4.51	< 10	< 1	0.68	< 10	0.50	1005	1
N110779	208	226	3.8	0.70	12	20	< 0.5	< 2	0.44	15.0	31	54	419	5.41	< 10	1	0.36	10	0.16	120	19
N110780	208	226	20.2	0.82	6	< 10	< 0.5	10	0.10	>100.0	62	43	3460	11.05	< 10	4	0.22	< 10	0.07	150	55
N110781	208	226	7.4	0.47	16	10	< 0.5	< 2	0.18	24.5	20	65	477	7.47	< 10	2	0.27	< 10	0.02	30	5
N110782	208	226	2.4	0.71	4	10	< 0.5	2	0.13	7.5	23	113	395	6.33	< 10	< 1	0.38	< 10	0.06	30	12
N110783	208	226	5.2	1.03	8	30	< 0.5	2	0.53	21.5	39	71	432	5.35	< 10	1	0.54	< 10	0.44	315	5
N110784	208	226	< 0.2	5.81	12	40	0.5	8	1.17	< 0.5	25	78	67	6.89	10	< 1	3.39	< 10	4.28	1690	1
N110785	208	226	1.6	0.74	24	10	< 0.5	< 2	0.71	4.0	21	69	146	5.90	< 10	< 1	0.37	< 10	0.20	195	2
N110786	208	226	2.8	0.67	34	10	< 0.5	2	0.41	5.0	24	93	267	6.30	< 10	< 1	0.34	< 10	0.04	65	4
N110787	208	226	2.0	0.58	14	10	< 0.5	2	0.40	3.5	24	106	193	5.55	< 10	< 1	0.31	< 10	0.08	145	3
N110788	208	226	6.8	0.61	22	10	< 0.5	6	0.21	10.0	31	115	901	5.75	< 10	1	0.32	< 10	0.02	45	8
N110789	208	226	20.2	0.46	2	30	< 0.5	< 2	0.18	42.5	12	146	2770	4.06	< 10	4	0.24	< 10	0.01	50	6
N110790	208	226	< 0.2	1.09	2	60	1.5	< 2	0.83	< 0.5	< 1	149	14	1.30	10	< 1	0.35	40	0.42	520	< 1
N110791	208	226	< 0.2	0.68	< 2	10	2.0	< 2	0.61	< 0.5	< 1	113	10	1.67	< 10	< 1	0.18	50	0.28	380	< 1
N110792	208	226	< 0.2	0.61	< 2	10	2.5	< 2	0.87	< 0.5	1	96	4	1.40	< 10	< 1	0.21	50	0.40	470	< 1
N110793	208	226	< 0.2	0.97	< 2	30	1.5	< 2	1.61	< 0.5	< 1	113	1	1.43	< 10	< 1	0.30	40	0.62	650	1
N110794	208	226	< 0.2	1.05	< 2	180	0.5	4	0.80	< 0.5	5	86	15	3.81	< 10	< 1	0.54	10	0.31	160	< 1
N110795	208	226	< 0.2	3.08	< 2	340	0.5	10	2.25	< 0.5	21	69	27	6.05	< 10	1	1.96	< 10	1.77	745	< 1
N110796	208	226	0.2	2.43	< 2	410	0.5	2	2.63	< 0.5	21	74	33	5.79	< 10	< 1	1.26	< 10	1.28	755	5
N110797	208	226	< 0.2	0.38	< 2	10	1.0	< 2	0.32	< 0.5	< 1	120	6	0.92	< 10	< 1	0.17	40	0.12	110	< 1
N110798	208	226	< 0.2	2.23	< 2	50	2.5	< 2	0.34	< 0.5	< 1	102	2	1.97	10	1	1.51	50	2.02	185	3
N110799	208	226	< 0.2	1.81	< 2	30	2.5	< 2	0.21	< 0.5	1	126	4	1.58	10	< 1	1.23	40	1.63	165	6
N110800	208	226	< 0.2	0.50	< 2	10	1.5	< 2	0.15	< 0.5	1	128	13	0.92	< 10	< 1	0.27	40	0.21	90	4
N110801	208	226	< 0.2	2.60	2	40	1.5	6	2.91	< 0.5	19	80	22	3.21	10	< 1	1.93	10	2.36	860	< 1

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N110764	208	226	0.14	10	1070	16	< 2	9	35	0.21	< 10	< 10	129	< 10	78
N110765	208	226	0.08	13	880	4	< 2	6	35	0.20	< 10	< 10	85	< 10	70
N110766	208	226	0.08	2	990	6	< 2	8	13	0.14	< 10	< 10	21	< 10	90
N110767	208	226	0.08	6	1020	18	< 2	7	12	0.10	< 10	< 10	29	< 10	106
N110768	208	226	0.08	5	1000	36	< 2	6	16	0.02	< 10	< 10	22	< 10	122
N110769	208	226	0.03	12	860	34	< 2	3	12	0.04	< 10	< 10	28	< 10	270
N110770	208	226	0.03	7	1490	558	< 2	3	9	0.07	< 10	< 10	37	< 10	628
N110771	208	226	0.01	3	2270	24	< 2	3	15	0.14	< 10	< 10	79	< 10	120
N110772	208	226	0.03	4	380	24	< 2	2	26	0.03	< 10	< 10	20	< 10	30
N110773	208	226	0.21	18	1190	42	2	5	75	0.13	< 10	< 10	67	< 10	150
N110774	208	226	0.04	4	2130	18	< 2	5	16	0.14	< 10	< 10	100	< 10	108
N110775	208	226	0.02	4	2390	18	< 2	4	10	0.12	< 10	< 10	47	< 10	146
N110776	208	226	0.02	4	2220	20	< 2	3	9	0.09	< 10	< 10	40	< 10	112
N110777	208	226	0.04	5	1490	476	< 2	3	9	0.10	< 10	< 10	35	< 10	562
N110778	208	226	0.01	3	1430	112	< 2	3	8	0.14	< 10	< 10	58	< 10	480
N110779	208	226	< 0.01	8	1740	502	< 2	1	6	0.01	< 10	< 10	19	< 10	3090
N110780	208	226	< 0.01	28	360	2460	6	1	3	< 0.01	< 10	10	7	10	>10000
N110781	208	226	< 0.01	12	790	2670	< 2	1	3	< 0.01	< 10	< 10	12	< 10	4690
N110782	208	226	< 0.01	12	520	278	< 2	2	5	< 0.01	< 10	< 10	20	< 10	1290
N110783	208	226	< 0.01	14	1280	2620	< 2	3	6	0.02	< 10	< 10	36	< 10	3980
N110784	208	226	0.10	7	1310	36	< 2	19	17	0.31	< 10	< 10	193	< 10	818
N110785	208	226	< 0.01	8	1700	470	< 2	2	6	0.01	< 10	< 10	26	< 10	1020
N110786	208	226	< 0.01	9	1390	100	< 2	2	4	< 0.01	< 10	< 10	22	< 10	1195
N110787	208	226	< 0.01	10	1090	288	< 2	2	4	< 0.01	< 10	< 10	19	< 10	1005
N110788	208	226	< 0.01	15	660	428	16	2	4	< 0.01	< 10	< 10	17	< 10	2240
N110789	208	226	< 0.01	10	230	4910	10	1	2	< 0.01	< 10	< 10	9	< 10	7110
N110790	208	226	0.05	3	190	30	< 2	< 1	15	0.02	< 10	< 10	6	< 10	144
N110791	208	226	0.07	3	110	24	< 2	< 1	8	0.01	< 10	< 10	8	< 10	150
N110792	208	226	0.07	2	90	8	< 2	< 1	6	0.04	< 10	< 10	6	< 10	108
N110793	208	226	0.07	3	180	12	< 2	< 1	16	0.02	< 10	< 10	6	< 10	98
N110794	208	226	0.01	11	850	12	< 2	4	10	0.15	< 10	< 10	55	< 10	64
N110795	208	226	0.01	17	800	24	< 2	12	35	0.34	< 10	< 10	85	< 10	336
N110796	208	226	0.01	19	910	26	< 2	12	49	0.21	< 10	< 10	66	< 10	466
N110797	208	226	0.09	1	190	8	< 2	< 1	10	0.02	< 10	< 10	6	< 10	34
N110798	208	226	0.06	5	130	4	< 2	< 1	14	0.06	< 10	< 10	6	< 10	158
N110799	208	226	0.05	6	90	10	< 2	< 1	11	0.05	< 10	< 10	4	< 10	116
N110800	208	226	0.12	3	100	2	< 2	< 1	8	0.01	< 10	< 10	7	< 10	56
N110801	208	226	0.02	12	1390	2	< 2	7	37	0.25	< 10	< 10	81	< 10	134

CERTIFICATION: Ian Pitcher

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1016 - 510 W. HASTINGS ST.
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Project : HATTRICK
Comments:

Certificate Date: 09-JAN-97
Invoice No. : I9710270
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9710270

SAMPLE	PREP CODE	Zn %
N110780	244 --	1.56

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Invoice No. : I9625925
P.O. Number :
Account : MPO

Project : HAT TRICK
Comments: ATTN: EXPATRIATE RESOURCES-WHITEHORSE FAX: E.R-VANCOUVER

CERTIFICATE OF ANALYSIS A9625925

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
N110851	205	294	< 0.2	1.88	< 2	450	< 0.5	4	0.51	< 0.5	12	61	35	5.29	10	< 1	0.96	30	1.20	265	1
N110852	205	294	< 0.2	2.07	2	410	< 0.5	2	0.66	< 0.5	13	128	30	3.74	< 10	< 1	0.89	10	1.13	215	1
N110853	205	294	< 0.2	1.38	4	280	< 0.5	2	0.70	< 0.5	11	119	28	1.81	< 10	< 1	0.65	10	0.43	75	5
N110854	205	294	0.2	2.16	< 2	440	< 0.5	4	0.69	< 0.5	12	105	58	3.95	< 10	< 1	1.00	10	1.13	140	3
N110855	205	294	< 0.2	2.01	< 2	350	< 0.5	6	0.51	< 0.5	11	125	21	4.62	< 10	< 1	0.71	10	1.35	250	1
N110856	205	294	< 0.2	1.91	4	240	< 0.5	2	0.65	< 0.5	5	73	1	4.15	10	< 1	0.39	30	1.33	405	1
N110857	205	294	< 0.2	1.94	< 2	360	< 0.5	2	0.66	< 0.5	6	80	1	3.79	10	< 1	0.53	20	1.30	480	1
N110858	205	294	< 0.2	2.52	< 2	230	< 0.5	< 2	1.14	< 0.5	16	93	14	4.16	< 10	< 1	0.32	< 10	2.29	290	1
N110859	205	294	< 0.2	2.98	2	100	< 0.5	2	2.06	< 0.5	17	77	14	4.86	10	< 1	0.19	< 10	2.23	495	1
N110860	205	294	< 0.2	1.64	< 2	470	0.5	6	0.76	< 0.5	3	87	2	3.71	< 10	< 1	0.59	10	0.67	360	1
N110861	205	294	< 0.2	1.93	< 2	610	0.5	4	0.72	< 0.5	7	63	2	4.29	< 10	< 1	0.90	10	0.78	435	1
N110862	205	294	< 0.2	2.13	< 2	590	0.5	4	1.30	< 0.5	8	118	8	3.05	< 10	< 1	0.94	10	0.71	550	2
N110863	205	294	< 0.2	2.61	< 2	630	0.5	4	1.20	< 0.5	4	67	6	3.85	< 10	< 1	1.40	10	1.22	920	2
N110864	205	294	< 0.2	1.55	< 2	510	< 0.5	2	0.94	< 0.5	9	45	6	3.44	< 10	< 1	0.93	< 10	0.57	330	1
N110865	205	294	< 0.2	2.26	6	290	0.5	8	0.85	< 0.5	18	35	55	5.00	< 10	< 1	1.42	< 10	1.10	615	1
N110866	205	294	< 0.2	3.61	4	400	0.5	8	1.05	< 0.5	11	43	20	6.44	< 10	< 1	2.01	< 10	1.97	1130	1
N110867	205	294	2.4	0.37	8	30	< 0.5	2	0.20	4.0	26	53	241	4.98	< 10	< 1	0.22	< 10	0.06	50	12
N110868	205	294	3.2	0.31	10	30	< 0.5	4	0.15	2.0	22	42	623	5.34	< 10	1	0.20	< 10	0.04	30	8
N110869	205	294	0.4	0.26	6	30	< 0.5	< 2	0.18	< 0.5	35	30	44	6.26	< 10	< 1	0.18	< 10	0.03	25	5
N110870	205	294	0.4	0.39	4	40	< 0.5	< 2	0.13	< 0.5	34	38	44	3.58	< 10	< 1	0.24	< 10	0.04	25	20
N110871	205	294	< 0.2	0.95	10	30	< 0.5	< 2	0.52	< 0.5	35	53	84	5.05	< 10	< 1	0.56	< 10	0.44	165	11
N110872	205	294	0.4	2.08	12	30	< 0.5	< 2	0.40	< 0.5	51	74	77	5.14	< 10	< 1	1.26	< 10	1.52	625	5
N110873	205	294	1.0	0.88	46	20	< 0.5	< 2	0.12	< 0.5	267	61	55	5.25	< 10	< 1	0.43	10	0.33	125	39
N110874	205	294	0.8	1.97	8	10	< 0.5	< 2	0.79	5.5	29	101	147	5.90	< 10	< 1	1.11	< 10	1.23	990	12
N110875	205	294	3.4	0.68	14	10	< 0.5	6	0.28	9.5	26	63	339	6.62	< 10	1	0.29	< 10	0.08	70	6
N110876	205	294	2.6	0.73	< 2	20	< 0.5	< 2	0.11	7.0	10	114	410	4.45	< 10	< 1	0.39	10	0.06	35	3
N110877	205	294	1.2	0.45	2	10	< 0.5	< 2	0.20	< 0.5	18	39	144	6.29	< 10	< 1	0.22	< 10	0.01	30	33
N110878	205	294	< 0.2	1.68	< 2	410	1.5	< 2	1.94	< 0.5	< 1	125	1	1.33	10	< 1	0.61	30	0.93	1205	1
N110879	205	294	< 0.2	0.98	< 2	120	0.5	< 2	0.99	< 0.5	< 1	114	< 1	1.32	< 10	< 1	0.50	30	0.72	815	1
N110880	205	294	0.4	3.99	< 2	260	1.0	2	1.34	< 0.5	31	138	84	5.37	< 10	1	1.47	< 10	2.93	1125	1
N110881	205	294	0.6	2.63	< 2	190	0.5	2	0.51	< 0.5	18	82	100	4.96	< 10	< 1	0.91	10	1.95	510	1
N110882	205	294	0.2	1.78	< 2	180	< 0.5	4	0.36	< 0.5	8	75	41	3.63	< 10	< 1	0.78	< 10	1.24	285	1
N110883	205	294	0.2	2.30	< 2	270	0.5	4	0.24	< 0.5	14	65	43	3.96	< 10	< 1	1.31	< 10	1.53	345	6
N110884	205	294	0.6	1.38	< 2	180	< 0.5	2	0.37	< 0.5	8	44	84	2.50	< 10	< 1	0.74	10	0.81	260	< 1

CERTIFICATION: Ian J. Bichler

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Page Number : 1-B
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Certificate Date: 07-AUG-96
Invoice No. : I9625925
P.O. Number :
Account : MPO

Project : HAT TRICK
Comments: ATTN: EXPATRIATE RESOURCES-WHITEHORSE FAX: E.R-VANCOUVER

CERTIFICATE OF ANALYSIS A9625925

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
N110851	205	294	0.07	6	1200	8	< 2	8	17	0.21	< 10	< 10	57	< 10	104
N110852	205	294	0.11	8	1280	12	< 2	8	43	0.20	< 10	< 10	75	< 10	104
N110853	205	294	0.05	5	2130	12	< 2	4	18	0.13	< 10	< 10	42	< 10	110
N110854	205	294	0.06	5	1560	16	< 2	7	27	0.21	< 10	< 10	101	< 10	196
N110855	205	294	0.04	6	1160	16	< 2	7	22	0.23	< 10	< 10	83	< 10	212
N110856	205	294	0.08	6	1170	14	< 2	6	16	0.17	< 10	< 10	33	< 10	110
N110857	205	294	0.10	7	1080	14	< 2	8	24	0.17	< 10	< 10	22	< 10	104
N110858	205	294	0.08	14	2050	8	< 2	9	25	0.16	< 10	< 10	115	< 10	70
N110859	205	294	0.11	16	2800	16	< 2	9	46	0.17	< 10	< 10	103	< 10	112
N110860	205	294	0.03	1	820	10	2	3	28	0.20	< 10	< 10	20	< 10	102
N110861	205	294	0.04	1	1030	12	< 2	3	25	0.20	< 10	< 10	36	< 10	120
N110862	205	294	0.08	1	1280	10	< 2	3	23	0.18	< 10	< 10	44	< 10	122
N110863	205	294	0.08	1	1410	10	< 2	4	21	0.24	< 10	< 10	73	< 10	296
N110864	205	294	0.03	3	2730	8	< 2	3	15	0.16	< 10	< 10	82	< 10	148
N110865	205	294	0.03	2	2090	12	< 2	4	13	0.25	< 10	< 10	109	< 10	306
N110866	205	294	0.03	1	2260	18	< 2	8	11	0.28	< 10	< 10	155	< 10	396
N110867	205	294	0.01	10	690	502	< 2	1	3	< 0.01	< 10	< 10	11	< 10	756
N110868	205	294	< 0.01	8	610	94	< 2	< 1	2	< 0.01	< 10	< 10	10	< 10	510
N110869	205	294	< 0.01	11	660	114	< 2	< 1	3	< 0.01	< 10	< 10	7	< 10	104
N110870	205	294	< 0.01	13	510	174	< 2	1	3	< 0.01	< 10	< 10	11	< 10	26
N110871	205	294	0.01	13	1670	30	< 2	3	5	0.02	< 10	< 10	29	< 10	118
N110872	205	294	0.02	17	880	124	< 2	6	8	0.09	< 10	< 10	61	< 10	280
N110873	205	294	< 0.01	80	430	246	< 2	3	5	0.01	< 10	< 10	25	< 10	110
N110874	205	294	0.03	10	870	50	< 2	7	9	0.09	< 10	< 10	71	< 10	1290
N110875	205	294	< 0.01	11	1230	794	< 2	2	4	< 0.01	< 10	< 10	19	< 10	2020
N110876	205	294	0.01	9	310	726	< 2	1	4	< 0.01	< 10	< 10	14	< 10	1465
N110877	205	294	< 0.01	13	560	292	< 2	1	4	< 0.01	< 10	< 10	11	< 10	160
N110878	205	294	0.12	5	170	12	< 2	< 1	24	0.06	< 10	< 10	6	< 10	120
N110879	205	294	0.07	3	160	6	< 2	< 1	8	0.06	< 10	< 10	7	< 10	90
N110880	205	294	0.04	33	1050	14	< 2	8	10	0.16	< 10	< 10	74	< 10	572
N110881	205	294	0.03	17	1020	10	< 2	5	7	0.17	< 10	< 10	80	< 10	400
N110882	205	294	0.03	10	500	8	< 2	4	5	0.19	< 10	< 10	65	< 10	164
N110883	205	294	0.05	13	640	8	< 2	5	5	0.20	< 10	< 10	89	< 10	262
N110884	205	294	0.03	10	430	8	< 2	3	6	0.17	< 10	< 10	65	< 10	186

CERTIFICATION: Hart Bichler

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Project : HAT TRICK
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Page Number : 1-A
Total Pages : 1
Certificate Date: 21-SEP-96
Invoice No. : I9631815
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9631815

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
N111293	205	226	0.2	2.16	2	410	< 0.5	< 2	0.57	< 0.5	20	117	42	4.10	< 10	< 1	0.68	10	1.57	385	5
N111294	205	226	< 0.2	2.44	2	350	< 0.5	< 2	0.67	< 0.5	21	90	18	3.84	< 10	< 1	0.57	< 10	1.62	610	3
N111295	205	226	< 0.2	3.07	< 2	240	< 0.5	< 2	1.30	0.5	39	96	29	3.55	< 10	< 1	0.96	< 10	1.24	285	11
N111296	205	226	< 0.2	2.66	< 2	450	< 0.5	< 2	1.25	< 0.5	28	71	17	3.54	10	< 1	0.43	10	1.82	260	1
N111297	205	226	< 0.2	2.11	4	850	< 0.5	< 2	1.14	< 0.5	15	60	30	3.07	10	< 1	0.67	10	1.48	150	< 1
N111298	205	226	< 0.2	2.19	2	530	< 0.5	< 2	0.90	< 0.5	14	56	17	2.88	< 10	< 1	0.51	< 10	1.89	295	< 1

CERTIFICATION: Stuart Bichler

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Invoice No. : I9631815
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9631815

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
N111293	205	226	0.03	19	1460	18	< 2	6	12	0.14	< 10	< 10	52	< 10	218
N111294	205	226	0.06	15	1220	22	< 2	5	23	0.14	< 10	< 10	46	< 10	156
N111295	205	226	0.22	14	1930	20	< 2	6	66	0.15	< 10	< 10	56	< 10	96
N111296	205	226	0.12	26	2390	14	< 2	9	54	0.12	< 10	< 10	88	< 10	112
N111297	205	226	0.08	19	1920	6	< 2	9	22	0.10	< 10	< 10	107	< 10	120
N111298	205	226	0.07	12	2450	6	< 2	7	16	0.11	< 10	< 10	85	< 10	96

CERTIFICATION: Ian Bichler

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Total Pages : 1
Certificate Date: 18-AUG-96
Invoice No. : 19627413
P.O. Number :
Account : MPO

Project : HAT TRICK
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CERTIFICATE OF ANALYSIS A9627413

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
NT96-03N110-904	205	226	< 0.2	2.91	< 2	170	< 0.5	< 2	1.44	< 0.5	18	97	54	3.43	< 10	< 1	0.25	< 10	1.81	280	1
NT96-03N110-905	205	226	< 0.2	4.78	< 2	1050	< 0.5	< 2	1.60	< 0.5	31	100	57	5.90	< 10	< 1	0.93	< 10	2.91	475	2
NT96-03N110-906	205	226	3.8	1.95	< 2	180	< 0.5	< 2	1.02	5.5	12	36	228	3.20	< 10	< 1	0.57	< 10	1.21	235	4
NT96-03N110-907	205	226	2.8	2.28	< 2	80	< 0.5	< 2	0.95	19.5	17	55	364	4.14	< 10	2	0.85	< 10	1.05	285	3
NT96-03N110-908	205	226	15.6	1.30	4	30	< 0.5	< 2	0.22	45.0	14	94	2260	4.33	< 10	5	0.49	10	0.11	50	53
NT96-03N110-909	205	226	25.2	0.67	6	30	< 0.5	2	0.24	80.0	15	57	2280	3.54	< 10	8	0.23	< 10	0.07	50	48
NT96-03N110-910	205	226	5.8	3.97	6	80	0.5	2	0.95	11.5	22	96	203	5.81	< 10	1	1.51	< 10	2.28	835	3
NT96-03N110-911	205	226	8.2	0.76	34	20	< 0.5	< 2	0.29	23.5	37	68	682	6.61	< 10	1	0.30	< 10	0.10	75	6
NT96-03N110-912	205	226	0.2	5.20	< 2	480	< 0.5	2	0.73	< 0.5	24	79	105	5.94	< 10	1	1.01	< 10	3.92	1055	2
NT96-03N110-913	205	226	0.2	5.31	< 2	130	< 0.5	< 2	0.61	< 0.5	35	55	61	6.75	< 10	< 1	0.33	< 10	4.72	1455	3
NT96-03N110-914	205	226	< 0.2	4.30	< 2	130	< 0.5	< 2	0.67	< 0.5	45	36	91	5.95	< 10	1	0.50	< 10	3.66	1000	2
NT96-03N110-915	205	226	0.6	4.47	2	20	0.5	2	1.22	0.5	31	70	95	8.86	< 10	< 1	1.18	< 10	3.16	1145	1
NT96-03N110-916	205	226	0.2	4.20	16	10	0.5	< 2	0.96	0.5	30	125	301	7.82	< 10	< 1	1.19	< 10	3.10	1260	1
NT96-03N110-917	205	226	1.4	2.59	8	10	< 0.5	2	0.54	1.5	25	45	704	8.18	< 10	< 1	0.70	< 10	2.25	800	3
NT96-03N110-918	205	226	3.6	0.79	2	20	< 0.5	6	0.28	6.0	18	69	1805	5.99	< 10	< 1	0.38	< 10	0.17	60	9
NT96-03N110-919	205	226	4.8	0.49	8	20	< 0.5	4	0.33	19.0	22	47	1490	5.97	< 10	1	0.24	< 10	0.17	70	17
NT96-03N110-920	205	226	< 0.2	4.25	4	50	0.5	< 2	1.21	< 0.5	24	43	71	5.40	< 10	< 1	1.84	< 10	2.39	790	2
NT96-03N110-921	205	226	2.4	4.88	< 2	30	0.5	2	1.25	20.5	24	52	451	6.98	< 10	< 1	1.78	< 10	2.93	1175	1
NT96-03N110-922	205	226	3.2	4.50	< 2	40	0.5	4	1.13	11.0	17	95	1830	5.76	< 10	1	2.06	< 10	2.43	1085	2
NT96-03N110-923	205	226	1.8	3.23	2	40	0.5	2	0.73	21.0	13	61	1085	5.13	< 10	< 1	1.67	< 10	1.85	1040	5
NT96-03N110-924	205	226	< 0.2	1.16	< 2	440	< 0.5	< 2	0.29	< 0.5	< 1	125	17	3.39	< 10	< 1	0.54	10	0.46	720	1
NT96-03N110-925	205	226	3.0	3.88	< 2	40	1.5	8	1.50	42.0	12	64	881	5.30	< 10	1	1.85	< 10	2.18	1715	5
NT96-03N110-926	205	226	0.4	0.91	20	30	< 0.5	< 2	0.37	0.5	11	65	16	4.90	< 10	< 1	0.45	< 10	0.12	105	7
NT96-03N110-927	205	226	2.2	1.06	< 2	80	< 0.5	< 2	0.55	5.0	6	94	207	2.69	< 10	1	0.33	< 10	0.15	95	3
NT96-03N110-928	205	226	0.6	5.06	< 2	230	0.5	4	1.38	< 0.5	15	69	72	5.07	< 10	< 1	1.11	< 10	3.15	625	1
NT96-03N110-929	205	226	< 0.2	3.02	< 2	160	< 0.5	2	0.97	< 0.5	9	52	3	6.18	< 10	1	1.11	< 10	2.00	370	1
NT96-03N110-930	205	226	0.4	2.94	< 2	190	0.5	2	1.37	< 0.5	8	28	16	4.01	< 10	< 1	1.12	< 10	2.35	460	< 1
NT96-03N110-931	205	226	< 0.2	2.35	< 2	150	0.5	2	0.97	< 0.5	22	68	12	4.58	< 10	< 1	0.73	< 10	2.21	615	1
NT96-03N110-932	205	226	< 0.2	2.89	< 2	250	0.5	2	1.48	< 0.5	15	95	19	4.68	< 10	< 1	0.96	10	2.63	465	1
NT96-03N110-933	205	226	0.2	5.91	30	10	< 0.5	< 2	0.80	0.5	33	40	162	10.55	< 10	1	0.90	< 10	5.23	2340	1
NT96-03N110-934	205	226	3.2	4.19	< 2	40	< 0.5	2	0.89	15.5	21	81	695	5.99	< 10	< 1	2.04	< 10	2.56	1170	1

CERTIFICATION: Hart Bichler

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Certificate Date: 18-AUG-96
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P.O. Number :
Account : MPO

Project : HAT TRICK
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CERTIFICATE OF ANALYSIS A9627413

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
NT96-03N110-904	205	226	0.09	7	970	10	< 2	4	41	0.13	< 10	< 10	89	< 10	144
NT96-03N110-905	205	226	0.15	15	1590	26	2	9	65	0.20	< 10	< 10	170	< 10	296
NT96-03N110-906	205	226	0.04	14	1780	746	2	4	14	0.10	< 10	< 10	63	< 10	648
NT96-03N110-907	205	226	0.05	13	1780	350	< 2	6	20	0.13	< 10	< 10	89	< 10	3790
NT96-03N110-908	205	226	< 0.01	12	540	3780	2	2	5	0.01	< 10	< 10	16	< 10	7540
NT96-03N110-909	205	226	< 0.01	14	720	7650	2	1	8	< 0.01	< 10	< 10	7	< 10	>10000
NT96-03N110-910	205	226	0.05	12	1510	1660	< 2	11	15	0.23	< 10	< 10	147	< 10	2480
NT96-03N110-911	205	226	< 0.01	13	800	3360	< 2	2	4	0.01	< 10	< 10	22	< 10	2250
NT96-03N110-912	205	226	0.04	9	1380	40	< 2	13	16	0.20	< 10	< 10	161	< 10	440
NT96-03N110-913	205	226	< 0.01	11	1410	50	< 2	11	7	0.12	< 10	< 10	138	< 10	264
NT96-03N110-914	205	226	0.01	12	1770	14	< 2	7	9	0.15	< 10	< 10	114	< 10	360
NT96-03N110-915	205	226	0.06	14	1580	86	< 2	13	33	0.15	< 10	< 10	183	< 10	358
NT96-03N110-916	205	226	0.04	17	1670	50	< 2	12	10	0.14	< 10	< 10	142	< 10	284
NT96-03N110-917	205	226	< 0.01	9	1420	208	< 2	5	2	0.10	< 10	< 10	79	< 10	560
NT96-03N110-918	205	226	< 0.01	6	1100	596	< 2	2	2	< 0.01	< 10	< 10	27	< 10	1515
NT96-03N110-919	205	226	< 0.01	7	1290	974	< 2	1	3	< 0.01	< 10	< 10	18	< 10	3310
NT96-03N110-920	205	226	0.08	8	1490	98	2	11	21	0.20	< 10	< 10	154	< 10	500
NT96-03N110-921	205	226	0.08	9	1490	2420	< 2	13	20	0.20	< 10	< 10	160	< 10	2230
NT96-03N110-922	205	226	0.12	6	1050	772	2	13	19	0.23	< 10	< 10	143	< 10	1490
NT96-03N110-923	205	226	0.06	3	950	412	< 2	9	16	0.22	< 10	< 10	108	< 10	4200
NT96-03N110-924	205	226	0.07	1	240	18	< 2	2	4	0.09	< 10	< 10	18	< 10	178
NT96-03N110-925	205	226	0.03	6	870	1020	< 2	8	28	0.24	< 10	< 10	96	< 10	8540
NT96-03N110-926	205	226	0.01	8	1050	170	< 2	2	3	0.01	< 10	< 10	23	< 10	232
NT96-03N110-927	205	226	0.02	6	540	660	< 2	2	9	0.03	< 10	< 10	22	< 10	834
NT96-03N110-928	205	226	0.07	9	960	20	< 2	10	57	0.27	< 10	< 10	120	< 10	244
NT96-03N110-929	205	226	0.06	9	1090	10	2	8	15	0.26	< 10	< 10	111	< 10	66
NT96-03N110-930	205	226	0.01	8	1160	4	< 2	6	11	0.20	< 10	< 10	91	< 10	392
NT96-03N110-931	205	226	0.03	10	1210	6	< 2	8	19	0.25	< 10	< 10	118	< 10	664
NT96-03N110-932	205	226	0.03	7	900	8	< 2	8	27	0.30	< 10	< 10	112	< 10	114
NT96-03N110-933	205	226	< 0.01	14	1390	32	2	15	4	0.15	< 10	< 10	145	< 10	1140
NT96-03N110-934	205	226	0.06	8	970	1925	2	12	10	0.22	< 10	< 10	127	< 10	2430

CERTIFICATION: Ian R Bichler

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CERTIFICATE OF ANALYSIS A9630449

SAMPLE	PREP CODE		Au ppb FA+AA
HT96-03N110-904	244	--	< 5
HT96-03N110-905	244	--	< 5
HT96-03N110-906	244	--	< 5
HT96-03N110-907	244	--	35
HT96-03N110-908	244	--	< 5
HT96-03N110-909	244	--	50
HT96-03N110-910	244	--	10
HT96-03N110-911	244	--	15
HT96-03N110-912	244	--	< 5
HT96-03N110-913	244	--	< 5
HT96-03N110-914	244	--	< 5
HT96-03N110-915	244	--	< 5
HT96-03N110-916	244	--	< 5
HT96-03N110-917	244	--	< 5
HT96-03N110-918	244	--	< 5
HT96-03N110-919	244	--	< 5
HT96-03N110-920	244	--	< 5
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HT96-03N110-923	244	--	< 5
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HT96-03N110-928	244	--	< 5
HT96-03N110-929	244	--	< 5
HT96-03N110-930	244	--	< 5
HT96-03N110-931	244	--	< 5
HT96-03N110-932	244	--	< 5
HT96-03N110-933	244	--	< 5
HT96-03N110-934	244	--	< 5

CERTIFICATION: Mark Vonk

* Sample prefix changed from NT96 to HT96 *

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CERTIFICATE OF ANALYSIS A9630099

SAMPLE	PREP CODE		Zn %									
HT96-03N110-909	244	--	1.53									

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* Sample prefix changed from NT96 to HT96 *

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CERTIFICATE OF ANALYSIS A9628776

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
N111109	205	226	0.2	3.56	< 2	320	< 0.5	< 2	1.30	< 0.5	26	68	25	4.67	10	< 1	1.04	< 10	2.51	325	< 1
N111110	205	226	1.0	5.26	8	460	< 0.5	< 2	0.79	< 0.5	23	49	45	5.79	10	< 1	0.74	< 10	3.93	465	< 1
N111111	205	226	2.4	0.93	18	30	< 0.5	< 2	0.37	< 0.5	32	37	69	5.24	< 10	< 1	0.38	< 10	0.22	60	< 1
N111112	205	226	2.8	4.96	6	70	< 0.5	2	0.94	1.5	24	69	340	6.76	10	< 1	1.21	< 10	3.39	1065	< 1
N111113	205	226	4.0	1.54	< 2	20	< 0.5	8	0.39	9.0	27	100	1200	6.98	< 10	< 1	0.54	< 10	0.93	310	16
N111114	205	226	1.2	1.72	2	40	< 0.5	< 2	0.29	1.5	27	70	1815	5.76	< 10	< 1	0.51	< 10	1.23	305	4
N111115	205	226	3.0	0.77	8	10	< 0.5	8	0.35	9.5	24	48	1375	7.14	< 10	1	0.29	< 10	0.49	145	8
N111116	205	226	2.0	1.70	12	30	< 0.5	8	0.74	3.5	23	76	649	5.45	< 10	< 1	0.71	< 10	0.99	375	6
N111117	205	226	1.4	2.59	6	40	0.5	2	1.01	16.0	25	56	465	4.82	< 10	1	0.91	< 10	1.53	640	6
N111118	205	226	< 0.2	1.16	2	70	< 0.5	< 2	0.15	1.0	20	43	58	2.86	< 10	< 1	0.52	< 10	0.12	40	13
N111119	205	226	0.4	0.86	16	90	< 0.5	< 2	0.21	< 0.5	21	64	62	2.83	< 10	< 1	0.38	10	0.39	155	5
N111120	205	226	0.2	0.76	24	50	< 0.5	< 2	0.32	0.5	30	88	113	2.92	< 10	< 1	0.21	10	0.41	160	31
N111121	205	226	< 0.2	1.14	2	130	< 0.5	< 2	0.12	< 0.5	11	48	41	2.60	< 10	< 1	0.36	40	0.61	210	< 1
N111122	205	226	0.4	0.50	28	40	< 0.5	< 2	0.24	< 0.5	50	33	179	5.83	< 10	< 1	0.24	10	0.13	70	6
N111123	205	226	2.6	3.41	6	50	0.5	4	0.63	20.5	27	94	857	6.56	10	< 1	0.85	< 10	2.67	1185	3
N111124	205	226	0.8	3.22	12	80	0.5	2	0.91	8.5	25	76	242	6.28	10	1	0.77	10	2.42	1240	< 1
N111125	205	226	1.0	5.00	16	60	1.0	< 2	1.15	33.5	29	90	362	7.26	10	1	1.61	< 10	3.35	1525	< 1
N111126	205	226	< 0.2	0.62	< 2	120	< 0.5	< 2	0.20	< 0.5	1	98	5	1.62	< 10	< 1	0.28	10	0.24	225	1
N111127	205	226	< 0.2	4.12	< 2	500	0.5	< 2	0.74	0.5	23	91	14	4.92	10	< 1	1.67	< 10	2.25	840	2
N111128	205	226	< 0.2	1.31	< 2	90	< 0.5	2	0.24	0.5	6	77	18	2.68	< 10	< 1	0.64	10	0.77	385	10
N111129	205	226	0.2	5.65	6	180	0.5	2	1.33	< 0.5	22	71	68	5.38	10	< 1	1.67	< 10	3.14	620	< 1
N111130	205	226	< 0.2	0.67	2	50	0.5	< 2	0.99	< 0.5	1	81	3	1.40	< 10	< 1	0.20	40	0.46	210	< 1

CERTIFICATION: Stewart Buchan

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Certificate Date: 28-AUG-96
Invoice No. : I9628776
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CERTIFICATE OF ANALYSIS A9628776

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
N111109	205	226	0.03	10	1400	16	2	8	21	0.25	< 10	< 10	139	< 10	100
N111110	205	226	0.04	10	1410	12	4	9	10	0.11	< 10	< 10	128	< 10	184
N111111	205	226	0.03	12	1050	20	2	3	4	0.01	< 10	< 10	32	< 10	52
N111112	205	226	0.07	10	1430	42	< 2	11	13	0.13	< 10	< 10	147	< 10	564
N111113	205	226	0.03	9	1210	264	2	4	4	0.01	< 10	< 10	51	< 10	1080
N111114	205	226	0.03	8	1050	20	2	4	4	0.01	< 10	< 10	49	< 10	456
N111115	205	226	0.01	8	1130	260	< 2	1	3	0.01	< 10	< 10	24	< 10	1915
N111116	205	226	0.05	8	1340	462	< 2	5	8	0.03	< 10	< 10	59	< 10	742
N111117	205	226	0.11	7	1390	94	6	7	19	0.05	< 10	< 10	80	< 10	3350
N111118	205	226	0.06	9	570	12	< 2	3	6	< 0.01	< 10	< 10	26	< 10	128
N111119	205	226	0.01	6	580	12	4	1	4	0.01	< 10	< 10	14	< 10	136
N111120	205	226	0.02	12	640	34	< 2	1	4	< 0.01	< 10	< 10	17	< 10	346
N111121	205	226	0.03	6	320	20	< 2	1	4	< 0.01	< 10	< 10	19	< 10	446
N111122	205	226	0.01	13	1010	16	2	1	4	< 0.01	< 10	< 10	17	< 10	212
N111123	205	226	0.02	8	1480	184	2	8	4	0.06	< 10	< 10	114	< 10	2820
N111124	205	226	0.02	7	1390	104	2	8	6	0.06	< 10	< 10	107	< 10	1225
N111125	205	226	0.06	8	1610	32	< 2	15	10	0.16	< 10	< 10	188	< 10	4340
N111126	205	226	0.04	1	190	10	2	< 1	4	0.03	< 10	< 10	5	< 10	122
N111127	205	226	0.10	8	1130	12	< 2	11	14	0.18	< 10	< 10	149	< 10	252
N111128	205	226	0.04	3	350	10	2	2	6	0.11	< 10	< 10	25	< 10	166
N111129	205	226	0.12	9	1490	98	< 2	12	32	0.17	< 10	< 10	158	< 10	208
N111130	205	226	0.05	1	180	2	2	1	10	0.01	< 10	< 10	6	< 10	94

CERTIFICATION: Stan Pitcher

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V6B 1L8

Project : HATTRICK
Comments:

Page ber : 1-A
Total Pages : 1
Certificate Date: 09-SEP-96
Invoice No. : I9629975
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9629975

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
N111131	205	226	0.2	0.90	32	60	< 0.5	< 2	0.84	5.0	6	76	34	2.19	< 10	< 1	0.27	20	0.17	405	1
N111132	205	226	3.2	0.74	12	10	< 0.5	< 2	0.48	4.5	27	105	288	5.78	< 10	< 1	0.32	< 10	0.08	110	6
N111133	205	226	4.2	0.55	12	< 10	< 0.5	< 2	0.15	5.0	50	103	264	7.11	< 10	< 1	0.24	< 10	0.02	30	18
N111134	205	226	5.8	0.54	< 2	10	< 0.5	< 2	0.18	7.5	23	60	247	5.87	< 10	< 1	0.24	< 10	0.05	40	3
N111135	205	226	< 0.2	3.13	< 2	410	< 0.5	< 2	0.69	< 0.5	18	55	12	5.31	< 10	< 1	1.36	< 10	1.82	470	< 1
N111136	205	226	< 0.2	4.23	2	180	< 0.5	< 2	0.81	0.5	19	59	21	5.02	< 10	< 1	0.76	< 10	3.03	480	< 1
N111137	205	226	< 0.2	4.75	< 2	130	< 0.5	< 2	0.86	< 0.5	26	44	10	6.51	10	< 1	0.88	< 10	2.95	830	< 1
N111138	205	226	< 0.2	4.36	< 2	120	< 0.5	< 2	0.62	1.0	28	56	76	5.96	< 10	1	0.94	< 10	3.11	1135	< 1
N111139	205	226	0.8	3.03	2	30	< 0.5	< 2	0.94	1.5	24	73	502	5.99	< 10	2	1.52	< 10	1.84	1480	< 1
N111140	205	226	0.6	0.70	6	30	< 0.5	< 2	0.45	2.0	13	28	621	5.00	< 10	< 1	0.27	10	0.19	235	< 1
N111141	205	226	0.8	0.39	42	10	< 0.5	< 2	0.21	2.5	17	40	205	7.33	< 10	< 1	0.18	< 10	0.03	30	7
N111142	205	226	1.2	0.68	6	40	< 0.5	< 2	0.30	9.5	11	89	550	3.11	< 10	1	0.32	20	0.17	145	8
N111143	205	226	0.6	0.57	2	80	0.5	< 2	0.36	< 0.5	3	79	34	1.21	< 10	< 1	0.27	40	0.19	190	< 1
N111144	205	226	< 0.2	0.73	< 2	180	0.5	< 2	0.78	< 0.5	< 1	80	20	1.26	< 10	< 1	0.32	50	0.36	465	< 1
N111145	205	226	0.8	0.71	< 2	40	< 0.5	< 2	0.47	4.5	9	82	157	4.00	< 10	< 1	0.32	30	0.20	1060	5
N111146	205	226	0.2	0.83	< 2	30	< 0.5	< 2	0.14	0.5	7	89	68	4.37	< 10	< 1	0.25	10	0.10	915	18
N111147	205	226	0.2	0.77	4	30	< 0.5	< 2	0.18	0.5	10	67	50	4.34	< 10	< 1	0.21	20	0.13	390	36
N111148	205	226	2.0	0.63	14	30	< 0.5	< 2	0.15	10.5	10	93	115	3.95	< 10	< 1	0.25	< 10	0.05	210	46
N111149	205	226	< 0.2	0.55	2	100	< 0.5	< 2	0.23	< 0.5	6	70	17	2.41	< 10	1	0.20	< 10	0.09	55	< 1
N111150	205	226	< 0.2	0.67	2	160	< 0.5	< 2	0.35	< 0.5	3	70	2	2.45	< 10	< 1	0.25	< 10	0.14	50	2
N111201	205	226	< 0.2	1.16	2	110	< 0.5	< 2	0.39	< 0.5	7	86	48	4.43	< 10	< 1	0.29	< 10	0.65	140	< 1
N111202	205	226	< 0.2	2.11	< 2	240	< 0.5	< 2	0.41	< 0.5	11	74	25	4.35	< 10	< 1	0.74	10	1.52	315	< 1
N111203	205	226	< 0.2	2.52	< 2	230	< 0.5	< 2	0.77	< 0.5	18	49	31	4.09	< 10	< 1	1.18	< 10	2.20	305	< 1
N111204	205	226	< 0.2	2.92	< 2	210	< 0.5	< 2	1.14	< 0.5	24	47	52	4.82	< 10	< 1	1.27	< 10	2.80	310	< 1
N111205	205	226	< 0.2	2.06	4	160	0.5	2	0.24	< 0.5	2	63	1	1.92	< 10	< 1	0.51	40	1.95	220	< 1
N111206	205	226	< 0.2	1.79	4	190	0.5	< 2	0.14	< 0.5	1	69	7	2.26	< 10	< 1	0.42	50	1.60	210	< 1

CERTIFICATION: Stuart Buchler

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Page Number : 1-B
Total Pages : 1
Certificate Date: 09-SEP-96
Invoice No. : I9629975
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9629975

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
N111131	205	226	0.04	1	1390	38	< 2	1	15	0.06	< 10	< 10	2	< 10	488
N111132	205	226	0.02	14	1310	244	< 2	2	4	< 0.01	< 10	< 10	17	< 10	870
N111133	205	226	0.02	25	640	616	< 2	1	3	< 0.01	< 10	< 10	17	< 10	1025
N111134	205	226	0.01	11	770	1625	< 2	1	3	< 0.01	< 10	< 10	18	< 10	1430
N111135	205	226	0.06	8	1410	18	< 2	8	14	0.19	< 10	< 10	152	< 10	226
N111136	205	226	0.05	8	1280	12	< 2	10	13	0.15	< 10	< 10	136	< 10	184
N111137	205	226	0.08	10	1710	12	< 2	9	19	0.13	< 10	< 10	145	< 10	224
N111138	205	226	0.05	11	1230	18	< 2	11	11	0.15	< 10	< 10	145	< 10	436
N111139	205	226	0.04	11	1030	24	< 2	10	11	0.20	< 10	< 10	101	< 10	564
N111140	205	226	0.01	9	1260	72	< 2	1	5	0.02	< 10	< 10	21	< 10	360
N111141	205	226	0.01	22	910	114	< 2	1	2	< 0.01	< 10	< 10	10	< 10	464
N111142	205	226	0.02	25	120	224	< 2	1	5	0.01	< 10	< 10	7	< 10	2030
N111143	205	226	0.03	5	230	278	< 2	< 1	6	0.01	< 10	< 10	5	< 10	110
N111144	205	226	0.05	6	160	14	< 2	< 1	11	0.03	< 10	< 10	5	< 10	88
N111145	205	226	0.01	12	450	456	< 2	2	8	0.03	< 10	< 10	19	< 10	776
N111146	205	226	0.01	11	520	32	< 2	3	5	0.04	< 10	< 10	27	< 10	254
N111147	205	226	0.01	12	630	72	< 2	3	5	0.03	< 10	< 10	20	< 10	176
N111148	205	226	0.02	15	680	728	< 2	2	5	0.01	< 10	< 10	8	< 10	1700
N111149	205	226	0.02	8	960	10	< 2	1	6	0.06	< 10	< 10	38	< 10	42
N111150	205	226	0.03	7	1270	12	< 2	2	8	0.07	< 10	< 10	56	< 10	40
N111201	205	226	0.02	12	520	12	< 2	3	7	0.08	< 10	< 10	67	< 10	100
N111202	205	226	0.03	12	570	10	< 2	7	10	0.19	< 10	< 10	74	< 10	98
N111203	205	226	0.04	9	1040	4	< 2	9	14	0.25	< 10	< 10	105	< 10	76
N111204	205	226	0.05	14	1060	< 2	< 2	10	23	0.28	< 10	< 10	127	< 10	94
N111205	205	226	0.04	2	70	2	< 2	< 1	7	0.05	< 10	< 10	9	< 10	110
N111206	205	226	0.05	2	90	2	< 2	< 1	5	0.05	< 10	< 10	9	< 10	108

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Page Number : 1
Total Pages : 1
Certificate Date: 06-OCT-96
Invoice No. : I9632842
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9632842

SAMPLE	PREP CODE		Al2O3 % XRF	CaO % XRF	Cr2O3 % XRF	Fe2O3 % XRF	K2O % XRF	MgO % XRF	MnO % XRF	Na2O % XRF	P2O5 % XRF	SiO2 % XRF	TiO2 % XRF	LOI % XRF	TOTAL %	Ba ppm	Rb ppm	Sr ppm	Nb ppm	Zr ppm	Y ppm
BT96 N110287	208	226	15.00	11.58	< 0.01	10.71	1.33	5.29	0.16	3.46	0.35	46.58	2.05	3.62	100.13	145	20	340	12	183	26
BT96 N110288	208	226	14.34	1.13	< 0.01	2.68	3.29	2.07	0.06	3.14	0.06	71.65	0.30	1.30	100.02	1655	118	156	10	195	30
BT96 N110289	208	226	15.83	4.51	< 0.01	11.52	2.56	7.76	0.17	2.64	0.30	50.40	2.20	1.85	99.74	330	56	104	12	207	36
BT96 N110290	208	226	13.57	0.96	0.01	2.35	5.95	0.48	0.04	2.71	0.08	72.58	0.35	0.62	99.70	1980	188	120	10	219	26
BT96 N110291	208	226	17.32	2.89	< 0.01	12.38	6.58	6.68	0.15	1.41	0.33	47.41	2.50	1.47	99.12	405	96	90	18	267	34

CERTIFICATION: Stuart Bichler

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VANCOUVER, BC
V6B 1L8

Project : HAT TRICK
Comments: CC: LEE PIGAGE

Page . .iber : 1
Total Pages : 1
Certificate Date: 20-OCT-96
Invoice No. : I9635212
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9635212

SAMPLE	PREP CODE		Al2O3 % XRF	CaO % XRF	Cr2O3 % XRF	Fe2O3 % XRF	K2O % XRF	MgO % XRF	MnO % XRF	Na2O % XRF	P2O5 % XRF	SiO2 % XRF	TiO2 % XRF	LOI % XRF	TOTAL %	Ba ppm	Rb ppm	Sr ppm	Nb ppm	Zr ppm	Y ppm
C30001	283	--	17.35	1.55	< 0.01	8.12	5.27	0.94	0.48	0.60	0.40	57.56	2.69	3.75	98.71	4060	166	56	16	264	38
C30002	283	--	18.58	0.32	< 0.01	11.22	5.80	0.87	0.04	0.58	0.16	52.03	2.20	7.28	99.08	5850	148	36	12	249	30
C30003	283	--	14.96	0.50	< 0.01	7.95	4.77	0.62	0.04	0.23	0.23	62.50	2.00	5.87	99.67	3780	108	16	8	180	32
C30004	283	--	12.43	1.46	< 0.01	2.29	4.32	0.63	0.08	2.91	0.04	71.96	0.26	1.87	98.25	340	82	38	48	567	78
C30005	283	--	19.33	2.82	< 0.01	12.05	6.67	2.47	0.10	0.20	0.21	48.73	2.30	4.44	99.32	1980	142	52	16	240	28
C30006	283	--	15.29	1.04	< 0.01	10.68	3.51	5.77	0.21	0.34	0.32	53.24	2.31	5.70	98.41	2130	102	28	12	219	32
C30007	283	--	14.23	1.79	< 0.01	13.63	3.79	5.93	0.30	0.26	0.39	49.10	2.03	7.42	98.87	1325	116	38	12	183	32
C30008	283	--	14.17	0.56	< 0.01	10.22	4.46	2.14	0.07	0.23	0.30	57.56	2.23	6.75	98.69	2990	112	18	10	186	22

CERTIFICATION: Ivan Bridler

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 # 960631 for:

Tom Becker,
Archer Cathro & Associates,
1016 - 510 West Hastings Street,
Vancouver, B.C., V6B 1L8 **October, 1996**

copy to:
Lee Pigage, L.C. Pigage Consulting,
2 Rosewood Place, Whitehorse, Yukon, Y1A 4X3

Project: **Finlayson**

Property: **Hat Trick**

Samples:	**HT96-01:**	**97.20 m, 126.55 m**
	HT96-03:	**11.55 m, 35.90 m, 70.53 m, 82.50 m, 86.05 m, 92.55 m, 95.80 m, 108.00 m, 139.18 m**
	HT96-05:	**46.05 m, 194.35 m, 237.05 m**

Summary:

Rocks were metamorphosed and recrystallized strongly, such that only a few textures were interpreted as being relic, primary textures.

The rocks were metamorphosed in the lower amphibolite facies. Metamorphic grades are based on the presence of the following minerals: biotite-muscovite-garnet-actinolite. Chlorite may have formed during retrograde metamorphism or hydrothermal alteration. The association of chlorite-biotite-pyrite in Sample HT96-03 95.80 appears to be in disequilibrium, as biotite generally occurs between pyrite and chlorite.

No change in mineralogy is obvious with the second major deformation, which produced kink folds and warps in many samples. The main mineral which was recrystallized during later folding is muscovite, which optically is identical to that formed by the earlier metamorphism. Most porphyroblasts probably were formed during the early metamorphic event.

Sample HT96-03 35.90 m contains moderately abundant biotite porphyroblasts in a rock dominated by hornblende and plagioclase. This is similar to the smaller zone at one end of Sample HT96-03 70.53 m, which contains minor coarser biotite grains in a zone rich in hornblende and plagioclase. The other part of Sample HT96-03 70.53 m is dominated by biotite and plagioclase with lesser epidote, and probably represents a different compositional layer in the unit than the plagioclase-hornblende-rich zone. Both contain moderately abundant ilmenite.

The following comments refer to the samples of MSRH, MBGN, and QSSH.

MSRH and MBGN samples are similar texturally, with minor to moderately abundant feldspar porphyroblasts in a groundmass dominated by quartz, plagioclase, lesser muscovite, and minor biotite.

Sample HT96-03 11.55 m (MBGN) and Sample HT96-03 108.00 m (MSRH) are typical with minor plagioclase porphyroblasts in a groundmass dominated by quartz and plagioclase with moderately abundant muscovite and lesser biotite. Sample HT96-03 108.00 is somewhat unusual in that it contains moderately abundant, disseminated magnetite.

Sample HT96-05 194.35 m is moderately similar to the norm, but contains less biotite. It also contain s minor magnetite.

Sample HT96-05 46.05 m is much richer in K-feldspar than the other samples, both in the porphyroblasts and in the groundmass. As well, muscovite is less abundant than biotite.

With increasing alteration in the QSSH samples, plagioclase is replaced by muscovite and the abundances of quartz and sulfides increase. Sample HT96-01 97.20 m is moderately altered and recrystallized, and still contains 8-10% plagioclase and only 3-4 % pyrite. Sample HT96-03 82.50 m contains no plagioclase, and 10-12% pyrite and 1-2% sphalerite.

The following comments refer to samples MBSH and BISH

Many of the samples in this group are dominated by muscovite, biotite, and plagioclase, with moderately abundant ilmenite, and variable amounts of quartz, epidote, chlorite, and garnet. Variations from the norm are listed below.

Sample HT96-01 126.55 m (MBSH) contains moderately abundant epidote and minor quartz

Sample HT96-03 86.05 m (MBSH) contains abundant quartz and chlorite, and contains garnet porphyroblasts.

Sample HT96-03 92.55 m (MBSH) contains abundant quartz and chlorite, and much less biotite.

The next two samples (as the field names suggest) contain more biotite than the others.

Sample HT96-03 139.18 m (BISH) contains minor epidote and quartz.

Sample HT96-05 237.05 m (BISH) is the most unusual of this group. It contains abundant quartz and only minor plagioclase and muscovite, along with minor epidote, apatite, and tourmaline. It has less Ti-oxide/ilmenite than other samples in this group.

Summary descriptions are given in the following three pages; detailed descriptions follow these.

A: Altered Felsic Rocks: QSSH, MSRH, MBGN

Sample HT96-01 97.20 m (QSSH) is a moderately folded, well foliated schist dominated by muscovite and quartz, which are segregated moderately into separate layers. Plagioclase porphyroblasts are concentrated in a few bands. Pyrite and garnet form scattered porphyroblasts. Tight folds on the scale of 0.5-1.5 mm in wavelength are outlined by orientation of muscovite flakes and trains of rutile in muscovite and plagioclase. Muscovite is recrystallized slightly along axial planes of these folds.

Sample HT96-03 82.50 m (QSSH) is a strongly foliated, compositionally banded schist dominated by alternating bands rich in quartz and muscovite, respectively. Muscovite-rich bands contain a few seams which define tight folds with axial planes parallel to foliation. As well, muscovite-rich bands contain a few warps at a moderate angle to the main foliation. Pyrite and lesser sphalerite form lenses and patches concentrated in the quartz-rich bands. Minor disseminated patches and grains interstitial to pyrite are of sphalerite, galena, and chalcopyrite.

B: MBGN, MSRH (altered felsic rocks)

Sample HT96-05 46.05 m (MBGN) is a gneiss containing porphyroblasts of plagioclase and lesser ones of K-feldspar in a well foliated, slightly compositionally banded groundmass dominated by K-feldspar, quartz, and plagioclase, with minor biotite and muscovite.

Sample HT96-03 11.55 m (MBGN) is a gneiss containing minor porphyroblasts of plagioclase in a well foliated, weakly compositionally banded groundmass dominated by bands of plagioclase-biotite-muscovite and others of quartz.

Sample HT96-05 194.35 m (MSRH) is a slightly to moderately compositionally banded schist dominated by bands of quartz-muscovite-plagioclase with scattered porphyroblasts of plagioclase. A band 3 mm wide is dominated by plagioclase with moderately abundant biotite-chlorite, muscovite, and K-feldspar, and minor apatite, opaque, and epidote. A zone up to 1 cm wide contains moderately abundant K-feldspar, in part in the groundmass, and in part replacing plagioclase porphyroblasts.

Sample HT96-03 108.00 m (MSRH) contains minor porphyroblasts of plagioclase in a well foliated, very fine grained groundmass dominated by quartz and plagioclase with much less abundant muscovite, biotite/chlorite, and magnetite. The rock was folded pervasively about folds with wavelengths from 0.7-1 mm in size; these are best developed in bands containing over 25% muscovite.

C: BISH, MBSH, MSRH (Structural Footwall)

Sample HT96-05 237.05 m (BISH) is a well foliated, fine to medium grained schist dominated by biotite and quartz which are segregated slightly into bands parallel to foliation. Less abundant minerals include plagioclase, epidote, muscovite, apatite, Ti-oxide, tourmaline, and ilmenite, many of which also are concentrated moderately to strongly in certain bands parallel to foliation. Some epidote grains are porphyroblastic.

Sample HT96-03 139.18 m (BISH) is a fine to medium grained schist dominated by biotite, plagioclase, and muscovite, with less abundant quartz, much less epidote and Ti-oxide, and minor apatite. Plagioclase commonly is porphyroblastic, and in some bands is replaced moderately by muscovite. A few tight fold noses are outlined by inclusions in quartz-rich and quartz-biotite bands.

Sample HT96-01 126.55 m (MBSH) is a fine grained schist dominated by muscovite with lesser biotite (in part porphyroblastic), plagioclase, and epidote, and much less abundant quartz and opaque (ilmenite and hematite). The rock was strongly kinked by folds with wavelengths averaging 1.5-2 mm; these are shown by warps in clusters of muscovite flakes and in trains of tabular opaque grains. A few veinlets up to 0.15 mm wide are of calcite.

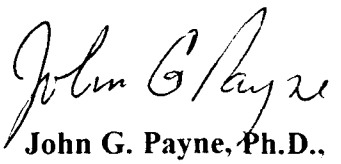
Sample HT96-03 86.05 m (MBSH) is a fine to medium grained, well foliated, slightly compositionally banded schist dominated by biotite, muscovite, plagioclase, and quartz, with a few garnet porphyroblasts, and accessory opaque and apatite. A few mica-rich patches contain minor fold noses with axial planes sub-parallel to the major foliation. In a few other patches, muscovite and chlorite form stubby flakes oriented sub-perpendicular to foliation. Fluorite forms a few interstitial patches containing ragged fragments of biotite and muscovite, suggesting that fluorite was formed after a weak, late deformation. A few discontinuous veinlets are of calcite, and a few veinlets are of calcite-(K-feldspar).

Sample HT96-03 35.90 m (BCSH) is a very fine to fine grained, moderately compositionally banded gneiss with bands dominated by hornblende and/or plagioclase, and others by calcite. Some hornblende-rich bands contain moderately abundant biotite porphyroblasts. Minor minerals are ilmenite (commonly rimmed by Ti-oxide), quartz, and epidote. A discontinuous veinlet is of sphene.

Sample HT96-03 70.53 m (BCSH) is a very fine to fine grained, well foliated, compositionally banded schist with most bands dominated by plagioclase or biotite-epidote. Near one end is a zone consisting of alternating bands rich in hornblende and in plagioclase, respectively. Accessory minerals include ilmenite and apatite.

Sample HT96-03 92.55 m (MBSH) is a slightly compositionally banded, well foliated, fine to medium grained schist dominated by quartz, plagioclase, and muscovite/chlorite, with lesser biotite and pyrite, and minor garnet and Ti-oxide. Some mica-rich bands are kinked slightly to moderately.

Sample 96-03 95.80 m (BCSH) is a schist dominated by fine to grained chlorite and pyrite with less abundant biotite and several coarse porphyroblasts of garnet. Minor minerals include rutile/ilmenite (concentrated in trains) , apatite, and sphalerite. Some of the trains of rutile and ilmenite were warped moderately and some textures in chlorite suggest that the rock was deformed tightly.



John G. Payne, Ph.D.,
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Sample HT96-01 97.20 m Folded Quartz-Muscovite-(Pyrite) Schist
Field Name: QSSH

The sample is a moderately folded, well foliated schist dominated by muscovite and quartz, which are segregated moderately into separate layers. Plagioclase porphyroblasts are concentrated in a few bands. Pyrite and garnet form scattered porphyroblasts. Tight folds on the scale of 0.5-1.5 mm in wavelength are outlined by orientation of muscovite flakes and trains of rutile in muscovite and plagioclase. Muscovite is recrystallized slightly along axial planes of these folds.

muscovite	45-50%	K-feldspar	0.5%
quartz	30-35	biotite	0.3
plagioclase	8-10	sphene	0.3
pyrite	3- 4	apatite	0.1
garnet	2- 3	sphalerite	minor
rutile	2- 3	chalcopyrite	trace
epidote	0.5		

Muscovite is concentrated moderately in muscovite-rich bands up to several mm wide. In these it forms flakes averaging 0.2-0.5 mm long, many of which are subparallel to folded, compositional banding. Biotite forms scattered flakes averaging 0.1-0.2 mm in size. Pleochroism is from pale to medium or dark brown.

Quartz is concentrated in bands up to 1 cm wide as anhedral grains averaging 0.2-0.5 mm in size. Intergrown in most of these is minor to moderately abundant plagioclase and minor elongate flakes of muscovite and lesser biotite.

Plagioclase forms anhedral, porphyroblasts averaging 0.5-1.2 mm in size. Some contain irregular patches of extremely fine grained myrmekitic quartz inclusions. Alteration is slight to sericite and dusty hematite. Some are altered moderately to K-feldspar (see stained offcut block). Some are intergrown coarsely with muscovite, which in part may have formed by replacement of plagioclase. In a few lenses in the groundmass, plagioclase forms anhedral grains averaging 0.2-0.5 mm in size. Alteration is moderate to disseminated patches of epidote and dusty sericite and opaque.

Pyrite forms disseminated grains averaging 0.05-0.2 mm in size. A few subhedral porphyroblasts are from 0.4-1.5 mm in size. A few skeletal grains up to 1.3 mm across contain coarse inclusions of quartz.

Garnet forms subhedral to euhedral porphyroblasts averaging 0.3-0.7 mm in size. Some contain minor inclusions of rutile averaging 0.01-0.02 mm in size. A few have ragged outlines against quartz and plagioclase.

Rutile is concentrated strongly in seams and patches, mainly intergrown with plagioclase and muscovite as anhedral to subhedral grains averaging 0.01-0.05 mm in size. A few elongate grains up to 0.2 mm long occur on limbs of folds. In some patches, rutile grains are rimmed by anhedral sphene. A few anhedral grains and irregular patches up to 0.5 mm in size in plagioclase are of very fine grained sphene.

Epidote forms a few anhedral grains averaging 0.05-0.15 mm in size. A few elongate prismatic grains are up to 0.8 mm long.

K-feldspar forms minor disseminated grains averaging 0.03-0.05 mm in size.

Apatite forms anhedral grains averaging 0.2-0.4 mm in size, mainly intergrown with muscovite.

Colourless sphalerite forms a few patches up to 0.3 mm in size intergrown with muscovite and quartz; most of these patches are adjacent to pyrite grains.

Chalcopyrite forms minor grains averaging 0.02-0.05 mm in size bordering pyrite grains and included in sphene/rutile patches. One grain 0.05 mm in size is included in quartz.

Sample HT96-01 126.55 m **Muscovite-Biotite-Plagioclase-Epidote-Quartz Schist; Minor Biotite Porphyroblasts; Strongly Kink Folded**

Field Name: MBSH

The sample is a fine grained schist dominated by muscovite with lesser biotite (in part porphyroblastic), plagioclase, and epidote, and much less abundant quartz and opaque (ilmenite and hematite). The rock was strongly kinked by folds with wavelengths averaging 1.5-2 mm; these are shown by warps in clusters of muscovite flakes and in trains of tabular opaque grains. A few veinlets up to 0.15 mm wide are of calcite.

porphyroblasts			
biotite	7- 8%		
groundmass			
muscovite	35-40%	ilmenite	3- 4%
plagioclase	17-20	apatite	0.2
biotite	15-17	calcite	trace
epidote	7- 8		
quartz	4- 5		
veinlets			
calcite	0.4		

Muscovite forms flakes averaging 0.2-0.5 mm in size.

Biotite forms moderately abundant porphyroblasts averaging 0.8-1.5 mm in size and a few up to 2 mm long. It also forms grains averaging 0.2-0.5 mm in size intergrown with muscovite. Pleochroism is from pale to medium/dark brown.

Plagioclase forms anhedral grains averaging 0.2-0.4 mm in size and a few up to 0.7 mm across. Some show strong concentric zoning. Alteration is slight to moderate to disseminated grains of epidote averaging 0.05-0.07 mm in size and patches of cryptocrystalline sericite. Coarser grained muscovite flakes averaging 0.2-0.5 mm long intergrown with plagioclase may also have formed by replacement of plagioclase.

Epidote forms anhedral to subhedral grains averaging 0.2-0.5 mm in size, a few prismatic grains up to 1 mm long, and a few very elongate, prismatic grains up to 2 mm long. It is concentrated moderately in a few patches up to 2 mm in size and strongly in one patch 1 mm across.

Quartz is concentrated in a few patches up to 1.5 mm in size as anhedral grains averaging 0.15-0.5 mm in size.

Opaque (probably ilmenite and hematite forms tabular grains averaging 0.07-0.15 mm long and a few up to 0.3 mm long, intergrown with biotite, muscovite, and plagioclase, and mainly oriented parallel to foliation. Some of these trains are warped moderately about fold noses. A few slender flakes are of bright red hematite, suggesting that some of the tabular opaque is specular hematite.

Apatite forms equant grains averaging 0.05-0.08 mm in size and a few up to 0.2 mm across.

Calcite forms a few interstitial patches up to 0.2 mm in size of ragged grains.

A few veinlets up to 0.12 mm wide are of very fine grained calcite.

Sample HT96-05 237.05 m **Biotite-Quartz-(Plagioclase-Epidote-Muscovite-Apatite-Ilmenite-Tourmaline) Schist**

Field Name: BISH

The sample is a well foliated, fine to medium grained schist dominated by biotite and quartz which are segregated slightly into bands parallel to foliation. Less abundant minerals include plagioclase, epidote, muscovite, apatite, Ti-oxide, tourmaline, and ilmenite, many of which also are concentrated moderately to strongly in certain bands parallel to foliation. Some epidote grains are porphyroblastic.

biotite	45-50%	tourmaline	1%
quartz	35-40	Ti-oxide	1
plagioclase	4- 5	ilmenite	0.3
epidote	4- 5	opaque	0.1
muscovite	2- 3	K-feldspar	minor
apatite	2		

Biotite forms flakes averaging 0.5-1.2 mm long, and a few up to 2 mm long, mainly oriented parallel to foliation. A few flakes are oriented perpendicular to foliation. Pleochroism is from light to dark brown.

Quartz forms equant grains averaging 0.2-0.5 mm in size.

Plagioclase forms anhedral grains averaging 0.1-0.2 mm in size and a few up to 0.5 mm across. It is concentrated in several narrow bands parallel to foliation, commonly intergrown with biotite. About half of the grains contain abundant, wormy, myrmekitic inclusions of quartz, including those in a few knots up to 1 mm in size of aggregates of several grains. Some grains are altered slightly to cryptocrystalline to extremely fine grained sericite.

Epidote forms disseminated, subhedral to anhedral grains averaging 0.3-0.5 mm in size and a several from 1-1.7 mm long. Larger, subhedral grains commonly have a porphyroblastic texture and some are oriented at a small to moderate angle to foliation.

Muscovite forms ragged grains averaging 0.3-0.5 mm in length and a few up to 1.5 mm long, oriented parallel to foliation and intergrown coarsely with biotite.

Apatite forms disseminated, subhedral to anhedral grains averaging 0.1-0.3 mm in size, and a few prismatic grains up to 0.5 mm long and a few elongate prismatic grains from 0.6-0.8 mm long. Most elongate grains are oriented parallel to foliation.

Tourmaline forms subhedral to euhedral prismatic grains averaging 0.1-0.2 mm in size and a few from 0.6- 0.9 mm long, mainly elongate in the foliation plane, and concentrated in a few bands. Pleochroism is from neutral to dark green.

Ilmenite(?) forms elongate lenses up to 0.7 mm long oriented parallel to foliation and commonly included in biotite grains. It is concentrated strongly near one end of the section, whereas Ti-oxide is concentrated moderately in the rest of the section. Ti-oxide forms clusters of anhedral grains averaging 0.03-0.05 mm in size, with a few up to 0.15 mm long, mainly in biotite.

Opaque forms equant patches averaging 0.05-0.15 mm in size, mainly associated with biotite.

K-feldspar forms a few anhedral grains up to 0.6 mm in size.

Sample HT96-03 139.18 m Biotite-Plagioclase-Muscovite-Quartz-Epidote-Ti-oxide Schist
Field Name: BISH

The rock is a fine to medium grained schist dominated by biotite, plagioclase, and muscovite, with less abundant quartz, much less epidote and Ti-oxide, and minor apatite. Plagioclase commonly is porphyroblastic, and in some bands is replaced moderately by muscovite. A few tight fold noses are outlined by inclusions in quartz-rich and quartz-biotite bands.

biotite	45-50%
plagioclase	20-25
muscovite	12-15
quartz	5- 7
epidote	3- 4
Ti-oxide	3- 4
apatite	0.5
calcite	trace

Biotite forms slender flakes averaging 0.5-0.1 mm long with a few up to 1.5 mm long, mainly oriented parallel to foliation. Pleochroism is from straw to medium slightly greenish brown.

Plagioclase is concentrated strongly in layers up to 2 mm wide, commonly as porphyroblastic grains up to 1.5 mm in size. In many coarse plagioclase grains, albite twins are oriented at a moderate angle to foliation and are cut by foliation. Plagioclase is altered slightly to strongly to muscovite.

Muscovite is concentrated strongly in a few bands up to 1.5 mm wide as very coarser flakes oriented parallel to foliation. In some bands it is intergrown coarsely with plagioclase, and some muscovite probably formed by replacement of plagioclase. Some flakes are intergrown intimately with biotite, and some contain disseminated grains of epidote grains from 0.1-0.3 mm in size.

Quartz forms anhedral grains averaging 0.2-0.4 mm in size, commonly elongate parallel to foliation. It is concentrated strongly in a few layers. A few quartz-rich lenses have textures suggesting that they represent tight fold noses; these textures are shown by trains of dusty to cryptocrystalline inclusions and locally by orientation of very fine grained biotite.

Epidote forms disseminated grains averaging 0.1-0.2 mm in size and a few prismatic grains from 1-2 mm long elongated parallel to foliation.

Ti-oxide forms clusters of anhedral grains averaging 0.05-0.2 mm in size and a few grains up to 0.7 mm across. It commonly is intergrown with biotite.

Apatite forms disseminated grains averaging 0.05-0.2 mm in size and a few subhedral, stubby to elongate prismatic grains up to 0.7 mm long elongated parallel to foliation.

Calcite forms one anhedral grain 0.2 mm across.

Sample HT96-05 194.35 m Quartz-Plagioclase-Muscovite-(K-feldspar-Biotite/Chlorite) Gneiss
Field Name: MSRH

The sample is slightly to moderately compositionally banded. It is dominated by bands of quartz-muscovite-plagioclase with scattered porphyroblasts of plagioclase. A band 3 mm wide is dominated by plagioclase with moderately abundant biotite-chlorite, muscovite, and K-feldspar, and minor apatite, opaque, and epidote. A zone up to 1 cm wide contains moderately abundant K-feldspar, in part in the groundmass, and in part replacing plagioclase porphyroblasts.

porphyroblasts			
plagioclase	2- 3%		
groundmass			
quartz	40-45	chlorite	0.3%
plagioclase	30-35	opaque	0.3 (magnetite)
muscovite	12-15	epidote	0.3
K-feldspar	4- 5	calcite	trace
biotite	1	zircon	trace

In the main rock, plagioclase forms equant, commonly ragged porphyroblasts averaging 0.5-1.2 mm in size and a few up to 1.7 mm across. Many are replaced moderately by dusty hematite and cryptocrystalline sericite with minor extremely fine grained flakes of muscovite/sericite. Some are replaced moderately to completely by K-feldspar. In the groundmass, plagioclase forms anhedral grains averaging 0.1 mm in size. Alteration is slight to dusty to extremely fine grained sericite.

Quartz forms anhedral grains averaging 0.05-0.15 mm in size, with a few from 0.2-0.4 mm long. A few lenses parallel to foliation are of coarser grained quartz averaging 0.3-0.5 mm in size and a few coarser patches with grains from 0.5-1.5 mm long. In this patch, calcite forms an interstitial patch 0.6 mm long; it contains abundant dusty hematite.

Muscovite forms disseminated flakes averaging 0.2-0.5 mm long, mainly oriented parallel to foliation.

K-feldspar forms grains averaging 0.02-0.05 mm in size and a few irregular grains up to 0.5 mm in size.

Biotite and minor chlorite form disseminated flakes averaging 0.03-0.5 mm in size and a few from 0.1-0.2 mm long. Biotite is pleochroic from very pale to medium to dark brown. Some grains are replaced moderately to strongly by pseudomorphic chlorite and minor to moderately abundant patches of Ti-oxide. Chlorite is pleochroic from pale to light green.

Epidote forms a few irregular, skeletal to dense clusters up to 1 mm in size of extremely fine grains, and a few subhedral grains up to 0.2 mm long.

Opaque forms anhedral to subhedral patches averaging 0.05-0.15 mm in size, a up to 0.4 mm across and one 0.9 mm across. At least some of it is magnetite. Apatite forms a few equant, anhedral to euhedral grains averaging 0.1-0.15 mm in size. Calcite forms disseminated grains averaging 0.05-0.08 mm in size. Zircon forms disseminated grains averaging 0.03-0.05 mm in size.

In the plagioclase-rich layer, plagioclase forms anhedral, slightly interlocking grains averaging 0.3-0.5 mm in size. Biotite and chlorite form flakes averaging 0.07-0.15 mm in size, with a few up to 0.4 mm in size. Muscovite forms flakes averaging 0.05-0.015 mm long oriented parallel to foliation. K-feldspar forms anhedral grains up to 0.7 mm in size. Epidote forms patches up to 0.2 mm in size. Apatite forms grains averaging 0.07-0.2 mm in size. Opaque forms a few patches up to 0.8 mm across.

A wispy veinlet up to 0.01 mm wide of calcite cuts foliation at about 30 degrees.

Sample HT96-03 86.05 m **Biotite-Muscovite-Plagioclase-Quartz-Chlorite-(Opaque) Schist; Minor Garnet Porphyroblasts; Minor Folds**

Field Name: MBSH

The sample is a fine to medium grained, well foliated, slightly compositionally banded schist dominated by biotite, muscovite, plagioclase, and quartz, with a few garnet porphyroblasts, and accessory opaque and apatite. A few mica-rich patches contain minor fold noses with axial planes sub-parallel to the major foliation. In a few other patches, muscovite and chlorite form stubby flakes oriented sub-perpendicular to foliation. Fluorite forms a few interstitial patches containing ragged fragments of biotite and muscovite, suggesting that fluorite was formed after a weak, late deformation. A few discontinuous veinlets are of calcite, and a few veinlets are of calcite-(K-feldspar).

biotite	20-25%	garnet	3- 4%
muscovite	17-20	opaque	3- 4
plagioclase	17-20	fluorite	1
quartz	17-20	epidote	0.3
chlorite	7- 8	apatite	0.3
veinlets			
calcite-(K-feldspar)	0.3		

Biotite forms flakes averaging 0.3-0.8 mm long oriented parallel to foliation. Pleochroism is from pale to medium brown.

Muscovite forms flakes averaging 1-2 mm long oriented parallel to foliation. Many grains consist of intergrowths of muscovite with minor to moderately abundant biotite or pale green chlorite lenses along cleavage planes. Several patches consist of stubby muscovite and chlorite flakes averaging 0.1-0.25 mm long oriented sub-perpendicular to foliation.

Plagioclase forms anhedral grains averaging 0.2-0.7 mm in size. Many grains are compositionally zoned moderately to strongly near their margins. Alteration is slight to moderate to extremely fine grained sericite and dusty hematite.

Quartz is concentrated moderately in lenses parallel to foliation up to 1.5 mm wide and strongly in one lens a few mm across as grains averaging 0.2-0.5 mm in size with a few up to 1 mm across. Many larger grains are strained moderately.

Garnet forms a few subhedral grains from 1-2.5 mm in size. Some are elongated parallel to foliation. Grains contain relic lenses of opaque averaging 0.05-0.15 mm in size oriented parallel to foliation, and anhedral inclusions of quartz and minor plagioclase and epidote averaging 0.1-0.3 mm in size. One contain an elongate, anhedral grain of apatite 0.7 mm long.

Opaque (ilmenite/hematite?) forms irregular patches averaging 0.05-0.5 mm in size and a few elongated, platy grains up to 0.7 mm long.

Epidote forms anhedral grains from 0.1-0.2 mm in size and a few from 0.3-0.8 mm long. One grain has a non-pleochroic core of medium reddish brown allanite(?).

Apatite forms anhedral to subhedral grains averaging 0.2-0.5 mm long and a few up to 0.7 mm in size.

Fluorite forms a few, irregular, interstitial patches up to 1.7 mm across containing ragged fragments of biotite and muscovite.

Calcite forms two discontinuous veinlets 2 mm long and 0.3-0.5 mm wide of grains averaging 0.2-0.4 mm in size; these cut across quartz-plagioclase rich lenses. A few veinlets up to 0.1 mm wide are of very fine grained calcite and extremely fine to very fine grained K-feldspar.

Sample HT96-03 82.50 m **Quartz-Muscovite-Pyrite-(Sphalerite) Schist; Minor Tight Folds, Late Warps on Kink Folds**

Field Name: QSSH

The sample is a strongly foliated, compositionally banded schist dominated by alternating bands rich in quartz and muscovite, respectively. Muscovite-rich bands contain a few seams which define tight folds with axial planes parallel to foliation. As well, muscovite-rich bands contain a few warps at a moderate angle to the main foliation. Pyrite and lesser sphalerite form lenses and patches concentrated in the quartz-rich bands. Minor disseminated patches and grains interstitial to pyrite are of sphalerite, galena, and chalcopyrite.

quartz	40-45%
muscovite	40-45
pyrite	10-12
sphalerite	1- 2
Ti-oxide	0.5
galena	0.2
chalcopyrite	0.1

Quartz is concentrated in bands up to 2 mm wide as grains averaging 0.3-0.8 mm in size and a few up to 1.5 mm across.

Muscovite is concentrated in bands parallel to foliation as flakes averaging 0.3-0.5 mm long. It was warped slightly to moderately along a few kink folds. Muscovite and biotite each forms a few porphyroblastic(?) grains averaging 0.2-0.4 mm in size, which are oriented at a moderate angle to foliation. Biotite is pleochroic from pale to light or medium brown. In a few muscovite-rich bands, a few tight fold noses are defined by seams up to 0.25 mm wide of muscovite flakes averaging 0.03-0.05 mm in size.

Pyrite forms anhedral to subhedral grains averaging 0.2-0.5 mm in size and several up to 1 mm long.

Sphalerite forms patches up to 0.4 mm in size in quartz and patches from 0.05-0.1 mm in size associated with pyrite. Most grains are colourless to pale orange. One inclusion 0.1 mm long in pyrite has a light orange colour, suggesting a higher iron content than sphalerite outside pyrite grains.

Epidote forms scattered, anhedral grains averaging 0.05-0.1 mm in size and several subhedral prismatic grains up to 0.5 mm long.

Ti-oxide forms disseminated subhedral to euhedral grains averaging 0.02-0.05 mm in size in muscovite-rich layers, and a few grains up from 0.07-0.2 mm long.

Calcite forms a few patches averaging 0.05-0.08 mm in size bordering pyrite. Some contain a few inclusions of galena averaging 0.02-0.03 mm in size.

Chalcopyrite forms grains averaging 0.02-0.07 mm in size, many within or bordering patches of pyrite.

Galena also forms a few equant grains up to 0.15 mm in size in quartz and a few equant to elongate grains up to 0.1 mm long in pyrite. A few slender grains up to 0.2 mm long border grains of pyrite. One patch in quartz 0.2 mm across is a coarse intergrowth of galena, sphalerite, and lesser chalcopyrite.

Sample HT96-03 108.00 m Folded Quartz-Plagioclase-Muscovite-Magnetite Schist; Minor Plagioclase Porphyroblasts

Field Name: MSRH

Minor porphyroblasts of plagioclase are set in a well foliated, very fine grained groundmass dominated by quartz and plagioclase with much less abundant muscovite, biotite/chlorite, and magnetite. The rock was folded pervasively about folds with wave lengths from 0.7-1 mm in size; these are best developed in bands containing over 25% muscovite.

porphyroblasts			
plagioclase	2%		
groundmass			
quartz	40-45	K-feldspar	1%
plagioclase	40-45	epidote/allanite	0.1
muscovite	8-10	apatite	minor
biotite/chlorite	3- 4	calcite	trace
magnetite	1- 2		

Plagioclase forms a few subhedral, prismatic porphyroblasts averaging 0.5-1 mm across and a few from 1.5-2 mm long. Some grains have discontinuous, fine albite twins. A few grains are replaced slightly by patches of extremely fine grained quartz.

In the groundmass, quartz forms anhedral grains averaging 0.05-0.15 mm in size intergrown with plagioclase, which forms anhedral grains averaging 0.03-0.1 mm in size. Alteration of plagioclase is slight to cryptocrystalline sericite and dusty hematite.

Numerous coarser grained lenses up to 0.7 mm wide elongated parallel to foliation and more-equant patches up to 1.5 mm across are of quartz and much less abundant plagioclase grains averaging 0.2-0.5 mm in size, with a few quartz grains up to 0.8 mm across. Minor grains include biotite (replaced completely by chlorite-[Ti-oxide]) and calcite averaging 0.1-0.15 mm in size.

Muscovite forms disseminated flakes averaging 0.1-0.3 mm long, mainly oriented parallel to foliation. It is concentrated moderately to strongly in a few band up to 1 mm wide parallel to foliation. In a few muscovite-rich bands, it was folded about tight folds with wave length of about 1 mm.

Biotite forms flakes averaging 0.1-0.2 mm long and several up to 0.7 mm long. Pleochroism is from straw to dark brown. About half the smaller grains are replaced moderately to strongly to pseudomorphic chlorite with minor lenses of Ti-oxide. Chlorite is pleochroic from pale yellowish green to light green.

K-feldspar forms anhedral grains averaging 0.05-0.1 mm in size.

Magnetite (opaque) forms disseminated, equant grains averaging 0.01-0.05 mm in size and a few up to 0.25 mm across..

Epidote/allanite forms disseminated, anhedral to subhedral grains averaging 0.07-0.15 mm in size, with a few up to 0.25 mm long. Pleochroism of broad cores of allanite is from neutral to medium reddish brown. Many grains have thin, colourless rims of epidote.

Apatite forms anhedral grains averaging 0.03-0.07 mm in size and a few equant grains up to 0.15 mm across.

Calcite forms a few irregular to skeletal interstitial patches up to 0.1 mm in size.

Sample HT96-03 11.55 m **Quartz-Plagioclase-Biotite-Muscovite-(K-feldspar) Gneiss; Plagioclase Porphyroblasts**

Field Name: MBGN

Minor porphyroblasts of plagioclase are set in a well foliated, weakly compositionally banded groundmass dominated by bands of plagioclase-biotite-muscovite and others of quartz.

porphyroblasts			
plagioclase	2- 3%		
groundmass			
quartz	35-40	epidote	0.3
plagioclase	35-40	apatite	minor
muscovite	10-12	zircon	minor
biotite	5- 7	allanite	minor (one grain)
K-feldspar	1- 2		
veinlet			
limonite/hematite	*minor*		

Plagioclase forms anhedral, equant porphyroblasts averaging 0.5-1 mm in size, with a few elongate ones up to 1.5 mm long. Some contain minor to moderately abundant, disseminated flakes of sericite/muscovite. A few are replaced slightly to moderately by K-feldspar.

In the groundmass, plagioclase is concentrated in seams from 0.5-1 mm wide as anhedral grains averaging 0.05-0.1 mm in size, commonly intergrown with flakes of muscovite and lesser biotite and minor quartz. Plagioclase is altered slightly to dusty hematite.

Quartz is concentrated moderately in lenses parallel to foliation as grains averaging 0.2-0.4 mm in size. A few coarser grained lenses and patches consist of quartz and minor biotite grains averaging 0.3-0.7 mm in size, with a few grains up to 1 mm long.

Muscovite is concentrated in bands with plagioclase as flakes and clusters of flakes averaging 0.1-0.3 mm long, with a few up to 0.7 mm long.

Biotite forms flakes averaging 0.1-0.3 mm long intergrown with muscovite and plagioclase, and moderately abundant flakes from 1-2 mm long. Pleochroism is from straw to medium slightly greenish brown.

K-feldspar forms anhedral grains averaging 0.03-0.05 mm in size intergrown with plagioclase, and a few anhedral grains from 0.3-0.5 mm across.

Epidote forms disseminated grains averaging 0.02-0.03 mm in size and a few from 0.1-0.3 mm in length. One stubby, subhedral, prismatic grain 0.4 mm long is of allanite with a thin epidote rim. Allanite is colour-zoned and pleochroic, with pleochroism ranging from neutral to medium reddish brown in the core and neutral to pale reddish brown in the outer zone.

Apatite forms anhedral grains averaging 0.05-0.12 mm in size and a few up to 0.25 mm long.

Zircon forms several anhedral to subhedral grains averaging 0.07-0.13 mm in size.

An irregular, wispy veinlet cutting across foliation is of dark brown limonite/hematite.

Sample HT96-05 46.05 m **K-feldspar-Quartz-Plagioclase-(Biotite-Muscovite) Gneiss; Plagioclase and minor K-feldspar Porphyroblasts**

Field Name: MBGN

Porphyroblasts of plagioclase and lesser ones of K-feldspar are set in a well foliated, slightly compositionally banded groundmass dominated by K-feldspar, quartz, and plagioclase, with minor biotite and muscovite.

porphyroblasts			
plagioclase	5- 7%		
K-feldspar	3- 4		
groundmass			
K-feldspar	30-35	opaque	0.3%
quartz	25-30	epidote/allanite	0.2
plagioclase	17-20	apatite	0.1
biotite	3- 4	calcite	minor
muscovite	2- 3	zircon	minor

Plagioclase forms equant to elongate porphyroblasts from 0.5-2 mm in size. Some are replaced strongly by K-feldspar with minor patches of sericite/muscovite.

K-feldspar forms a few equant to elongate porphyroblasts averaging 0.7-1.5 mm in size and a few up to 1.7 mm long. Some were recrystallized slightly to moderately to groundmass quartz. A few contain corroded cores of plagioclase up to 0.9 mm across.

In the groundmass, K-feldspar, quartz, and plagioclase, form slightly interlocking, anhedral grains averaging 0.03-0.07 mm in size. Plagioclase is altered slightly to sericite and dusty hematite.

Quartz is concentrated moderately in lenses parallel to foliation as grains averaging 0.1-0.3 mm in size. A few coarser grained lenses averaging 0.5-0.7 mm wide contain grains from 0.2-0.7 mm in size.

Biotite forms ragged flakes averaging 0.1-0.5 mm in size, with a few up to 1.2 mm long, mainly oriented parallel to foliation. Pleochroism is from light to dark brown. A few biotite flakes are replaced completely by pseudomorphic chlorite and minor lenses of Ti-oxide. Chlorite is pleochroic from pale to light/medium green.

Muscovite forms flakes averaging 0.05-0.15 mm long, mainly oriented parallel to foliation and concentrated in plagioclase-rich bands.

Opaque forms disseminated, anhedral grains averaging 0.03-0.07 mm in size and a few up to 0.3 mm across. It is concentrated moderately in a few patches and lenses up to 0.5 mm in size as grains averaging 0.02-0.05 mm in size.

Epidote forms disseminated, anhedral grains averaging 0.03-0.07 mm in size. A few patches 0.4 mm across are zoned grains of allanite, which is weakly pleochroic from neutral to light to medium reddish brown. A few concentric growth zones are outlined by wispy seams of dusty inclusions. Surrounding these grains and partly replacing them are intergrowths of very fine grained epidote.

Apatite forms, equant anhedral grains averaging 0.05-0.12 mm in size.

Calcite forms a few irregular, interstitial grains up to 0.2 mm in size. One lens 0.015 mm wide occurs along a cleavage plane in a biotite flake.

Zircon forms anhedral to subhedral grains averaging 0.02-0.05 mm in size.

Sample HT96-03 35.90 m **Hornblende-Plagioclase-Calcite-Biotite Schist; Minor Ilmenite-Ti-oxide, Quartz, and Epidote Biotite Porphyroblasts; Sphene Veinlet**

Field Name: BCSH

The rock is a very fine to fine grained, moderately compositionally banded gneiss with bands dominated by hornblende and/or plagioclase, and others by calcite. Some hornblende-rich bands contain moderately abundant biotite porphyroblasts. Minor minerals are ilmenite (commonly rimmed by Ti-oxide), quartz, and epidote. A discontinuous veinlet is of sphene.

porphyroblasts			
biotite	5- 7%		
groundmass			
hornblende	30-35%	quartz	2%
plagioclase	30-35	epidote	2
calcite	17-20	apatite	trace
ilmenite-Ti-oxide	2- 3		
veinlet			
sphene	minor		

Hornblende forms anhedral grains averaging 0.03-0.15 mm in size, and a few elongate prismatic grains up to 0.7 mm long. Most larger grains are elongated in the foliation plane. Pleochroism is from light yellowish green to medium green.

Plagioclase forms anhedral grains averaging 0.03-0.05 mm in size and a few coarser megacrysts from 0.5-0.8 mm across. Alteration is slight to dusty sericite and hematite. The largest grain contains several acicular grains of apatite up to 0.3 mm long.

It is concentrated in a few patches and lenses up to 1 mm in size of anhedral grains averaging 0.2-0.4 mm in size.

Calcite is concentrated strongly in bands parallel to foliation averaging 0.5-1 mm wide and a few up to 1.5 mm wide, in which it forms equant grains averaging 0.2-0.6 mm in size and a few up to 0.8 mm long. Some lenses contain minor to moderately abundant quartz grains averaging 0.05-0.1 mm in size. A few lenses parallel to foliation are of very fine grained plagioclase with a few grains of calcite from 0.1-0.3 mm in size.

Biotite forms ragged porphyroblastic grains averaging 1.5-2.5 mm in size. Pleochroism is from pale to light or medium, slightly greenish brown.

Ilmenite, mainly rimmed by thin overgrowths or reaction rims of Ti-oxide, forms anhedral grains averaging 0.05-0.15 mm in size. It is concentrated moderately to strongly in seams parallel to foliation, in which it is intergrown mainly with hornblende, and in clusters from 0.3-0.7 mm in size.

Quartz forms anhedral grains averaging 0.05-0.1 mm n size and a few up to 0.17 mm across, mainly intergrown with plagioclase or calcite.

Epidote forms disseminated, equant to prismatic grains averaging 0.05-0.12 mm in size and a few up to 0.3 mm across. It is concentrated in a few bands, commonly with hornblende, as equant grains averaging 0.02-0.03 mm in size.

Apatite forms subhedral to anhedral grains averaging 0.07-0.1 mm in size and a few up to 0.3 mm across.

A discontinuous, veinlike zone up to 0.2 mm wide contains clusters up to 0.3 mm across of anhedral sphene grains averaging 0.05-0.1 mm in size.

Sample HT96-03 70.53 m **Compositionally Banded Schist: Plagioclase-Biotite-Hornblende-Epidote-Ilmenite**

Field Name: BCSH

The sample is a very fine to fine grained, well foliated, compositionally banded schist with most bands dominated by plagioclase or biotite-epidote. Near one end is a zone consisting of alternating bands rich in hornblende and in plagioclase, respectively. Accessory minerals include ilmenite and apatite.

plagioclase	40-45%	apatite	0.2%
biotite	30-35	chlorite	0.1
hornblende	10-12	quartz	0.1
epidote	7- 8	tourmaline	minor
ilmenite	2- 3	calcite	minor

Plagioclase forms equant grains averaging 0.03-0.07 mm in size, and a few up to 0.15 mm across. Alteration is moderate to locally strong to dusty hematite and cryptocrystalline sericite.

Biotite is concentrated strongly in layers up to a few mm wide in which it forms flakes averaging 0.5-1 mm long and a few up to 1.5 mm long. Other bands are of plagioclase-biotite, commonly with moderately abundant ilmenite. In hornblende-rich bands, biotite forms scattered ragged flakes averaging 0.5-1.2 mm in size. Pleochroism is from straw to medium, slightly greenish brown. A few grains are altered moderately to pseudomorphic chlorite. A few interstitial patches are of chlorite flakes averaging 0.1-0.3 mm in size; these may also be secondary after biotite, but are free of Ti-oxide inclusions, suggesting that they were formed by precipitation from metamorphic solutions rather than by alteration of biotite. Chlorite is pleochroic from pale to light green.

Hornblende forms aggregates of anhedral to subhedral, prismatic to irregular grains averaging 0.2-0.7 mm in size, and a few up to 1.5 mm long. A few clusters have sub-radiating textures. Pleochroism is from light yellowish green to medium, slightly bluish green. A few poikilitic grains contain moderately abundant inclusions of plagioclase averaging 0.02-0.03 mm in size.

Epidote is concentrated strongly in biotite-plagioclase-rich layers as disseminated grains averaging 0.1-0.25 mm in size, with a few elongate prismatic grains up to 1.8 mm long and a few equant grains up to 0.9 mm across.

Ilmenite forms equant grains averaging 0.02-0.07 mm in size, and platy grains averaging 0.1-0.2 mm long, and commonly elongated parallel to foliation. It is concentrated moderately to strongly in a few bands parallel to foliation, some of which cut across boundaries between plagioclase-rich and hornblende-rich bands. A few trains of opaque grains are up to 2.5 mm long.

Apatite forms disseminated, anhedral grains averaging 0.1-0.2 mm in size, and a few up to 0.45 mm long.

Quartz forms anhedral grains averaging 0.05-0.07 mm in size, intergrown with plagioclase in plagioclase-rich bands.

Tourmaline forms one anhedral, equant grain 0.8 mm across, oriented nearly perpendicular to the plane of the section. It ranges in colour from medium to medium/dark green to slightly bluish green.

Calcite forms equant grains averaging 0.1 mm in size interstitial to hornblende.

Sample HT96-03 92.55 m **Quartz-Plagioclase-Muscovite/Chlorite-Pyrite-Biotite Schist; Minor Garnet Porphyroblasts**

Field Name: MBSH

The sample is a slightly compositionally banded, well foliated, fine to medium grained schist dominated by quartz, plagioclase, and muscovite/chlorite, with lesser biotite and pyrite, and minor garnet and Ti-oxide. Slight to moderate warps are shown in micaceous layers and in rutile trains in these layers and in warped plagioclase grains.

quartz	25-30%	K-feldspar	0.5%
muscovite	20-25	garnet	0.3
plagioclase	17-20	calcite	0.2
chlorite	15-17	apatite	0.1
biotite	4- 5	epidote	0.1
pyrite	3- 4	chalcopyrite	trace
rutile	1- 2	galena	trace

Quartz is concentrated in patches and lenses up to 2 mm wide of anhedral grains averaging 0.3-0.8 mm in size.

Plagioclase forms anhedral grains averaging 0.3-0.7 mm in size. Many grains are strongly compositionally zoned from cores of oligoclase to rims of andesine. Cores commonly are fresh, and outer zones are altered slightly to moderately to sericite. Many grains contain minor to moderately abundant inclusions of rutile as in the muscovite-rich bands. A few of these trains are curved, suggesting that the original rock was folded prior to metamorphism to the present assemblage.

Muscovite, chlorite, and lesser biotite are concentrated moderately to strongly in bands up to 2 mm in size as flakes averaging 0.2-0.5 mm long, with a few patches from 0.7-1 mm in grain size. In many micaceous bands, muscovite and chlorite are intergrown intimately along cleavage planes. Bordering these and in quartz-plagioclase-rich bands, muscovite and chlorite tend to forms separate clusters of flakes. Biotite is pleochroic from pale to light/medium brown, and chlorite is very pale green. Rutile is concentrated in these bands as disseminated subhedral grains averaging 0.01-0.03 mm in size.

Pyrite forms subhedral to euhedral porphyroblasts averaging 0.7-2 mm in size and a few anhedral grains up to 3 mm across. It also forms a few anhedral patches from 0.1-0.2 mm in size. Many grains contain minor patches of rutile. A few contain an inclusion up to 0.03 mm in size of chalcopyrite and others contain an inclusion of similar size of galena.

Rutile forms grains averaging 0.02-0.05 mm in size and a few up to 0.1 mm long. It is concentrated moderately to strongly in seams and lenses in muscovite and plagioclase.

K-feldspar forms minor patches up to 0.5 mm in size; its distribution is best seen in the stained offcut block.

Calcite forms a few interstitial patches up to 0.8 mm in size of grains averaging 0.2-0.5 mm in size.

Garnet forms subhedral grains averaging 0.5-0.8 mm in size and a few up to 1 mm in size.

Apatite forms equant grains averaging 0.1-0.2 mm in size and a few up to 0.3 mm across.

Epidote forms anhedral grains averaging 0.07-0.1 mm in size and a few up to 0.15 mm long.

A few chalcopyrite grains up to 0.03 mm in size occur in quartz. Galena forms a few grains up to 0.02 mm in size associated with chalcopyrite.

Sample 96-03 95.80 m **Chlorite-Biotite-Pyrite-Garnet Schist**
Field Name: BCSH

The sample is dominated by fine to medium grained chlorite and pyrite with less abundant biotite and several coarse porphyroblasts of garnet. Minor minerals include rutile/ilmenite (concentrated in trains) , apatite, and sphalerite. Some of the trains of rutile and ilmenite were warped moderately and some textures in chlorite suggest that the rock was deformed tightly.
(Note that much of the section is thicker than normal, giving the chlorite a higher interference colour than in a section of normal thickness.)

chlorite	60-65%	ilmenite	0.2%
pyrite	12-15	sphalerite	0.1
biotite	10-12	ankerite	minor
garnet	7- 8	chalcopyrite	trace
rutile	0.7	galena	trace
apatite	0.4	zircon	trace
epidote	0.2		

Chlorite forms moderately interlocking flakes averaging 0.3-0.7 mm in length. It is pleochroic from neutral to light green. Biotite forms similar flakes, which are concentrated mainly on borders of pyrite grains; it is pleochroic from light to medium brown.

Pyrite forms disseminated porphyroblasts averaging 1-3 mm in size. A few grains are fractured slightly, and some of these contain minor patches of chalcopyrite and ilmenite up to 0.03 mm in size along fractures. A few pyrite grains contain an inclusion of chalcopyrite or galena averaging 0.02-0.03 mm in size, and one contains an inclusion 0.3 mm across, half of sphalerite and half of chalcopyrite. A few contain one or two inclusions of galena up to 0.2 mm long.

Garnet forms subhedral to euhedral porphyroblasts averaging 1-3.5 mm in size. They contain patches and trains of ilmenite and minor rutile inclusions averaging 0.03-0.05 mm in grain size. One contains an inclusion of anhedral apatite 0.7 mm long and a few inclusions of pyrite up to 0.3 mm across. Another contains a few inclusions up to 0.9 mm across of pyrite and moderately abundant ones of ilmenite averaging 0.03-0.07 mm in size. A few fractures in one garnet grain adjacent to pyrite contain wispy chalcopyrite veinlets up to 0.005 mm wide and 0.05 mm long.

Apatite forms disseminated, anhedral grains averaging 0.2-0.5 mm in size and a few equant grains from 0.8-1.3 mm across.

Epidote forms anhedral grains averaging 0.1-0.3 mm in size and a few ragged to subhedral, prismatic grains up to 0.5 mm long.

Ankerite form a few patches from 0.8-1 mm long adjacent to pyrite grains.

Sphalerite forms a few patches up to 0.3 mm long bordering pyrite grains or included in patches of pyrite. Some contain 1-2% exsolution blebs of chalcopyrite averaging 2-5 mm in size.

Rutile and lesser ilmenite form equant, anhedral grains averaging 0.02-0.05 mm in size, concentrated strongly in some bands in chlorite.

Zircon forms disseminated, subhedral to anhedral grains averaging 0.02-0.03 mm in size.

APPENDIX V

HAT TRICK GPS COORDINATES

Hat Trick 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

			UTM Coordinates				
	Hole No.	MSL	Northing	Easting	Data Quality	Base Station	Date
	HT96-01	1703	6784846	412504	Standard	W	03-Jul-96
	HT96-02	1703	6784846	412504	Standard	W	03-Jul-96
	HT96-01	1707	6784846	412505	Standard	W	31-Jul-96
	HT96-02	1707	6784846	412505	Standard	W	31-Jul-96
	HT96-03	1816	6784983	412329	Standard	W	03-Jul-96
	HT96-04	1821	6785144	412197	Standard	W	31-Jul-96
	HT96-05	1772	6785055	412379	Standard	W	05-Aug-96

B. Grid Station Points

	Grid Coordinates		UTM Coordinates				
Claim	Northing	Easting	Northing	Easting	Data Quality	Base Station	Date
Hat Trick	11100	9500	6784040	412530	Uncorrected	-	16-Jun-96
	11100	10000	6784282	412929	Uncorrected	-	16-Jun-96
	11300	10000	6784561	412941	Poor	W	29-Jun-96
	11500	10000	6784610	412749	Standard	W	29-Jun-96
	11500	10000 B/L	6784617	412714	Standard	W	26-Jun-96
	11700	8800	6784239	411596	Standard	W	25-Jun-96
	11700	9500	6784542	412226	Standard	DL	01-Jul-96
	11700	9800	6784666	412486	Standard	W	26-Jun-96
	12000	10000	6785080	412480	Uncorrected	-	03-Jul-96
(OLD GRID)	12100	10000	6785163	412425	Uncorrected	-	03-Jul-96
	12300	8100	6784448	410632	Standard	W	25-Jun-96
	12300	8800	6784744	411267	Poor	W	25-Jun-96
	12500	10000	6785502	412247	Standard	W	17-Jun-96
	12545	9509	6785273	411816	Poor	W	17-Jun-96
	13000	8100	6785061	410290	Standard	W	26-Jul-96
	13000	8750	6785405	410853	Standard	W	26-Jul-96
	13000	8850	6785459	410939	Standard	W	26-Jul-96
	13100	9500	6785756	411538	Standard	W	11-Jul-96
	13350	9500	6785976	411412	Standard	W	11-Jul-96
	13500	8100	6785498	410047	Standard	W	13-Jul-96
	13600	9500	6786191	411284	Standard	W	11-Jul-96

13700	8100	6785675	409948	Standard	W	25-Jun-96
13700	8300	6785759	410150	Standard	W	13-Jul-96
13700	9125	6786107	410896	Standard	W	11-Jul-96
13800	8450	6785929	410229	Standard	W	13-Jul-96
13800	8800	6786092	410537	Standard	W	13-Jul-96
13800	8925	6786161	410633	Standard	W	13-Jul-96
13800	9250	6786309	410924	Standard	W	11-Jul-96
13900	9500	6786451	411134	Standard	W	17-Jun-96
13900	9500	6786451	411133	Standard	W	11-Jul-96

C. Expatriate Resources Ltd. Claim Posts

			UTM Coordinates				
Claim	Posts 1	Posts 2	Northing	Easting	Data Quality	Base Station	Date
Hat Trick	1, 2		-	-	N/S	-	-
	3, 4	1, 2	-	-	N/S	-	-
	5, 6	3, 4	-	-	N/S	-	-
	7, 8	5, 6	-	-	N/S	-	-
	9, 10	7, 8	6784246	412256	Standard	W	11-Jul-96
	11, 12	9, 10	6784507	413243	Standard	W	11-Jul-96
	13, 14	11, 12	6784331	412999	Standard	W	11-Jul-96
	15, 16	13, 14	6784770	413713	Standard	W	11-Jul-96
	17, 18	15, 16	-	-	N/S	-	-
	19, 20	17, 18	6785289	414407	Standard	W	12-Jul-96
	21, 22	19, 20	6785414	414742	Standard	W	12-Jul-96
	23, 24	21, 22	6785715	415160	Standard	W	12-Jul-96
	25, 26	23, 24	6785946	415555	Standard	W	12-Jul-96
	-	25, 26	6786134	415939	Uncorrected	-	12-Jul-96
Hat Trick	27, 28	-	6784618	410215	Standard	W	09-Jul-96
	29, 30	27, 28	6784803	410560	Standard	W	09-Jul-96
	31, 32	29, 30	6784755	410932	Standard	W	09-Jul-96
	33, 34	31, 32	6785061	411568	Poor	W	09-Jul-96
	-	33, 34	6785482	411658	Standard	W	09-Jul-96
Hat Trick	37, 38	-	6785873	411958	Standard	W	09-Jul-96
	39, 40	37, 38	6786140	412498	Poor	W	09-Jul-96
	41, 42	39, 40	6786331	412802	Standard	W	09-Jul-96
	43, 44	41, 42	6786564	413190	Standard	W	09-Jul-96
	45, 46	43, 44	6786769	413586	Standard	W	09-Jul-96
	47, 48	45, 46	6786900	413967	Standard	W	09-Jul-96
	49, 50	47, 48	6787202	414294	Uncorrected	-	09-Jul-96
	-	49, 50	6787215	414510	Standard	W	09-Jul-96
Hat Trick	51, 52	-	6786567	411170	Standard	W	06-Jul-96
	-	51, 52	6786763	411591	Poor	W	07-Jul-96
Hat Trick	53, 54	-	-	-	N/S	-	-
	55, 56	53, 54	6784334	410960	Standard	W	31-Jul-96
	-	55, 56	6784567	411349	Standard	W	31-Jul-96
Hat Trick	57, 58	-	-	-	N/S	-	-
	59, 60	57, 58	-	-	N/S	-	-
	-	59, 60	6783425	412694	Uncorrected	-	07-Jul-96
Hat Trick	61, 62	-	6786763	411591	Poor	W	07-Jul-96

	63, 64	61, 62	6786976	412031	Standard	W	07-Jul-96
	65, 66	63, 64	-	-	N/S	-	-
	-	65, 66	6787428	412798	Poor	W	07-Jul-96
Hat Trick	67, 68	-	6783425	412694	Uncorrected	-	11-Jul-96
	69,70	67, 68	6783668	413285	Standard	W	10-Jul-96
	71, 72	69,70	6783879	413698	Standard	W	10-Jul-96
	73, 74	71, 72	-	-	N/S	-	-
	-	73, 74	-	-	N/S	-	-
Hat Trick	75, 76	-	6786567	411170	Standard	W	06-Jul-96
	77, 78	75, 76	6786355	410790	Standard	W	06-Jul-96
	-	77, 78	6786153	410488	Standard	W	06-Jul-96
Hat Trick	79, 80	-	6788186	412329	Standard	W	06-Jul-96
	81,82	79, 80	-	-	N/S	-	-
	83, 84	81,82	6787433	411624	Poor	W	06-Jul-96
	85, 86	83, 84	6787582	411202	Standard	W	06-Jul-96
	87, 88	85, 86	6786675	410757	Poor	W	06-Jul-96
	89, 90	87, 88	6787207	410474	Standard	W	06-Jul-96
	-	89, 90	6786998	410094	Standard	W	06-Jul-96
Hat Trick	91, 92	-	6788856	412067	Standard	W	13-Jul-96
	93, 94	91, 92	-	-	N/S	-	-
	95, 96	93, 94	6788436	411202	Standard	W	13-Jul-96
	97, 98	95, 96	6788317	410835	Standard	W	13-Jul-96
	99, 100	97, 98	6788168	410481	Standard	W	13-Jul-96
	101, 102	99, 100	6787979	410045	Standard	W	08-Jul-96
	-	101, 102	-	-	N/S	-	-
Hat Trick	103, 104	-	-	-	N/S	-	-
	105, 106	103, 104	6784779	411715	Standard	W	31-Jul-96
	107, 108	105, 106	6784962	412059	Standard	W	12-Jul-96
	109, 110	107, 108	6785165	412429	Standard	W	12-Jul-96
	111, 112	109, 110	6785386	412824	Standard	W	12-Jul-96
	113, 114	111, 112	6785597	413210	Standard	W	12-Jul-96
	115, 116	113, 114	6785807	413600	Standard	W	12-Jul-96
	117, 118	115, 116	6786039	413986	Standard	W	12-Jul-96
	119, 120	117, 118	6786444	414086	Poor	W	12-Jul-96
	121, 122	119, 120	6786513	414736	Standard	W	12-Jul-96
	-	121, 122	6786727	415027	Standard	W	12-Jul-96
Hat Trick	123, 124	-	6782998	409324	Standard	W	31-Jul-96
	125, 126	123, 124	6783205	409708	Standard	W	31-Jul-96
	127, 128	125, 126	6783419	410091	Standard	W	31-Jul-96
	-	127, 128	6783616	410421	Standard	W	31-Jul-96
Hat Trick	129, 130	-	6783459	409266	Standard	W	31-Jul-96
	131, 132	129, 130	6783712	409734	Standard	W	31-Jul-96
	133, 134	131, 132	6783906	410126	Standard	W	31-Jul-96
	-	133, 134	-	-	N/S	-	-
Hat Trick	135, 136	-	-	-	N/S	-	-
	137, 138	135, 136	-	-	N/S	-	-
	139, 140	137, 138	-	-	N/S	-	-
	141, 142	139, 140	-	-	N/S	-	-
	-	141, 142	-	-	N/S	-	-
Hat Trick	143, 144	-					
	145, 146	143, 144	6784753	407855	Standard	W	05-Jul-96
	147, 148	145, 146	6785031	408263	Standard	W	05-Jul-96
	149, 150	147, 148	6785244	408618	Standard	W	05-Jul-96

	151, 152	149, 150	6785437	408986	Standard	W	05-Jul-96
	153, 154	151, 152	-	-	N/S	-	-
	155, 156	153, 154	6785809	409766	Standard	W	05-Jul-96
	157, 158	155, 156	6785982	410169	Standard	W	05-Jul-96
	-	157, 158	6786153	410488	Standard	W	06-Jul-96
Hat Trick	159, 160	-	6785372	407136	Standard	W	22-Jun-96
	161, 162	159, 160	6785591	407495	Standard	W	22-Jun-96
	163, 164	161, 162	6785795	407810	Standard	W	22-Jun-96
	165, 166	163, 164	6786008	408274	Poor	W	22-Jun-96
	167, 168	165, 166	6786242	408645	Standard	W	22-Jun-96
	169, 170	167, 168	6786564	409080	Poor	W	22-Jun-96
	171, 172	169, 170	6786681	409350	Poor	W	22-Jun-96
	173, 174	171, 172	6786811	409710	Standard	W	06-Jul-96
	-	173, 174	6786998	410094	Standard	W	06-Jul-96
Hat Trick	175, 176	-	6785879	406553	Standard	W	08-Jul-96
	177, 178	175, 176	6786127	406934	Standard	W	08-Jul-96
	179, 180	177, 178	6786207	407270	Poor	W	08-Jul-96
	181, 182	179, 180	6786581	407729	Standard	W	08-Jul-96
	183, 184	181, 182	6786795	408167	Standard	W	08-Jul-96
	185, 186	183, 184	6787052	408528	Standard	W	08-Jul-96
	187, 188	185, 186	6787317	408906	Standard	W	08-Jul-96
	189, 190	187, 188	6787467	409305	Poor	W	08-Jul-96
	-	189, 190	6787785	409624	Uncorrected	-	09-Jul-96
Hat Trick	191, 192	-	6786715	406170	Standard	W	07-Jul-96
	193, 194	191, 192	6786974	406543	Standard	W	07-Jul-96
	195, 196	193, 194	6787216	406898	Poor	W	07-Jul-96
	197, 198	195, 196	6787083	407243	Poor	W	07-Jul-96
	199, 200	197, 198	6787674	407637	Standard	W	07-Jul-96
	201, 202	199, 200	-	-	N/S	-	-
	203, 204	201, 202	6788126	408401	Standard	W	07-Jul-96
	205, 206	203, 204	6788350	408788	Standard	W	07-Jul-96
	207, 208	205, 206	6788546	409189	Poor	W	24-Jul-96
	209, 210	207, 208	6788744	409573	Poor	W	24-Jul-96
	211, 212	209, 210	6788958	409971	Poor	RR	24-Jul-96
	213, 214	211, 212	6789158	410361	Poor	RR	24-Jul-96
	215, 216	213, 214	6789376	410766	Poor	RR	24-Jul-96
	217, 218	215, 216	6789586	411167	Poor	RR	24-Jul-96
	-	217, 218	-	-	N/S	-	-
Hat Trick	219, 220	-	6787395	405818	Standard	W	15-Jun-96
	221, 222	219, 220	6787670	406199	Poor	W	15-Jun-96
	223, 224	221, 222	6787867	406605	Standard	W	15-Jun-96
	225, 226	223, 224	6788081	407000	Standard	W	15-Jun-96
	227, 228	225, 226	6788290	407358	Poor	W	15-Jun-96
	229, 230	227, 228	6788556	407692	Standard	W	17-Jun-96
	231, 232	229, 230	6788768	408093	Uncorrected	-	17-Jun-96
	233, 234	231, 232	-	-	N/S	-	-
	235, 236	233, 234	6789214	408843	Uncorrected	-	17-Jun-96
	237, 238	235, 236	6789426	409247	Standard	W	21-Jun-96
	239, 240	237, 238	6789670	409609	Standard	W	21-Jun-96
	241, 242	239, 240	6789892	410008	Standard	W	21-Jun-96
	243, 244	241, 242	6790110	410354	Standard	W	21-Jun-96
	245, 246	243, 244	6790380	410762	Standard	W	21-Jun-96
	-	245, 246	6790583	411135	Standard	W	21-Jun-96
Hat Trick	247, 248	-	6788288	405692	Standard	W	25-Jul-96
	249, 250	247, 248	6788506	405963	Standard	W	25-Jul-96
	251, 252	249, 250	6788699	406270	Standard	W	25-Jul-96
	253, 254	251, 252	6788909	406609	Poor	RR	24-Jul-96

	255, 256	253, 254	-	-	N/S	-	-
	257, 258	255, 256	-	-	N/S	-	-
	259, 260	257, 258	6789552	407717	Poor	RR	24-Jul-96
	261, 262	259, 260	6789761	408070	Poor	RR	24-Jul-96
	263, 264	261, 262	6789979	408444	Poor	RR	24-Jul-96
	265, 266	263, 264	6790206	408819	Poor	RR	24-Jul-96
	267, 268	265, 266	6790456	409189	Poor	RR	24-Jul-96
	269, 270	267, 268	-	-	N/S	-	-
	271, 272	269, 270	6790888	409939	Standard	W	26-Jul-96
	273, 274	271, 272	6791091	410302	Standard	W	26-Jul-96
	-	273, 274	6791309	410679	Standard	W	26-Jul-96
Hat Trick	275, 276	-	6789116	404960	Standard	W	25-Jul-96
	277, 278	275, 276	-	-	N/S	-	-
	279, 280	277, 278	6789467	405582	Standard	W	25-Jul-96
	281, 282	279, 280	6789681	406009	Standard	W	25-Jul-96
	283, 284	281, 282	6789920	406402	Standard	W	25-Jul-96
	285, 286	283, 284	6790140	406784	Standard	W	25-Jul-96
	287, 288	285, 286	6790334	407108	Standard	W	25-Jul-96
	289, 290	287, 288	6790530	407496	Standard	W	25-Jul-96
	291, 292	289, 290	6790775	407895	Standard	W	25-Jul-96
	293, 294	291, 292	6790981	408299	Standard	W	25-Jul-96
	295, 296	293, 294	-	-	N/S	-	
	297, 298	295, 296	6791213	408681	Standard	W	26-Jul-96
	299, 300	297, 298	6791399	409097	Standard	W	26-Jul-96
	301, 302	299, 300	-	-	N/S	-	-
	-	301, 302	-	-	N/S	-	-
Hat Trick	303,304	-	6789788	404500	Standard	W	25-Jul-96
	305, 306	303,304	6789994	404892	Standard	W	25-Jul-96
	307, 308	305, 306	6790241	405239	Standard	W	25-Jul-96
	309, 310	307, 308	6790455	405608	Standard	W	25-Jul-96
	311, 312	309, 310	-	-	N/S	-	-
	313, 314	311, 312	6790892	406332	Standard	W	25-Jul-96
	315, 316	313, 314	6791108	406699	Standard	W	25-Jul-96
	-	315, 316	6791324	407083	Standard	W	25-Jul-96
Hat Trick	317, 318	-			N/S		
	319, 320	317, 318	6784497	414861	Standard	W	11-Jul-96
	-	319, 320	6784689	415247	Standard	W	11-Jul-96
Hat Trick	321, 322	-	6782901	413814	Standard	W	10-Jul-96
	323, 324	321, 322	6783134	414190	Standard	W	10-Jul-96
	325, 326	323, 324	6783340	414566	Standard	W	10-Jul-96
	327, 328	325, 326	6783534	414889	Standard	W	10-Jul-96
	329, 330	327, 328	6783772	415292	Standard	W	10-Jul-96
	-	329, 330	-	-	N/S	-	-
Hat Trick	331, 332	-	6787428	412798	Poor	W	07-Jul-96
	333, 334	331, 332	6787591	413176	Poor	W	07-Jul-96
	335, 336	333, 334	6787750	413453	Standard	W	07-Jul-96
	-	335, 336	6787992	413872	Uncorrected	-	07-Jul-96
Hat Trick	337, 338	-	6786811	409710	Standard	W	06-Jul-96
	339, 340	337, 338	6788370	412723	Uncorrected		06-Jul-96
	341, 342	339, 340	6788556	413079	Poor	W	06-Jul-96
	-	341, 342	6788785	413490	Standard	W	06-Jul-96
Hat Trick	343, 344	-	6788856	412067	Standard	W	13-Jul-96
	345, 346	343, 344	6789054	412445	Standard	W	13-Jul-96
	347, 348	345, 346	6789243	412827	Standard	W	13-Jul-96
	-	347, 348	-	-	N/S	-	-

Hat Trick	349, 350	-	1231	6789814	411573	Poor	RR	24-Jul-96
	351, 352	349, 350	1169	6789998	411917	Poor	RR	24-Jul-96
	353, 354	351, 352	1115	6790208	412291	Poor	RR	24-Jul-96
	-	353, 354	1115	6790412	412701	Poor	RR	24-Jul-96
Hat Trick	355, 356	-		6790583	411135	Standard	W	21-Jun-96
	357, 358	355, 356		6790773	411514	Poor	W	21-Jun-96
	359, 360	357, 358		-	-	N/S	-	-
	-	359, 360		-	-	N/S	-	-
Hat Trick	361, 362	-		-	-	N/S	-	-
	363, 364	361, 362		6791495	411081	Standard	W	26-Jul-96
	365, 366	363, 364		6791698	411489	Standard	W	26-Jul-96
	-	365, 366		6791908	411903	Standard	W	26-Jul-96
Hat Trick	367, 368	-		-	-	N/S	-	-
	369, 370	367, 368		-	-	N/S	-	-
	371, 372	369, 370		6792353	411017	Standard	W	26-Jul-96
	-	371, 372		6792533	411450	Standard	W	26-Jul-96
Hat Trick	373, 374	-		-	-	N/S	-	-
	375, 376	373, 374		-	-	N/S	-	-
	-	375, 376		-	-	N/S	-	-
Hat Trick	377, 378	-		6784689	415247	Standard	W	11-Jul-96
	379, 380	377, 378		6784938	415613	Standard	W	11-Jul-96
	381, 382	379, 380		6785209	415987	Uncorrected		11-Jul-96
	383, 384	381, 382		6785424	416326	Standard	W	11-Jul-96
	-	383, 384		6785469	416378	Standard	W	11-Jul-96
Hat Trick	385, 386			6787052	405586	Standard	W	15-Jun-96
	387, 388	385, 386		6786799	405180	Poor	W	15-Jun-96
	-	387, 388		-	-	N/S	-	-

D. Geological Stations

Claim	Station	UTM Coordinates Northing	Easting	Data Quality	Base Station	Date
Hat Trick	PAD C	6785727	411446	Standard	W	03-jul-96
	PAD D	6785624	411508	Standard	W	03-jul-96
	PAD F	6784943	412563	Standard	W	03-jul-96
	PAD H	6785283	412065	Standard	W	11-Jul-96
	PAD I	6785451	411893	Standard	W	11-Jul-96
	PAD J-10ft e	6785043	412331	Poor	W	25-Aug-96
	96 88	6784811	412360	Standard	W	26-Jun-96
	96 105	6784984	412237	Standard	W	26-Jun-96
	96 108	6785492	411738	Poor	W	26-Jun-96
	96 118	6784529	412770	Standard	W	29-Jun-96
	96 121	6784581	412835	Standard	W	29-Jun-96
	96 122	6784577	412890	Poor	W	29-Jun-96
	96 123	6784561	412941	Poor	W	29-Jun-96
	96 124	6784542	413018	Standard	W	29-Jun-96
	96 127	6784720	412753	Poor	W	29-Jun-96
	96 129	6784516	413236	Standard	DL	01-Jul-96

96 130	6784527	413534	Standard	DL	01-Jul-96
96 131	6784538	413594	Standard	DL	01-Jul-96
96 132	6784633	413697	Standard	DL	01-Jul-96
96-133	6784761	413710	Standard	DL	01-Jul-96
96-134	6784733	413648	Standard	DL	01-Jul-96
96 135	6784648	413551	Standard	DL	01-Jul-96
96 136	6784664	413520	Poor	DL	01-Jul-96
96 137	6784658	413498	Poor	DL	01-Jul-96
96 138	6784694	413378	Standard	DL	01-Jul-96
96 139	6784682	413337	Standard	DL	01-Jul-96
96 140	6785492	411800	Poor	W	03-Jul-96
96 173	6785976	411412	Standard	W	11-Jul-96
96 174	6786451	411133	Standard	W	11-Jul-96
96 175	6786423	410989	Standard	W	11-Jul-96
96 176	6786309	410924	Standard	W	11-Jul-96
96 178	6786107	410896	Standard	W	11-Jul-96
96 184	6785929	410229	Standard	W	13-Jul-96
96 185	6786085	410323	Standard	W	13-Jul-96
96 186	6786088	410384	Standard	W	13-Jul-96
96 187	6786084	410431	Standard	W	13-Jul-96
96 188	6786092	410537	Standard	W	13-Jul-96
96 189	6786161	410633	Standard	W	13-Jul-96
96 190	6786747	411155	Standard	W	13-Jul-96
96 191	6786620	411159	Standard	W	13-Jul-96
96 192	6786299	411647	Standard	W	13-Jul-96
96 193	6786378	411694	Standard	W	13-Jul-96
96 193A	6789532	411060	Uncorrected	-	24-Jul-96
96 195	6789245	411286	Uncorrected	-	24-Jul-96
96 196	6789109	411202	Uncorrected	-	24-Jul-96
96 198	6788482	411111	Uncorrected	-	24-Jul-96
96 199	6787474	411096	Uncorrected	-	24-Jul-96
96 204	6786623	412022	Unocrrected	-	24-Jul-96
96 208	6787952	412112	Uncorrected	-	24-Jul-96
96 209	6785678	412329	Standard	W	26-Jul-96
96 210	6785773	412461	Standard	W	26-Jul-96
96 211	6786189	412856	Uncorrected		26-Jul-96
96 212	6786078	411903	Standard	W	26-Jul-96
96 214	6785459	410939	Standard	W	26-Jul-96
96 215	6785405	410853	Standard	W	26-Jul-96
96 216	6785344	410748	Standard	W	26-Jul-96
96 217	6784669	411189	Standard	W	26-Jul-96
96 228	6784696	411984	Standard	W	31-Jul-96
96 229	6784610	412025	Standard	W	31-Jul-96
96 232	6784081	412223	Standard	W	31-Jul-96
96 233	6783941	412197	Standard	W	31-Jul-96
96 236	6783567	411694	Standard	W	31-Jul-96
96 313	6784494	412457	Poor	W	25-Aug-96
96 314	6784773	412074	Poor	W	25-Aug-96
96 315	6784269	411608	Standard	W	25-Aug-96
96 316	6784102	411718	Standard	W	25-Aug-96
96 317	6784122	411424	Poor	W	25-Aug-96
96 318	6784051	410846	Standard	W	25-Aug-96

96 319	6784005	410828	Standard	W	25-Aug-96
96 320	6783914	410714	Standard	W	25-Aug-96
T38041	6785659	411337	Standard	W	26-Jun-96
T38048	6785496	411700	Standard	W	11-Jul-96
T38051	6785384	411821	Standard	W	11-Jul-96
T38052	6785339	411873	Standard	W	11-Jul-96
FLAT	6784848	412844	Standard	W	29-Jun-96
FLAT	6784871	412737	Standard	W	29-Jun-96
FLAT	6784900	412696	Standard	W	29-Jun-96
FLAT	6784933	412668	Standard	W	29-Jun-96
FLAT	6784831	412978	Standard	W	29-Jun-96

E. Claim Posts From Adjoining Claim Blocks

			UTM Coordinates				
Claim	Posts 1	Posts 2	Northing	Easting	Data Quality	Base Station	Date
Rife	-	89, 91	6787767	414181	Uncorrected	-	07-Jul-96

APPENDIX IV

PETROGRAPHIC EXAMINATION OF MISCELLANEOUS SAMPLES BY LESLIE INVESTMENTS LTD., RESEARCH AND CONSULTING DIVISION PREPARED FOR WESTMIN RESOURCES LIMITED AUGUST, 1996

PETROGRAPHIC EXAMINATION OF MISCELLANEOUS SAMPLES

Prepared for: **Westmin Resources**

Vancouver, B.C.

August, 1996

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INTRODUCTION

The accompanying notes describe the petrography of two samples received from Paul Lhotka. Drill core PK-96-02 is from the Puck property, and HT96PL4 is from the Hat Trick property, both presumably in the Finlayson Lake area.

PK-96-02

The sample consists of a 7-cm length of drill core from hole PK-96-02 at 89.6 m. The UP direction is indicated on the core. The sample is megascopically well-layered, and appears to be a lapilli tuff in which the uppermost 1.7 cm is largely massive"chloritic" and contains scattered, highly irregular, white, quartzose patches that are up to 0.5 × 1.3 cm. Most of the white patches have their elongation direction at a high angle to the layering. Beneath this zone is a 1.5- to 2-cm thickness of well-layered tuff, within which are numerous pinkish grains tentatively logged as garnet. The grains are slightly elongate parallel to the layering, are up to 3 mm in length, and are much sparser in the rest of the core. The garnet-rich area was marked by a circle on the core surface; thus, the polished thin section for microscopy was cut to include the garnet-rich and the overlying "chloritic" zones.

Reflected-light microscopy showed that the opaque minerals in the section consist largely of fine-grained aggregates and disseminated grains of anhedral pyrite and magnetite. One or the other of the minerals predominates in individual layers (Fig. 1), but the predominance does not extend to total exclusion.

In transmitted light, the megascopic "chlorite" is revealed to be principally fine-grained, greenish biotite. As is evident megascopically, the biotite-rich layers alternate with quartzose layers. The quartz is variably fine-grained and is accompanied by trace amounts of sodic plagioclase and by abundant carbonate. The textures and associations are similar to those that occur in Wolverine tuffaceous rocks, but a notable exception is the presence of abundant garnet grains (Fig. 2), which are the pinkish mineral evident microscopically. The garnet grains have irregular margins and have the appearance of aggregates, some with turbid centres (Fig. 2). Whether aggregates or not, their large size is in contrast to the fineness of the associated silicates.

The only other unusual feature of the rock is the presence of trace amounts of a silicate that occurs in radial clusters (Figs. 3, 4). Some of the clusters partly (never wholly) rim garnet, radiating outward from it, but most clusters seem to occur randomly rather than having a specific association with another mineral. Attempts to identify the mineral by X-ray patterns were unsuccessful, but energy-dispersion spectra revealed that the mineral is an iron silicate.

An X-ray diffractogram of a bulk sample (Fig. 5) indicates that the carbonates are ankerite and siderite, both in major amounts, plus a trace of calcite. To verify the identification of the carbonate X-ray peaks and simplify the X-ray pattern, the sample was immersed in 10% HCl for several hours to dissolve the carbonates. The subsequent X-ray pattern (Fig. 6), in addition to being free of carbonates, also showed a substantial decrease in the main 7-Å peak for chlorite, thus suggesting that the unidentified iron silicate could be cronstedtite, a chlorite-like mineral that is known to occur as fibres, and which gelatinizes in HCl.

The X-ray pattern of the garnet does not match that of grossular (*i.e.*, Ca-Al dominance) or spessartine (Mn-dominant), but is in reasonable agreement with a slightly enlarged cell for almandine, ideally $Fe_3^{2+}Al_2(SiO_4)_3$. However, an energy-dispersion spectrum shows that substantial Ca and Mn are also present (Fig. 7); thus, the garnet is an intermediate Fe-Al-Ca-Mn member with Fe > Mn and a notable absence of Mg.

The texture of the rock suggests that it is tuffaceous in origin. The chemical composition and mineralogy, both of which are extremely high in iron, reflect an exhalative component exemplified by the assemblage pyrite-magnetite-siderite-ankerite. The analytical K_2O content, 0.49 wt%, is not representative of the high mica content in the thin section, but the section was selected from an interval that is highly mica-rich. The irregular, almost serrate margins of the garnet grains, the lack of contortion of the adjoining tuffaceous material, and the transgression of the fine-grained tuffaceous layering all suggest *in-situ* growth rather than a phenocrystic origin for the garnet.

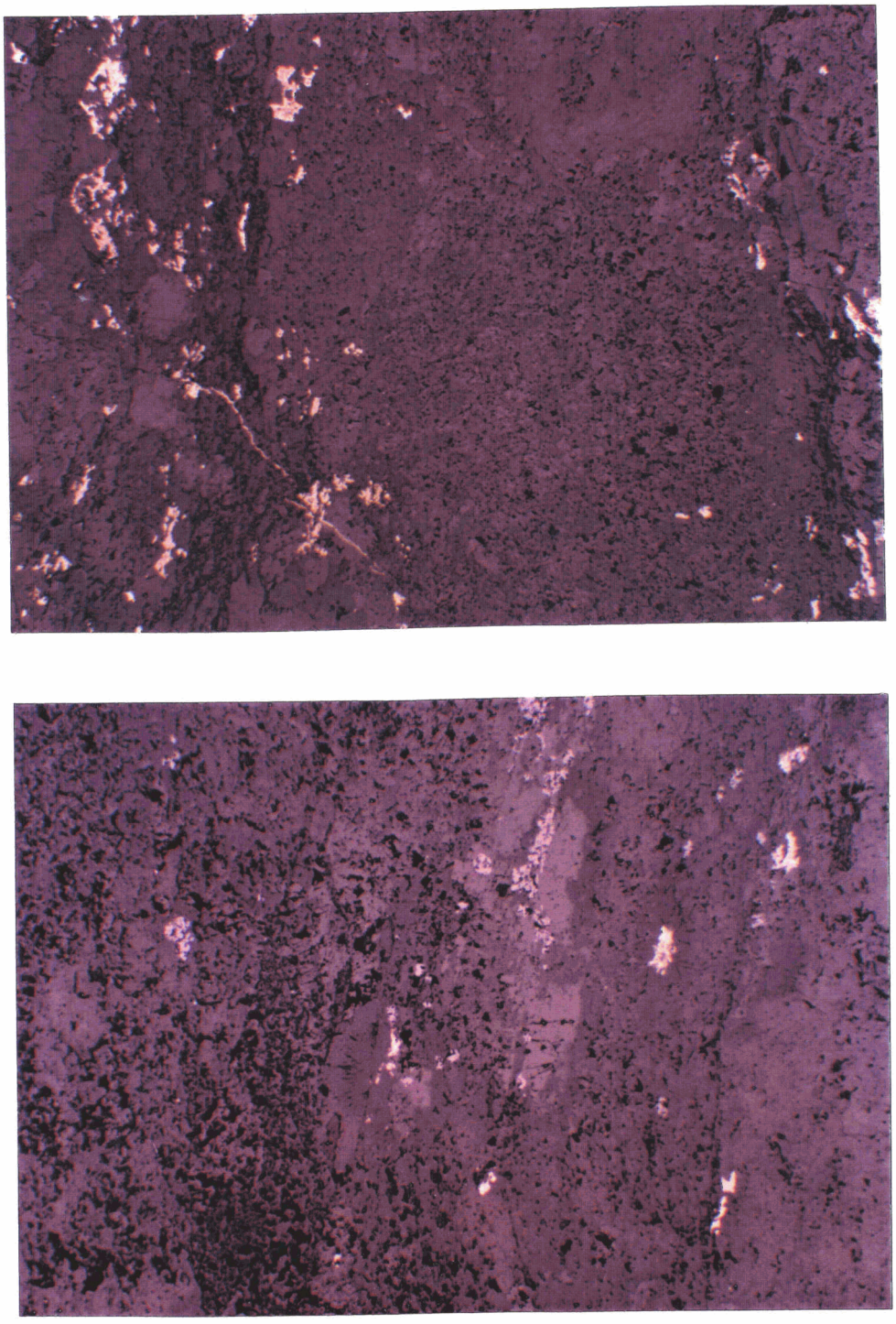

Figure 1. Reflected-light photographs of PK-96-02, 89.6 m. Top photo shows fine-grained aggregates and micro-veinlets of pyrite; lower photo shows mainly magnetite in left two-thirds of photo, and mainly pyrite in right third. Width of field is 7.8 mm.

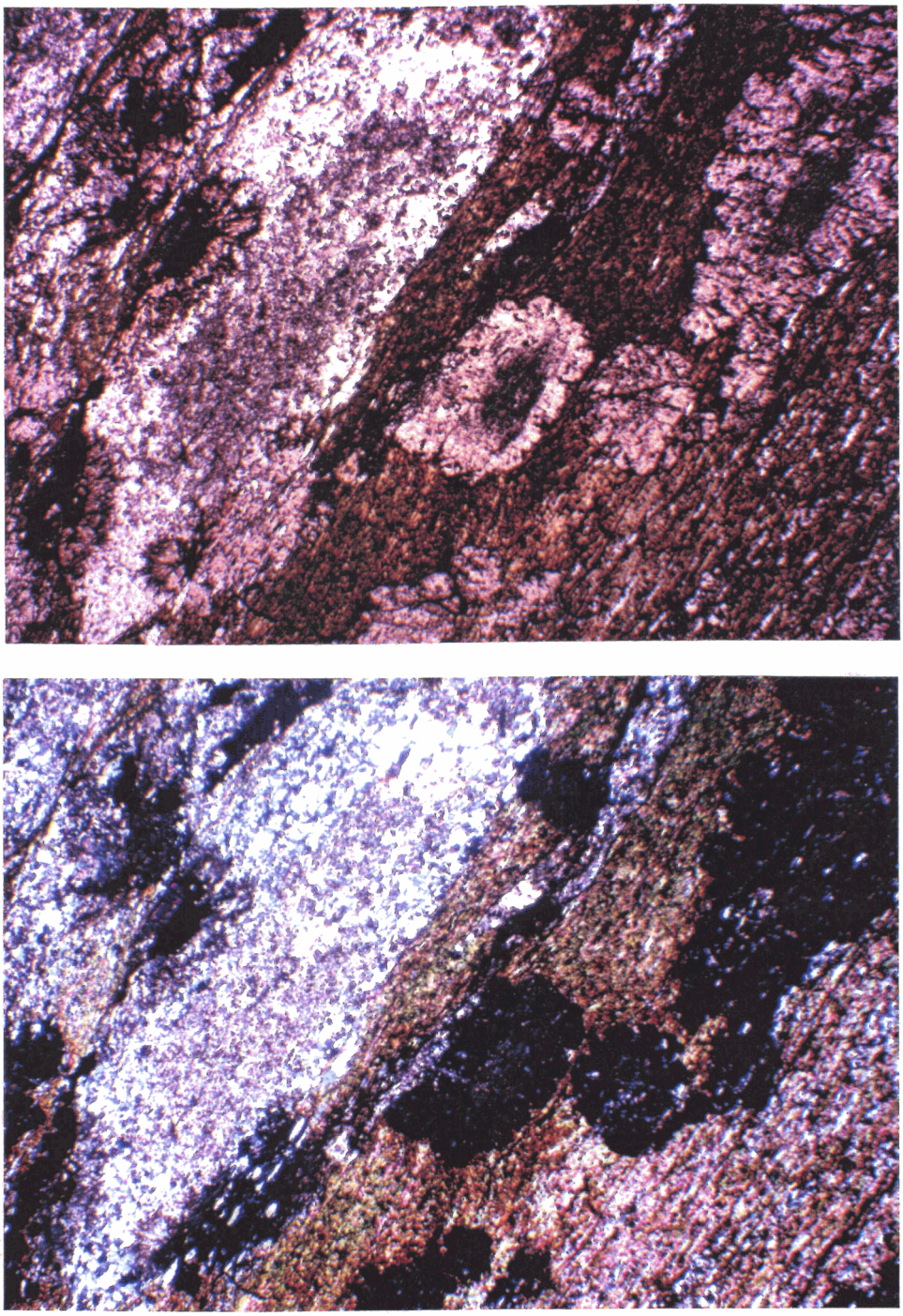

Figure 2. Transmitted-light photographs of PK-96-02, 89.6 m; upper photo in plain light, and lower photo with crossed polarizers. Large, irregularly-bordered garnet grains (right half of photo) are within a matrix consisting mainly of fine-grained biotite and quartz. Width of field is 7.8 mm.

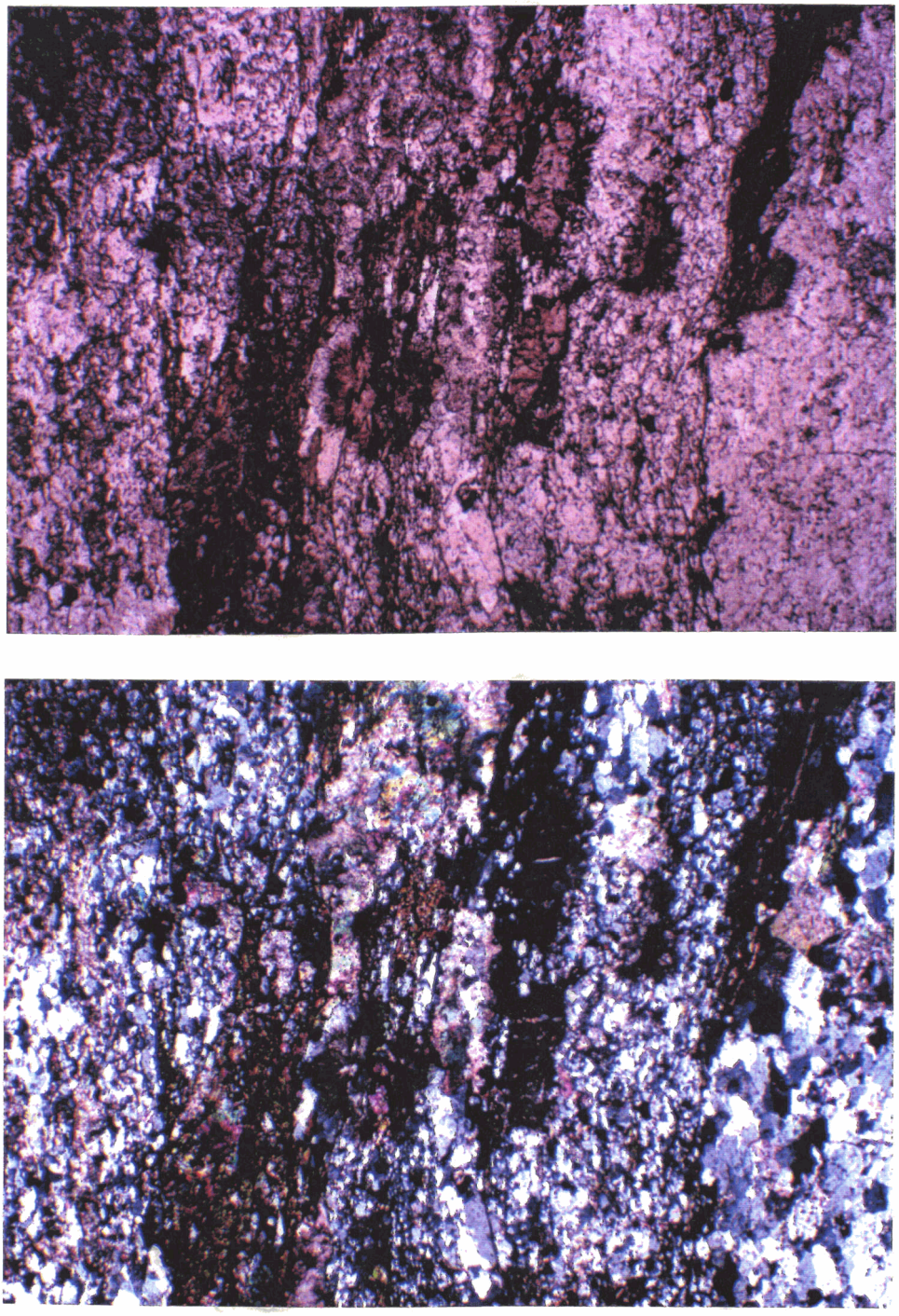

Figure 3. Transmitted-light photographs of PK-96-02, 89.6 m; upper photo is in plain light, and lower photo is same area, but with nicols crossed. The photos show the fine-grained, but variable, quartzose matrix and abundant associated carbonates. The central area contains several grains of garnet, some partly rimmed by a fine-grained fibrous silicate (see also Fig. 4). Width of field is 7.8 mm.

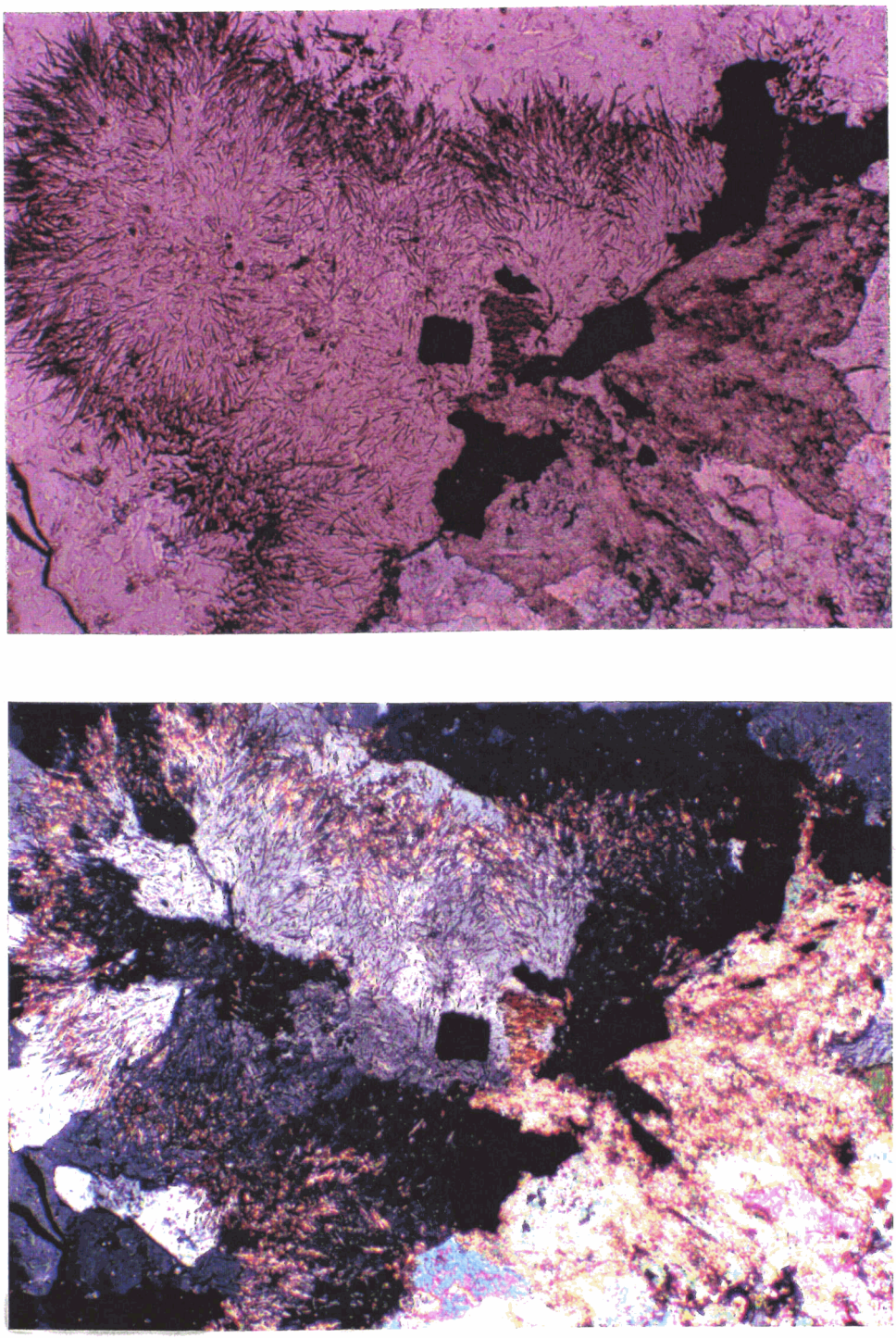

Figure 4. Transmitted-light photographs of PK-96-02, 89.6 m; upper photo in plain light, and lower photo with crossed nicols. Unidentified fibrous silicate, seemingly abundant in plain light, but lower photo shows that the fibres occur sparingly in a matrix of quartz. High-birefringence mineral at lower right is carbonate. Width of field is 2.0 mm.

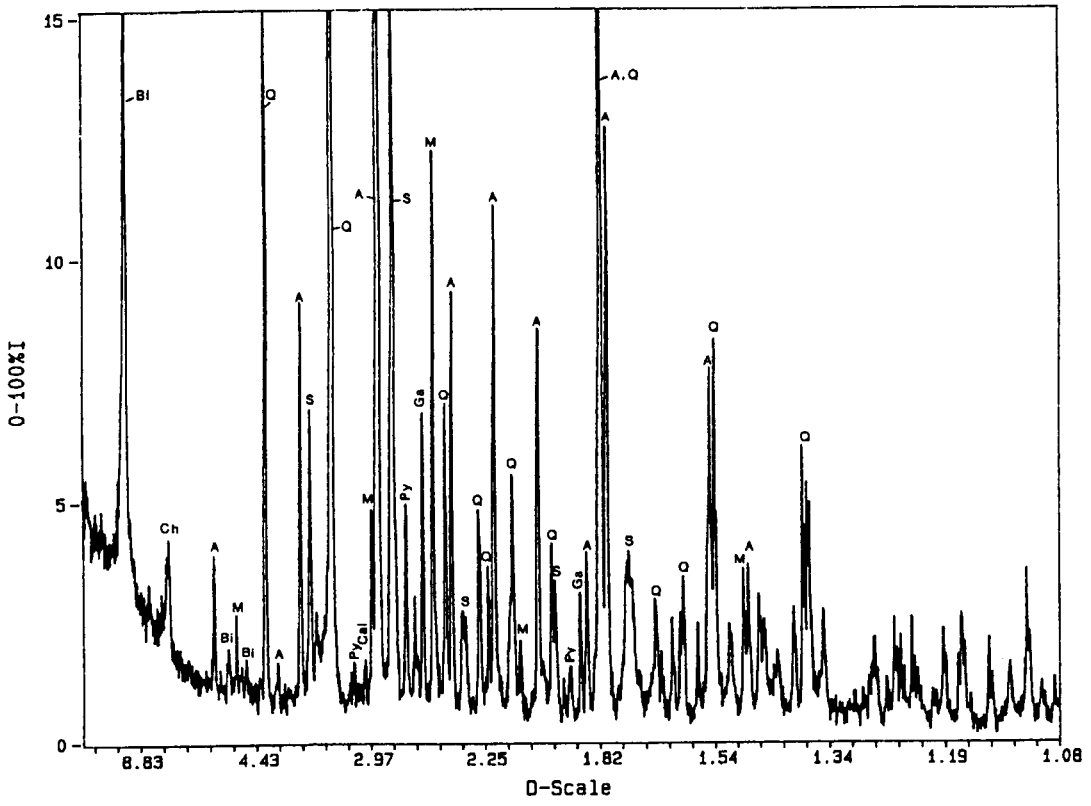

Figure 5. X-ray diffractogram of bulk sample of PK-96-02, 89.6 m. Labeled peaks are Bi biotite, Ch chlorite, A ankerite, M magnetite, Q quartz, S siderite, Py pyrite, Cal calcite, Ga garnet.

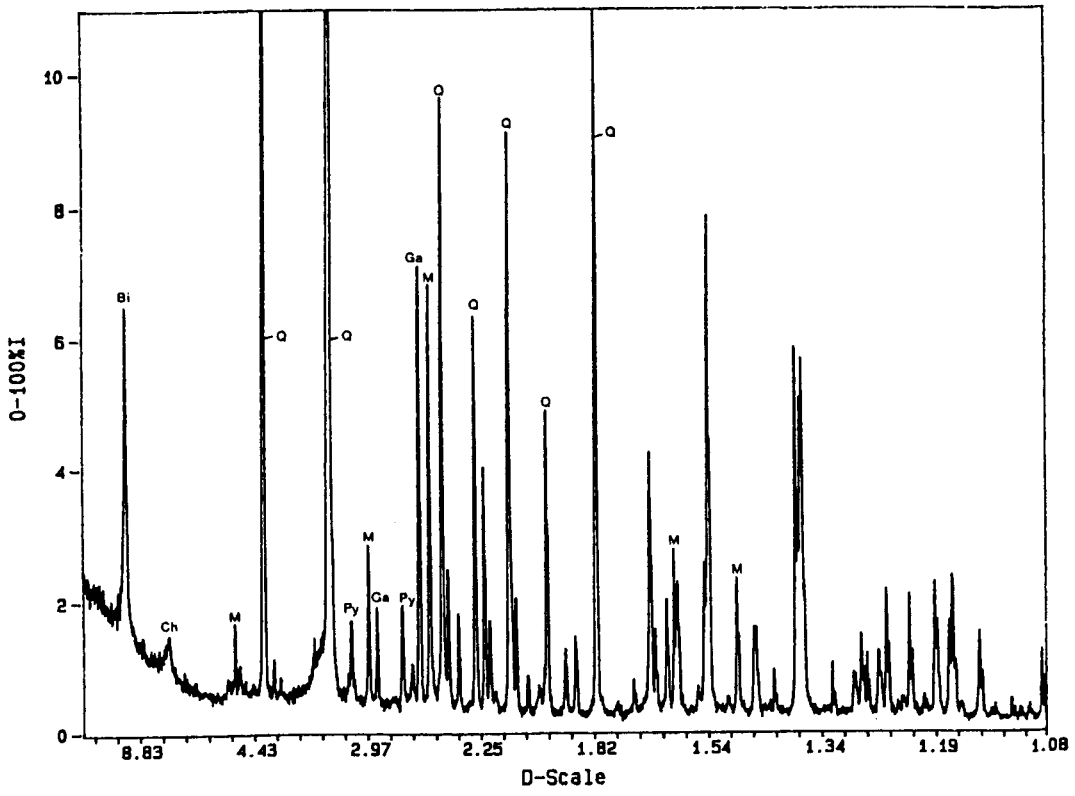

Figure 6. X-ray diffractogram of PK-96-02, 89.6 m, after treatment with HCl, which has resulted in dissolution of the carbonate minerals. Peak identifications are as in Figure 5.

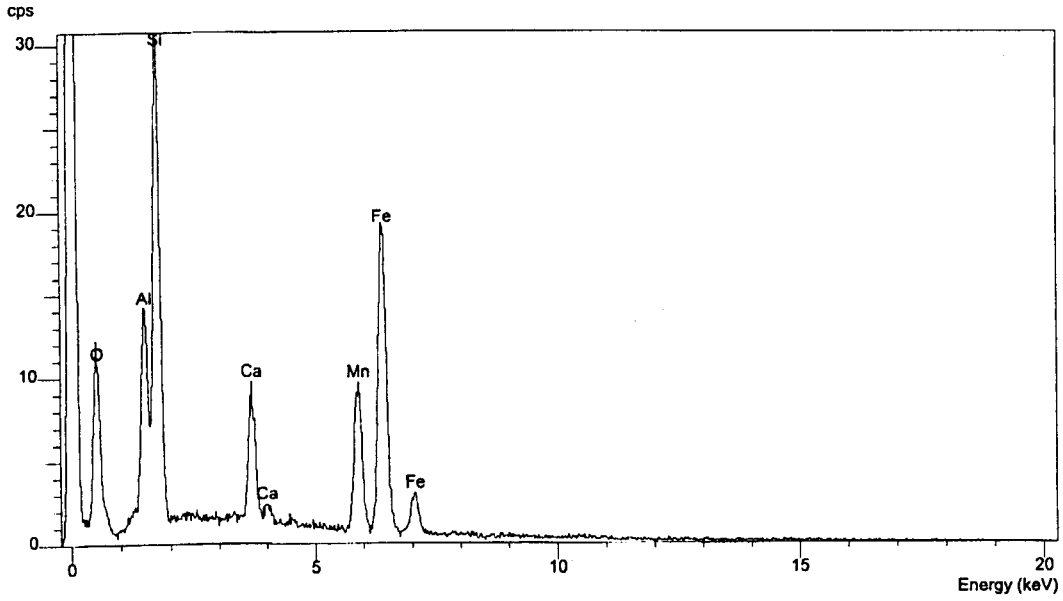

Figure 7. Energy-dispersion spectrum of garnet in PK-96-02, 89.6 m, showing that the mineral has a Fe - Ca - Mn - Al composition and is devoid of Mg.

HT96PL4

A weathered, tabular hand specimen, approximately 2 × 5 × 10 cm, was received for petrographic examination. The rock is dark grey, magnetic, and although poorly foliated, has been split along micaceous surfaces that expose needles and splayed, fibrous aggregates , up to 2.5 cm long, of a black, hard mineral that was tentatively identified as amphibole. The orientation of the needles is distinct in that their elongation axis is parallel to the foliation. The polished thin-section sample was cut normal to the foliation.

Reflected-light microscopy showed that the magnetic property of the rock results form the presence disseminated, equant grains of euhedral to anhedral magnetite, and equally abundant, aligned laths of ilmenite (Fig. 8). Many of the ilmenite laths contain a fine-grained stipple of hematite, indicating co-crystallization rather than replacement. The only sulfide area in the section is about 2 × 4 mm, wherein an irregular, bifurcating veinlet of pyrite is present.

The megascopically conspicuous, black, fibrous mineral is seen in transmitted light to be slightly zoned, blue tourmaline (Fig. 9). Mineralogical layering of the rock is evident in that one portion of the section consists largely of mica, whereas the other portion contains feldspar as the most abundant mineral (Fig. 11). The feldspar is relatively coarse-grained, occurring in anhedral grains to a maximum of 4.5 mm in diameter. The grains typically have irregular margins and are slightly zoned (Fig. 10). Polysynthetic twinning on a fine-grained scale can be seen in some grains, but is generally poorly developed. Nevertheless, all of the grains appear to be plagioclase rather than K-feldspar, and the composition is more calcic rather than that of albite (Fig. 12).

Disseminated within the feldspar-rich zone are abundant laths of brown biotite, euhedral to subhedral epidote, sparse laths of chlorite that are mainly pseudomorphous after biotite, subhedral grains of apatite that average ~300 μm across, and the various other minerals mentioned previously (*e.g.*, opaque minerals, tourmaline). The rock is reported (P. Lhotka, oral communication) to be rich in Zr. No pleochroic haloes are present in mica, but two grains of possible zircon, not sharply outlined, occur at the cores of epidote grains.

The mica-rich zone in this section is distinct because, aside from the preponderance of mica, it is relatively poor in feldspar and, unlike the feldspar-rich zone, it contains both biotite *and* muscovite in abundance (Fig. 13). The approximate mode from the thin section is:

plagioclase	35%	ilmenite	2
biotite	30	magnetite	2
muscovite	10	chlorite	3
tourmaline	9	apatite	1
epidote	7	others	<1

The chemical composition of the rock, as indicated by the mineralogy, is somewhat peculiar. The relatively high Ti content, the presence of calcic plagioclase, absence of quartz, and the indications of compositional and mineralogical layering suggest that the rock was originally a basic tuff. The anomalously high B content, as reflected in the presence of abundant tourmaline, is a good indication that the tuff was modified by a hydrothermal component prior to metamorphic recrystallization.

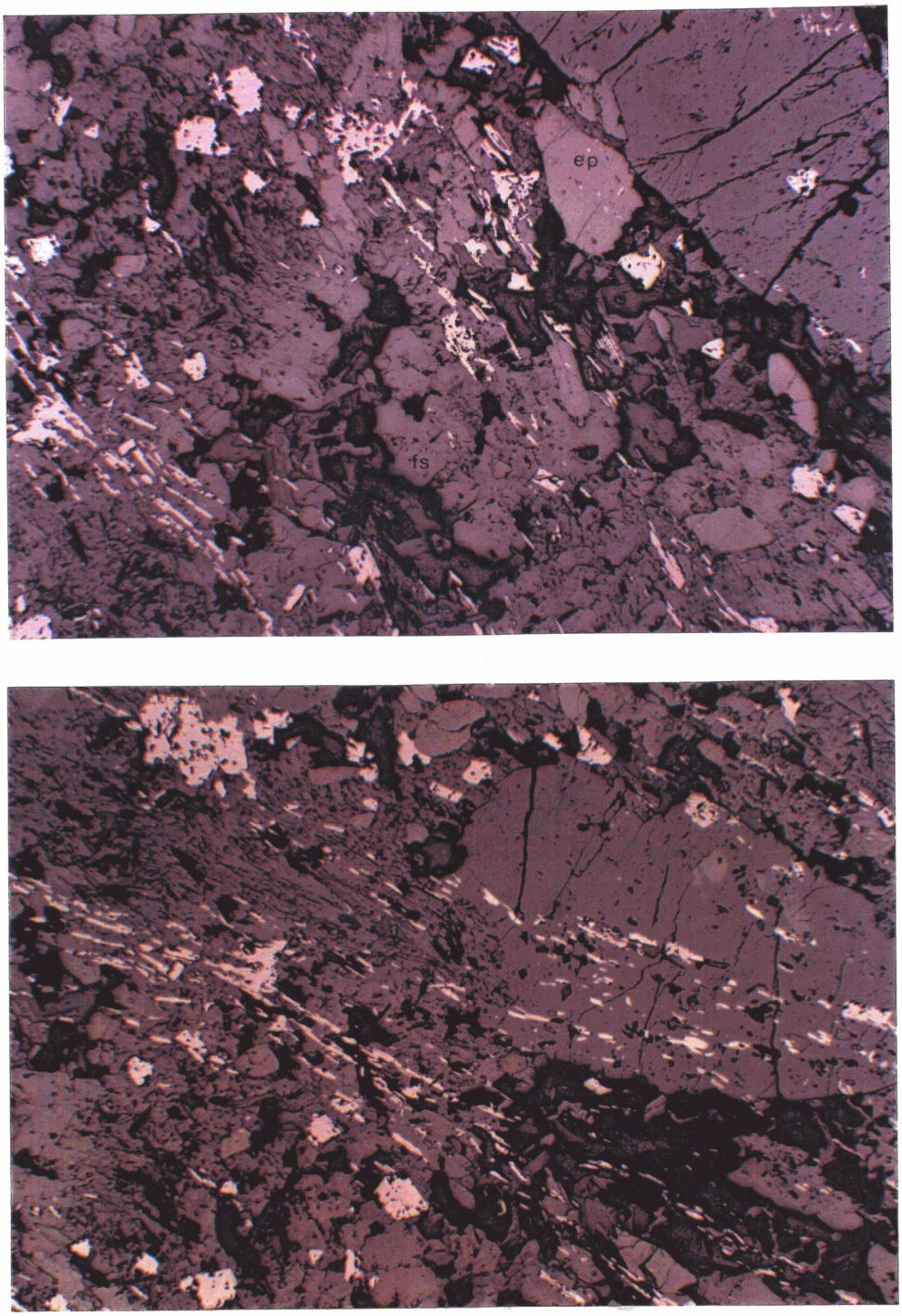

Figure 8. Reflected-light photographs of HT96PL4; width of fields is 7.8 mm. Upper photo shows well-aligned laths of ilmenite (white) and more equant grains of magnetite. The matrix consists largely of coarse grains of plagioclase (fs) and finer interstitial biotite (dark, higher relief). Grain at upper right, labeled ep, is epidote, and above it is a much larger grain of tourmaline that fills the upper right corner. Lower photo shows that the aligned ilmenite laths also pass through tourmaline. Field of view is 7.8 mm.

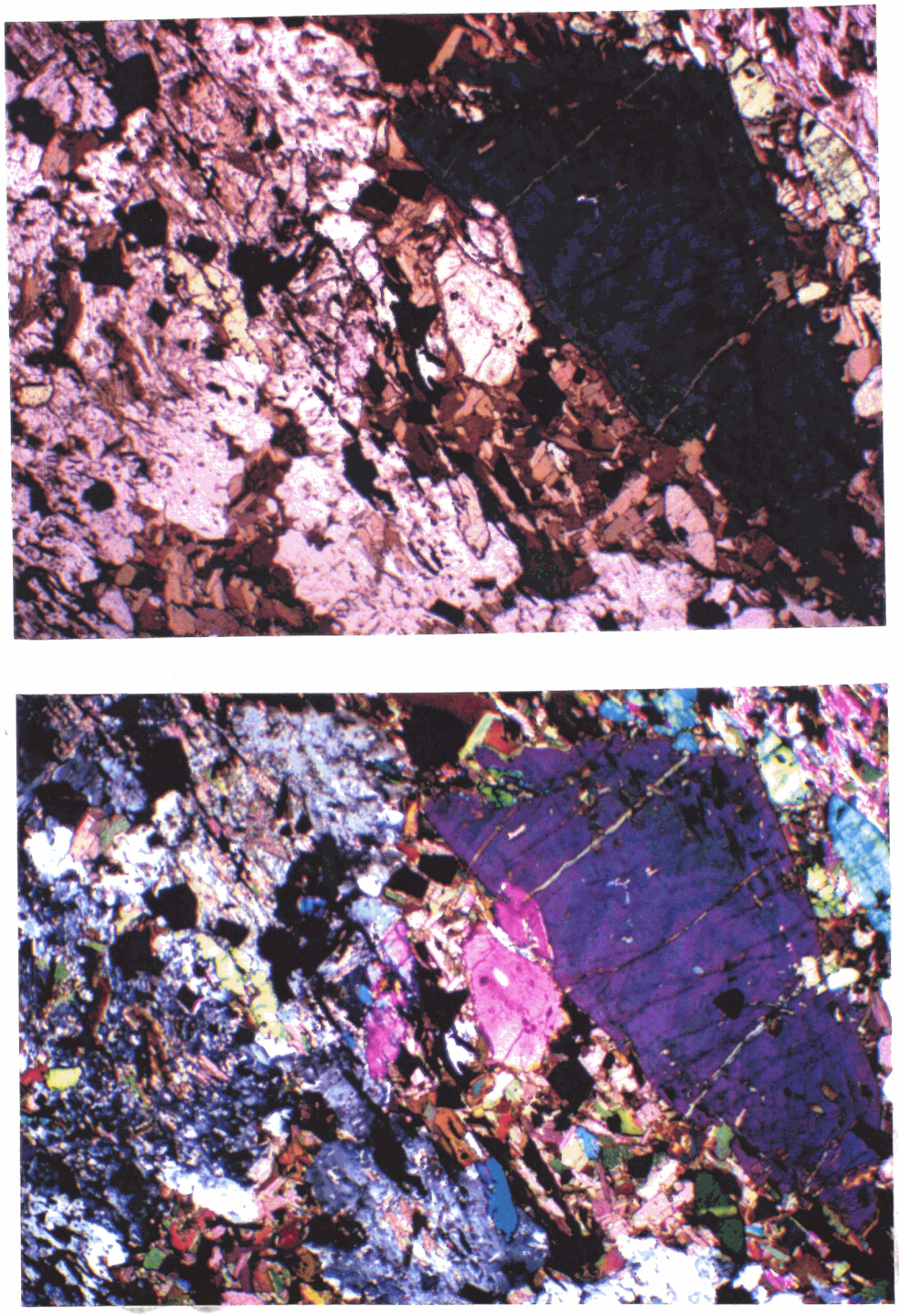

Figure 9. Transmitted-light photographs of HT96PL4; width of fields is 7.8 mm. Upper photo in plain light is approximately the same area shown in the upper photo of Figure 8. Large, blue tourmaline crystal is at the right, and adjoining it are epidote and brown biotite; left side is mainly plagioclase. Lower photo is same area, with nicols crossed.

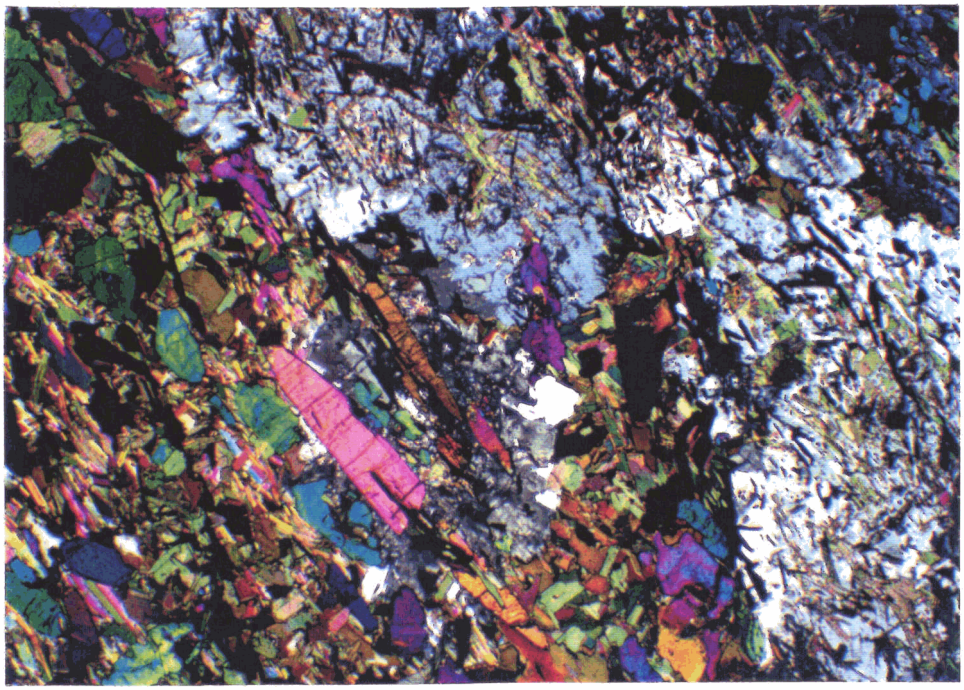

Figure 10. HT96PL4 in transmitted light, crossed nicols, width of field 7.8 mm. Left side shows mica-rich layer (with numerous well-formed grains of epidote, some of which are prismatic); right side shows feldspar-rich layer consisting predominantly of irregular, large grains of plagioclase.

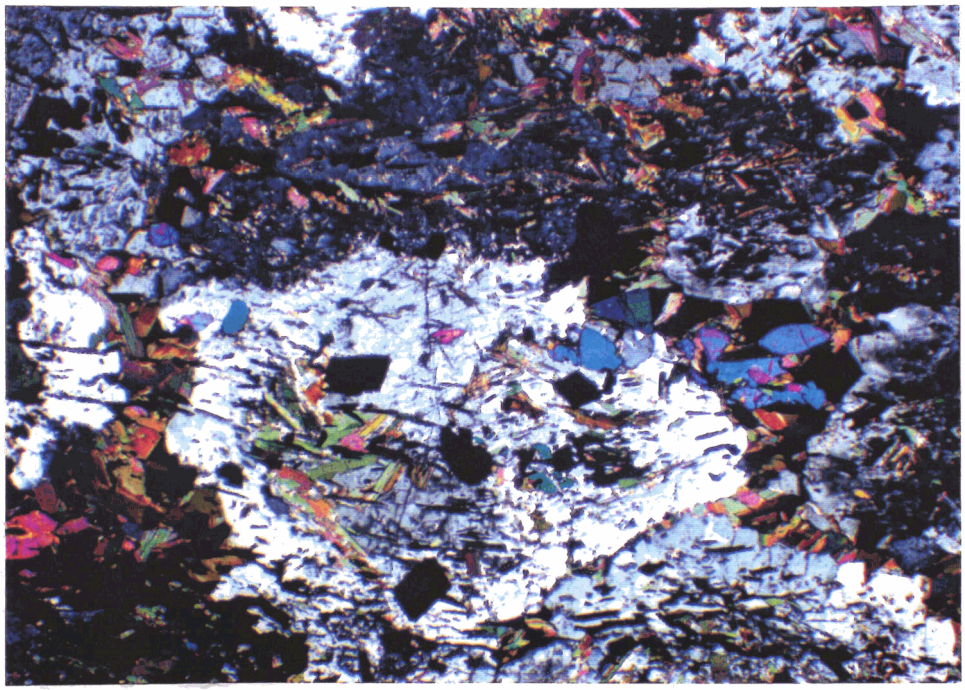

Figure 11. HT96PL4 in transmitted light, crossed nicols, showing slightly zoned, large plagioclase grains in a feldspar-rich layer. Disseminated and interstitial laths are biotite, and disseminated blue-birefringence grains are epidote. Width of field is 7.8 mm.

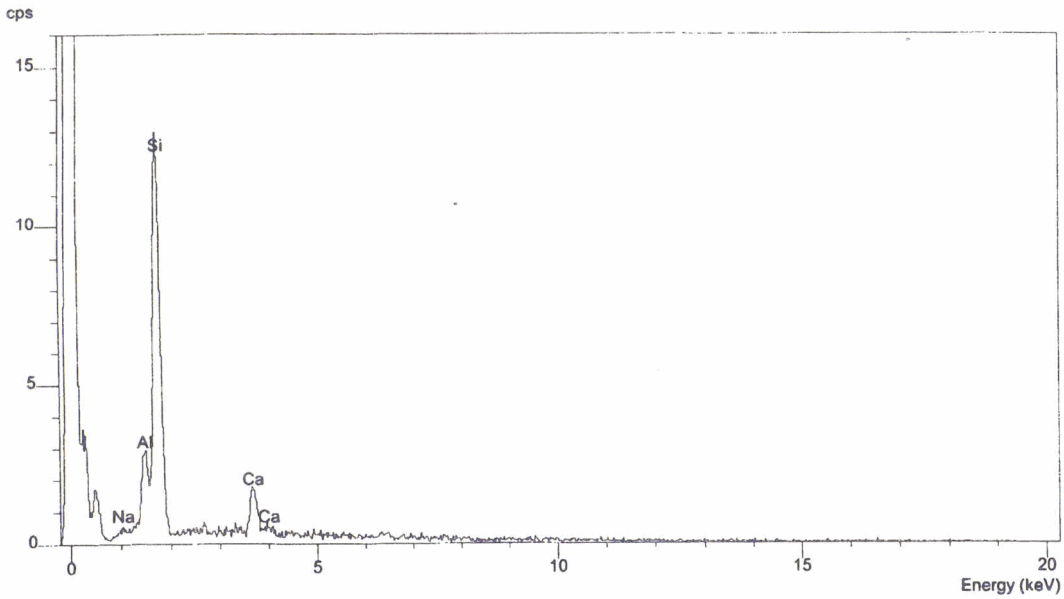

Figure 12. Energy-dispersion spectrum of plagioclase rim in HT96PL4. Although not particularly sensitive to Na, the spectrum nevertheless illustrates the calcic nature of the plagioclase.

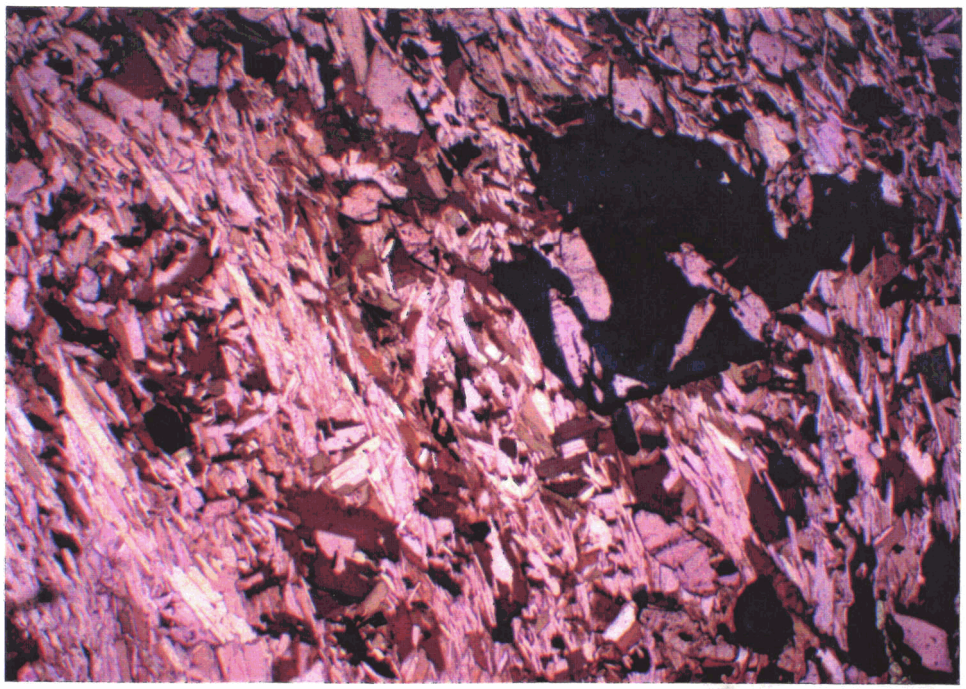

Figure 13. HT96PL4 in plain transmitted light, width of field 7.8 mm. Large, irregular, almost opaque grain at upper right is tourmaline within the mica-rich layer. Colorless laths are muscovite, and brown grains are biotite. The interstitial-like habit of biotite is in contrast to that of muscovite, suggesting that each of the two micas differs in predominant orientation.

APPENDIX V

GPS DATA

Hat Trick 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

			UTM Coordinates				
	Hole No.	MSL	Northing	Easting	Data Quality	Base Station	Date
	HT96-01	1703	6784846	412504	Standard	W	03-Jul-96
	HT96-02	1703	6784846	412504	Standard	W	03-Jul-96
	HT96-01	1707	6784846	412505	Standard	W	31-Jul-96
	HT96-02	1707	6784846	412505	Standard	W	31-Jul-96
	HT96-03	1816	6784983	412329	Standard	W	03-Jul-96
	HT96-04	1821	6785144	412197	Standard	W	31-Jul-96
	HT96-05	1772	6785055	412379	Standard	W	05-Aug-96

B. Grid Station Points

	Grid Coordinates		UTM Coordinates				
Claim	Northing	Easting	Northing	Easting	Data Quality	Base Station	Date
Hat Trick	11100	9500	6784040	412530	Uncorrected	-	16-Jun-96
	11100	10000	6784282	412929	Uncorrected	-	16-Jun-96
	11300	10000	6784561	412941	Poor	W	29-Jun-96
	11700	8800	6784239	411596	Standard	W	25-Jun-96
	11700	9500	6784542	412226	Standard	DL	01-Jul-96
	11700	9800	6784666	412486	Standard	W	26-Jun-96
	12000	10000	6785080	412480	Uncorrected	-	03-Jul-96
(OLD GRID)	12100	10000	6785163	412425	Uncorrected	-	03-Jul-96
	12300	8100	6784448	410632	Standard	W	25-Jun-96
	12300	8800	6784744	411267	Poor	W	25-Jun-96
	12500	10000	6785502	412247	Standard	W	17-Jun-96
	12545	9509	6785273	411816	Poor	W	17-Jun-96
	13000	8100	6785061	410290	Standard	W	26-Jul-96
	13000	8750	6785405	410853	Standard	W	26-Jul-96
	13000	8850	6785459	410939	Standard	W	26-Jul-96
	13100	9500	6785756	411538	Standard	W	11-Jul-96
	13350	9500	6785976	411412	Standard	W	11-Jul-96
	13500	8100	6785498	410047	Standard	W	13-Jul-96
	13600	9500	6786191	411284	Standard	W	11-Jul-96
	13700	8100	6785675	409948	Standard	W	25-Jun-96
	13700	8300	6785759	410150	Standard	W	13-Jul-96
	13700	9125	6786107	410896	Standard	W	11-Jul-96
	13800	8450	6785929	410229	Standard	W	13-Jul-96
	13800	8800	6786092	410537	Standard	W	13-Jul-96
	13800	8925	6786161	410633	Standard	W	13-Jul-96
	13800	9250	6786309	410924	Standard	W	11-Jul-96
	13900	9500	6786451	411133	Standard	W	11-Jul-96

C. Expatriate Resources Ltd. Claim Posts

	Claim	Posts 1	Posts 2	UTM Coordinates Northing	Easting	Data Quality	Base Station	Date
1257	Hat Trick	1, 2		-	-	N/S	-	-
1258		3, 4	1, 2	-	-	N/S	-	-
1259		5, 6	3, 4	-	-	N/S	-	-
1260		7, 8	5, 6	-	-	N/S	-	-
1261		9, 10	7, 8	6784246	412256	Standard	W	11-Jul-96
1262		11, 12	9, 10	6784507	413243	Standard	W	11-Jul-96
1263		13, 14	11, 12	6784331	412999	Standard	W	11-Jul-96
1264		15, 16	13, 14	6784770	413713	Standard	W	11-Jul-96
1265		17, 18	15, 16	-	-	N/S	-	-
1266		19, 20	17, 18	6785289	414407	Standard	W	12-Jul-96
1267		21, 22	19, 20	6785414	414742	Standard	W	12-Jul-96
1268		23, 24	21, 22	6785715	415160	Standard	W	12-Jul-96
1269		25, 26	23, 24	6785946	415555	Standard	W	12-Jul-96
1270		-	25, 26	6786134	415939	Uncorrected	-	12-Jul-96
1225	Hat Trick	27, 28	-	6784618	410215	Standard	W	09-Jul-96
1226		29, 30	27, 28	6784803	410560	Standard	W	09-Jul-96
1227		31, 32	29, 30	6784755	410932	Poor	W	09-Jul-96
1228		33, 34	31, 32	6785061	411568	Poor	W	09-Jul-96
1229		35, 36	33, 34	6785482	411658	Standard	W	09-Jul-96
1230		37, 38	35, 36	6785873	411958	Standard	W	09-Jul-96
1231		39, 40	37, 38	6786140	412498	Poor	W	09-Jul-96
1232		41, 42	39, 40	6786331	412802	Standard	W	09-Jul-96
1233		43, 44	41, 42	6786564	413190	Standard	W	09-Jul-96
1234		45, 46	43, 44	6786769	413586	Standard	W	09-Jul-96
1235		47, 48	45, 46	6786900	413967	Standard	W	09-Jul-96
1236		49, 50	47, 48	6787202	414294	Uncorrected	-	09-Jul-96
1237		-	49, 50	6787215	414510	Standard	W	09-Jul-96
1213	Hat Trick	51, 52	-	6786567	411170	Standard	W	06-Jul-96
1214		-	51, 52	6786763	411591	Poor	W	07-Jul-96
1241	Hat Trick	53, 54	-	-	-	N/S	-	-
1242		55, 56	53, 54	6784334	410960	Standard	W	31-Jul-96
1243		-	55, 56	6784567	411349	Standard	W	31-Jul-96
1271	Hat Trick	57, 58	-	-	-	N/S	-	-
1272		59, 60	57, 58	-	-	N/S	-	-
1273		-	59, 60	6783425	412694	Uncorrected	-	10-Jul-96
1214	Hat Trick	61, 62	-	6786763	411591	Poor	W	07-Jul-96
1215		63, 64	61, 62	6786976	412031	Standard	W	07-Jul-96
1216		65, 66	63, 64	-	-	N/S	-	-
1217		-	65, 66	6787428	412798	Poor	W	07-Jul-96
1273	Hat Trick	67, 68	-	6783425	412694	Uncorrected	-	10-Jul-96
1274		69,70	67, 68	6783668	413285	Standard	W	10-Jul-96
1275		71, 72	69,70	6783879	413698	Standard	W	10-Jul-96
1276		73, 74	71, 72	-	-	N/S	-	-
1277		-	73, 74	-	-	N/S	-	-
1213	Hat Trick	75, 76	-	6786567	411170	Standard	W	06-Jul-96
1212		77, 78	75, 76	6786355	410790	Standard	W	06-Jul-96
1211		-	77, 78	6786153	410488	Standard	W	06-Jul-96
1199	Hat Trick	79, 80	-	6788186	412329	Standard	W	06-Jul-96
1198		81,82	79, 80	-	-	N/S	-	-
1197		83, 84	81,82	-	-	N/S	-	-
1196		85, 86	83, 84	6787582	411202	Standard	W	06-Jul-96
1195		87, 88	85, 86	-	-	N/S	-	-
1194		89, 90	87, 88	6787207	410474	Standard	W	06-Jul-96
1193		-	89, 90	6786998	410094	Standard	W	06-Jul-96

	Claim	Posts 1	Posts 2	UTM Coordinates Northing	Easting	Data Quality	Base Station	Date
1181	Hat Trick	91, 92	-	6788856	412067	Standard	W	13-Jul-96
1180		93, 94	91, 92	-	-	N/S	-	-
1179		95, 96	93, 94	6788436	411202	Standard	W	13-Jul-96
1178		97, 98	95, 96	6788317	410835	Standard	W	13-Jul-96
1177		99, 100	97, 98	6788168	410481	Standard	W	13-Jul-96
1176		101, 102	99, 100	6787979	410045	Standard	W	08-Jul-96
1175		-	101, 102	6787785	409624	Uncorrected	-	08-Jul-96
1243	Hat Trick	103, 104	-	6784567	411349	Standard	W	31-Jul-96
1244		105, 106	103, 104	6784779	411715	Standard	W	31-Jul-96
1245		107, 108	105, 106	6784962	412059	Standard	W	12-Jul-96
1246		109, 110	107, 108	6785165	412429	Standard	W	12-Jul-96
1247		111, 112	109, 110	6785386	412824	Standard	W	12-Jul-96
1248		113, 114	111, 112	6785597	413210	Standard	W	12-Jul-96
1249		115, 116	113, 114	6785807	413600	Standard	W	12-Jul-96
1250		117, 118	115, 116	6786039	413986	Standard	W	12-Jul-96
1251		119, 120	117, 118	6786444	414086	Poor	W	12-Jul-96
1252		121, 122	119, 120	6786513	414736	Standard	W	12-Jul-96
1253		-	121, 122	6786727	415027	Standard	W	12-Jul-96
1254	Hat Trick	123, 124	-	6782998	409324	Standard	W	31-Jul-96
1255		125, 126	123, 124	6783205	409708	Standard	W	31-Jul-96
1256		127, 128	125, 126	6783419	410091	Standard	W	31-Jul-96
1257		-	127, 128	6783616	410421	Standard	W	31-Jul-96
1238	Hat Trick	129, 130	-	6783459	409266	Standard	W	31-Jul-96
1239		131, 132	129, 130	6783712	409734	Standard	W	31-Jul-96
1240		133, 134	131, 132	6783906	410126	Standard	W	31-Jul-96
1241		-	133, 134	-	-	N/S	-	-
1221	Hat Trick	135, 136	-	-	-	N/S	-	-
1222		137, 138	135, 136	-	-	N/S	-	-
1223		139, 140	137, 138	-	-	N/S	-	-
1224		141, 142	139, 140	-	-	N/S	-	-
1225		-	141, 142	-	-	N/S	-	-
1203	Hat Trick	143, 144	-	-	-	N/S	-	-
1204		145, 146	143, 144	6784753	407855	Standard	W	05-Jul-96
1205		147, 148	145, 146	6785031	408263	Standard	W	05-Jul-96
1206		149, 150	147, 148	6785244	408618	Standard	W	05-Jul-96
1207		151, 152	149, 150	6785437	408986	Standard	W	05-Jul-96
1208		153, 154	151, 152	-	-	N/S	-	-
1209		155, 156	153, 154	6785809	409766	Standard	W	05-Jul-96
1210		157, 158	155, 156	6785982	410169	Standard	W	05-Jul-96
1211		-	157, 158	6786153	410488	Standard	W	06-Jul-96
1185	Hat Trick	159, 160	-	6785372	407136	Standard	W	22-Jun-96
1186		161, 162	159, 160	6785591	407495	Standard	W	22-Jun-96
1187		163, 164	161, 162	6785795	407810	Standard	W	22-Jun-96
1188		165, 166	163, 164	6786008	408274	Poor	W	22-Jun-96
1189		167, 168	165, 166	6786242	408645	Standard	W	22-Jun-96
1190		169, 170	167, 168	6786564	409080	Poor	W	22-Jun-96
1191		171, 172	169, 170	6786681	409350	Poor	W	22-Jun-96
1192		173, 174	171, 172	6786811	409710	Standard	W	06-Jul-96
1193		-	173, 174	6786998	410094	Standard	W	06-Jul-96
1167	Hat Trick	175, 176	-	6785879	406553	Standard	W	08-Jul-96
1168		177, 178	175, 176	6786127	406934	Standard	W	08-Jul-96
1169		179, 180	177, 178	6786207	407270	Poor	W	08-Jul-96
1170		181, 182	179, 180	6786581	407729	Standard	W	08-Jul-96
1171		183, 184	181, 182	6786795	408167	Standard	W	08-Jul-96
1172		185, 186	183, 184	6787052	408528	Standard	W	08-Jul-96
1173		187, 188	185, 186	6787317	408906	Standard	W	08-Jul-96
1174		189, 190	187, 188	6787467	409305	Poor	W	08-Jul-96
1175		-	189, 190	6787785	409624	Uncorrected	-	08-Jul-96
1149	Hat Trick	191, 192	-	6786715	406170	Standard	W	07-Jul-96
1150		193, 194	191, 192	6786974	406543	Standard	W	07-Jul-96
1151		195, 196	193, 194	6787216	406898	Poor	W	07-Jul-96

	Claim	Posts 1	Posts 2	UTM Coordinates Northing	Easting	Data Quality	Base Station	Date
1152		197, 198	195, 196	-	-	N/S	-	-
1153		199, 200	197, 198	6787674	407637	Standard	W	07-Jul-96
1154		201, 202	199, 200	-	-	N/S	-	-
1155		203, 204	201, 202	6788126	408401	Standard	W	07-Jul-96
1156		205, 206	203, 204	6788350	408788	Standard	W	07-Jul-96
1157		207, 208	205, 206	6788546	409189	Poor	W	24-Jul-96
1158		209, 210	207, 208	6788744	409573	Poor	W	24-Jul-96
1159		211, 212	209, 210	6788958	409971	Poor	RR	24-Jul-96
1160		213, 214	211, 212	6789158	410361	Poor	RR	24-Jul-96
1161		215, 216	213, 214	6789376	410766	Poor	RR	24-Jul-96
1162		217, 218	215, 216	6789586	411167	Poor	RR	24-Jul-96
1163		-	217, 218	6789814	411573	Poor	RR	24-Jul-96
1131	Hat Trick	219, 220	-	6787395	405818	Standard	W	15-Jun-96
1132		221, 222	219, 220	6787670	406199	Poor	W	15-Jun-96
1133		223, 224	221, 222	6787867	406605	Standard	W	15-Jun-96
1134		225, 226	223, 224	6788081	407000	Standard	W	15-Jun-96
1135		227, 228	225, 226	6788290	407358	Poor	W	15-Jun-96
1136		229, 230	227, 228	6788556	407692	Standard	W	17-Jun-96
1137		231, 232	229, 230	6788768	408093	Uncorrected	-	17-Jun-96
1138		233, 234	231, 232	-	-	N/S	-	-
1139		235, 236	233, 234	6789214	408843	Uncorrected	-	17-Jun-96
1140		237, 238	235, 236	6789426	409247	Standard	W	21-Jun-96
1141		239, 240	237, 238	6789670	409609	Standard	W	21-Jun-96
1142		241, 242	239, 240	6789892	410008	Standard	W	21-Jun-96
1143		243, 244	241, 242	6790110	410354	Standard	W	21-Jun-96
1144		245, 246	243, 244	6790380	410762	Standard	W	21-Jun-96
1145		-	245, 246	6790583	411135	Standard	W	21-Jun-96
1112	Hat Trick	247, 248	-	6788288	405692	Standard	W	25-Jul-96
1113		249, 250	247, 248	6788506	405963	Standard	W	25-Jul-96
1114		251, 252	249, 250	6788699	406270	Standard	W	25-Jul-96
1115		253, 254	251, 252	6788909	406609	Poor	RR	24-Jul-96
1115a		255, 256	253, 254	-	-	N/S	-	-
1116		257, 258	255, 256	-	-	N/S	-	-
1117		259, 260	257, 258	6789552	407717	Poor	RR	24-Jul-96
1118		261, 262	259, 260	6789761	408070	Poor	RR	24-Jul-96
1119		263, 264	261, 262	6789979	408444	Poor	RR	24-Jul-96
1120		265, 266	263, 264	6790206	408819	Poor	RR	24-Jul-96
1121		267, 268	265, 266	6790456	409189	Poor	RR	24-Jul-96
1122		269, 270	267, 268	-	-	N/S	-	-
1123		271, 272	269, 270	6790888	409939	Standard	W	26-Jul-96
1124		273, 274	271, 272	6791091	410302	Standard	W	26-Jul-96
1125		-	273, 274	6791309	410679	Standard	W	26-Jul-96
1092	Hat Trick	275, 276	-	6789116	404960	Standard	W	25-Jul-96
1093		277, 278	275, 276	-	-	N/S	-	-
1094		279, 280	277, 278	6789467	405582	Standard	W	25-Jul-96
1095		281, 282	279, 280	6789681	406009	Standard	W	25-Jul-96
1096		283, 284	281, 282	6789920	406402	Standard	W	25-Jul-96
1097		285, 286	283, 284	6790140	406784	Standard	W	25-Jul-96
1098		287, 288	285, 286	6790334	407108	Standard	W	25-Jul-96
1099		289, 290	287, 288	6790530	407496	Standard	W	25-Jul-96
1100		291, 292	289, 290	6790775	407895	Standard	W	25-Jul-96
1101		293, 294	291, 292	6790981	408299	Standard	W	25-Jul-96
1102		295, 296	293, 294	6791213	408681	Standard	W	26-Jul-96
1103		297, 298	295, 296	6791399	409097	Standard	W	26-Jul-96
1104		299, 300	297, 298	-	-	N/S	-	-
1105		301, 302	299, 300	-	-	N/S	-	-
1106		-	301, 302	-	-	N/S	-	-
1084	Hat Trick	303,304	-	6789788	404500	Standard	W	25-Jul-96
1085		305, 306	303,304	6789994	404892	Standard	W	25-Jul-96
1086		307, 308	305, 306	6790241	405239	Standard	W	25-Jul-96
1087		309, 310	307, 308	6790455	405608	Standard	W	25-Jul-96
1088		311, 312	309, 310	-	-	N/S	-	-
1089		313, 314	311, 312	6790892	406332	Standard	W	25-Jul-96
1090		315, 316	313, 314	6791108	406699	Standard	W	25-Jul-96
1091		-	315, 316	6791324	407083	Standard	W	25-Jul-96

	Claim	Posts 1	Posts 2	UTM Coordinates Northing	Easting	Data Quality	Base Station	Date
1277	Hat Trick	317, 318	-	-	-	N/S	-	-
1278		319, 320	317, 318	6784497	414861	Standard	W	11-Jul-96
1279		-	319, 320	6784689	415247	Standard	W	11-Jul-96
1284	Hat Trick	321, 322	-	6782901	413814	Standard	W	10-Jul-96
1285		323, 324	321, 322	6783134	414190	Standard	W	10-Jul-96
1286		325, 326	323, 324	6783340	414566	Standard	W	10-Jul-96
1287		327, 328	325, 326	6783534	414889	Standard	W	10-Jul-96
1288		329, 330	327, 328	6783772	415292	Standard	W	10-Jul-96
1289		-	329, 330	-	-	N/S	-	-
1217	Hat Trick	331, 332	-	6787428	412798	Poor	W	07-Jul-96
1218		333, 334	331, 332	6787591	413176	Poor	W	07-Jul-96
1219		335, 336	333, 334	6787750	413453	Standard	W	07-Jul-96
1220		-	335, 336	6787992	413872	Uncorrected	-	07-Jul-96
1199	Hat Trick	337, 338	-	6788186	412329	Standard	W	06-Jul-96
1200		339, 340	337, 338	6788370	412723	Uncorrected		06-Jul-96
1201		341, 342	339, 340	6788556	413079	Poor	W	06-Jul-96
1202		-	341, 342	6788785	413490	Standard	W	06-Jul-96
1181	Hat Trick	343, 344	-	6788856	412067	Standard	W	13-Jul-96
1182		345, 346	343, 344	6789054	412445	Standard	W	13-Jul-96
1183		347, 348	345, 346	6789243	412827	Standard	W	13-Jul-96
1184		-	347, 348	-	-	N/S	-	-
1163	Hat Trick	349, 350	-	6789814	411573	Poor	RR	24-Jul-96
1164		351, 352	349, 350	6789998	411917	Poor	RR	24-Jul-96
1165		353, 354	351, 352	6790208	412291	Poor	RR	24-Jul-96
1166		-	353, 354	6790412	412701	Poor	RR	24-Jul-96
1145	Hat Trick	355, 356	-	6790583	411135	Standard	W	21-Jun-96
1146		357, 358	355, 356	6790773	411514	Poor	W	21-Jun-96
1147		359, 360	357, 358	-	-	N/S	-	-
1148		-	359, 360	-	-	N/S	-	-
1125	Hat Trick	361, 362	-	-	-	N/S	-	-
1126		363, 364	361, 362	6791495	411081	Standard	W	26-Jul-96
1127		365, 366	363, 364	6791698	411489	Standard	W	26-Jul-96
1128		-	365, 366	6791908	411903	Standard	W	26-Jul-96
1106	Hat Trick	367, 368	-	-	-	N/S	-	-
1107		369, 370	367, 368	-	-	N/S	-	-
1108		371, 372	369, 370	6792353	411017	Standard	W	26-Jul-96
1109		-	371, 372	6792533	411450	Standard	W	26-Jul-96
1112	Hat Trick	373, 374	-	-	-	N/S	-	-
1111		375, 376	373, 374	-	-	N/S	-	-
1110		-	375, 376	-	-	N/S	-	-
1279	Hat Trick	377, 378	-	6784689	415247	Standard	W	11-Jul-96
1280		379, 380	377, 378	6784938	415613	Standard	W	11-Jul-96
1281		381, 382	379, 380	6785209	415987	Uncorrected		11-Jul-96
1282		383, 384	381, 382	6785424	416326	Standard	W	11-Jul-96
1283		-	383, 384	6785469	416378	Standard	W	11-Jul-96
1131	Hat Trick	385, 386	-	6787052	405586	Standard	W	15-Jun-96
1130		387, 388	385, 386	6786799	405180	Poor	W	15-Jun-96
1129		-	387, 388	-	-	N/S	-	-
		389, 390	-	-	-	N/S	-	-
		391, 392	389, 390	-	-	N/S	-	-
		393, 394	391, 392	-	-	N/S	-	-
		395, 396	393, 394	-	-	N/S	-	-
		-	395, 396	-	-	N/S	-	-

D. Geological Stations

Claim	Posts 1	Posts 2	UTM Coordinates Northing	Easting	Data Quality	Base Station	Date

Claim	Station	UTM Coordinates Northing	Easting	Data Quality	Base Station	Date
Hat Trick	PAD C	6785727	411446	Standard	W	03-jul-96
	PAD D	6785624	411508	Standard	W	03-jul-96
	PAD F	6784943	412563	Standard	W	03-jul-96
	PAD H	6785283	412065	Standard	W	11-Jul-96
	PAD I	6785451	411893	Standard	W	11-Jul-96
	96 88	6784811	412360	Standard	W	26-Jun-96
	96 105	6784984	412237	Standard	W	26-Jun-96
	96 108	6785492	411738	Poor	W	26-Jun-96
	96 118	6784529	412770	Standard	W	29-Jun-96
	96 121	6784581	412835	Standard	W	29-Jun-96
	96 122	6784577	412890	Poor	W	29-Jun-96
	96 123	6784561	412941	Poor	W	29-Jun-96
	96 124	6784542	413018	Standard	W	29-Jun-96
	96 127	6784720	412753	Poor	W	29-Jun-96
	96 129	6784516	413236	Standard	DL	01-Jul-96
	96 130	6784527	413534	Standard	DL	01-Jul-96
	96 131	6784538	413594	Standard	DL	01-Jul-96
	96 132	6784633	413697	Standard	DL	01-Jul-96
	96 133	6784781	413710	Standard	DL	01-Jul-96
	96 134	6784733	413648	Standard	DL	01-Jul-96
	96 135	6784648	413551	Standard	DL	01-Jul-96
	96 136	6784664	413520	Poor	DL	01-Jul-96
	96 137	6784658	413498	Poor	DL	01-Jul-96
	96 138	6784694	413378	Standard	DL	01-Jul-96
	96 139	6784682	413337	Standard	DL	01-Jul-96
	96 140	6785492	411800	Poor	W	03-Jul-96
	96 173	6785976	411412	Standard	W	11-Jul-96
	96 174	6786451	411133	Standard	W	11-Jul-96
	96 175	6786423	410989	Standard	W	11-Jul-96
	96 176	6786309	410924	Standard	W	11-Jul-96
	96 178	6786107	410896	Standard	W	11-Jul-96
	96 184	6785929	410229	Standard	W	13-Jul-96
	96 185	6786085	410323	Standard	W	13-Jul-96
	96 186	6786088	410384	Standard	W	13-Jul-96
	96 187	6786084	410431	Standard	W	13-Jul-96
	96 188	6786092	410537	Standard	W	13-Jul-96
	96 189	6786161	410633	Standard	W	13-Jul-96
	96 190	6786747	411155	Standard	W	13-Jul-96
	96 191	6786620	411159	Standard	W	13-Jul-96
	96 192	6786299	411647	Standard	W	13-Jul-96
	96 193	6786378	411694	Standard	W	13-Jul-96
	96 193a	6789532	411060	Uncorrected	-	24-Jul-96
	96 195	6789245	411286	Uncorrected	-	24-Jul-96
	96 196	6789109	411202	Uncorrected	-	24-Jul-96
	96 198	6788482	411111	Uncorrected	-	24-Jul-96
	96 199	6787474	411096	Uncorrected	-	24-Jul-96
	96 204	6786623	412022	Uncorrected	-	24-Jul-96
	96 208	6787952	412112	Uncorrected	-	24-Jul-96
	96 209	6785678	412329	Standard	W	26-Jul-96
	96 210	6785773	412461	Standard	W	26-Jul-96
	96 211	6786189	412656	Uncorrected	-	26-Jul-96
	96 212	6786078	411903	Standard	W	26-Jul-96
	96 214	6785459	410939	Standard	W	26-Jul-96
	96 215	6785405	410853	Standard	W	26-Jul-96
	96 216	6785344	410748	Standard	W	26-Jul-96

Claim	Posts 1	Posts 2	UTM Coordinates Northing	Easting	Data Quality	Base Station	Date
	96 217		6784669	411189	Standard	W	26-Jul-96
	96 228		6784696	411984	Standard	W	31-Jul-96
	96 229		6784610	412025	Standard	W	31-Jul-96
	96 232		6784081	412223	Standard	W	31-Jul-96
	96 233		6783941	412197	Standard	W	31-Jul-96
	96 236		6783567	411694	Standard	W	31-Jul-96
	96 313		6784494	412457	Poor	W	25-Aug-96
	96 314		6784773	412074	Poor	W	25-Aug-96
	96 315		6784269	411608	Standard	W	25-Aug-96
	96 316		6784102	411718	Standard	W	25-Aug-96
	96 317		6784122	411424	Poor	W	25-Aug-96
	96 318		6784051	410846	Standard	W	25-Aug-96
	96 319		6784005	410828	Standard	W	25-Aug-96
	96 320		6783914	410714	Standard	W	25-Aug-96
	T38041		6785659	411337	Standard	W	26-Jun-96
	T38048		6785496	411700	Standard	W	11-Jul-96
	T38051		6785384	411821	Standard	W	11-Jul-96
	T38052		6785339	411873	Standard	W	11-Jul-96

APPENDIX VI

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

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

Project : HAT TRICK
Comments:

Page Number : 1-A
Total Pages : 1
Certificate Date: 06-OCT-96
Invoice No. : I9633952
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9633952

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 04590	201	202	< 0.2	1.95	10	120	0.5	2	0.28	< 0.5	10	37	29	3.09	< 10	1	0.19	10	1.15	295	< 1
BB 04591	201	202	< 0.2	1.47	< 2	130	0.5	< 2	0.14	< 0.5	7	15	16	2.52	< 10	< 1	0.47	10	0.85	450	< 1
BB 04592	201	202	< 0.2	1.76	8	120	0.5	< 2	0.09	< 0.5	7	22	23	2.79	< 10	< 1	0.19	10	0.76	375	1
BB 04593	201	202	< 0.2	1.69	6	130	0.5	< 2	0.11	< 0.5	10	19	24	2.58	< 10	< 1	0.34	10	0.85	700	< 1
BB 04594	201	202	< 0.2	2.01	6	160	0.5	< 2	0.26	< 0.5	10	28	42	2.92	< 10	< 1	0.35	10	1.24	355	< 1
BB 04595	201	202	< 0.2	2.42	12	150	1.5	< 2	0.26	0.5	18	24	66	3.73	< 10	1	0.49	20	1.63	570	< 1
BB 04596	201	202	< 0.2	2.17	12	110	1.5	< 2	0.19	0.5	10	27	44	3.44	< 10	< 1	0.24	30	1.23	380	1
BB 04597	201	202	< 0.2	2.20	14	130	1.0	< 2	0.21	< 0.5	10	34	36	3.10	< 10	1	0.25	20	1.24	305	< 1
BB 04598	201	202	< 0.2	2.70	4	100	0.5	2	0.39	< 0.5	16	63	28	3.43	< 10	< 1	0.19	< 10	1.94	370	< 1
BB 04599	201	202	< 0.2	2.40	12	130	1.0	< 2	0.43	< 0.5	13	30	23	3.89	< 10	< 1	0.27	20	1.57	400	< 1
BB 04600	201	202	1.8	1.62	16	320	< 0.5	2	0.13	< 0.5	6	21	36	3.10	< 10	1	0.31	20	1.03	225	8
BB 04601	201	202	< 0.2	2.25	12	180	0.5	< 2	0.31	< 0.5	11	32	43	3.33	< 10	< 1	0.39	20	1.50	380	< 1
BB 04602	201	202	< 0.2	2.40	8	170	0.5	< 2	0.11	< 0.5	8	34	34	3.45	< 10	< 1	0.20	10	1.15	410	1
BB 04603	201	202	< 0.2	2.28	10	140	1.0	< 2	0.26	0.5	11	35	38	3.15	< 10	< 1	0.31	20	1.30	440	1
BB 04604	201	202	< 0.2	2.26	20	150	0.5	< 2	0.19	0.5	11	37	43	3.22	< 10	< 1	0.30	10	1.32	375	1
BB 04605	201	202	< 0.2	2.51	8	150	0.5	< 2	0.15	< 0.5	12	51	27	3.51	< 10	< 1	0.34	10	1.28	525	< 1
BB 04606	201	202	< 0.2	2.67	14	100	0.5	2	0.22	< 0.5	13	58	29	3.23	< 10	< 1	0.18	10	1.52	325	< 1
BB 04607	201	202	< 0.2	2.74	10	110	0.5	2	0.27	< 0.5	13	57	31	3.54	< 10	< 1	0.22	10	1.59	400	< 1
BB 04608	201	202	< 0.2	2.55	16	130	0.5	< 2	0.28	< 0.5	15	67	27	3.47	10	< 1	0.27	< 10	1.89	340	< 1

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

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

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

Project : HAT TRICK
Comments:

Page Number : 1-B
Total Pages : 1
Certificate Date: 06-OCT-96
Invoice No. : 19633952
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9633952

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 04590	201	202	< 0.01	20	1130	14	< 2	4	15	0.13	< 10	< 10	66	< 10	112
BB 04591	201	202	< 0.01	9	750	14	< 2	2	11	0.11	< 10	< 10	55	< 10	102
BB 04592	201	202	< 0.01	10	770	30	< 2	1	10	0.08	< 10	< 10	60	< 10	106
BB 04593	201	202	0.01	9	880	20	< 2	2	10	0.09	< 10	< 10	56	< 10	118
BB 04594	201	202	< 0.01	16	880	56	< 2	4	14	0.14	< 10	< 10	60	< 10	148
BB 04595	201	202	< 0.01	17	830	20	< 2	5	15	0.19	< 10	< 10	79	< 10	258
BB 04596	201	202	< 0.01	17	670	36	< 2	4	14	0.15	< 10	< 10	68	< 10	272
BB 04597	201	202	< 0.01	19	720	16	< 2	4	14	0.15	< 10	< 10	62	< 10	134
BB 04598	201	202	< 0.01	20	1470	< 2	< 2	5	16	0.17	< 10	< 10	93	< 10	78
BB 04599	201	202	< 0.01	15	1510	12	2	5	19	0.17	< 10	< 10	73	< 10	94
BB 04600	201	202	< 0.01	12	670	462	2	4	15	0.10	< 10	< 10	51	< 10	94
BB 04601	201	202	< 0.01	20	880	22	< 2	5	18	0.17	< 10	< 10	69	< 10	126
BB 04602	201	202	< 0.01	16	780	54	4	4	13	0.13	< 10	< 10	67	< 10	144
BB 04603	201	202	< 0.01	19	860	48	6	5	16	0.15	< 10	< 10	61	< 10	132
BB 04604	201	202	< 0.01	21	680	30	2	4	14	0.16	< 10	< 10	60	< 10	136
BB 04605	201	202	< 0.01	20	780	24	< 2	5	12	0.16	< 10	< 10	73	< 10	98
BB 04606	201	202	< 0.01	20	980	26	< 2	4	13	0.15	< 10	< 10	80	< 10	86
BB 04607	201	202	< 0.01	20	1160	34	< 2	5	14	0.16	< 10	< 10	83	< 10	96
BB 04608	201	202	< 0.01	21	1050	6	< 2	6	15	0.18	< 10	< 10	93	< 10	114

CERTIFICATION: Ian Bridden

Chemex Labs Ltd.

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

Project : HAT TRICK
Comments:

Page Number : 1-A
Total Pages : 1
Certificate Date: 21-SEP-96
Invoice No. : 19631816
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9631816

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
N110406	205	226	< 5	0.4	0.29	< 2	80	< 0.5	< 2	>15.00	< 0.5	5	29	4	4.33	< 10	< 1	0.04	< 10	2.80	1145
N110407	205	226	-----	< 0.2	0.58	2	200	< 0.5	< 2	0.33	< 0.5	13	101	11	2.64	< 10	< 1	0.23	< 10	0.08	1300
N110408	205	226	-----	0.2	0.41	14	60	< 0.5	< 2	0.26	< 0.5	18	97	12	4.31	< 10	< 1	0.24	< 10	0.03	25

CERTIFICATION: Ian Bichler

Chemex Labs Ltd.

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V6B 1L8

Project : HAT TRICK
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Page Number : 1-B
Total Pages : 1
Certificate Date: 21-SEP-96
Invoice No. : I9631816
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9631816

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
N110406	205	226	< 1	0.01	12	20	6	< 2	2	254	< 0.01	< 10	< 10	15	< 10	76
N110407	205	226	< 1	0.01	17	1500	14	< 2	2	6	0.03	< 10	< 10	16	< 10	22
N110408	205	226	8	0.01	3	1710	162	< 2	1	6	< 0.01	< 10	< 10	11	< 10	40

CERTIFICATION: [signature]

Chemex Labs Ltd.

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

Project : HAT TRICK
Comments:

Page Number :1-A
Total Pages :1
Certificate Date: 21-SEP-96
Invoice No. :I9631710
P.O. Number :
Account :MPO

CERTIFICATE OF ANALYSIS A9631710

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
BB09666	201	202	< 0.2	2.01	2	460	0.5	< 2	0.15	< 0.5	8	58	30	2.89	< 10	< 1	0.52	20	1.05	335	1
BB09667	201	202	< 0.2	2.45	4	260	1.0	< 2	0.29	< 0.5	8	49	29	2.69	< 10	< 1	0.43	50	1.53	395	< 1
BB09668	201	202	< 0.2	3.43	< 2	340	1.0	< 2	0.66	< 0.5	24	32	58	5.49	10	1	0.88	20	2.27	625	< 1
BB09669	201	202	1.0	1.89	2	220	0.5	< 2	0.39	< 0.5	10	38	61	2.99	< 10	< 1	0.28	10	1.13	255	1
BB09670	201	202	< 0.2	2.54	< 2	270	1.0	< 2	0.41	< 0.5	11	54	32	3.21	< 10	< 1	0.33	50	1.45	470	1
BB09671	201	202	< 0.2	2.69	< 2	130	0.5	< 2	0.51	< 0.5	15	42	25	3.71	10	1	0.36	10	1.88	370	< 1
BB09672	201	202	< 0.2	2.32	2	190	0.5	< 2	0.62	< 0.5	18	29	42	3.27	< 10	< 1	0.42	10	1.71	415	< 1
BB09673	201	202	< 0.2	2.98	2	170	0.5	< 2	0.40	0.5	21	28	45	4.39	< 10	< 1	0.57	10	1.84	435	< 1
BB09674	201	202	2.0	2.06	6	950	< 0.5	6	0.24	1.0	15	27	285	3.36	< 10	< 1	0.39	20	1.33	350	6
BB09711	201	202	< 0.2	3.08	< 2	200	0.5	< 2	0.36	< 0.5	22	39	76	4.50	< 10	1	0.45	10	2.03	520	< 1
BB09712	201	202	< 0.2	2.81	< 2	170	0.5	< 2	0.37	0.5	18	38	57	4.27	< 10	1	0.47	10	1.83	460	< 1
BB09713	201	202	< 0.2	2.70	< 2	150	< 0.5	< 2	0.22	< 0.5	14	56	25	3.77	10	< 1	0.33	< 10	1.69	390	< 1
BB09714	201	202	< 0.2	3.29	6	210	0.5	< 2	0.38	< 0.5	17	82	33	3.99	< 10	1	0.54	< 10	2.32	590	< 1
BB09715	201	202	< 0.2	3.04	2	210	0.5	< 2	0.31	< 0.5	19	62	33	3.62	< 10	1	0.40	10	1.89	550	< 1
BB09716	201	202	< 0.2	2.43	4	220	0.5	< 2	0.13	< 0.5	6	49	23	2.70	< 10	< 1	0.22	20	0.77	310	< 1
BB09717	201	202	< 0.2	2.08	2	190	0.5	< 2	0.16	< 0.5	6	47	19	2.72	< 10	< 1	0.18	30	0.93	275	< 1

CERTIFICATION: Stewart Bradley

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 : HAT TRICK
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Certificate Date: 21-SEP-96
Invoice No. : 19631710
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9631710

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
BB09666	201	202	< 0.01	48	580	12	< 2	4	16	0.10	< 10	< 10	65	< 10	96
BB09667	201	202	< 0.01	26	680	18	< 2	5	25	0.12	< 10	< 10	56	< 10	88
BB09668	201	202	< 0.01	19	2290	52	< 2	8	25	0.31	< 10	< 10	185	< 10	222
BB09669	201	202	0.01	16	1280	274	< 2	4	19	0.14	< 10	< 10	73	< 10	244
BB09670	201	202	< 0.01	35	1070	22	< 2	5	26	0.16	< 10	< 10	71	< 10	112
BB09671	201	202	< 0.01	24	1090	8	< 2	6	28	0.28	< 10	< 10	101	< 10	78
BB09672	201	202	0.01	20	1370	12	< 2	6	24	0.19	< 10	< 10	96	< 10	84
BB09673	201	202	< 0.01	17	1490	18	< 2	7	19	0.20	< 10	< 10	114	< 10	184
BB09674	201	202	< 0.01	15	1160	796	< 2	5	14	0.14	< 10	< 10	65	< 10	148
BB09711	201	202	< 0.01	22	1160	64	< 2	7	18	0.22	< 10	< 10	111	< 10	246
BB09712	201	202	< 0.01	19	1260	50	< 2	6	18	0.21	< 10	< 10	111	< 10	212
BB09713	201	202	< 0.01	21	1130	10	< 2	4	12	0.18	< 10	< 10	99	< 10	118
BB09714	201	202	< 0.01	22	1340	8	< 2	7	16	0.20	< 10	< 10	116	< 10	136
BB09715	201	202	< 0.01	29	920	10	< 2	6	18	0.19	< 10	< 10	99	< 10	106
BB09716	201	202	< 0.01	27	820	14	< 2	3	14	0.09	< 10	< 10	64	< 10	76
BB09717	201	202	< 0.01	25	600	12	< 2	3	16	0.11	< 10	< 10	60	< 10	76

CERTIFICATION:

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V6B 1L8

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Invoice No. : I9626989
P.O. Number :
Account : MPO

Project : HAT TRICK
Comments: ATTN: EXPATRIATE RESOURCES-WHITEHORSE FAX EXPAT RES.-VAN

CERTIFICATE OF ANALYSIS A9626989

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Hg ppm	K %	Mg %	Mn ppm	Mo ppm	Na %	Ni ppm
N110006	299	233	< 1	0.71	< 10	280	< 5	< 10	0.02	< 5	< 5	100	10	2.88	< 10	0.35	0.12	20	5	0.22	< 5
N110007	299	233	< 1	2.13	10	460	< 5	< 10	0.80	< 5	5	140	55	3.67	< 10	1.24	1.14	350	5	0.09	30
N110008	299	233	< 1	1.93	10	360	< 5	< 10	0.11	< 5	< 5	170	10	1.83	< 10	1.03	0.73	270	< 5	0.12	10
N110009	299	233	< 1	0.66	30	60	< 5	< 10	3.21	< 5	20	360	< 5	1.78	< 10	0.03	5.40	610	< 5	0.01	405
N110010	299	233	< 1	3.08	10	360	< 5	< 10	1.03	< 5	5	220	75	2.77	< 10	0.81	1.28	610	20	0.23	30
N110011	299	233	< 1	2.05	< 10	340	< 5	< 10	0.21	< 5	< 5	110	40	3.13	< 10	0.73	1.27	710	< 5	0.09	5
N110012	299	233	< 1	3.54	< 10	< 20	< 5	< 10	< 0.01	< 5	55	210	55	8.91	< 10	0.03	3.61	1110	< 5	0.05	< 5

CERTIFICATION: Stuart Bichler

Chemex Labs Ltd.

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Comments: ATTN: EXPATRIATE RESOURCES-WHITEHORSE FAX EXPAT RES.-VAN

CERTIFICATE OF ANALYSIS A9626989

SAMPLE	PREP CODE		P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
N110006	299	233	100	20	< 10	< 5	5	0.03	< 20	< 20	< 20	< 20	30
N110007	299	233	2400	15	< 10	5	20	0.34	< 20	< 20	120	< 20	315
N110008	299	233	300	20	< 10	< 5	15	0.10	< 20	< 20	20	< 20	70
N110009	299	233	< 100	10	< 10	< 5	105	< 0.01	< 20	< 20	20	< 20	25
N110010	299	233	800	25	< 10	5	65	0.17	< 20	< 20	100	< 20	90
N110011	299	233	800	65	< 10	< 5	15	0.07	< 20	< 20	20	< 20	65
N110012	299	233	< 100	< 5	< 10	25	< 5	0.01	< 20	< 20	140	< 20	125

CERTIFICATION: Ian Bichler

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Project : HATTRICK
Comments: ATTN: EXPATRIATE RESOURCES-WHITEHORSE FAX EXPAT RES.-VAN

CERTIFICATE OF ANALYSIS A9626944

SAMPLE	PREP CODE		Au ppb FA+AA	Ag g/t	Cu %	Pb %	Zn %					
N110006	208	226	< 5	0.7	< 0.01	0.01	< 0.01					
N110007	208	226	< 5	0.7	0.01	< 0.01	0.03					
N110008	208	226	< 5	< 0.3	< 0.01	< 0.01	< 0.01					
N110009	208	226	< 5	< 0.3	< 0.01	0.01	< 0.01					
N110010	208	226	< 5	0.6	0.01	< 0.01	< 0.01					
N110011	208	226	< 5	0.6	0.01	0.01	< 0.01					
N110012	208	226	10	0.6	0.01	0.01	0.01					

CERTIFICATION: Said Leung

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CERTIFICATE OF ANALYSIS A9628922

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
BB08095	201	202	< 0.2	2.32	8	170	0.5	< 2	0.34	< 0.5	11	36	45	3.12	< 10	< 1	0.07	20	0.90	395	< 1
BB08096	201	202	< 0.2	4.24	4	650	1.0	< 2	1.84	< 0.5	12	29	65	3.35	10	< 1	0.21	30	1.58	490	1
BB08097	201	202	< 0.2	2.12	< 2	200	3.0	< 2	0.14	< 0.5	6	16	16	2.68	< 10	< 1	0.11	50	0.70	675	< 1
BB08098	201	202	< 0.2	1.56	2	70	1.0	< 2	0.06	< 0.5	3	14	12	2.12	< 10	< 1	0.09	30	0.35	330	1
BB08099	201	202	< 0.2	1.58	6	90	2.5	< 2	0.14	< 0.5	4	8	8	1.82	< 10	< 1	0.07	30	0.24	285	< 1
BB08100	201	202	< 0.2	1.43	2	60	2.5	< 2	0.18	< 0.5	4	11	6	1.51	< 10	< 1	0.09	30	0.31	215	< 1
BB08101	201	202	< 0.2	2.03	6	140	1.5	< 2	0.24	< 0.5	8	39	23	2.48	< 10	< 1	0.06	20	0.76	295	2
BB08102	201	202	0.2	2.43	2	90	1.5	< 2	0.15	0.5	7	39	27	2.75	< 10	< 1	0.07	10	0.75	290	4
BB08103	201	202	0.8	3.56	2	200	1.5	2	0.31	0.5	11	57	54	4.07	10	< 1	0.28	20	1.15	420	12
BB08104	201	202	< 0.2	1.46	6	90	3.0	< 2	0.29	< 0.5	6	19	9	2.15	< 10	< 1	0.11	30	0.35	305	1
BB08105	201	202	0.6	1.30	10	180	3.5	2	0.41	2.5	17	23	169	3.57	< 10	< 1	0.22	30	0.49	780	11
BB08106	201	202	0.2	4.25	10	250	1.0	< 2	0.51	0.5	15	63	72	4.29	10	< 1	0.16	30	1.28	460	12
BB08107	201	202	< 0.2	1.75	6	70	3.0	< 2	0.13	< 0.5	5	19	5	2.11	< 10	< 1	0.13	30	0.44	345	< 1
BB08108	201	202	< 0.2	1.10	6	60	2.5	< 2	0.41	< 0.5	5	16	6	1.82	< 10	< 1	0.10	40	0.40	260	1
BB08109	201	202	< 0.2	1.77	10	70	1.5	< 2	0.13	< 0.5	6	22	12	2.40	< 10	< 1	0.10	10	0.38	315	3
BB08110	201	202	0.2	3.15	2	120	2.0	< 2	0.19	0.5	8	47	38	3.04	< 10	< 1	0.07	20	0.65	375	8
BB08111	201	202	< 0.2	1.58	6	80	0.5	< 2	0.11	< 0.5	4	31	18	2.24	< 10	< 1	0.06	10	0.33	365	6
BB08112	201	202	0.2	1.67	6	100	0.5	< 2	0.15	< 0.5	5	32	17	2.36	< 10	< 1	0.09	10	0.47	540	5
BB08113	201	202	< 0.2	1.44	4	80	1.0	< 2	0.26	< 0.5	4	22	8	2.02	< 10	< 1	0.07	40	0.47	160	< 1
BB08114	201	202	< 0.2	2.15	2	180	1.0	< 2	0.13	< 0.5	6	22	12	3.02	10	< 1	0.11	30	0.53	375	1
BB08115	201	202	0.2	4.09	8	130	1.5	6	0.20	< 0.5	6	36	27	4.10	10	< 1	0.06	10	0.53	275	1
BB08116	201	202	< 0.2	2.95	8	260	1.5	< 2	0.19	< 0.5	8	30	24	3.14	< 10	< 1	0.11	10	0.86	340	1
BB08117	201	202	< 0.2	2.60	8	290	1.0	< 2	0.28	< 0.5	7	34	26	3.35	10	< 1	0.13	10	0.84	320	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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Invoice No. : 19628922
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9628922

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
BB08095	201	202	< 0.01	27	690	8	2	5	20	0.07	< 10	< 10	72	< 10	62
BB08096	201	202	0.01	16	960	26	< 2	6	153	0.13	< 10	< 10	81	< 10	80
BB08097	201	202	< 0.01	13	930	48	< 2	1	8	0.01	< 10	< 10	25	< 10	148
BB08098	201	202	< 0.01	8	990	24	< 2	< 1	6	0.01	< 10	< 10	30	< 10	84
BB08099	201	202	< 0.01	6	830	36	< 2	< 1	8	< 0.01	< 10	< 10	11	< 10	82
BB08100	201	202	0.02	10	770	34	< 2	1	9	< 0.01	< 10	< 10	15	< 10	80
BB08101	201	202	< 0.01	28	810	18	< 2	3	14	0.07	< 10	< 10	76	< 10	92
BB08102	201	202	< 0.01	26	970	20	< 2	2	12	0.05	< 10	< 10	73	< 10	120
BB08103	201	202	0.01	39	600	20	< 2	7	52	0.14	< 10	< 10	126	< 10	136
BB08104	201	202	< 0.01	15	840	46	< 2	1	12	0.01	< 10	< 10	31	< 10	98
BB08105	201	202	< 0.01	59	860	58	< 2	4	17	< 0.01	< 10	10	43	< 10	216
BB08106	201	202	< 0.01	46	890	16	< 2	8	53	0.11	< 10	< 10	140	< 10	158
BB08107	201	202	< 0.01	12	1010	72	< 2	1	8	< 0.01	< 10	< 10	25	< 10	122
BB08108	201	202	< 0.01	17	1230	32	< 2	1	14	0.02	< 10	< 10	23	< 10	86
BB08109	201	202	0.01	14	920	24	< 2	< 1	11	0.02	< 10	< 10	44	< 10	94
BB08110	201	202	0.01	29	1060	16	2	4	18	0.06	< 10	< 10	119	< 10	140
BB08111	201	202	< 0.01	12	790	16	< 2	1	13	0.04	< 10	< 10	109	< 10	62
BB08112	201	202	< 0.01	16	1080	14	< 2	1	13	0.03	< 10	< 10	69	< 10	76
BB08113	201	202	< 0.01	14	720	20	< 2	1	14	0.04	< 10	< 10	33	< 10	68
BB08114	201	202	< 0.01	12	960	32	< 2	1	16	0.05	< 10	< 10	53	< 10	98
BB08115	201	202	< 0.01	14	1490	24	< 2	3	19	0.06	< 10	< 10	74	< 10	74
BB08116	201	202	< 0.01	17	1050	16	< 2	2	25	0.05	< 10	< 10	58	< 10	82
BB08117	201	202	< 0.01	20	860	16	2	3	33	0.07	< 10	< 10	71	< 10	82

CERTIFICATION: Bartlett Richter

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Invoice No. : I9627951
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9627951

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
BB00429	201 202	< 0.2	4.25	< 2	540	2.0	< 2	1.49	< 0.5	26	48	132	4.63	< 10	< 1	0.34	30	1.54	640	6
BB00430	201 202	< 0.2	2.31	< 2	130	1.0	< 2	0.30	< 0.5	9	46	51	2.88	< 10	1	0.07	10	1.03	415	3
BB00431	201 202	< 0.2	2.35	< 2	100	1.5	< 2	0.12	< 0.5	8	31	16	3.33	< 10	< 1	0.18	40	1.15	415	1
BB00432	201 202	< 0.2	3.31	< 2	310	1.5	< 2	0.65	< 0.5	10	80	43	4.11	< 10	1	0.15	40	1.66	345	4
BB00433	201 202	< 0.2	3.10	< 2	140	1.0	< 2	0.08	< 0.5	8	103	22	3.76	< 10	< 1	0.14	10	1.33	235	3
BB00434	201 202	< 0.2	2.22	< 2	170	1.5	< 2	0.38	< 0.5	8	34	25	3.16	< 10	< 1	0.13	60	1.08	450	4
BB00435	201 202	< 0.2	2.16	< 2	100	0.5	< 2	0.63	< 0.5	11	41	35	2.66	< 10	< 1	0.12	10	1.37	250	1
BB00436	201 202	< 0.2	2.10	< 2	110	0.5	< 2	0.37	< 0.5	12	40	27	2.78	< 10	< 1	0.22	< 10	1.28	245	1
BB00437	201 202	< 0.2	2.12	< 2	140	0.5	< 2	1.32	< 0.5	22	31	50	3.80	< 10	< 1	0.18	< 10	2.04	245	1
BB00438	201 202	< 0.2	1.91	< 2	100	< 0.5	< 2	0.38	< 0.5	13	25	29	3.05	< 10	< 1	0.19	< 10	1.36	275	< 1
BB00439	201 202	< 0.2	3.00	< 2	160	1.0	< 2	0.22	< 0.5	25	60	42	5.66	< 10	1	0.29	10	1.64	715	3
BB00440	201 202	< 0.2	2.89	< 2	120	1.5	< 2	0.75	< 0.5	20	35	43	4.82	< 10	< 1	0.10	20	1.46	595	1
BB00441	201 202	< 0.2	2.28	< 2	110	0.5	< 2	0.45	< 0.5	14	46	35	3.35	< 10	< 1	0.12	10	1.49	305	2
BB00442	201 202	0.2	3.79	< 2	180	1.5	< 2	0.67	< 0.5	17	52	211	4.66	< 10	1	0.14	40	1.68	260	6
BB00443	201 202	< 0.2	1.88	< 2	80	0.5	< 2	0.21	< 0.5	5	27	11	2.24	< 10	< 1	0.17	10	0.93	245	1
BB00444	201 202	< 0.2	2.57	< 2	150	0.5	< 2	0.09	< 0.5	6	75	15	2.97	< 10	< 1	0.16	10	1.08	210	1
BB00445	201 202	0.2	2.22	< 2	110	0.5	< 2	0.21	< 0.5	9	42	19	3.33	< 10	< 1	0.12	< 10	1.04	295	1
BB00446	201 202	< 0.2	2.25	< 2	200	1.5	< 2	0.35	< 0.5	6	58	20	2.82	< 10	< 1	0.21	30	1.42	275	2
BB00447	201 202	< 0.2	2.14	< 2	130	0.5	< 2	0.71	< 0.5	10	36	17	2.21	< 10	< 1	0.15	10	1.31	200	1
BB00448	201 202	< 0.2	3.25	< 2	220	0.5	< 2	0.65	< 0.5	19	52	78	4.00	< 10	< 1	0.25	10	1.81	400	3
BB00449	201 202	< 0.2	2.43	< 2	90	0.5	< 2	0.43	< 0.5	14	50	38	3.12	< 10	< 1	0.14	10	1.58	255	2
BB00450	201 202	< 0.2	2.53	< 2	130	0.5	< 2	0.54	< 0.5	14	70	48	3.27	< 10	< 1	0.08	10	1.54	290	2
BB00451	201 202	< 0.2	1.73	< 2	80	< 0.5	< 2	0.35	< 0.5	10	40	23	2.36	< 10	< 1	0.17	< 10	1.01	290	< 1
BB00452	201 202	< 0.2	1.84	< 2	110	0.5	< 2	0.52	0.5	17	51	66	2.11	< 10	< 1	0.19	10	1.37	360	< 1
BB00453	201 202	< 0.2	2.06	< 2	140	0.5	< 2	0.23	< 0.5	10	35	36	2.98	< 10	< 1	0.25	20	1.24	360	2
BB00454	201 202	< 0.2	1.77	< 2	190	< 0.5	< 2	0.83	< 0.5	14	88	20	2.15	< 10	< 1	0.37	10	1.92	110	< 1
BB00455	201 202	< 0.2	1.95	< 2	70	< 0.5	< 2	0.19	< 0.5	11	36	23	2.79	< 10	< 1	0.06	< 10	0.98	480	3
BB00456	201 202	< 0.2	2.54	< 2	120	0.5	< 2	0.37	< 0.5	15	48	39	3.15	< 10	< 1	0.16	< 10	1.63	215	2
BB00457	201 202	< 0.2	1.63	< 2	130	< 0.5	< 2	0.61	< 0.5	11	33	25	2.07	< 10	< 1	0.24	< 10	1.26	165	1
BB00458	201 202	< 0.2	2.50	< 2	110	0.5	< 2	0.49	< 0.5	12	40	50	3.37	< 10	< 1	0.11	10	1.24	185	9
BB00459	201 202	< 0.2	2.11	< 2	100	0.5	< 2	0.21	< 0.5	9	44	19	3.44	< 10	< 1	0.13	10	0.87	225	1
BB00460	201 202	< 0.2	1.76	< 2	80	< 0.5	< 2	0.17	< 0.5	5	32	8	2.06	< 10	< 1	0.12	< 10	0.81	150	1
BB00461	201 202	0.2	1.68	< 2	390	< 0.5	< 2	0.19	< 0.5	7	75	12	2.87	< 10	< 1	0.24	< 10	0.92	285	2
BB00462	201 202	< 0.2	1.41	< 2	80	< 0.5	< 2	0.36	< 0.5	10	29	9	2.24	< 10	< 1	0.18	< 10	0.93	265	< 1
BB00463	201 202	< 0.2	2.68	< 2	150	0.5	< 2	0.68	< 0.5	19	44	35	3.53	< 10	< 1	0.43	< 10	2.28	295	1
BB00464	201 202	< 0.2	2.34	< 2	130	0.5	< 2	0.30	< 0.5	14	67	22	2.87	< 10	< 1	0.23	10	1.63	305	1
BB00465	201 202	< 0.2	2.41	< 2	90	0.5	< 2	0.23	< 0.5	12	47	22	3.14	< 10	< 1	0.19	10	1.58	285	2
BB00466	201 202	< 0.2	2.45	< 2	110	0.5	< 2	0.19	< 0.5	8	35	19	3.27	< 10	< 1	0.30	10	1.06	325	1
BB00467	201 202	< 0.2	2.54	< 2	160	1.0	< 2	0.36	< 0.5	12	32	31	3.45	< 10	< 1	0.31	10	1.65	400	1
BB00468	201 202	< 0.2	2.39	< 2	100	0.5	< 2	0.25	< 0.5	10	49	19	3.39	< 10	< 1	0.21	< 10	1.03	350	1

CERTIFICATION:

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.
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Project : HAT TRICK
Comments:

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CERTIFICATE OF ANALYSIS A9627951

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
BB00429	201	202	0.01	72	850	14	< 2	7	115	0.13	< 10	< 10	94	< 10	170
BB00430	201	202	0.01	21	700	16	< 2	3	19	0.05	< 10	< 10	76	< 10	94
BB00431	201	202	< 0.01	10	990	34	< 2	3	5	0.02	< 10	< 10	31	< 10	126
BB00432	201	202	< 0.01	58	870	14	< 2	7	29	0.07	< 10	< 10	79	< 10	178
BB00433	201	202	< 0.01	46	460	6	< 2	4	5	0.08	< 10	< 10	85	< 10	80
BB00434	201	202	< 0.01	16	920	28	< 2	5	15	0.04	< 10	< 10	54	< 10	118
BB00435	201	202	< 0.01	18	1050	4	< 2	7	22	0.09	< 10	< 10	67	< 10	76
BB00436	201	202	< 0.01	18	1200	4	< 2	4	12	0.11	< 10	< 10	77	< 10	82
BB00437	201	202	< 0.01	22	3950	< 2	2	5	22	0.09	< 10	< 10	126	< 10	80
BB00438	201	202	< 0.01	14	1120	2	< 2	3	13	0.10	< 10	< 10	101	< 10	82
BB00439	201	202	< 0.01	38	690	< 2	< 2	14	11	0.07	< 10	< 10	139	< 10	126
BB00440	201	202	< 0.01	26	1590	< 2	< 2	15	22	0.03	< 10	< 10	111	< 10	118
BB00441	201	202	< 0.01	21	930	4	< 2	5	15	0.11	< 10	< 10	96	< 10	106
BB00442	201	202	< 0.01	29	1910	8	< 2	17	26	0.08	< 10	< 10	136	< 10	108
BB00443	201	202	< 0.01	12	170	4	< 2	4	8	0.11	< 10	< 10	37	< 10	44
BB00444	201	202	< 0.01	32	410	12	< 2	4	4	0.08	< 10	< 10	68	< 10	68
BB00445	201	202	< 0.01	20	860	6	< 2	3	12	0.13	< 10	< 10	89	< 10	66
BB00446	201	202	< 0.01	28	400	10	< 2	5	13	0.15	< 10	< 10	65	< 10	94
BB00447	201	202	0.01	16	1380	2	< 2	6	18	0.15	< 10	< 10	78	< 10	64
BB00448	201	202	< 0.01	26	1580	16	< 2	8	24	0.10	< 10	< 10	114	< 10	160
BB00449	201	202	< 0.01	23	790	4	< 2	5	17	0.15	< 10	< 10	94	< 10	82
BB00450	201	202	< 0.01	28	1890	< 2	< 2	5	25	0.16	< 10	< 10	102	< 10	60
BB00451	201	202	0.01	16	1500	2	< 2	2	11	0.11	< 10	< 10	66	< 10	74
BB00452	201	202	< 0.01	15	1810	< 2	< 2	3	11	0.10	< 10	< 10	69	< 10	186
BB00453	201	202	< 0.01	15	820	14	< 2	4	12	0.12	< 10	< 10	84	< 10	142
BB00454	201	202	0.01	39	1760	< 2	< 2	3	15	0.11	< 10	< 10	67	< 10	58
BB00455	201	202	< 0.01	14	990	6	< 2	1	11	0.10	< 10	< 10	89	< 10	64
BB00456	201	202	< 0.01	25	1150	< 2	< 2	4	13	0.14	< 10	< 10	98	< 10	80
BB00457	201	202	0.01	17	1660	< 2	< 2	5	14	0.13	< 10	< 10	82	< 10	56
BB00458	201	202	< 0.01	18	1220	4	2	7	15	0.11	< 10	< 10	118	< 10	72
BB00459	201	202	< 0.01	16	860	2	< 2	4	10	0.10	< 10	< 10	89	< 10	74
BB00460	201	202	< 0.01	11	490	8	< 2	3	9	0.11	< 10	< 10	58	< 10	40
BB00461	201	202	0.01	28	650	4	< 2	3	24	0.10	< 10	< 10	95	< 10	56
BB00462	201	202	0.01	15	890	< 2	2	3	13	0.11	< 10	< 10	78	< 10	58
BB00463	201	202	< 0.01	29	1600	< 2	< 2	6	18	0.20	< 10	< 10	107	< 10	166
BB00464	201	202	< 0.01	30	960	2	< 2	3	14	0.14	< 10	< 10	76	< 10	76
BB00465	201	202	< 0.01	17	700	8	< 2	3	15	0.17	< 10	< 10	81	< 10	86
BB00466	201	202	< 0.01	15	1140	14	< 2	3	10	0.13	< 10	< 10	68	< 10	100
BB00467	201	202	< 0.01	18	1220	16	< 2	5	14	0.17	< 10	< 10	80	< 10	136
BB00468	201	202	< 0.01	15	1190	10	< 2	2	13	0.11	< 10	< 10	80	< 10	86

CERTIFICATION: Ian Bichler

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BB00469	201	202	< 0.2	2.27	< 2	120	0.5	< 2	0.35	< 0.5	13	47	25	3.18	< 10	< 1	0.35	< 10	1.57	310	1
BB00470	201	202	< 0.2	2.41	< 2	90	< 0.5	< 2	0.46	< 0.5	15	52	24	3.24	< 10	< 1	0.08	< 10	1.79	235	2
BB00471	201	202	< 0.2	2.90	< 2	140	0.5	< 2	0.29	< 0.5	14	57	31	3.12	< 10	< 1	0.26	10	1.88	255	1
BB00472	201	202	< 0.2	2.30	< 2	90	0.5	< 2	0.34	< 0.5	12	34	17	2.62	< 10	< 1	0.12	< 10	1.23	300	3
BB00473	201	202	< 0.2	2.07	< 2	100	0.5	< 2	0.22	< 0.5	10	30	14	2.80	< 10	< 1	0.05	< 10	0.85	505	3
BB00474	201	202	< 0.2	2.22	< 2	180	0.5	< 2	0.39	< 0.5	12	35	15	3.19	< 10	< 1	0.22	10	1.32	650	3
BB00475	201	202	< 0.2	2.43	< 2	100	0.5	< 2	0.37	< 0.5	12	36	24	3.05	< 10	< 1	0.22	< 10	1.46	200	2
BB00476	201	202	< 0.2	2.82	< 2	110	0.5	< 2	0.35	< 0.5	13	45	36	3.34	< 10	< 1	0.21	10	1.64	195	3
BB00477	201	202	< 0.2	2.58	< 2	80	< 0.5	< 2	0.28	< 0.5	13	42	20	3.07	< 10	< 1	0.10	< 10	1.63	230	1
BB00478	201	202	< 0.2	2.39	< 2	90	0.5	< 2	0.27	< 0.5	12	43	27	2.90	< 10	< 1	0.14	< 10	1.38	280	2
BB00479	201	202	< 0.2	2.42	< 2	150	0.5	< 2	0.53	< 0.5	19	62	54	3.09	< 10	< 1	0.20	10	1.87	250	1
BB00480	201	202	< 0.2	2.01	< 2	120	< 0.5	< 2	0.26	< 0.5	11	27	13	2.86	< 10	< 1	0.37	10	1.38	425	1

CERTIFICATION: Stewart Bichler

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BB00469	201	202	< 0.01	20	1150	10	< 2	4	13	0.16	< 10	< 10	84	< 10	100
BB00470	201	202	< 0.01	25	1000	< 2	< 2	4	15	0.13	< 10	< 10	98	< 10	72
BB00471	201	202	< 0.01	24	890	8	< 2	4	12	0.16	< 10	< 10	87	< 10	108
BB00472	201	202	< 0.01	16	1170	< 2	< 2	3	13	0.10	< 10	< 10	80	< 10	66
BB00473	201	202	0.01	13	1120	2	< 2	1	13	0.05	< 10	< 10	79	< 10	62
BB00474	201	202	< 0.01	21	730	4	< 2	4	28	0.16	< 10	< 10	76	< 10	62
BB00475	201	202	< 0.01	19	670	< 2	< 2	5	13	0.17	< 10	< 10	89	< 10	66
BB00476	201	202	< 0.01	23	820	< 2	< 2	5	12	0.17	< 10	< 10	88	< 10	68
BB00477	201	202	< 0.01	21	810	2	< 2	3	13	0.14	< 10	< 10	92	< 10	76
BB00478	201	202	< 0.01	19	1010	6	< 2	3	11	0.13	< 10	< 10	82	< 10	84
BB00479	201	202	< 0.01	30	710	2	2	5	19	0.18	< 10	< 10	94	< 10	84
BB00480	201	202	< 0.01	10	890	4	< 2	4	10	0.14	< 10	< 10	74	< 10	84

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Comments: ATTN:EXPATRIATE RE.-WHITEHORSE FAX:EXPATRIATE RE.-VANCOUVER

CERTIFICATE OF ANALYSIS A9626934

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 3001	201	202	< 0.2	2.35	6	90	< 0.5	2	0.13	< 0.5	19	134	57	3.85	< 10	< 1	0.12	< 10	1.67	425	1
BB 3002	201	202	< 0.2	2.81	< 2	130	< 0.5	< 2	0.44	< 0.5	23	97	203	3.71	< 10	< 1	0.10	< 10	2.05	865	< 1
BB 3003	201	202	0.2	2.10	< 2	50	< 0.5	< 2	0.11	< 0.5	14	76	60	3.61	< 10	< 1	0.03	< 10	1.40	710	1
BB 3004	201	202	0.2	1.52	4	60	< 0.5	< 2	0.15	0.5	9	57	29	2.73	< 10	< 1	0.03	< 10	1.00	500	1
BB 3005	201	202	< 0.2	2.24	4	30	< 0.5	< 2	0.23	< 0.5	18	109	60	2.83	< 10	< 1	0.01	< 10	1.84	410	< 1
BB 3006	201	202	< 0.2	2.13	< 2	30	< 0.5	< 2	0.18	< 0.5	14	98	44	3.18	< 10	1	0.02	< 10	1.74	405	< 1
BB 3007	201	202	< 0.2	2.38	2	20	< 0.5	2	0.23	< 0.5	15	111	52	3.46	< 10	< 1	0.01	< 10	1.85	450	< 1
BB 3008	201	202	< 0.2	3.41	2	40	< 0.5	< 2	0.30	< 0.5	35	116	202	5.49	< 10	< 1	0.01	< 10	2.79	1165	< 1
BB 3009	201	202	< 0.2	2.63	10	30	< 0.5	< 2	0.23	< 0.5	33	90	320	3.82	< 10	< 1	0.01	< 10	2.01	770	< 1
BB 3010	201	202	0.2	4.00	2	70	< 0.5	2	0.44	< 0.5	31	237	161	5.09	10	< 1	0.06	< 10	3.66	770	< 1
BB 3011	201	202	< 0.2	3.32	< 2	100	< 0.5	< 2	0.54	< 0.5	28	175	162	4.81	< 10	< 1	0.10	< 10	2.76	860	< 1
BB 3012	201	202	< 0.2	2.09	< 2	90	< 0.5	< 2	0.38	< 0.5	15	89	64	3.15	< 10	< 1	0.06	< 10	1.59	520	< 1
BB 3013	201	202	< 0.2	2.89	2	90	< 0.5	< 2	0.21	0.5	19	100	122	3.95	< 10	< 1	0.11	10	1.78	600	2
BB 3014	201	202	0.2	2.79	< 2	190	< 0.5	< 2	0.61	0.5	19	115	83	4.42	< 10	< 1	0.12	20	1.97	520	3
BB 3015	201	202	0.6	3.22	< 2	250	< 0.5	< 2	0.94	0.5	30	219	183	5.08	< 10	< 1	0.19	30	2.69	1105	1
BB 3016	201	202	1.6	3.10	< 2	340	0.5	2	0.82	1.5	31	82	152	5.63	10	< 1	0.31	60	2.51	1045	6
BB 3017	201	202	2.4	2.90	6	290	0.5	< 2	0.43	1.5	37	119	226	6.90	< 10	< 1	0.41	70	1.99	1365	8
BB 3018	201	202	1.8	2.97	< 2	320	0.5	< 2	0.61	1.5	28	91	271	6.20	< 10	< 1	0.47	70	2.14	930	7
BB 3019	201	202	1.4	3.35	2	280	0.5	2	0.63	1.0	38	90	106	6.05	< 10	1	0.21	50	1.77	1270	13
BB 3020	201	202	0.2	3.30	< 2	140	0.5	< 2	0.37	< 0.5	26	105	67	4.81	< 10	< 1	0.11	10	2.18	965	5
BB 3021	201	202	0.4	3.23	8	230	< 0.5	< 2	0.22	0.5	24	99	71	5.57	10	< 1	0.18	30	2.17	990	10
BB 3022	201	202	< 0.2	3.24	8	270	0.5	< 2	0.17	0.5	23	88	88	7.18	< 10	< 1	0.36	50	1.70	660	17
BB 3023	201	202	0.2	2.47	2	80	< 0.5	< 2	0.12	< 0.5	13	74	37	4.11	< 10	< 1	0.07	10	1.48	470	5
BB 3024	201	202	< 0.2	2.36	2	70	< 0.5	< 2	0.17	< 0.5	8	62	26	3.46	< 10	< 1	0.04	10	1.04	320	2
BB 3025	201	202	0.2	2.70	< 2	90	< 0.5	2	0.13	< 0.5	15	76	62	5.62	< 10	< 1	0.10	30	1.63	680	13
BB 3026	201	202	< 0.2	1.68	2	80	< 0.5	< 2	0.04	< 0.5	7	44	25	3.65	< 10	< 1	0.06	10	0.84	215	10
BB 3027	201	202	0.2	2.25	2	110	< 0.5	< 2	0.10	< 0.5	9	67	28	3.41	< 10	< 1	0.05	10	1.23	355	5
BB 3028	201	202	0.2	2.23	< 2	80	< 0.5	< 2	0.10	< 0.5	12	76	23	3.77	< 10	< 1	0.06	10	1.46	500	3
BB 3029	201	202	0.2	1.83	< 2	60	< 0.5	< 2	0.06	< 0.5	10	66	22	3.68	< 10	< 1	0.05	10	1.04	530	5
BB 3030	201	202	< 0.2	2.88	2	360	0.5	< 2	0.74	8.5	19	62	39	4.03	< 10	< 1	0.07	50	1.15	4540	15
BB 3031	201	202	< 0.2	2.35	< 2	220	0.5	2	0.52	0.5	11	37	41	2.77	< 10	< 1	0.15	70	1.04	445	4
BB 3032	201	202	0.8	4.87	2	740	1.5	4	0.87	0.5	22	86	88	5.83	10	< 1	0.50	40	2.00	885	4
BB 3033	201	202	0.2	3.22	2	530	1.0	< 2	0.65	1.5	11	41	71	3.05	< 10	1	0.28	110	1.06	745	1
BB 3034	201	202	< 0.2	2.15	< 2	330	0.5	2	0.83	< 0.5	9	38	55	2.42	< 10	< 1	0.23	70	1.14	245	1
BB 3035	201	202	0.4	1.87	6	170	0.5	2	0.20	0.5	7	47	21	3.09	< 10	< 1	0.20	30	0.81	240	3
BB 3036	201	202	< 0.2	1.78	< 2	120	< 0.5	2	0.19	< 0.5	7	46	13	2.95	10	< 1	0.15	< 10	1.04	220	1
BB 3037	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
BB 3038	201	202	< 0.2	1.20	< 2	70	0.5	2	0.16	< 0.5	5	16	11	2.08	< 10	< 1	0.13	30	0.46	255	< 1
BB 3039	201	202	< 0.2	1.24	< 2	120	< 0.5	2	0.13	< 0.5	5	21	9	2.00	< 10	< 1	0.29	10	0.64	210	< 1
BB 3040	201	202	< 0.2	2.18	6	180	1.0	< 2	0.34	< 0.5	10	56	19	2.92	< 10	< 1	0.14	40	0.97	585	< 1

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CERTIFICATE OF ANALYSIS A9626934

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 3001	201	202	< 0.01	42	210	< 2	< 2	7	7	0.15	< 10	< 10	106	< 10	88
BB 3002	201	202	< 0.01	42	440	< 2	< 2	6	12	0.14	< 10	< 10	97	< 10	68
BB 3003	201	202	< 0.01	28	460	6	< 2	3	7	0.04	< 10	< 10	98	< 10	80
BB 3004	201	202	< 0.01	21	380	2	< 2	3	7	0.08	< 10	< 10	80	< 10	58
BB 3005	201	202	< 0.01	37	200	< 2	< 2	5	7	0.09	< 10	< 10	83	< 10	48
BB 3006	201	202	< 0.01	35	430	4	< 2	4	8	0.07	< 10	< 10	96	< 10	62
BB 3007	201	202	< 0.01	37	330	< 2	< 2	4	9	0.14	< 10	< 10	100	< 10	70
BB 3008	201	202	< 0.01	46	270	< 2	< 2	22	5	0.07	< 10	< 10	175	< 10	82
BB 3009	201	202	0.01	39	470	< 2	< 2	8	4	0.04	< 10	< 10	92	< 10	58
BB 3010	201	202	< 0.01	83	290	2	< 2	14	8	0.08	< 10	< 10	141	< 10	180
BB 3011	201	202	< 0.01	64	380	< 2	< 2	16	11	0.10	< 10	< 10	144	< 10	102
BB 3012	201	202	0.01	34	280	4	< 2	7	9	0.10	< 10	< 10	90	< 10	62
BB 3013	201	202	< 0.01	52	510	6	2	7	10	0.09	< 10	< 10	96	< 10	110
BB 3014	201	202	< 0.01	65	670	8	< 2	9	22	0.06	< 10	< 10	90	< 10	140
BB 3015	201	202	< 0.01	107	620	6	< 2	13	17	0.10	< 10	< 10	125	< 10	124
BB 3016	201	202	< 0.01	116	1220	14	< 2	11	32	0.08	< 10	< 10	105	< 10	200
BB 3017	201	202	< 0.01	139	850	16	< 2	13	32	0.05	< 10	< 10	97	< 10	200
BB 3018	201	202	< 0.01	103	1070	12	< 2	10	30	0.07	< 10	< 10	96	< 10	216
BB 3019	201	202	0.01	147	1360	16	2	9	32	0.05	< 10	< 10	123	< 10	194
BB 3020	201	202	< 0.01	82	1640	2	< 2	9	16	0.10	< 10	< 10	117	< 10	136
BB 3021	201	202	< 0.01	71	1190	10	< 2	9	23	0.05	< 10	< 10	116	< 10	176
BB 3022	201	202	< 0.01	76	1440	12	< 2	7	38	0.08	< 10	< 10	124	< 10	180
BB 3023	201	202	< 0.01	47	760	10	< 2	6	12	0.06	< 10	< 10	98	< 10	104
BB 3024	201	202	< 0.01	29	780	8	< 2	4	12	0.06	< 10	< 10	78	< 10	66
BB 3025	201	202	< 0.01	70	1210	12	< 2	6	12	0.04	< 10	< 10	117	< 10	210
BB 3026	201	202	< 0.01	28	1350	10	< 2	< 1	11	0.01	< 10	< 10	87	< 10	92
BB 3027	201	202	< 0.01	33	950	6	< 2	2	10	0.04	< 10	< 10	91	< 10	80
BB 3028	201	202	< 0.01	38	720	8	< 2	6	8	0.09	< 10	< 10	116	< 10	90
BB 3029	201	202	< 0.01	29	790	14	< 2	3	8	0.05	< 10	< 10	106	< 10	84
BB 3030	201	202	< 0.01	51	2660	18	< 2	5	35	0.03	< 10	< 10	83	< 10	212
BB 3031	201	202	0.01	21	560	10	< 2	6	27	0.10	< 10	< 10	67	< 10	90
BB 3032	201	202	0.01	46	860	18	2	10	47	0.15	< 10	< 10	151	< 10	166
BB 3033	201	202	0.03	30	880	10	< 2	5	52	0.09	< 10	< 10	69	< 10	134
BB 3034	201	202	0.01	27	810	10	< 2	6	42	0.11	< 10	< 10	60	< 10	92
BB 3035	201	202	< 0.01	22	770	64	< 2	4	15	0.11	< 10	< 10	81	< 10	138
BB 3036	201	202	< 0.01	18	400	12	< 2	4	12	0.15	< 10	< 10	85	< 10	74
BB 3037	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
BB 3038	201	202	< 0.01	12	530	10	< 2	3	10	0.06	< 10	< 10	24	< 10	62
BB 3039	201	202	< 0.01	11	380	10	< 2	3	11	0.11	< 10	< 10	36	< 10	54
BB 3040	201	202	< 0.01	35	820	16	< 2	5	22	0.11	< 10	< 10	61	< 10	80

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

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To: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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Page Number :2-A
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Project : HAT TRICK
Comments: ATTN:EXPATRIATE RE.-WHITEHORSE FAX:EXPATRIATE RE.-VANCOUVER

CERTIFICATE OF ANALYSIS A9626934

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 3041	201	202	< 0.2	1.72	4	120	1.0	4	0.19	< 0.5	7	30	15	2.60	< 10	< 1	0.16	30	0.75	350	1
BB 3042	201	202	< 0.2	1.62	2	110	1.5	< 2	0.17	< 0.5	3	15	11	2.05	< 10	< 1	0.23	40	1.08	345	1
BB 3043	201	202	< 0.2	2.15	10	330	0.5	< 2	0.15	< 0.5	7	47	22	2.99	< 10	< 1	0.33	20	1.17	370	1
BB 3044	201	202	0.2	2.28	40	470	0.5	< 2	0.24	< 0.5	9	48	38	3.09	< 10	< 1	0.45	30	1.33	305	1
BB 3045	201	202	0.2	2.92	8	570	0.5	2	0.32	< 0.5	16	87	49	4.25	< 10	< 1	0.57	40	1.44	530	2
BB 3046	201	202	0.6	2.82	< 2	80	< 0.5	< 2	0.05	0.5	15	93	40	5.50	< 10	< 1	0.06	10	1.41	805	6
BB 3047	201	202	0.4	2.26	2	50	< 0.5	< 2	0.07	< 0.5	12	59	54	5.80	< 10	< 1	0.05	10	1.06	530	10
BB 3048	201	202	< 0.2	2.36	2	190	0.5	< 2	0.46	0.5	18	60	39	4.32	< 10	< 1	0.08	20	1.60	1000	10
BB 3049	201	202	0.2	1.27	2	60	< 0.5	< 2	0.04	< 0.5	7	29	24	2.67	< 10	< 1	0.08	10	0.72	300	8
BB 3050	201	202	0.2	1.63	2	60	< 0.5	< 2	0.03	< 0.5	12	46	39	4.18	< 10	< 1	0.07	10	1.10	440	9
BB 3051	201	202	< 0.2	3.20	12	130	0.5	< 2	0.27	< 0.5	18	178	44	4.52	< 10	< 1	0.06	10	2.40	710	6
BB 3052	201	202	< 0.2	2.64	8	200	< 0.5	< 2	0.72	1.0	20	162	59	4.13	< 10	< 1	0.11	30	1.87	685	2
BB 3053	201	202	0.2	1.87	4	60	< 0.5	< 2	0.08	< 0.5	15	55	37	4.17	< 10	< 1	0.07	10	1.20	770	6
BB 3054	201	202	< 0.2	1.37	10	70	< 0.5	< 2	0.11	< 0.5	25	79	39	4.07	< 10	< 1	0.07	10	1.07	1625	8
BB 3055	201	202	< 0.2	1.36	< 2	50	< 0.5	< 2	0.08	< 0.5	14	56	41	3.94	< 10	< 1	0.07	10	0.83	570	8
BB 3056	201	202	< 0.2	1.18	< 2	40	< 0.5	< 2	0.04	< 0.5	15	107	36	3.51	< 10	< 1	0.04	10	1.02	565	9
BB 3057	201	202	0.2	1.36	< 2	60	< 0.5	< 2	0.10	< 0.5	10	31	26	2.87	< 10	< 1	0.05	20	0.84	230	6
BB 3058	201	202	0.6	2.31	6	70	0.5	< 2	0.16	< 0.5	12	38	42	4.29	< 10	< 1	0.05	30	0.92	300	6
BB 3059	201	202	1.0	1.78	6	80	2.0	< 2	0.19	2.0	33	33	143	5.42	< 10	< 1	0.06	40	0.82	1445	8
BB 3060	201	202	< 0.2	2.59	< 2	30	0.5	< 2	0.13	< 0.5	35	41	59	6.30	< 10	< 1	0.06	20	0.94	935	5
BB 3061	201	202	< 0.2	2.49	2	210	< 0.5	2	0.48	< 0.5	24	116	41	4.15	< 10	< 1	0.47	10	1.95	575	< 1
BB 3062	201	202	< 0.2	1.47	28	90	0.5	< 2	0.13	0.5	12	30	78	5.26	< 10	< 1	0.06	50	0.60	265	30
BB 3063	201	202	< 0.2	2.69	6	240	< 0.5	< 2	0.57	< 0.5	22	58	40	3.88	< 10	< 1	0.34	< 10	2.44	545	< 1
BB 3064	201	202	< 0.2	2.69	4	200	< 0.5	2	0.42	< 0.5	20	103	29	3.97	< 10	< 1	0.25	< 10	2.38	475	< 1
BB 3065	201	202	< 0.2	1.72	2	110	< 0.5	< 2	0.21	< 0.5	11	31	25	2.89	< 10	< 1	0.07	< 10	1.12	340	< 1
BB 3066	201	202	0.2	2.28	< 2	60	< 0.5	4	0.32	< 0.5	13	48	42	3.45	< 10	1	0.06	< 10	1.63	295	< 1
BB 3067	201	202	< 0.2	2.34	4	90	0.5	< 2	0.37	< 0.5	14	43	28	3.44	< 10	< 1	0.08	< 10	1.65	380	< 1
BB 3068	201	202	< 0.2	3.79	10	290	0.5	< 2	0.48	< 0.5	27	64	69	5.22	10	< 1	0.47	< 10	3.07	875	< 1
BB 3069	201	202	< 0.2	3.13	6	130	0.5	< 2	0.47	< 0.5	24	67	57	4.41	< 10	< 1	0.26	< 10	2.53	630	< 1
BB 3070	201	202	< 0.2	4.81	10	260	0.5	2	0.72	< 0.5	36	221	108	5.36	10	< 1	0.74	< 10	4.34	910	< 1
BB 3071	201	202	< 0.2	3.36	6	290	0.5	2	0.68	< 0.5	29	206	28	4.54	< 10	< 1	0.46	< 10	2.98	650	< 1
BB 3072	201	202	< 0.2	1.87	8	70	< 0.5	< 2	0.23	< 0.5	15	96	21	3.07	< 10	< 1	0.08	< 10	1.45	370	1
BB 3073	201	202	0.2	2.37	< 2	80	< 0.5	< 2	0.37	< 0.5	22	132	33	3.36	< 10	< 1	0.11	< 10	1.88	515	< 1
BB 3074	201	202	< 0.2	2.04	2	40	< 0.5	< 2	0.22	< 0.5	15	98	16	2.78	< 10	< 1	0.03	< 10	1.83	260	< 1
BB 3075	201	202	< 0.2	2.44	8	200	< 0.5	< 2	0.48	< 0.5	21	110	34	3.75	< 10	< 1	0.14	< 10	1.98	770	1
BB 3076	201	202	0.2	3.40	6	420	1.0	< 2	0.45	< 0.5	14	51	171	3.55	< 10	< 1	0.15	10	1.57	715	< 1
BB 3077	201	202	< 0.2	0.82	< 2	50	0.5	< 2	0.14	< 0.5	3	8	3	1.16	< 10	< 1	0.10	10	0.19	210	< 1
BB 3078	201	202	< 0.2	1.35	2	40	1.0	< 2	0.13	< 0.5	4	13	6	1.74	< 10	< 1	0.10	20	0.29	240	1
BB 3079	201	202	0.2	1.84	6	240	0.5	< 2	0.15	< 0.5	6	46	29	2.73	< 10	< 1	0.11	10	0.51	360	4
BB 3080	201	202	< 0.2	1.39	2	90	1.5	< 2	0.12	< 0.5	6	22	23	2.15	< 10	< 1	0.14	20	0.39	430	4

CERTIFICATION: Stan Bidder

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SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB 3041	201	202	< 0.01	20	580	18	< 2	3	15	0.07	< 10	< 10	38	< 10	76
BB 3042	201	202	< 0.01	11	330	26	< 2	1	14	0.04	< 10	< 10	20	< 10	124
BB 3043	201	202	< 0.01	29	710	16	< 2	3	14	0.08	< 10	< 10	65	< 10	104
BB 3044	201	202	< 0.01	34	890	22	< 2	5	21	0.11	< 10	< 10	69	< 10	96
BB 3045	201	202	< 0.01	73	780	30	< 2	7	42	0.11	< 10	< 10	90	< 10	132
BB 3046	201	202	< 0.01	48	1210	14	< 2	4	9	0.06	< 10	< 10	136	< 10	112
BB 3047	201	202	< 0.01	56	1470	14	< 2	2	7	0.03	< 10	< 10	83	< 10	178
BB 3048	201	202	< 0.01	57	1140	10	< 2	7	22	0.07	< 10	< 10	104	< 10	166
BB 3049	201	202	0.02	27	730	10	< 2	1	7	0.01	< 10	< 10	61	< 10	88
BB 3050	201	202	< 0.01	45	530	12	< 2	3	6	0.03	< 10	< 10	90	< 10	140
BB 3051	201	202	< 0.01	87	1030	8	< 2	7	18	0.07	< 10	< 10	125	< 10	138
BB 3052	201	202	< 0.01	90	1410	10	< 2	8	24	0.06	< 10	< 10	88	< 10	130
BB 3053	201	202	< 0.01	43	990	12	< 2	3	7	0.01	< 10	< 10	66	< 10	126
BB 3054	201	202	< 0.01	72	840	14	< 2	3	9	0.01	< 10	< 10	55	< 10	162
BB 3055	201	202	< 0.01	60	910	12	2	3	10	0.01	< 10	< 10	58	< 10	140
BB 3056	201	202	< 0.01	73	640	10	< 2	3	5	0.01	< 10	< 10	54	< 10	156
BB 3057	201	202	< 0.01	35	370	8	< 2	1	11	0.01	< 10	< 10	50	< 10	100
BB 3058	201	202	< 0.01	47	860	12	< 2	4	15	0.03	< 10	< 10	58	< 10	122
BB 3059	201	202	< 0.01	167	1180	12	< 2	5	7	< 0.01	< 10	< 10	60	< 10	296
BB 3060	201	202	< 0.01	61	1200	16	< 2	5	8	< 0.01	< 10	< 10	50	< 10	132
BB 3061	201	202	< 0.01	64	1150	4	< 2	6	28	0.17	< 10	< 10	121	< 10	92
BB 3062	201	202	< 0.01	55	1880	28	< 2	3	26	0.02	< 10	< 10	71	< 10	198
BB 3063	201	202	< 0.01	41	1050	2	< 2	4	28	0.17	< 10	< 10	134	< 10	72
BB 3064	201	202	< 0.01	51	1170	2	< 2	3	21	0.17	< 10	< 10	121	< 10	72
BB 3065	201	202	0.01	19	840	< 2	< 2	3	16	0.10	< 10	< 10	97	< 10	46
BB 3066	201	202	< 0.01	27	540	< 2	< 2	3	17	0.27	< 10	< 10	83	< 10	42
BB 3067	201	202	< 0.01	26	1300	4	< 2	3	22	0.10	< 10	< 10	106	< 10	62
BB 3068	201	202	< 0.01	47	1430	2	< 2	6	29	0.14	< 10	< 10	171	< 10	110
BB 3069	201	202	< 0.01	42	1280	2	< 2	5	25	0.12	< 10	< 10	129	< 10	96
BB 3070	201	202	< 0.01	110	1230	< 2	< 2	8	31	0.13	< 10	< 10	144	< 10	118
BB 3071	201	202	< 0.01	97	1320	2	< 2	5	28	0.19	< 10	< 10	133	< 10	106
BB 3072	201	202	0.01	47	720	6	< 2	3	15	0.10	< 10	< 10	77	< 10	64
BB 3073	201	202	< 0.01	69	1000	2	< 2	3	19	0.11	< 10	< 10	83	< 10	84
BB 3074	201	202	< 0.01	43	460	4	< 2	2	15	0.12	< 10	< 10	84	< 10	58
BB 3075	201	202	< 0.01	58	1130	6	< 2	4	23	0.15	< 10	< 10	89	< 10	92
BB 3076	201	202	0.03	22	840	18	< 2	6	57	0.13	< 10	< 10	104	< 10	118
BB 3077	201	202	0.03	5	1080	16	< 2	< 1	10	< 0.01	< 10	< 10	12	< 10	64
BB 3078	201	202	0.01	10	850	22	< 2	< 1	8	0.01	< 10	< 10	20	< 10	70
BB 3079	201	202	0.01	20	1150	14	< 2	1	12	0.06	< 10	< 10	94	< 10	68
BB 3080	201	202	0.01	19	710	20	< 2	1	8	0.03	< 10	< 10	50	< 10	86

CERTIFICATION: [signature]

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SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
BB 3081	201	202	0.8	2.90	2	120	1.5	< 2	0.20	0.5	4	92	76	6.25	10	< 1	0.07	20	0.51	490	28
BB 3082	201	202	0.2	1.68	6	70	0.5	< 2	0.13	< 0.5	4	23	16	2.01	< 10	< 1	0.07	10	0.30	410	5
BB 3083	201	202	< 0.2	1.20	< 2	60	1.0	< 2	0.20	< 0.5	3	13	6	1.37	< 10	< 1	0.08	10	0.18	350	4
BB 3084	201	202	< 0.2	1.63	< 2	120	1.0	< 2	0.13	0.5	6	28	14	2.21	< 10	< 1	0.13	20	0.57	300	5
BB 3085	201	202	< 0.2	1.24	2	60	0.5	< 2	0.10	< 0.5	3	15	6	1.97	< 10	< 1	0.09	20	0.18	165	1
BB 3086	201	202	< 0.2	1.38	< 2	120	1.0	< 2	0.12	< 0.5	4	12	8	1.58	< 10	< 1	0.11	10	0.19	620	1
BB 3087	201	202	< 0.2	1.47	6	70	0.5	< 2	0.10	< 0.5	4	13	10	2.35	< 10	< 1	0.10	30	0.44	480	1
BB 3088	201	202	< 0.2	1.40	4	100	0.5	< 2	0.12	< 0.5	5	17	19	2.21	< 10	< 1	0.12	10	0.39	325	4
BB 3089	201	202	< 0.2	2.08	2	250	1.0	< 2	0.36	< 0.5	7	19	18	2.52	< 10	< 1	0.12	20	0.86	530	< 1
BB 3090	201	202	< 0.2	2.58	< 2	330	1.0	< 2	0.29	< 0.5	8	32	19	3.07	10	< 1	0.09	10	1.14	490	< 1
BB 3091	201	202	< 0.2	2.58	8	390	1.5	< 2	0.33	< 0.5	11	34	36	3.19	< 10	1	0.16	30	0.94	465	2
BB 3092	201	202	< 0.2	2.58	4	290	1.0	< 2	0.43	< 0.5	8	24	33	2.52	< 10	< 1	0.09	30	0.90	320	1
BB 3093	201	202	0.2	2.18	4	250	0.5	< 2	0.58	< 0.5	7	26	36	2.41	< 10	< 1	0.09	10	0.78	410	3
BB 3094	201	202	< 0.2	3.07	2	480	0.5	2	0.55	< 0.5	13	32	59	3.32	< 10	< 1	0.25	20	1.31	675	< 1
BB 3095	201	202	0.2	2.53	2	320	0.5	< 2	0.38	< 0.5	11	34	56	3.70	10	< 1	0.10	10	0.93	930	< 1
BB 3096	201	202	< 0.2	3.50	6	350	1.5	2	0.44	0.5	13	40	47	4.03	10	< 1	0.19	30	1.26	800	< 1
BB 3097	201	202	< 0.2	3.62	6	440	0.5	2	0.56	< 0.5	13	37	67	3.50	10	< 1	0.27	20	1.80	540	< 1
BB 3098	201	202	< 0.2	3.03	6	460	1.5	2	0.53	< 0.5	11	25	42	3.38	< 10	< 1	0.23	30	1.39	615	1
BB 3099	201	202	< 0.2	2.27	8	130	1.0	< 2	0.16	< 0.5	5	18	11	2.23	< 10	< 1	0.17	40	1.12	255	1
BB 3100	201	202	< 0.2	2.10	2	130	0.5	< 2	0.12	< 0.5	4	30	17	2.28	< 10	< 1	0.16	30	0.90	295	3
BB 3101	201	202	< 0.2	1.81	4	90	0.5	< 2	0.07	< 0.5	5	21	16	2.20	< 10	< 1	0.08	20	0.74	285	2
BB 3102	201	202	< 0.2	2.30	2	80	1.5	< 2	0.40	< 0.5	4	8	9	1.87	< 10	< 1	0.14	40	1.18	360	< 1
BB 3103	201	202	< 0.2	2.34	< 2	160	2.0	< 2	0.41	< 0.5	6	17	18	2.53	< 10	< 1	0.16	40	1.30	420	< 1
BB 3104	201	202	< 0.2	1.76	6	220	3.0	< 2	0.26	< 0.5	6	20	19	2.28	< 10	< 1	0.10	40	0.79	450	< 1
BB 3105	201	202	< 0.2	1.40	< 2	50	1.0	< 2	0.07	< 0.5	4	16	10	1.97	< 10	< 1	0.08	10	0.49	530	1
BB 3106	201	202	< 0.2	1.44	4	70	1.5	< 2	0.20	< 0.5	5	19	14	1.90	< 10	< 1	0.10	20	0.43	555	1
BB 3107	201	202	0.6	3.17	2	150	3.0	2	0.37	1.5	16	65	70	3.87	10	< 1	0.14	30	0.86	590	12
BB 3108	201	202	< 0.2	1.05	4	30	0.5	2	0.15	< 0.5	3	14	3	1.34	< 10	< 1	0.13	20	0.40	380	< 1
BB 3109	201	202	0.2	3.76	2	100	2.0	< 2	0.16	0.5	9	61	24	3.71	< 10	< 1	0.10	20	0.72	555	5
BB 3110	201	202	< 0.2	2.30	2	250	2.5	< 2	0.22	< 0.5	10	32	26	3.73	< 10	< 1	0.26	30	0.68	445	3
BB 3111	201	202	1.2	5.07	< 2	210	1.5	< 2	0.65	1.5	9	81	70	3.05	10	< 1	0.20	20	1.09	305	7
BB 3112	201	202	0.2	2.89	8	160	1.0	2	0.33	0.5	8	89	69	3.46	10	1	0.25	20	1.51	565	11
BB 3113	201	202	0.2	3.16	6	120	0.5	< 2	0.15	0.5	7	60	38	3.28	< 10	< 1	0.12	10	0.92	400	8
BB 3114	201	202	0.2	3.23	2	180	1.0	2	0.29	0.5	8	91	54	3.55	10	< 1	0.33	10	1.94	525	9
BB 3115	201	202	0.2	2.65	< 2	90	1.5	2	0.28	< 0.5	8	89	43	3.16	10	< 1	0.22	10	2.07	385	3
BB 3116	201	202	1.2	3.14	6	80	0.5	2	0.18	< 0.5	5	72	39	3.15	10	< 1	0.24	10	1.42	200	1
BB 3117	201	202	1.0	4.15	< 2	50	3.0	< 2	0.92	2.0	20	63	115	3.52	10	< 1	0.15	20	1.56	495	17
BB 3118	201	202	0.8	3.18	2	150	1.0	< 2	0.26	0.5	14	61	82	4.38	10	< 1	0.16	20	1.24	450	16
BB 3119	201	202	0.6	3.10	2	220	0.5	< 2	0.17	< 0.5	6	77	65	5.82	10	< 1	0.23	20	1.15	540	25
BB 3120	201	202	0.8	3.46	2	80	2.5	2	0.10	0.5	14	68	52	5.09	10	< 1	0.14	10	1.33	1030	17

CERTIFICATION:

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CERTIFICATE OF ANALYSIS A9626934

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 3081	201	202	0.01	21	2080	16	< 2	3	16	0.09	< 10	< 10	277	< 10	80
BB 3082	201	202	0.04	11	880	14	< 2	1	12	0.04	< 10	< 10	73	< 10	56
BB 3083	201	202	0.02	6	1500	26	< 2	< 1	11	< 0.01	< 10	< 10	28	< 10	56
BB 3084	201	202	< 0.01	19	1030	24	< 2	< 1	12	0.01	< 10	< 10	50	< 10	134
BB 3085	201	202	< 0.01	8	720	16	< 2	< 1	11	0.01	< 10	< 10	30	< 10	60
BB 3086	201	202	0.01	7	1310	26	< 2	< 1	16	< 0.01	< 10	< 10	23	< 10	62
BB 3087	201	202	0.01	9	730	18	< 2	< 1	8	0.01	< 10	< 10	22	< 10	76
BB 3088	201	202	0.01	15	960	22	< 2	< 1	11	0.01	< 10	< 10	37	< 10	68
BB 3089	201	202	0.03	9	1050	18	< 2	3	30	0.06	< 10	< 10	46	< 10	76
BB 3090	201	202	0.01	18	890	16	2	3	43	0.09	< 10	< 10	67	< 10	92
BB 3091	201	202	0.01	29	980	14	2	5	43	0.09	< 10	< 10	71	< 10	98
BB 3092	201	202	0.01	15	1030	12	< 2	4	35	0.09	< 10	< 10	57	< 10	56
BB 3093	201	202	0.04	13	1120	14	2	4	54	0.08	< 10	< 10	65	< 10	64
BB 3094	201	202	0.04	18	1000	10	< 2	7	48	0.15	< 10	< 10	84	< 10	88
BB 3095	201	202	0.01	15	990	20	< 2	3	44	0.08	< 10	< 10	110	< 10	82
BB 3096	201	202	< 0.01	19	1100	20	< 2	6	43	0.17	< 10	< 10	104	< 10	96
BB 3097	201	202	0.01	21	530	14	< 2	9	54	0.18	< 10	< 10	102	< 10	72
BB 3098	201	202	0.01	19	980	20	< 2	6	49	0.13	< 10	< 10	63	< 10	112
BB 3099	201	202	< 0.01	13	550	16	< 2	2	16	0.09	< 10	< 10	37	< 10	86
BB 3100	201	202	< 0.01	17	820	18	< 2	2	12	0.08	< 10	< 10	73	< 10	80
BB 3101	201	202	0.01	12	500	20	< 2	1	8	0.03	< 10	< 10	44	< 10	88
BB 3102	201	202	0.01	6	520	34	< 2	1	24	0.06	< 10	< 10	14	< 10	92
BB 3103	201	202	< 0.01	12	850	30	< 2	4	30	0.12	< 10	< 10	40	< 10	120
BB 3104	201	202	0.01	14	760	60	< 2	3	11	0.01	< 10	< 10	28	< 10	142
BB 3105	201	202	0.01	10	670	26	< 2	< 1	5	0.01	< 10	< 10	22	< 10	86
BB 3106	201	202	0.01	14	960	28	< 2	1	11	0.03	< 10	< 10	39	< 10	92
BB 3107	201	202	0.03	67	1090	16	< 2	5	43	0.09	< 10	< 10	149	< 10	272
BB 3108	201	202	0.01	9	590	14	< 2	1	4	0.05	< 10	< 10	17	< 10	60
BB 3109	201	202	< 0.01	22	1160	26	2	3	14	0.07	< 10	< 10	92	< 10	104
BB 3110	201	202	< 0.01	30	640	38	< 2	5	21	0.01	< 10	10	43	< 10	98
BB 3111	201	202	0.01	54	940	6	2	6	82	0.11	< 10	< 10	158	< 10	150
BB 3112	201	202	< 0.01	48	1020	14	< 2	8	22	0.14	< 10	< 10	209	< 10	146
BB 3113	201	202	< 0.01	30	940	14	< 2	5	20	0.09	< 10	< 10	127	< 10	114
BB 3114	201	202	< 0.01	41	890	10	< 2	9	14	0.15	< 10	< 10	198	< 10	154
BB 3115	201	202	< 0.01	43	420	10	< 2	8	12	0.21	< 10	< 10	133	< 10	148
BB 3116	201	202	< 0.01	36	760	12	< 2	5	13	0.21	< 10	< 10	99	< 10	94
BB 3117	201	202	< 0.01	133	630	14	< 2	6	34	0.03	< 10	< 10	161	< 10	540
BB 3118	201	202	0.01	61	990	8	< 2	6	26	0.09	< 10	< 10	158	< 10	226
BB 3119	201	202	0.01	28	1150	20	< 2	7	23	0.09	< 10	< 10	257	< 10	140
BB 3120	201	202	< 0.01	38	930	80	< 2	5	12	0.01	< 10	10	160	< 10	254

CERTIFICATION: Ian Bichler

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CERTIFICATE OF ANALYSIS A9626934

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 3121	201	202	2.2	4.47	< 2	60	2.0	< 2	1.26	3.5	29	62	198	4.60	10	< 1	0.18	30	1.52	945	28
BB 3122	201	202	1.6	3.08	< 2	230	2.0	< 2	0.16	1.5	43	54	225	5.64	< 10	< 1	0.26	40	1.39	1305	19
BB 3123	201	202	0.2	1.60	< 2	120	4.5	2	0.65	0.5	5	12	14	2.05	< 10	< 1	0.20	30	0.37	535	1
BB 3124	201	202	1.0	3.71	< 2	130	2.0	< 2	0.38	0.5	16	55	88	4.29	< 10	1	0.13	30	1.12	425	10
BB 3125	201	202	0.6	2.79	< 2	90	0.5	< 2	0.31	< 0.5	7	26	49	2.52	< 10	< 1	0.10	30	0.49	125	10
BB 3126	201	202	0.8	2.73	< 2	80	1.5	< 2	0.08	0.5	18	56	98	5.79	< 10	< 1	0.12	30	0.91	805	23
BB 3127	201	202	0.6	3.00	< 2	230	1.0	< 2	0.21	< 0.5	10	51	108	5.76	< 10	< 1	0.64	10	1.02	245	11
BB 3128	201	202	< 0.2	3.87	< 2	110	1.0	< 2	0.99	< 0.5	18	38	86	4.58	< 10	< 1	0.30	20	0.79	285	5
BB 3129	201	202	0.6	3.05	< 2	250	1.0	< 2	0.08	0.5	9	52	78	6.69	< 10	< 1	0.51	20	1.03	400	8
BB 3130	201	202	< 0.2	2.92	< 2	170	1.0	< 2	1.30	< 0.5	18	46	238	3.12	< 10	< 1	0.21	10	1.17	380	< 1
BB 3131	201	202	< 0.2	3.38	< 2	90	1.5	< 2	1.67	< 0.5	20	62	659	3.54	< 10	< 1	0.17	< 10	1.45	465	< 1
BB 3132	201	202	< 0.2	4.24	< 2	90	1.0	< 2	2.70	< 0.5	12	36	186	2.16	< 10	< 1	0.15	< 10	0.81	715	< 1
BB 3133	201	202	0.6	2.99	< 2	300	2.0	< 2	1.03	1.0	23	42	100	4.55	< 10	< 1	0.27	30	1.16	760	7
BB 3134	201	202	2.8	2.54	< 2	250	3.0	< 2	0.89	0.5	23	43	126	5.47	< 10	< 1	0.19	40	0.67	910	< 1
BB 3135	201	202	< 0.2	3.69	< 2	140	3.5	< 2	1.92	0.5	18	45	136	3.44	< 10	< 1	0.16	30	0.97	565	2
BB 3136	201	202	< 0.2	4.23	< 2	70	2.5	< 2	2.38	< 0.5	15	54	105	2.84	10	< 1	0.14	30	1.23	450	< 1
BB 3137	201	202	< 0.2	4.59	< 2	1060	2.0	< 2	1.96	0.5	15	43	214	3.70	10	< 1	0.36	30	2.11	640	< 1
BB 3138	201	202	< 0.2	4.21	2	850	1.5	< 2	1.36	< 0.5	17	22	90	4.39	10	< 1	0.85	20	2.51	765	< 1
BB 3139	201	202	< 0.2	3.14	2	140	0.5	< 2	0.49	< 0.5	11	44	90	3.12	< 10	< 1	0.09	10	1.01	375	1
BB 3140	201	202	< 0.2	3.27	< 2	130	0.5	< 2	0.61	0.5	11	43	51	2.78	< 10	< 1	0.09	10	0.77	285	< 1
BB 3141	201	202	< 0.2	3.63	2	60	0.5	< 2	2.20	< 0.5	10	32	72	1.85	< 10	< 1	0.13	< 10	0.79	245	< 1
BB 3142	201	202	< 0.2	2.73	< 2	160	0.5	< 2	0.65	< 0.5	14	42	64	2.92	< 10	< 1	0.17	10	1.22	370	< 1
BB 3143	201	202	< 0.2	2.17	< 2	60	0.5	< 2	0.56	< 0.5	10	30	39	2.13	< 10	< 1	0.09	< 10	0.89	255	< 1
BB 3144	201	202	< 0.2	4.88	< 2	90	1.5	< 2	3.14	< 0.5	10	31	116	1.80	< 10	< 1	0.22	< 10	0.74	270	< 1
BB 3145	201	202	< 0.2	4.33	< 2	150	2.0	< 2	2.20	0.5	15	47	141	2.86	< 10	< 1	0.17	10	0.82	635	1
BB 3146	201	202	< 0.2	3.92	< 2	40	4.0	< 2	2.25	< 0.5	9	32	164	1.83	< 10	< 1	0.14	10	0.68	395	< 1
BB 3147	201	202	< 0.2	4.16	< 2	80	2.0	< 2	2.56	< 0.5	12	34	167	2.26	< 10	< 1	0.17	10	0.90	550	< 1
BB 3148	201	202	< 0.2	3.24	< 2	180	2.0	< 2	0.80	1.5	25	42	185	4.36	< 10	< 1	0.25	20	1.12	590	7
BB 3149	201	202	0.6	2.56	< 2	270	2.0	< 2	1.39	0.5	12	35	90	2.89	< 10	< 1	0.12	30	0.77	710	6
BB 3150	201	202	< 0.2	3.10	< 2	410	1.5	< 2	1.02	< 0.5	13	40	82	2.88	< 10	< 1	0.26	10	1.24	420	< 1
BB 3151	201	202	0.2	4.18	< 2	120	1.5	< 2	0.16	0.5	6	47	24	3.40	< 10	1	0.12	10	0.61	245	1
BB 3152	201	202	0.2	2.91	< 2	180	1.5	< 2	0.23	< 0.5	7	42	19	3.14	< 10	< 1	0.19	20	0.92	365	2
BB 3153	201	202	< 0.2	2.42	2	140	1.0	< 2	0.21	0.5	13	45	32	3.74	< 10	< 1	0.22	10	1.01	440	2
BB 3154	201	202	< 0.2	1.87	< 2	130	1.0	< 2	0.26	< 0.5	4	17	10	2.15	< 10	< 1	0.25	20	0.79	265	< 1
BB 3155	201	202	< 0.2	2.08	6	120	0.5	< 2	0.12	< 0.5	5	26	7	2.69	< 10	< 1	0.29	20	1.18	270	1
BB 3156	201	202	< 0.2	1.85	< 2	130	0.5	< 2	0.50	< 0.5	12	55	15	2.48	< 10	1	0.21	10	1.36	210	2
BB 3157	201	202	< 0.2	2.13	< 2	100	0.5	< 2	0.49	< 0.5	10	34	16	2.55	< 10	< 1	0.18	30	1.38	230	1
BB 3158	201	202	0.6	2.58	< 2	160	0.5	< 2	0.86	< 0.5	28	37	30	3.85	< 10	1	0.10	30	1.12	1530	14
BB 3159	201	202	< 0.2	2.57	< 2	110	0.5	< 2	0.37	< 0.5	16	37	24	3.43	< 10	< 1	0.20	10	1.49	705	1
BB 3160	201	202	< 0.2	2.71	< 2	190	0.5	< 2	0.37	0.5	15	50	33	3.46	< 10	< 1	0.38	10	1.25	430	1

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BB 3121	201	202	0.01	94	1040	18	< 2	9	54	0.05	< 10	< 10	187	< 10	462
BB 3122	201	202	0.01	85	1060	28	< 2	10	9	0.01	< 10	< 10	125	< 10	304
BB 3123	201	202	0.01	14	840	88	< 2	1	23	< 0.01	< 10	30	16	< 10	162
BB 3124	201	202	< 0.01	56	890	16	< 2	5	21	0.07	< 10	< 10	112	< 10	192
BB 3125	201	202	0.02	33	1150	10	< 2	1	23	0.04	< 10	< 10	46	< 10	68
BB 3126	201	202	< 0.01	51	1170	22	< 2	5	8	< 0.01	< 10	< 10	159	< 10	170
BB 3127	201	202	0.02	33	1110	14	< 2	8	24	0.10	< 10	< 10	89	< 10	84
BB 3128	201	202	0.01	50	890	14	< 2	6	49	0.04	< 10	< 10	59	< 10	114
BB 3129	201	202	0.03	28	1100	18	< 2	7	28	0.06	< 10	< 10	92	< 10	136
BB 3130	201	202	< 0.01	29	760	8	< 2	5	71	0.15	< 10	< 10	86	< 10	68
BB 3131	201	202	< 0.01	30	660	10	< 2	6	95	0.18	< 10	< 10	107	< 10	76
BB 3132	201	202	< 0.01	19	650	8	2	3	225	0.10	< 10	< 10	61	< 10	50
BB 3133	201	202	0.01	50	910	24	< 2	9	67	0.04	< 10	< 10	90	< 10	150
BB 3134	201	202	0.01	32	770	20	< 2	19	56	< 0.01	< 10	< 10	109	< 10	98
BB 3135	201	202	0.01	32	560	24	< 2	7	109	0.08	< 10	< 10	75	< 10	82
BB 3136	201	202	0.01	23	690	12	2	9	152	0.11	< 10	< 10	97	< 10	58
BB 3137	201	202	0.03	17	770	30	< 2	11	199	0.13	< 10	< 10	87	< 10	152
BB 3138	201	202	0.01	14	610	16	< 2	12	85	0.19	< 10	< 10	114	< 10	106
BB 3139	201	202	0.01	26	770	14	< 2	4	45	0.08	< 10	< 10	82	< 10	70
BB 3140	201	202	0.01	19	690	12	< 2	3	51	0.11	< 10	< 10	75	< 10	68
BB 3141	201	202	0.01	15	680	6	< 2	4	188	0.09	< 10	< 10	59	< 10	42
BB 3142	201	202	< 0.01	27	830	18	< 2	5	41	0.13	< 10	< 10	79	< 10	84
BB 3143	201	202	0.02	16	740	10	< 2	3	33	0.10	< 10	< 10	57	< 10	60
BB 3144	201	202	0.01	14	580	8	2	5	251	0.06	< 10	< 10	54	< 10	36
BB 3145	201	202	0.01	30	750	12	< 2	7	188	0.05	< 10	< 10	72	< 10	68
BB 3146	201	202	0.01	13	770	8	< 2	5	193	0.06	< 10	< 10	56	< 10	42
BB 3147	201	202	0.01	16	590	12	14	5	169	0.09	< 10	< 10	67	< 10	56
BB 3148	201	202	0.01	52	930	16	< 2	6	57	0.09	< 10	< 10	90	< 10	162
BB 3149	201	202	0.02	28	1210	12	< 2	6	67	0.02	< 10	10	72	< 10	92
BB 3150	201	202	0.02	20	770	10	< 2	7	67	0.15	< 10	< 10	90	< 10	58
BB 3151	201	202	< 0.01	13	1070	14	< 2	5	10	0.10	< 10	< 10	74	< 10	50
BB 3152	201	202	< 0.01	17	640	14	< 2	5	13	0.09	< 10	< 10	68	< 10	72
BB 3153	201	202	< 0.01	27	780	18	< 2	5	10	0.11	< 10	< 10	70	< 10	94
BB 3154	201	202	< 0.01	7	510	14	< 2	3	9	0.06	< 10	< 10	26	< 10	74
BB 3155	201	202	< 0.01	11	260	12	< 2	4	8	0.13	< 10	< 10	40	< 10	72
BB 3156	201	202	< 0.01	30	990	6	< 2	5	15	0.13	< 10	< 10	74	< 10	108
BB 3157	201	202	< 0.01	17	590	20	< 2	4	17	0.11	< 10	< 10	61	< 10	102
BB 3158	201	202	0.01	17	1740	6	< 2	8	25	0.11	< 10	< 10	152	< 10	56
BB 3159	201	202	< 0.01	20	1670	12	< 2	4	15	0.11	< 10	< 10	92	< 10	94
BB 3160	201	202	< 0.01	21	1560	32	< 2	4	27	0.12	< 10	< 10	82	< 10	116

CERTIFICATION: Stan Roberts

Chemex Labs Ltd.

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To: EXPATRIATE RESOURCES LTD.
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Project : HAT TRICK
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CERTIFICATE OF ANALYSIS A9626934

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 3161	201	202	< 0.2	2.47	< 2	180	0.5	< 2	0.34	0.5	14	49	31	3.44	< 10	1	0.46	10	1.44	420	1
BB 3162	201	202	< 0.2	2.54	6	180	0.5	< 2	0.22	0.5	13	33	75	3.62	< 10	1	0.38	20	1.54	450	1
BB 3163	201	202	< 0.2	2.70	26	70	1.5	< 2	0.32	< 0.5	19	42	66	3.35	< 10	< 1	0.10	30	1.14	445	4
BB 3164	201	202	< 0.2	2.50	< 2	180	1.5	< 2	0.85	< 0.5	12	36	61	3.10	< 10	< 1	0.12	20	0.94	360	4
BB 3165	201	202	< 0.2	2.18	< 2	180	0.5	< 2	0.38	< 0.5	11	42	33	3.57	10	< 1	0.19	10	1.12	285	1
BB 3166	201	202	0.6	1.88	< 2	270	0.5	< 2	0.39	< 0.5	7	29	20	2.09	< 10	< 1	0.21	20	0.95	230	1
BB 3167	201	202	< 0.2	3.00	4	220	1.0	< 2	0.23	< 0.5	10	52	33	3.65	< 10	< 1	0.21	10	1.30	370	1
BB 3168	201	202	< 0.2	4.29	2	570	1.5	< 2	0.51	< 0.5	15	51	72	4.13	10	1	0.32	30	1.61	525	1
BB 3169	201	202	< 0.2	2.93	< 2	210	1.0	< 2	0.47	< 0.5	14	56	33	3.48	< 10	1	0.22	60	1.45	365	3
BB 3170	201	202	< 0.2	2.03	< 2	140	0.5	< 2	0.46	< 0.5	10	46	18	2.75	< 10	< 1	0.11	20	1.23	385	3
BB 3171	201	202	< 0.2	2.54	2	150	0.5	< 2	0.39	< 0.5	10	38	30	2.68	< 10	< 1	0.14	40	1.30	265	1
BB 3172	201	202	< 0.2	2.50	< 2	160	0.5	< 2	0.48	< 0.5	11	41	31	2.71	< 10	< 1	0.08	30	1.33	270	1
BB 3173	201	202	< 0.2	1.80	2	90	< 0.5	< 2	0.37	< 0.5	9	29	21	3.01	< 10	< 1	0.13	< 10	0.91	305	1
BB 3174	201	202	< 0.2	1.89	2	120	0.5	< 2	0.26	< 0.5	9	37	18	2.34	< 10	< 1	0.22	< 10	1.04	280	1
BB 3175	201	202	< 0.2	2.21	2	150	0.5	< 2	0.17	< 0.5	8	24	15	2.23	< 10	< 1	0.23	10	0.66	650	< 1
BB 3176	201	202	< 0.2	2.94	< 2	160	0.5	< 2	0.16	0.5	14	33	49	3.78	< 10	< 1	0.42	10	1.34	760	< 1
BB 3177	201	202	0.2	1.86	2	240	0.5	< 2	0.15	0.5	22	30	48	2.15	< 10	< 1	0.27	10	0.68	1340	1
BB 3178	201	202	< 0.2	1.85	< 2	150	1.0	< 2	0.40	< 0.5	8	29	36	2.20	< 10	< 1	0.13	10	0.82	325	4
BB 3179	201	202	0.8	3.27	< 2	410	2.0	< 2	0.70	< 0.5	9	36	66	2.32	< 10	< 1	0.21	70	0.93	280	< 1
BB 3180	201	202	< 0.2	2.85	2	360	1.0	< 2	0.40	< 0.5	9	41	42	2.91	< 10	< 1	0.22	50	1.23	335	1
BB 3181	201	202	< 0.2	1.98	< 2	270	0.5	< 2	0.63	< 0.5	8	29	28	2.00	< 10	< 1	0.09	80	0.81	240	< 1
BB 3182	201	202	0.2	3.31	< 2	380	1.5	< 2	0.43	< 0.5	10	43	52	3.06	< 10	< 1	0.31	60	1.27	440	1
BB 3183	201	202	1.6	3.77	< 2	380	1.5	< 2	0.32	0.5	37	55	52	6.24	10	1	0.27	100	1.02	3780	7
BB 3184	201	202	0.2	4.88	6	400	2.0	< 2	0.17	< 0.5	19	75	98	5.37	10	1	0.34	80	1.65	810	3
BB 3185	201	202	< 0.2	1.66	< 2	80	< 0.5	< 2	0.31	< 0.5	7	32	11	2.41	< 10	< 1	0.10	10	0.94	195	< 1
BB 3186	201	202	< 0.2	2.23	< 2	110	0.5	< 2	0.34	< 0.5	12	42	17	3.18	< 10	< 1	0.10	40	1.41	315	1
BB 3187	201	202	< 0.2	1.69	< 2	100	0.5	< 2	0.54	< 0.5	7	17	23	2.47	< 10	< 1	0.12	30	0.66	420	3
BB 3188	201	202	< 0.2	3.28	2	140	0.5	< 2	0.29	< 0.5	17	71	35	3.85	< 10	< 1	0.35	< 10	1.94	490	1
BB 3189	201	202	< 0.2	2.83	< 2	140	0.5	< 2	0.25	0.5	14	47	30	3.03	< 10	1	0.24	10	1.33	355	1
BB 3190	201	202	< 0.2	2.26	8	220	0.5	< 2	0.13	< 0.5	9	46	21	2.94	< 10	< 1	0.22	30	0.68	355	2
BB 3191	201	202	< 0.2	2.19	2	190	0.5	< 2	0.14	< 0.5	7	47	20	2.48	< 10	1	0.20	20	0.94	310	< 1
BB 3192	201	202	< 0.2	1.79	2	290	0.5	< 2	0.14	< 0.5	5	46	17	2.23	< 10	< 1	0.37	20	0.87	240	< 1
BB 3193	201	202	< 0.2	2.68	< 2	70	< 0.5	< 2	0.69	< 0.5	13	84	95	1.26	< 10	< 1	0.04	< 10	0.98	160	< 1
BB 3194	201	202	< 0.2	1.57	< 2	50	< 0.5	< 2	0.17	< 0.5	10	106	45	1.82	< 10	< 1	0.01	< 10	1.33	260	< 1
BB 3195	201	202	< 0.2	3.85	< 2	120	< 0.5	< 2	0.35	< 0.5	17	178	207	3.14	< 10	< 1	0.03	< 10	1.91	730	< 1
BB 3196	201	202	< 0.2	2.03	2	90	< 0.5	< 2	0.18	< 0.5	17	217	33	2.91	< 10	< 1	0.04	< 10	1.36	315	< 1
BB 3197	201	202	< 0.2	2.28	< 2	90	< 0.5	< 2	0.23	< 0.5	19	261	109	2.71	< 10	< 1	0.05	< 10	1.80	380	< 1
BB 3198	201	202	0.2	2.58	< 2	230	1.5	< 2	0.10	< 0.5	14	43	54	3.95	10	< 1	0.19	10	0.61	1000	3
BB 3199	201	202	< 0.2	2.73	< 2	70	< 0.5	< 2	0.33	< 0.5	13	90	75	2.80	< 10	< 1	0.06	< 10	1.18	300	< 1
BB 3200	201	202	< 0.2	2.14	< 2	160	1.0	< 2	0.37	< 0.5	14	82	67	2.81	< 10	< 1	0.08	< 10	0.92	375	< 1

CERTIFICATION:

Chemex Labs Ltd.

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CERTIFICATE OF ANALYSIS A9626934

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 3161	201	202	< 0.01	21	1320	24	< 2	4	19	0.14	< 10	< 10	87	< 10	130
BB 3162	201	202	< 0.01	20	920	104	< 2	5	18	0.16	< 10	< 10	83	< 10	190
BB 3163	201	202	0.01	44	540	14	< 2	6	30	0.12	< 10	< 10	97	< 10	108
BB 3164	201	202	0.02	23	690	14	< 2	6	56	0.07	< 10	< 10	81	< 10	68
BB 3165	201	202	< 0.01	17	510	12	< 2	4	35	0.15	< 10	< 10	90	< 10	66
BB 3166	201	202	< 0.01	13	730	8	< 2	4	20	0.08	< 10	< 10	54	< 10	64
BB 3167	201	202	< 0.01	22	310	14	< 2	6	15	0.16	< 10	< 10	89	< 10	86
BB 3168	201	202	0.01	30	780	18	< 2	7	40	0.16	< 10	< 10	101	< 10	98
BB 3169	201	202	< 0.01	29	890	10	< 2	7	19	0.16	< 10	< 10	85	< 10	100
BB 3170	201	202	0.01	21	860	8	< 2	4	22	0.11	< 10	< 10	74	< 10	76
BB 3171	201	202	0.01	21	880	14	< 2	4	18	0.11	< 10	< 10	68	< 10	120
BB 3172	201	202	0.01	20	1360	10	< 2	3	19	0.07	< 10	< 10	73	< 10	158
BB 3173	201	202	0.01	13	1280	6	< 2	2	12	0.11	< 10	< 10	87	< 10	62
BB 3174	201	202	0.01	15	930	10	< 2	2	13	0.10	< 10	< 10	59	< 10	74
BB 3175	201	202	< 0.01	11	1520	14	< 2	< 1	14	0.06	< 10	< 10	53	< 10	70
BB 3176	201	202	< 0.01	19	1270	34	< 2	4	12	0.13	< 10	< 10	89	< 10	206
BB 3177	201	202	0.01	16	1230	40	< 2	1	17	0.05	< 10	< 10	46	< 10	88
BB 3178	201	202	< 0.01	22	790	8	< 2	3	25	0.07	< 10	< 10	54	< 10	74
BB 3179	201	202	0.02	25	1390	10	< 2	5	39	0.07	< 10	< 10	57	< 10	98
BB 3180	201	202	< 0.01	24	590	10	< 2	6	26	0.11	< 10	< 10	69	< 10	102
BB 3181	201	202	0.01	14	730	10	< 2	4	37	0.08	< 10	< 10	53	< 10	58
BB 3182	201	202	0.01	30	830	10	< 2	8	26	0.10	< 10	< 10	68	< 10	108
BB 3183	201	202	< 0.01	35	1230	18	< 2	7	24	0.08	< 10	10	161	< 10	134
BB 3184	201	202	< 0.01	72	1030	44	< 2	9	19	0.12	< 10	< 10	112	< 10	242
BB 3185	201	202	0.01	15	530	12	< 2	3	14	0.13	< 10	< 10	59	< 10	60
BB 3186	201	202	< 0.01	22	410	22	< 2	5	19	0.16	< 10	< 10	73	< 10	106
BB 3187	201	202	0.01	8	1050	20	< 2	2	16	0.03	< 10	< 10	49	< 10	88
BB 3188	201	202	< 0.01	24	1240	6	< 2	5	12	0.16	< 10	< 10	111	< 10	134
BB 3189	201	202	0.01	20	1210	6	< 2	4	15	0.13	< 10	< 10	89	< 10	90
BB 3190	201	202	< 0.01	23	990	14	< 2	1	15	0.06	< 10	< 10	64	< 10	78
BB 3191	201	202	< 0.01	27	750	14	< 2	3	13	0.08	< 10	< 10	57	< 10	78
BB 3192	201	202	< 0.01	28	700	12	< 2	3	11	0.07	< 10	< 10	52	< 10	76
BB 3193	201	202	0.01	27	300	6	< 2	3	13	0.02	< 10	< 10	34	< 10	30
BB 3194	201	202	0.01	30	240	2	< 2	3	4	0.02	< 10	< 10	52	< 10	38
BB 3195	201	202	0.01	62	630	2	< 2	8	11	0.03	< 10	< 10	94	< 10	56
BB 3196	201	202	< 0.01	164	460	4	< 2	4	8	0.07	< 10	< 10	64	< 10	52
BB 3197	201	202	0.01	211	440	6	< 2	5	9	0.09	< 10	< 10	76	< 10	66
BB 3198	201	202	< 0.01	22	690	56	< 2	2	9	0.04	< 10	< 10	44	< 10	246
BB 3199	201	202	< 0.01	58	780	8	< 2	4	18	0.12	< 10	< 10	83	< 10	72
BB 3200	201	202	< 0.01	39	950	6	< 2	3	21	0.12	< 10	< 10	90	< 10	56

CERTIFICATION: Hart Bichler

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SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
BB 3201	201	202	< 0.2	2.40	< 2	490	0.5	< 2	0.44	< 0.5	16	102	32	3.71	< 10	< 1	0.54	< 10	1.57	655	1
BB 3202	201	202	< 0.2	1.65	< 2	50	< 0.5	< 2	0.43	< 0.5	13	69	17	2.62	< 10	< 1	0.23	< 10	1.15	350	< 1
BB 3203	201	202	< 0.2	2.29	2	80	0.5	< 2	0.32	< 0.5	13	91	25	3.78	< 10	< 1	0.14	< 10	1.06	370	< 1
BB 3204	201	202	< 0.2	2.02	2	80	< 0.5	< 2	0.32	< 0.5	13	77	27	3.24	< 10	< 1	0.22	20	1.08	280	< 1
BB 3205	201	202	< 0.2	3.08	2	100	0.5	< 2	0.36	< 0.5	15	75	37	3.68	< 10	< 1	0.27	20	1.06	275	< 1
BB 3206	201	202	< 0.2	2.30	< 2	120	0.5	< 2	0.24	< 0.5	9	52	36	3.35	< 10	< 1	0.47	20	1.08	185	< 1
BB 3207	201	202	< 0.2	4.91	< 2	100	1.0	< 2	2.46	< 0.5	16	64	51	4.42	10	< 1	0.44	30	1.20	725	< 1
BB 3208	201	202	< 0.2	6.61	< 2	70	1.5	< 2	3.14	< 0.5	16	67	25	4.25	10	< 1	0.59	30	1.23	480	< 1
BB 3209	201	202	< 0.2	4.89	< 2	80	1.0	< 2	2.90	0.5	21	56	35	4.48	10	< 1	0.60	30	1.28	560	< 1
BB 3210	201	202	< 0.2	3.04	< 2	70	0.5	< 2	0.73	< 0.5	14	53	35	4.22	< 10	1	0.46	30	1.20	340	< 1
BB 3211	201	202	< 0.2	2.57	< 2	70	0.5	< 2	0.83	< 0.5	18	90	25	3.08	< 10	< 1	0.15	30	1.36	425	< 1
BB 3212	201	202	< 0.2	2.39	< 2	120	1.0	< 2	0.59	< 0.5	18	107	10	3.70	10	< 1	0.22	< 10	1.85	475	< 1
BB 3213	201	202	< 0.2	2.22	< 2	70	1.5	< 2	0.64	< 0.5	17	75	100	3.23	< 10	< 1	0.04	< 10	1.28	420	< 1
BB 3214	201	202	< 0.2	3.12	< 2	130	2.0	< 2	0.62	< 0.5	15	62	47	3.50	< 10	< 1	0.13	10	0.93	565	1
BB 3215	201	202	< 0.2	2.39	< 2	960	2.0	< 2	0.69	0.5	23	101	95	3.02	< 10	< 1	0.12	10	1.15	1220	< 1
BB 3216	201	202	0.2	3.46	2	270	0.5	2	0.10	< 0.5	16	253	38	4.69	10	< 1	0.20	10	2.05	620	2
BB 3217	201	202	< 0.2	2.09	< 2	40	1.5	< 2	0.73	< 0.5	11	41	204	1.94	< 10	< 1	0.07	< 10	1.34	195	< 1
BB 3218	201	202	< 0.2	2.32	< 2	40	0.5	< 2	0.50	< 0.5	12	78	89	2.44	< 10	< 1	0.05	< 10	1.33	375	< 1
BB 3219	201	202	< 0.2	2.40	< 2	40	< 0.5	< 2	0.39	< 0.5	13	116	121	2.27	< 10	1	0.05	< 10	1.28	265	< 1
BB 3220	201	202	< 0.2	1.89	< 2	50	0.5	< 2	0.43	< 0.5	12	105	76	2.18	< 10	< 1	0.05	< 10	1.31	320	< 1
BB 3221	201	202	< 0.2	2.04	< 2	230	< 0.5	< 2	0.52	< 0.5	17	102	13	2.87	< 10	< 1	0.32	< 10	1.60	405	< 1
BB 3222	201	202	< 0.2	2.16	< 2	180	0.5	< 2	0.29	< 0.5	11	74	17	3.87	10	< 1	0.39	10	1.21	355	< 1
BB 3223	201	202	< 0.2	2.39	4	190	< 0.5	< 2	0.23	< 0.5	10	71	25	3.79	< 10	< 1	0.23	10	1.30	350	< 1
BB 3224	201	202	< 0.2	2.89	12	240	< 0.5	< 2	0.22	< 0.5	19	104	43	4.39	< 10	< 1	0.31	10	1.55	595	1
BB 3225	201	202	< 0.2	1.38	< 2	70	< 0.5	< 2	0.11	< 0.5	6	31	11	2.66	< 10	< 1	0.08	< 10	0.69	215	1
BB 3226	201	202	< 0.2	1.50	< 2	110	< 0.5	< 2	0.11	< 0.5	8	47	18	3.04	< 10	< 1	0.07	< 10	0.80	280	2
BB 3227	201	202	< 0.2	1.03	< 2	210	< 0.5	< 2	0.16	< 0.5	5	34	21	2.20	< 10	< 1	0.14	< 10	0.48	145	1
BB 3228	201	202	< 0.2	1.18	8	100	< 0.5	< 2	0.08	< 0.5	6	34	22	2.16	< 10	< 1	0.08	< 10	0.57	150	1
BB 3229	201	202	< 0.2	1.52	16	160	< 0.5	< 2	0.07	< 0.5	7	57	31	3.84	< 10	1	0.19	10	0.61	305	2
BB 3230	201	202	0.2	2.41	88	330	< 0.5	< 2	0.25	< 0.5	22	280	49	4.28	< 10	< 1	0.35	20	2.04	680	1
BB 3231	201	202	< 0.2	2.40	4	180	< 0.5	< 2	0.17	< 0.5	11	76	42	4.08	< 10	< 1	0.17	10	1.09	455	1
BB 3232	201	202	< 0.2	2.30	4	220	< 0.5	< 2	0.20	< 0.5	11	75	30	3.86	< 10	1	0.31	10	1.19	490	2
BB 3233	201	202	< 0.2	2.18	6	240	< 0.5	< 2	0.15	< 0.5	9	60	49	4.18	< 10	1	0.29	20	0.93	440	3
BB 3234	201	202	< 0.2	2.32	< 2	230	< 0.5	< 2	0.23	< 0.5	17	90	43	4.10	< 10	< 1	0.34	10	1.17	810	3
BB 3235	201	202	0.2	2.57	76	200	< 0.5	< 2	0.39	0.5	39	935	46	3.75	< 10	< 1	0.20	10	3.09	1400	< 1
BB 3236	201	202	0.8	2.56	2	320	0.5	< 2	0.09	< 0.5	13	80	90	5.13	10	< 1	0.42	30	1.15	605	3
BB 3237	201	202	0.2	2.79	< 2	310	0.5	< 2	0.37	0.5	17	81	55	4.31	< 10	< 1	0.49	30	1.17	645	< 1
BB 3238	201	202	0.4	2.42	2	360	< 0.5	< 2	0.13	0.5	10	86	59	5.12	10	< 1	0.26	10	1.10	540	4
BB 3239	201	202	0.2	2.01	2	240	0.5	< 2	0.13	0.5	15	41	63	5.24	< 10	< 1	0.22	10	0.68	475	1
BB 3240	201	202	< 0.2	2.70	< 2	100	< 0.5	< 2	0.31	< 0.5	15	103	29	4.87	< 10	< 1	0.13	< 10	1.35	400	1

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SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB 3201	201	202	< 0.01	35	880	12	< 2	9	12	0.22	< 10	< 10	139	< 10	134
BB 3202	201	202	< 0.01	22	550	2	< 2	4	9	0.23	< 10	< 10	72	< 10	46
BB 3203	201	202	< 0.01	36	1030	10	< 2	3	18	0.22	< 10	< 10	92	< 10	60
BB 3204	201	202	< 0.01	52	760	16	2	4	23	0.13	< 10	< 10	49	< 10	54
BB 3205	201	202	< 0.01	44	920	12	< 2	5	36	0.13	< 10	< 10	63	< 10	82
BB 3206	201	202	0.01	23	640	4	< 2	5	28	0.11	< 10	< 10	60	< 10	52
BB 3207	201	202	0.17	36	510	14	< 2	11	564	0.17	< 10	< 10	63	< 10	96
BB 3208	201	202	0.34	32	380	12	2	10	838	0.16	< 10	< 10	56	< 10	102
BB 3209	201	202	0.13	43	500	12	< 2	10	502	0.15	< 10	< 10	52	< 10	110
BB 3210	201	202	0.04	36	490	8	< 2	6	143	0.14	< 10	< 10	43	< 10	82
BB 3211	201	202	< 0.01	39	870	8	< 2	5	29	0.22	< 10	< 10	64	< 10	62
BB 3212	201	202	< 0.01	35	570	2	< 2	6	20	0.29	< 10	< 10	105	< 10	52
BB 3213	201	202	< 0.01	45	700	6	< 2	6	32	0.19	< 10	< 10	101	< 10	68
BB 3214	201	202	< 0.01	38	600	14	< 2	6	41	0.17	< 10	< 10	98	< 10	94
BB 3215	201	202	< 0.01	126	530	36	< 2	6	66	0.10	< 10	< 10	90	< 10	234
BB 3216	201	202	< 0.01	97	590	188	2	6	13	0.22	< 10	< 10	134	< 10	222
BB 3217	201	202	0.03	29	100	< 2	< 2	6	11	0.07	< 10	< 10	68	< 10	48
BB 3218	201	202	0.03	37	340	12	< 2	5	10	0.05	< 10	< 10	71	< 10	64
BB 3219	201	202	0.01	52	560	6	< 2	4	10	0.05	< 10	< 10	59	< 10	52
BB 3220	201	202	0.02	49	290	8	2	5	8	0.04	< 10	< 10	57	< 10	46
BB 3221	201	202	< 0.01	41	890	2	< 2	5	18	0.16	< 10	< 10	81	< 10	76
BB 3222	201	202	< 0.01	35	560	8	< 2	4	15	0.25	< 10	< 10	80	< 10	116
BB 3223	201	202	< 0.01	30	760	16	< 2	6	12	0.17	< 10	< 10	93	< 10	96
BB 3224	201	202	< 0.01	56	400	10	< 2	7	13	0.19	< 10	< 10	125	< 10	112
BB 3225	201	202	< 0.01	13	290	20	< 2	3	8	0.14	< 10	< 10	68	< 10	62
BB 3226	201	202	< 0.01	22	350	16	< 2	3	9	0.17	< 10	< 10	97	< 10	70
BB 3227	201	202	< 0.01	14	420	6	< 2	2	7	0.13	< 10	< 10	75	< 10	46
BB 3228	201	202	< 0.01	19	320	10	< 2	1	6	0.07	< 10	< 10	81	< 10	42
BB 3229	201	202	< 0.01	35	490	14	< 2	3	6	0.11	< 10	< 10	123	< 10	92
BB 3230	201	202	< 0.01	198	770	12	< 2	7	18	0.10	< 10	< 10	89	< 10	132
BB 3231	201	202	< 0.01	35	610	8	< 2	5	11	0.14	< 10	< 10	123	< 10	88
BB 3232	201	202	< 0.01	36	830	16	< 2	5	15	0.14	< 10	< 10	118	< 10	108
BB 3233	201	202	< 0.01	36	920	14	< 2	4	19	0.10	< 10	< 10	108	< 10	120
BB 3234	201	202	< 0.01	54	910	12	< 2	6	17	0.14	< 10	< 10	117	< 10	108
BB 3235	201	202	< 0.01	345	420	6	< 2	12	20	0.06	< 10	< 10	86	< 10	92
BB 3236	201	202	< 0.01	73	1270	14	< 2	5	21	0.11	< 10	< 10	130	< 10	176
BB 3237	201	202	< 0.01	60	1070	12	< 2	6	28	0.12	< 10	< 10	94	< 10	128
BB 3238	201	202	< 0.01	56	1120	42	< 2	5	17	0.11	< 10	< 10	143	< 10	306
BB 3239	201	202	< 0.01	59	710	24	< 2	3	12	0.09	< 10	< 10	84	< 10	214
BB 3240	201	202	< 0.01	42	790	12	< 2	6	13	0.18	< 10	< 10	139	< 10	84

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BB 3241	201	202	< 0.2	3.43	< 2	160	0.5	< 2	0.87	< 0.5	31	185	44	4.01	< 10	< 1	0.23	10	2.12	475	< 1
BB 3242	201	202	< 0.2	2.83	< 2	120	< 0.5	< 2	0.54	0.5	19	124	32	4.17	< 10	< 1	0.16	10	1.76	430	< 1
BB 3243	201	202	0.2	3.92	< 2	220	0.5	< 2	1.30	0.5	38	93	70	5.02	10	< 1	0.26	10	1.73	855	2
BB 3244	201	202	0.6	3.37	< 2	350	0.5	< 2	0.73	1.0	22	69	104	5.71	10	< 1	0.62	50	1.87	995	5
BB 3245	201	202	< 0.2	3.01	< 2	250	0.5	< 2	0.49	0.5	14	68	49	3.62	< 10	< 1	0.38	20	1.62	410	1
BB 3246	201	202	< 0.2	2.63	12	430	0.5	< 2	0.70	0.5	20	88	72	4.18	< 10	< 1	0.55	50	1.74	680	1
BB 3247	201	202	< 0.2	1.94	< 2	170	< 0.5	< 2	0.31	0.5	14	54	32	3.00	< 10	< 1	0.17	10	0.93	595	6
BB 3248	201	202	< 0.2	1.76	< 2	280	< 0.5	< 2	0.35	0.5	12	52	30	2.88	< 10	< 1	0.46	10	1.29	500	2
BB 3249	201	202	0.2	2.28	2	290	0.5	< 2	0.40	0.5	15	71	35	3.73	< 10	1	0.43	20	1.56	600	1
BB 3250	201	202	< 0.2	3.19	6	290	1.0	< 2	0.52	0.5	20	26	35	6.17	10	< 1	0.31	20	1.33	1485	< 1

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BB 3241	201	202	< 0.01	108	1510	12	< 2	7	30	0.18	< 10	< 10	114	< 10	102
BB 3242	201	202	0.01	63	960	12	< 2	7	21	0.20	< 10	< 10	132	< 10	86
BB 3243	201	202	0.03	64	1100	10	< 2	11	54	0.14	< 10	< 10	144	< 10	100
BB 3244	201	202	0.03	66	910	100	< 2	8	45	0.12	< 10	< 10	112	< 10	376
BB 3245	201	202	0.01	45	830	18	< 2	7	23	0.17	< 10	< 10	89	< 10	122
BB 3246	201	202	0.01	66	990	22	< 2	9	39	0.16	< 10	< 10	93	< 10	124
BB 3247	201	202	0.01	29	1470	20	< 2	3	20	0.09	< 10	< 10	83	< 10	90
BB 3248	201	202	< 0.01	29	730	40	< 2	4	17	0.12	< 10	< 10	63	< 10	134
BB 3249	201	202	< 0.01	37	830	40	< 2	5	21	0.15	< 10	< 10	81	< 10	154
BB 3250	201	202	< 0.01	23	1140	10	< 2	11	19	0.14	< 10	< 10	129	< 10	112

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BB 2502	201	202	0.2	2.59	< 2	240	0.5	< 2	0.60	< 0.5	9	46	38	2.83	< 10	< 1	0.13	30	1.17	380	3
BB 2503	201	202	< 0.2	2.35	< 2	320	0.5	2	0.35	< 0.5	9	70	28	2.67	< 10	< 1	0.40	30	1.49	300	1
BB 2504	201	202	0.2	3.15	< 2	380	1.0	2	0.66	< 0.5	12	52	79	4.66	< 10	< 1	0.27	50	1.43	295	4
BB 2505	201	202	0.2	2.34	4	300	0.5	< 2	0.56	< 0.5	10	37	56	2.57	< 10	< 1	0.18	60	1.00	340	2
BB 2506	201	202	< 0.2	1.95	2	150	0.5	< 2	0.63	< 0.5	10	37	23	2.59	< 10	< 1	0.13	40	1.21	315	< 1
BB 2507	201	202	< 0.2	2.36	6	110	0.5	< 2	0.59	< 0.5	11	51	34	3.13	< 10	< 1	0.14	60	1.43	385	3
BB 2508	201	202	< 0.2	3.58	< 2	270	0.5	2	0.29	< 0.5	17	84	18	4.51	10	< 1	0.43	30	1.80	820	5
BB 2509	201	202	< 0.2	1.54	< 2	70	< 0.5	< 2	0.26	< 0.5	5	16	9	2.43	< 10	< 1	0.15	< 10	0.62	250	< 1
BB 2510	201	202	< 0.2	1.13	< 2	90	< 0.5	< 2	0.27	< 0.5	5	16	8	1.91	< 10	< 1	0.14	10	0.51	290	< 1
BB 2511	201	202	0.2	2.11	4	190	0.5	< 2	0.60	< 0.5	14	45	56	2.98	< 10	< 1	0.29	10	1.50	280	1
BB 2512	201	202	0.2	2.29	< 2	220	0.5	< 2	0.29	< 0.5	13	46	52	3.64	< 10	< 1	0.26	10	1.30	330	1
BB 2513	201	202	< 0.2	2.96	2	160	0.5	2	0.55	< 0.5	16	51	27	3.80	< 10	< 1	0.45	10	1.71	405	< 1
BB 2514	201	202	0.2	2.52	14	330	1.0	< 2	0.22	< 0.5	9	43	34	2.88	< 10	< 1	0.32	40	1.26	430	5
BB 2515	201	202	0.2	2.46	< 2	410	0.5	< 2	0.13	< 0.5	7	80	33	3.31	< 10	< 1	0.38	20	1.12	270	4
BB 2516	201	202	< 0.2	2.12	< 2	80	< 0.5	< 2	0.45	< 0.5	8	61	24	2.34	< 10	< 1	0.06	10	0.96	215	< 1
BB 2517	201	202	< 0.2	2.60	2	300	0.5	< 2	0.60	< 0.5	11	58	48	3.50	< 10	< 1	0.19	40	1.21	365	2
BB 2518	201	202	0.2	2.61	4	310	0.5	2	0.47	< 0.5	13	56	34	3.25	10	< 1	0.27	10	1.34	500	1
BB 2519	201	202	< 0.2	2.37	4	130	0.5	2	0.45	< 0.5	9	55	20	2.97	< 10	< 1	0.10	20	1.36	330	< 1
BB 2520	201	202	< 0.2	2.12	< 2	180	0.5	< 2	0.24	< 0.5	12	60	23	3.39	< 10	< 1	0.27	10	1.19	565	3
BB 2521	201	202	0.2	3.09	8	310	0.5	2	0.18	< 0.5	15	123	42	5.05	10	< 1	0.39	10	1.63	535	1
BB 2522	201	202	0.4	2.04	6	140	1.0	< 2	0.17	< 0.5	9	29	25	3.19	< 10	< 1	0.31	40	1.11	445	1
BB 2523	201	202	< 0.2	1.76	4	90	1.0	< 2	0.15	< 0.5	6	26	13	2.78	< 10	< 1	0.16	40	0.78	425	1
BB 2524	201	202	< 0.2	2.11	6	130	0.5	2	0.21	< 0.5	7	36	18	3.03	< 10	< 1	0.18	30	0.92	275	1
BB 2525	201	202	< 0.2	3.02	4	780	< 0.5	6	0.33	< 0.5	15	88	10	4.58	10	< 1	0.93	10	1.97	875	< 1
BB 2526	201	202	0.2	2.73	2	440	0.5	< 2	0.13	< 0.5	13	68	41	4.16	< 10	< 1	0.47	40	1.09	340	3
BB 2527	201	202	0.2	2.79	2	440	1.0	2	0.33	< 0.5	19	78	57	4.88	< 10	< 1	0.59	50	1.13	720	1
BB 2528	201	202	0.2	2.80	6	360	0.5	< 2	0.16	< 0.5	15	66	51	3.96	< 10	< 1	0.31	30	1.04	290	1
BB 2529	201	202	< 0.2	3.43	8	470	0.5	2	0.28	< 0.5	13	102	26	4.11	10	< 1	0.44	10	1.57	560	< 1
BB 2530	201	202	0.2	2.71	< 2	150	0.5	< 2	0.15	< 0.5	16	56	73	5.21	< 10	< 1	0.08	40	1.35	795	7
BB 2531	201	202	2.4	2.97	2	290	1.0	< 2	0.56	2.5	17	74	143	4.89	10	< 1	0.28	50	2.62	575	19
BB 2532	201	202	0.4	2.52	< 2	190	0.5	< 2	0.34	0.5	11	54	65	3.76	< 10	< 1	0.10	30	1.68	450	10
BB 2533	201	202	0.2	3.16	12	80	0.5	< 2	0.45	< 0.5	19	197	56	4.12	< 10	< 1	0.04	10	2.52	425	3
BB 2534	201	202	1.0	3.70	12	110	0.5	< 2	0.40	< 0.5	19	212	104	5.17	< 10	< 1	0.09	50	2.95	475	7
BB 2535	201	202	0.6	2.28	2	150	0.5	< 2	0.46	< 0.5	19	94	92	5.63	< 10	< 1	0.05	40	1.50	740	7
BB 2536	201	202	0.2	2.86	2	190	< 0.5	2	0.46	< 0.5	21	152	65	4.85	< 10	< 1	0.12	10	2.11	880	2
BB 2537	201	202	< 0.2	5.50	10	130	< 0.5	< 2	0.21	< 0.5	50	1050	31	6.69	10	< 1	0.02	10	5.38	1730	< 1
BB 2538	201	202	0.6	3.30	8	70	< 0.5	< 2	0.48	0.5	34	200	116	6.63	< 10	< 1	0.04	30	2.82	1310	7
BB 2539	201	202	1.2	2.61	2	240	0.5	< 2	0.12	0.5	28	54	141	7.77	< 10	< 1	0.06	10	1.62	715	6
BB 2540	201	202	< 0.2	2.66	< 2	70	< 0.5	< 2	0.10	< 0.5	10	43	27	3.63	< 10	< 1	0.06	30	1.68	965	2
BB 2541	201	202	0.4	1.72	40	410	0.5	< 2	0.27	4.5	29	76	100	5.31	< 10	< 1	0.46	30	0.95	1165	4

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SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB 2502	201	202	0.02	25	920	16	< 2	5	31	0.10	< 10	< 10	76	< 10	98
BB 2503	201	202	< 0.01	38	800	22	< 2	5	20	0.12	< 10	< 10	74	< 10	118
BB 2504	201	202	0.01	28	850	14	4	8	34	0.15	< 10	< 10	119	< 10	104
BB 2505	201	202	0.02	24	830	10	< 2	5	32	0.10	< 10	< 10	61	< 10	90
BB 2506	201	202	0.01	19	550	8	< 2	5	33	0.15	< 10	< 10	70	< 10	78
BB 2507	201	202	< 0.01	25	460	24	< 2	5	32	0.15	< 10	< 10	73	< 10	140
BB 2508	201	202	0.02	39	820	14	2	9	19	0.20	< 10	< 10	114	< 10	162
BB 2509	201	202	0.01	8	2230	12	< 2	2	20	0.12	< 10	< 10	55	< 10	52
BB 2510	201	202	0.02	8	630	8	< 2	1	20	0.10	< 10	< 10	64	< 10	48
BB 2511	201	202	0.02	19	1460	156	< 2	4	20	0.15	< 10	< 10	94	< 10	184
BB 2512	201	202	< 0.01	19	1170	182	< 2	3	16	0.16	< 10	< 10	102	< 10	280
BB 2513	201	202	< 0.01	31	1660	8	< 2	6	21	0.22	< 10	< 10	118	< 10	90
BB 2514	201	202	0.02	40	790	20	< 2	4	29	0.08	< 10	< 10	82	< 10	140
BB 2515	201	202	< 0.01	44	1040	12	2	3	21	0.07	< 10	< 10	119	< 10	112
BB 2516	201	202	0.01	30	910	6	< 2	4	22	0.09	< 10	< 10	58	< 10	50
BB 2517	201	202	0.01	32	530	10	< 2	7	35	0.15	< 10	< 10	91	< 10	102
BB 2518	201	202	0.02	26	580	12	< 2	6	30	0.16	< 10	< 10	98	< 10	88
BB 2519	201	202	0.01	22	820	12	2	5	22	0.14	< 10	< 10	72	< 10	108
BB 2520	201	202	< 0.01	27	510	36	< 2	5	15	0.16	< 10	< 10	82	< 10	120
BB 2521	201	202	< 0.01	61	820	26	< 2	6	11	0.19	< 10	< 10	137	< 10	152
BB 2522	201	202	< 0.01	11	490	162	< 2	4	12	0.08	< 10	< 10	31	< 10	240
BB 2523	201	202	< 0.01	12	350	30	< 2	3	13	0.10	< 10	< 10	40	< 10	108
BB 2524	201	202	< 0.01	24	390	12	< 2	4	21	0.15	< 10	< 10	58	< 10	68
BB 2525	201	202	< 0.01	25	940	6	< 2	8	19	0.30	< 10	< 10	107	< 10	96
BB 2526	201	202	0.01	76	690	14	2	4	45	0.08	< 10	< 10	85	< 10	138
BB 2527	201	202	< 0.01	115	810	16	2	6	37	0.08	< 10	< 10	93	< 10	164
BB 2528	201	202	< 0.01	88	430	10	< 2	5	28	0.11	< 10	< 10	83	< 10	132
BB 2529	201	202	< 0.01	63	740	10	< 2	7	43	0.16	< 10	< 10	100	< 10	106
BB 2530	201	202	0.01	59	820	12	< 2	3	15	0.01	< 10	< 10	99	< 10	168
BB 2531	201	202	0.01	94	920	16	2	8	23	0.06	< 10	< 10	163	< 10	434
BB 2532	201	202	0.01	63	910	10	2	5	20	0.04	< 10	< 10	93	< 10	222
BB 2533	201	202	< 0.01	105	690	6	< 2	8	24	0.10	< 10	< 10	79	< 10	98
BB 2534	201	202	< 0.01	146	660	10	2	6	25	0.03	< 10	< 10	87	< 10	198
BB 2535	201	202	< 0.01	84	990	10	< 2	10	20	0.05	< 10	< 10	82	< 10	150
BB 2536	201	202	< 0.01	85	1070	14	< 2	11	16	0.13	< 10	< 10	119	< 10	114
BB 2537	201	202	< 0.01	446	580	6	< 2	17	9	0.06	< 10	< 10	175	< 10	92
BB 2538	201	202	< 0.01	153	2270	8	< 2	13	20	0.03	< 10	< 10	113	< 10	164
BB 2539	201	202	0.07	88	720	10	2	8	36	< 0.01	< 10	< 10	46	< 10	132
BB 2540	201	202	< 0.01	20	1010	16	< 2	3	9	0.03	< 10	< 10	56	< 10	76
BB 2541	201	202	< 0.01	175	1260	54	< 2	5	25	0.06	< 10	< 10	81	< 10	848

CERTIFICATION:

Chemex Labs Ltd.

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

Certificate Date: 14-AUG-96
Invoice No. :I9626933
P.O. Number :
Account :MPO

Project : HAT TRICK
Comments: ATTN:EXPATRIATE RE.-WHITEHORSE FAX:EXPATRIATE RE.-VANCOUVER

CERTIFICATE OF ANALYSIS A9626933

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 2542	201	202	< 0.2	2.98	6	290	< 0.5	< 2	0.83	< 0.5	26	104	53	4.35	< 10	1	0.47	< 10	2.55	600	1
BB 2543	201	202	< 0.2	3.21	2	250	0.5	< 2	0.85	< 0.5	33	182	87	4.22	< 10	< 1	0.50	< 10	2.85	735	1
BB 2544	201	202	< 0.2	3.80	4	290	0.5	< 2	0.87	< 0.5	28	138	53	4.36	< 10	< 1	0.53	< 10	3.91	785	1
BB 2545	201	202	< 0.2	2.21	2	100	0.5	< 2	0.32	< 0.5	15	80	30	3.15	< 10	< 1	0.06	< 10	1.91	385	1
BB 2546	201	202	< 0.2	2.88	4	220	0.5	< 2	0.61	< 0.5	23	84	116	4.03	< 10	1	0.30	< 10	2.84	555	1
BB 2547	201	202	< 0.2	2.80	4	210	0.5	< 2	0.58	< 0.5	27	165	66	4.35	< 10	< 1	0.53	10	2.09	825	1
BB 2548	201	202	< 0.2	3.78	2	230	1.0	< 2	0.75	< 0.5	29	223	106	4.90	< 10	< 1	0.15	< 10	2.62	1225	< 1
BB 2549	201	202	< 0.2	1.53	2	290	0.5	< 2	0.64	< 0.5	9	20	19	4.41	< 10	< 1	0.57	40	0.85	260	3
BB 2550	201	202	< 0.2	3.49	12	480	< 0.5	< 2	0.74	< 0.5	19	78	78	5.07	< 10	< 1	0.44	30	2.46	815	1
BB 2551	201	202	< 0.2	2.68	2	20	< 0.5	< 2	0.28	< 0.5	18	12	14	4.38	< 10	< 1	0.01	< 10	2.09	455	< 1
BB 2552	201	202	< 0.2	2.35	2	140	< 0.5	< 2	0.48	< 0.5	22	110	27	4.06	< 10	< 1	0.32	< 10	1.74	310	1
BB 2553	201	202	< 0.2	2.75	2	130	< 0.5	< 2	0.73	< 0.5	24	183	31	3.77	< 10	< 1	0.29	< 10	1.87	620	< 1
BB 2554	201	202	0.2	2.76	2	110	< 0.5	< 2	0.26	< 0.5	14	91	36	4.50	< 10	< 1	0.11	10	1.58	425	4
BB 2555	201	202	0.4	2.41	2	110	< 0.5	< 2	0.15	< 0.5	12	79	35	4.34	< 10	< 1	0.11	10	1.36	335	5
BB 2556	201	202	< 0.2	4.85	2	120	0.5	< 2	0.63	< 0.5	41	160	66	6.82	< 10	< 1	0.21	< 10	3.85	1370	3
BB 2557	201	202	< 0.2	3.21	2	270	< 0.5	< 2	0.63	< 0.5	28	221	28	4.30	< 10	< 1	0.47	< 10	2.61	895	< 1
BB 2558	201	202	< 0.2	4.01	6	140	0.5	< 2	0.50	< 0.5	35	293	44	4.63	< 10	< 1	0.19	< 10	3.21	610	1
BB 2559	201	202	< 0.2	2.12	< 2	160	0.5	< 2	0.25	< 0.5	6	43	20	3.00	< 10	< 1	0.13	10	0.99	270	2
BB 2560	201	202	< 0.2	1.57	< 2	110	0.5	< 2	0.05	< 0.5	4	17	6	2.97	< 10	< 1	0.09	20	0.51	380	1
BB 2561	201	202	< 0.2	2.02	4	90	1.0	< 2	0.12	< 0.5	5	29	13	2.78	< 10	< 1	0.09	30	0.57	245	1
BB 2562	201	202	< 0.2	3.23	4	230	1.5	2	0.19	< 0.5	10	53	37	4.12	< 10	< 1	0.20	10	1.11	350	3
BB 2563	201	202	< 0.2	2.47	2	280	1.0	< 2	0.28	< 0.5	8	45	30	3.27	< 10	1	0.17	10	1.11	360	3
BB 2564	201	202	< 0.2	2.54	< 2	180	0.5	2	0.15	< 0.5	6	32	18	3.01	< 10	1	0.14	20	0.80	275	1
BB 2565	201	202	0.6	3.97	< 2	310	2.0	2	0.23	< 0.5	14	73	58	4.50	10	1	0.29	30	1.44	340	2
BB 2566	201	202	< 0.2	3.03	4	180	1.0	< 2	0.15	< 0.5	9	50	28	3.90	10	< 1	0.17	10	1.00	340	4
BB 2567	201	202	< 0.2	3.22	< 2	170	1.5	< 2	0.28	< 0.5	9	48	44	3.32	< 10	< 1	0.13	30	1.04	300	3
BB 2568	201	202	< 0.2	2.77	2	160	1.0	< 2	0.20	< 0.5	7	43	23	3.21	< 10	1	0.12	20	0.80	295	4
BB 2569	201	202	0.2	2.57	2	160	1.5	< 2	0.52	< 0.5	7	50	31	2.89	< 10	< 1	0.18	30	1.03	345	5
BB 2571	201	202	< 0.2	2.31	4	140	1.0	2	0.24	< 0.5	7	48	18	4.78	10	< 1	0.80	50	1.15	595	1
BB 2572	201	202	0.2	3.78	6	250	1.5	< 2	0.25	< 0.5	12	60	59	4.00	< 10	< 1	0.21	30	1.15	325	4
BB 2573	201	202	< 0.2	2.44	< 2	180	0.5	< 2	0.29	< 0.5	6	43	26	3.09	< 10	< 1	0.15	10	1.01	285	3
BB 2574	201	202	< 0.2	2.32	2	210	0.5	2	0.23	< 0.5	6	49	28	3.20	< 10	< 1	0.17	10	0.98	275	3
BB 2575	201	202	< 0.2	2.19	< 2	170	0.5	< 2	0.22	< 0.5	7	54	26	3.18	< 10	1	0.15	10	1.06	300	4
BB 2576	201	202	0.2	2.74	< 2	150	1.0	2	0.23	< 0.5	13	53	49	4.22	< 10	< 1	0.15	10	1.00	435	3
BB 2577	201	202	< 0.2	2.96	< 2	220	1.5	< 2	0.26	< 0.5	10	79	57	4.27	< 10	< 1	0.20	10	1.25	370	4
BB 2578	201	202	< 0.2	2.57	2	100	1.0	< 2	0.19	< 0.5	7	58	32	3.37	10	1	0.13	10	1.27	415	4
BB 2579	201	202	< 0.2	2.46	< 2	170	1.0	< 2	0.17	< 0.5	7	39	30	3.46	< 10	< 1	0.13	10	0.99	295	5
BB 2580	201	202	< 0.2	2.73	4	210	1.0	< 2	0.18	< 0.5	9	33	28	4.09	10	< 1	0.09	20	0.95	310	4
BB 2581	201	202	< 0.2	1.90	< 2	90	0.5	< 2	0.11	< 0.5	3	19	10	2.59	10	< 1	0.09	20	0.41	165	4
BB 2582	201	202	< 0.2	2.12	4	120	0.5	< 2	0.20	< 0.5	6	41	25	3.36	< 10	< 1	0.14	10	0.91	320	3

CERTIFICATION: Stuart Buchler

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CERTIFICATE OF ANALYSIS A9626933

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 2542	201	202	< 0.01	58	1480	2	2	7	28	0.18	< 10	< 10	137	< 10	104
BB 2543	201	202	< 0.01	94	1460	2	2	6	29	0.16	< 10	< 10	117	< 10	114
BB 2544	201	202	< 0.01	76	1640	< 2	< 2	6	42	0.14	< 10	< 10	130	< 10	100
BB 2545	201	202	< 0.01	41	1110	2	< 2	3	22	0.09	< 10	< 10	91	< 10	62
BB 2546	201	202	< 0.01	55	1540	4	2	5	33	0.13	< 10	< 10	127	< 10	90
BB 2547	201	202	< 0.01	74	1490	4	< 2	6	22	0.15	< 10	< 10	114	< 10	126
BB 2548	201	202	< 0.01	84	1160	< 2	< 2	8	20	0.10	< 10	< 10	142	< 10	108
BB 2549	201	202	0.01	21	3270	4	< 2	3	47	0.08	< 10	< 10	27	< 10	114
BB 2550	201	202	< 0.01	45	980	6	2	16	19	0.13	< 10	< 10	130	< 10	96
BB 2551	201	202	< 0.01	19	250	4	< 2	5	17	0.08	< 10	< 10	172	< 10	74
BB 2552	201	202	< 0.01	57	700	2	< 2	3	21	0.17	< 10	< 10	138	< 10	94
BB 2553	201	202	< 0.01	67	1420	< 2	2	4	31	0.17	< 10	< 10	112	< 10	102
BB 2554	201	202	< 0.01	52	990	18	2	5	19	0.16	< 10	< 10	85	< 10	126
BB 2555	201	202	< 0.01	37	790	22	2	4	20	0.12	< 10	< 10	99	< 10	136
BB 2556	201	202	< 0.01	86	2440	10	6	21	22	0.23	< 10	< 10	222	< 10	124
BB 2557	201	202	< 0.01	104	990	< 2	< 2	4	22	0.12	< 10	< 10	84	< 10	112
BB 2558	201	202	< 0.01	120	1050	2	2	5	25	0.14	< 10	< 10	147	< 10	102
BB 2559	201	202	0.01	18	720	10	< 2	5	19	0.12	< 10	< 10	81	< 10	76
BB 2560	201	202	< 0.01	6	410	8	< 2	4	5	0.05	< 10	< 10	43	< 10	72
BB 2561	201	202	< 0.01	14	340	14	< 2	3	11	0.08	< 10	< 10	49	< 10	78
BB 2562	201	202	< 0.01	26	520	20	< 2	7	27	0.16	< 10	< 10	103	< 10	118
BB 2563	201	202	0.01	23	580	14	< 2	6	30	0.12	< 10	< 10	88	< 10	86
BB 2564	201	202	< 0.01	14	450	16	< 2	5	19	0.15	< 10	< 10	68	< 10	80
BB 2565	201	202	0.01	36	600	18	2	9	32	0.23	< 10	< 10	116	< 10	114
BB 2566	201	202	< 0.01	25	650	18	< 2	6	22	0.16	< 10	< 10	95	< 10	116
BB 2567	201	202	0.01	29	610	14	< 2	6	26	0.13	< 10	< 10	84	< 10	94
BB 2568	201	202	< 0.01	19	660	18	2	4	23	0.10	< 10	< 10	92	< 10	106
BB 2569	201	202	0.02	25	820	20	< 2	5	33	0.09	< 10	30	94	< 10	122
BB 2571	201	202	< 0.01	26	660	8	< 2	4	11	0.30	< 10	< 10	61	< 10	166
BB 2572	201	202	0.01	33	670	22	2	7	34	0.14	< 10	< 10	107	< 10	130
BB 2573	201	202	0.01	18	890	16	2	5	22	0.11	< 10	< 10	82	< 10	100
BB 2574	201	202	0.01	24	660	14	< 2	5	21	0.14	< 10	< 10	90	< 10	98
BB 2575	201	202	0.01	26	790	14	2	5	21	0.12	< 10	< 10	88	< 10	102
BB 2576	201	202	< 0.01	27	590	16	< 2	5	29	0.17	< 10	< 10	101	< 10	168
BB 2577	201	202	< 0.01	34	850	12	2	7	19	0.15	< 10	< 10	121	< 10	150
BB 2578	201	202	< 0.01	26	650	20	< 2	5	13	0.12	< 10	< 10	98	< 10	214
BB 2579	201	202	0.01	23	560	18	2	5	22	0.11	< 10	< 10	81	< 10	106
BB 2580	201	202	0.01	24	710	24	< 2	5	26	0.12	< 10	< 10	87	< 10	152
BB 2581	201	202	< 0.01	9	330	20	< 2	3	17	0.11	< 10	< 10	64	< 10	90
BB 2582	201	202	0.01	18	640	14	< 2	5	24	0.14	< 10	< 10	92	< 10	158

CERTIFICATION: Stewart Bichler

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SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
BB 2583	201	202	< 0.2	2.48	4	160	1.0	< 2	0.20	< 0.5	6	29	15	3.56	10	< 1	0.09	20	0.87	270	1
BB 2584	201	202	0.2	2.49	< 2	150	0.5	< 2	0.24	< 0.5	7	29	17	3.34	< 10	< 1	0.07	10	0.87	285	1
BB 2585	201	202	< 0.2	2.63	< 2	150	0.5	< 2	0.27	< 0.5	8	32	22	3.49	< 10	< 1	0.08	10	1.04	305	1
BB 2586	201	202	< 0.2	2.84	< 2	120	0.5	< 2	0.20	< 0.5	7	34	16	3.78	< 10	< 1	0.09	10	0.90	320	1
BB 2587	201	202	< 0.2	2.71	2	140	0.5	< 2	0.34	< 0.5	10	33	32	3.56	< 10	< 1	0.09	10	1.33	430	1
BB 2588	201	202	< 0.2	2.68	4	230	0.5	< 2	0.28	< 0.5	9	39	29	4.03	< 10	1	0.12	10	1.27	360	2
BB 2589	201	202	< 0.2	2.47	4	190	0.5	< 2	0.26	< 0.5	11	41	39	3.50	< 10	1	0.09	20	1.22	370	2
BB 2590	201	202	< 0.2	2.39	< 2	120	0.5	< 2	0.19	< 0.5	8	50	14	3.64	< 10	< 1	0.08	10	1.13	320	3
BB 2591	201	202	< 0.2	2.58	8	80	0.5	< 2	0.18	< 0.5	6	54	13	3.42	< 10	< 1	0.08	10	0.97	270	2
BB 2592	201	202	< 0.2	2.04	< 2	120	0.5	< 2	0.14	< 0.5	6	38	15	2.69	< 10	< 1	0.09	30	0.80	250	3
BB 2593	201	202	< 0.2	2.19	< 2	100	1.0	< 2	0.35	< 0.5	6	48	12	2.69	< 10	1	0.08	10	1.14	290	3
BB 2594	201	202	0.6	2.95	2	180	1.5	< 2	0.43	< 0.5	11	50	32	3.07	< 10	1	0.14	20	0.98	515	7
BB 2595	201	202	0.4	2.49	2	90	0.5	2	0.14	< 0.5	6	71	22	4.88	10	< 1	0.10	10	0.95	480	10
BB 2596	201	202	0.8	3.49	< 2	150	1.5	< 2	0.18	< 0.5	11	71	46	4.17	10	1	0.19	20	1.49	470	6
BB 2597	201	202	0.2	3.53	6	130	1.5	< 2	0.09	< 0.5	7	63	30	4.69	10	< 1	0.20	20	1.25	300	4
BB 2598	201	202	< 0.2	1.56	< 2	70	1.0	< 2	0.13	< 0.5	9	19	10	2.08	< 10	< 1	0.11	30	0.56	905	3
BB 2599	201	202	< 0.2	3.07	2	240	1.0	2	0.69	1.0	12	104	86	3.70	10	< 1	0.08	30	3.21	340	5
BB 2600	201	202	0.6	3.25	< 2	150	1.0	< 2	0.14	< 0.5	9	61	40	3.43	< 10	1	0.15	20	1.15	260	13
BB 2601	201	202	< 0.2	2.39	2	170	1.0	< 2	0.44	< 0.5	9	50	34	2.79	< 10	< 1	0.23	20	1.13	280	5
BB 2602	201	202	0.6	3.05	2	180	1.5	< 2	0.38	< 0.5	12	59	44	3.40	< 10	< 1	0.25	10	1.31	240	8
BB 2603	201	202	0.4	3.53	2	220	1.5	< 2	0.62	< 0.5	11	63	40	3.42	< 10	1	0.20	20	1.42	340	8
BB 2604	201	202	0.2	2.34	4	120	0.5	< 2	0.15	< 0.5	5	58	30	3.80	< 10	< 1	0.15	10	0.83	190	10
BB 2605	201	202	< 0.2	3.39	2	220	1.5	< 2	0.56	< 0.5	10	67	47	3.81	10	< 1	0.20	50	1.32	330	9
BB 2606	201	202	0.4	3.43	< 2	160	1.5	< 2	0.59	< 0.5	14	67	48	3.53	< 10	1	0.21	20	1.45	260	5
BB 2607	201	202	< 0.2	3.49	2	260	1.5	< 2	0.27	< 0.5	12	61	46	4.20	< 10	< 1	0.35	30	1.40	305	6
BB 2608	201	202	0.4	3.22	2	140	1.5	< 2	0.56	< 0.5	17	49	44	3.49	< 10	1	0.18	40	1.03	500	9
BB 2609	201	202	< 0.2	3.43	< 2	140	1.0	< 2	0.32	< 0.5	11	92	50	4.51	10	< 1	0.19	10	1.80	400	6
BB 2610	201	202	< 0.2	2.22	< 2	150	1.0	2	0.50	< 0.5	8	66	39	4.71	10	< 1	0.20	10	1.33	305	12
BB 2611	201	202	0.2	3.87	< 2	140	1.5	2	0.25	< 0.5	9	89	53	4.30	10	1	0.23	20	1.93	370	8
BB 2612	201	202	0.2	2.75	2	120	0.5	2	0.31	< 0.5	6	77	41	4.85	10	< 1	0.19	10	1.32	320	9
BB 2613	201	202	< 0.2	3.83	< 2	220	2.0	< 2	0.72	< 0.5	17	88	72	4.99	10	< 1	0.14	10	1.90	540	18
BB 2614	201	202	< 0.2	2.29	4	110	0.5	< 2	0.27	< 0.5	9	56	43	3.60	< 10	< 1	0.13	10	1.12	410	8
BB 2615	201	202	< 0.2	2.07	< 2	110	0.5	< 2	0.23	< 0.5	7	44	36	3.25	< 10	< 1	0.14	10	0.85	250	7
BB 2616	201	202	< 0.2	3.16	< 2	240	1.5	< 2	0.42	< 0.5	13	57	76	4.40	< 10	< 1	0.22	10	1.34	410	7
BB 2617	201	202	< 0.2	2.25	2	240	1.0	< 2	0.49	< 0.5	12	43	36	2.91	< 10	< 1	0.18	10	0.97	575	2
BB 2618	201	202	< 0.2	2.61	< 2	90	0.5	< 2	0.19	< 0.5	6	37	28	3.05	< 10	< 1	0.06	10	0.77	205	3
BB 2619	201	202	0.6	3.52	2	410	2.0	< 2	0.97	< 0.5	14	69	121	3.85	< 10	1	0.14	40	1.51	340	8
BB 2620	201	202	0.2	2.26	< 2	590	0.5	< 2	0.07	< 0.5	9	60	96	5.10	< 10	2	0.73	30	1.31	465	6
BB 2621	201	202	< 0.2	1.20	8	230	< 0.5	< 2	0.07	< 0.5	5	30	44	2.79	< 10	< 1	0.31	10	0.62	295	4
BB 2622	201	202	0.2	1.74	4	240	0.5	2	0.15	< 0.5	9	43	37	3.32	< 10	< 1	0.41	30	1.03	415	3

CERTIFICATION: Stuart Buchler

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CERTIFICATE OF ANALYSIS A9626933

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 2583	201	202	< 0.01	12	610	18	< 2	4	19	0.11	< 10	< 10	65	< 10	104
BB 2584	201	202	< 0.01	11	990	18	< 2	4	17	0.12	< 10	< 10	73	< 10	102
BB 2585	201	202	0.01	13	520	12	2	5	20	0.14	< 10	< 10	92	< 10	82
BB 2586	201	202	0.01	13	800	14	2	4	17	0.13	< 10	< 10	89	< 10	108
BB 2587	201	202	0.01	15	620	12	2	6	24	0.14	< 10	< 10	90	< 10	76
BB 2588	201	202	< 0.01	18	260	14	< 2	6	29	0.15	< 10	< 10	105	< 10	142
BB 2589	201	202	< 0.01	23	360	16	< 2	5	20	0.14	< 10	< 10	90	< 10	94
BB 2590	201	202	< 0.01	21	540	10	2	4	17	0.13	< 10	< 10	95	< 10	108
BB 2591	201	202	< 0.01	21	540	12	2	4	14	0.12	< 10	< 10	96	< 10	76
BB 2592	201	202	< 0.01	19	360	12	< 2	3	13	0.09	< 10	< 10	74	< 10	68
BB 2593	201	202	< 0.01	19	570	16	2	4	25	0.13	< 10	< 10	85	< 10	94
BB 2594	201	202	0.01	33	590	16	< 2	5	38	0.09	< 10	< 10	91	< 10	114
BB 2595	201	202	< 0.01	21	880	22	< 2	5	13	0.15	< 10	< 10	189	< 10	94
BB 2596	201	202	< 0.01	46	570	24	< 2	5	13	0.12	< 10	< 10	117	< 10	146
BB 2597	201	202	< 0.01	31	440	18	2	5	9	0.11	< 10	< 10	105	< 10	112
BB 2598	201	202	< 0.01	14	550	24	< 2	1	6	0.03	< 10	< 10	34	< 10	86
BB 2599	201	202	0.02	84	350	8	2	10	24	0.29	< 10	< 10	124	< 10	274
BB 2600	201	202	< 0.01	45	310	12	< 2	5	16	0.12	< 10	< 10	118	< 10	128
BB 2601	201	202	< 0.01	33	510	6	< 2	5	22	0.12	< 10	< 10	81	< 10	78
BB 2602	201	202	< 0.01	46	690	10	< 2	6	23	0.13	< 10	< 10	90	< 10	108
BB 2603	201	202	0.01	43	930	8	6	7	37	0.12	< 10	< 10	95	< 10	124
BB 2604	201	202	< 0.01	18	810	16	< 2	3	14	0.12	< 10	< 10	120	< 10	68
BB 2605	201	202	< 0.01	46	820	14	< 2	6	36	0.10	< 10	< 10	111	< 10	128
BB 2606	201	202	0.01	49	760	10	2	6	35	0.11	< 10	< 10	90	< 10	94
BB 2607	201	202	< 0.01	40	750	12	< 2	6	26	0.11	< 10	< 10	89	< 10	84
BB 2608	201	202	0.01	46	820	16	< 2	5	37	0.07	< 10	< 10	77	< 10	128
BB 2609	201	202	0.01	45	890	14	2	7	13	0.14	< 10	< 10	134	< 10	96
BB 2610	201	202	< 0.01	26	750	16	< 2	6	39	0.19	< 10	< 10	139	< 10	112
BB 2611	201	202	< 0.01	49	630	16	2	8	28	0.18	< 10	< 10	132	< 10	202
BB 2612	201	202	< 0.01	26	630	20	< 2	7	19	0.19	< 10	< 10	154	< 10	100
BB 2613	201	202	< 0.01	59	1250	20	2	7	42	0.15	< 10	< 10	147	< 10	214
BB 2614	201	202	< 0.01	25	850	16	2	5	20	0.13	< 10	< 10	110	< 10	136
BB 2615	201	202	0.01	21	680	14	< 2	4	18	0.11	< 10	< 10	102	< 10	58
BB 2616	201	202	0.01	42	660	16	< 2	6	35	0.12	< 10	< 10	114	< 10	120
BB 2617	201	202	0.01	20	1000	16	< 2	5	32	0.11	< 10	< 10	87	< 10	72
BB 2618	201	202	< 0.01	13	580	14	2	3	17	0.10	< 10	< 10	78	< 10	44
BB 2619	201	202	0.03	40	960	12	< 2	8	73	0.13	< 10	10	115	< 10	154
BB 2620	201	202	< 0.01	34	790	12	< 2	4	28	0.13	< 10	< 10	82	< 10	202
BB 2621	201	202	< 0.01	23	560	12	< 2	3	11	0.07	< 10	< 10	54	< 10	122
BB 2622	201	202	< 0.01	28	790	34	< 2	4	14	0.12	< 10	< 10	61	< 10	128

CERTIFICATION: Stewart Buchler

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CERTIFICATE OF ANALYSIS A9626933

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 2623	201	202	0.2	1.82	26	310	< 0.5	2	0.25	< 0.5	13	83	44	3.22	< 10	1	0.36	20	1.16	480	4
BB 2624	201	202	0.2	2.76	38	270	0.5	4	0.22	< 0.5	20	115	62	4.33	< 10	< 1	0.56	20	1.75	535	2
BB 2625	201	202	< 0.2	1.13	4	180	< 0.5	2	0.10	< 0.5	4	31	21	2.40	< 10	< 1	0.27	< 10	0.52	280	2
BB 2626	201	202	0.2	1.68	8	150	< 0.5	4	0.10	< 0.5	5	44	24	3.87	< 10	< 1	0.25	10	0.74	245	2
BB 2627	201	202	< 0.2	2.07	12	190	< 0.5	6	0.11	< 0.5	9	73	53	4.68	< 10	1	0.32	< 10	1.06	405	4
BB 2628	201	202	< 0.2	2.94	4	140	< 0.5	2	0.49	< 0.5	16	173	22	4.31	< 10	< 1	0.10	< 10	1.42	705	1
BB 2629	201	202	< 0.2	3.06	< 2	330	< 0.5	< 2	0.67	< 0.5	23	158	51	4.29	< 10	< 1	0.19	< 10	2.04	740	< 1
BB 2630	201	202	< 0.2	3.06	2	230	< 0.5	2	0.66	< 0.5	23	106	82	4.04	< 10	< 1	0.25	< 10	2.16	610	< 1
BB 2631	201	202	< 0.2	2.99	2	110	< 0.5	2	0.37	< 0.5	16	73	32	4.46	< 10	< 1	0.19	< 10	1.91	385	< 1
BB 2632	201	202	< 0.2	3.57	8	760	< 0.5	2	0.86	< 0.5	36	135	221	5.89	< 10	1	0.99	< 10	2.55	1725	< 1
BB 2633	201	202	< 0.2	3.48	10	390	< 0.5	< 2	0.77	< 0.5	19	59	37	4.55	< 10	< 1	0.83	30	2.02	970	2
BB 2634	201	202	< 0.2	4.62	2	230	1.0	2	0.70	< 0.5	21	210	29	5.38	10	< 1	0.28	< 10	2.46	540	< 1
BB 2635	201	202	0.2	3.02	2	130	0.5	2	0.52	< 0.5	21	97	55	3.92	< 10	< 1	0.10	< 10	2.16	480	1
BB 2636	201	202	0.2	2.60	< 2	110	< 0.5	2	0.39	< 0.5	16	123	25	4.17	< 10	< 1	0.05	< 10	1.84	495	< 1
BB 2637	201	202	< 0.2	2.92	6	190	< 0.5	< 2	0.58	< 0.5	21	111	33	4.15	< 10	< 1	0.45	10	2.20	855	< 1
BB 2638	201	202	< 0.2	3.73	6	90	< 0.5	< 2	0.15	< 0.5	15	62	27	5.68	10	< 1	0.12	< 10	2.27	570	1
BB 2639	201	202	< 0.2	3.48	6	160	0.5	< 2	1.31	< 0.5	20	118	8	4.22	< 10	< 1	0.17	< 10	2.84	745	1
BB 2640	201	202	< 0.2	2.67	2	200	< 0.5	< 2	0.64	< 0.5	17	204	60	4.08	< 10	< 1	0.08	< 10	1.14	1290	< 1
BB 2641	201	202	< 0.2	4.46	< 2	90	< 0.5	< 2	0.43	< 0.5	32	304	99	7.10	< 10	1	0.04	10	3.41	2160	< 1
BB 2642	201	202	< 0.2	3.33	2	180	< 0.5	< 2	0.42	< 0.5	21	45	103	5.16	< 10	< 1	0.45	10	2.51	785	3
BB 2643	201	202	< 0.2	3.60	8	590	< 0.5	< 2	0.70	< 0.5	21	142	33	4.77	< 10	< 1	0.75	< 10	3.00	945	1
BB 2644	201	202	< 0.2	3.29	< 2	370	0.5	2	0.66	< 0.5	23	126	38	4.49	< 10	1	0.49	< 10	2.66	865	< 1
BB 2645	201	202	< 0.2	2.72	6	310	< 0.5	< 2	0.81	< 0.5	22	103	58	3.62	< 10	< 1	0.19	< 10	2.30	635	< 1
BB 2646	201	202	< 0.2	2.34	< 2	110	0.5	< 2	0.43	< 0.5	19	86	29	3.45	< 10	< 1	0.12	10	1.68	715	< 1
BB 2647	201	202	0.2	4.11	4	440	2.0	6	1.18	0.5	40	240	111	5.84	< 10	< 1	0.55	< 10	3.84	1370	< 1
BB 2648	201	202	< 0.2	2.46	< 2	140	0.5	< 2	0.25	< 0.5	10	55	22	4.51	10	< 1	0.38	20	1.12	400	1
BB 2649	201	202	< 0.2	2.59	18	130	< 0.5	< 2	0.27	< 0.5	20	87	69	4.61	< 10	1	0.14	10	1.49	590	1
BB 2650	201	202	0.8	2.47	< 2	190	1.5	< 2	0.22	0.5	25	75	117	6.30	< 10	< 1	0.26	50	1.05	960	11
BB 2651	201	202	< 0.2	2.43	< 2	100	1.0	< 2	0.39	< 0.5	29	52	82	5.99	< 10	< 1	0.11	80	1.24	620	3
BB 2652	201	202	0.6	3.84	4	390	0.5	< 2	0.81	1.0	26	134	115	5.61	< 10	< 1	0.47	40	2.49	720	6
BB 2653	201	202	< 0.2	5.17	8	310	0.5	< 2	1.10	< 0.5	34	324	76	6.06	10	1	0.33	10	4.54	745	1
BB 2654	201	202	< 0.2	4.25	< 2	340	< 0.5	< 2	1.38	< 0.5	25	129	142	4.30	< 10	< 1	0.32	< 10	3.37	580	< 1
BB 2655	201	202	< 0.2	5.18	4	370	< 0.5	2	1.50	< 0.5	32	259	104	5.09	10	1	0.53	< 10	4.02	455	< 1
BB 2656	201	202	< 0.2	3.88	< 2	160	< 0.5	< 2	1.60	< 0.5	20	45	101	3.28	< 10	< 1	0.23	< 10	1.88	420	1
BB 2657	201	202	< 0.2	4.82	4	50	0.5	< 2	1.04	< 0.5	19	135	48	3.42	< 10	< 1	0.06	< 10	1.97	445	1
BB 2658	201	202	< 0.2	5.23	8	40	1.0	< 2	1.95	< 0.5	29	214	63	4.22	< 10	2	0.05	< 10	3.18	935	< 1
BB 2659	201	202	< 0.2	3.29	< 2	80	< 0.5	< 2	0.62	< 0.5	15	97	31	2.88	< 10	< 1	0.09	< 10	1.63	235	< 1
BB 2660	201	202	< 0.2	3.50	2	40	0.5	< 2	0.97	< 0.5	15	99	52	2.58	< 10	< 1	0.06	< 10	1.46	475	1
BB 2661	201	202	< 0.2	2.63	< 2	130	< 0.5	< 2	0.75	< 0.5	16	116	56	2.72	< 10	< 1	0.06	< 10	1.60	630	< 1
BB 2662	201	202	< 0.2	2.73	2	220	< 0.5	< 2	0.92	< 0.5	17	91	68	3.15	< 10	< 1	0.19	< 10	1.71	315	1

CERTIFICATION: Stan Bradley

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SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB 2623	201	202	< 0.01	53	900	30	< 2	4	21	0.13	< 10	< 10	74	< 10	104
BB 2624	201	202	< 0.01	71	820	26	< 2	6	16	0.17	< 10	< 10	87	< 10	130
BB 2625	201	202	< 0.01	16	580	14	< 2	2	12	0.11	< 10	< 10	63	< 10	86
BB 2626	201	202	< 0.01	17	770	18	2	4	12	0.16	< 10	< 10	98	< 10	80
BB 2627	201	202	< 0.01	51	750	12	< 2	5	11	0.18	< 10	< 10	108	< 10	132
BB 2628	201	202	< 0.01	48	850	8	2	5	15	0.21	< 10	< 10	134	< 10	92
BB 2629	201	202	< 0.01	56	1050	< 2	< 2	8	21	0.22	< 10	< 10	133	< 10	80
BB 2630	201	202	< 0.01	64	970	< 2	2	6	19	0.23	< 10	< 10	111	< 10	62
BB 2631	201	202	< 0.01	35	590	2	2	6	17	0.29	< 10	< 10	143	< 10	66
BB 2632	201	202	< 0.01	83	1480	2	2	9	30	0.35	< 10	< 10	194	< 10	66
BB 2633	201	202	0.01	18	940	56	< 2	7	36	0.19	< 10	< 10	89	< 10	136
BB 2634	201	202	< 0.01	56	2240	< 2	2	11	35	0.25	< 10	< 10	133	< 10	142
BB 2635	201	202	< 0.01	49	870	4	4	5	25	0.25	< 10	< 10	113	< 10	78
BB 2636	201	202	< 0.01	51	710	2	2	3	20	0.27	< 10	< 10	119	< 10	76
BB 2637	201	202	< 0.01	50	1590	< 2	< 2	7	31	0.21	< 10	< 10	132	< 10	86
BB 2638	201	202	< 0.01	18	400	14	2	12	12	0.18	< 10	< 10	171	< 10	106
BB 2639	201	202	< 0.01	45	5430	< 2	2	4	23	0.09	< 10	< 10	112	< 10	116
BB 2640	201	202	0.03	67	1040	2	< 2	10	22	0.10	< 10	< 10	111	< 10	96
BB 2641	201	202	< 0.01	142	1440	8	2	9	11	0.04	< 10	< 10	80	< 10	152
BB 2642	201	202	< 0.01	42	800	28	< 2	7	18	0.12	< 10	< 10	80	< 10	164
BB 2643	201	202	< 0.01	60	1690	< 2	< 2	8	28	0.27	< 10	< 10	128	< 10	64
BB 2644	201	202	< 0.01	60	1030	< 2	2	6	24	0.28	< 10	< 10	135	< 10	80
BB 2645	201	202	< 0.01	54	1000	< 2	< 2	5	27	0.20	< 10	< 10	107	< 10	72
BB 2646	201	202	< 0.01	41	820	< 2	< 2	3	24	0.19	< 10	< 10	81	< 10	66
BB 2647	201	202	< 0.01	147	1810	24	2	7	33	0.41	< 10	< 10	163	< 10	214
BB 2648	201	202	< 0.01	36	900	10	< 2	3	14	0.15	< 10	< 10	59	< 10	114
BB 2649	201	202	< 0.01	55	550	8	2	6	13	0.17	< 10	< 10	115	< 10	100
BB 2650	201	202	< 0.01	92	620	22	< 2	13	17	< 0.01	< 10	< 10	94	< 10	276
BB 2651	201	202	0.01	75	710	14	< 2	8	28	0.01	< 10	< 10	60	< 10	142
BB 2652	201	202	0.03	99	910	12	2	11	54	0.09	< 10	< 10	141	< 10	196
BB 2653	201	202	0.01	129	1540	2	4	18	53	0.14	< 10	< 10	226	< 10	90
BB 2654	201	202	0.02	66	1130	2	< 2	10	58	0.18	< 10	< 10	155	< 10	70
BB 2655	201	202	0.01	110	1670	< 2	2	10	85	0.28	< 10	< 10	192	< 10	90
BB 2656	201	202	0.01	32	1140	< 2	< 2	6	69	0.17	< 10	< 10	124	< 10	58
BB 2657	201	202	< 0.01	61	900	< 2	2	4	64	0.16	< 10	< 10	91	< 10	60
BB 2658	201	202	< 0.01	94	980	< 2	6	10	158	0.25	< 10	< 10	132	< 10	70
BB 2659	201	202	0.01	46	1010	< 2	4	3	42	0.14	< 10	< 10	73	< 10	46
BB 2660	201	202	0.01	43	820	< 2	2	3	55	0.10	< 10	< 10	75	< 10	44
BB 2661	201	202	0.01	41	1030	2	< 2	4	26	0.12	< 10	< 10	92	< 10	42
BB 2662	201	202	0.03	52	1340	2	< 2	7	35	0.17	< 10	< 10	106	< 10	56

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
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To: EXPATRIATE RESOURCES LTD.
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CERTIFICATE OF ANALYSIS A9626933

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 2663	201	202	0.2	3.42	< 2	310	0.5	< 2	0.29	< 0.5	17	137	88	5.19	< 10	< 1	0.26	30	1.95	670	8
BB 2664	201	202	< 0.2	3.47	< 2	110	< 0.5	< 2	0.71	< 0.5	31	146	197	4.54	< 10	2	0.15	< 10	2.81	610	1
BB 2665	201	202	0.8	4.17	< 2	710	0.5	< 2	0.69	0.5	23	100	94	5.53	10	< 1	0.51	30	2.45	655	5
BB 2666	201	202	< 0.2	3.21	< 2	230	1.0	< 2	0.21	< 0.5	27	60	57	5.20	< 10	< 1	0.13	40	1.29	955	4
BB 2667	201	202	< 0.2	1.84	2	150	1.5	< 2	0.29	< 0.5	15	46	38	4.83	< 10	< 1	0.13	40	0.43	680	4
BB 2668	201	202	< 0.2	3.38	< 2	260	0.5	< 2	0.42	< 0.5	13	84	77	4.55	10	< 1	0.26	20	1.75	455	4
BB 2669	201	202	< 0.2	2.80	< 2	180	0.5	< 2	0.25	< 0.5	15	74	54	4.19	< 10	< 1	0.34	10	1.42	415	4
BB 2670	201	202	< 0.2	2.68	2	50	< 0.5	< 2	0.30	< 0.5	18	86	110	2.88	< 10	< 1	0.06	< 10	1.89	345	1
BB 2671	201	202	< 0.2	2.29	6	70	< 0.5	< 2	0.52	< 0.5	15	91	168	2.40	< 10	< 1	0.05	< 10	1.42	295	1
BB 2672	201	202	< 0.2	2.10	< 2	50	< 0.5	< 2	0.24	< 0.5	14	45	89	2.46	< 10	< 1	0.02	< 10	1.04	440	1
BB 2673	201	202	0.2	4.28	2	260	< 0.5	< 2	0.46	< 0.5	36	119	537	5.61	< 10	< 1	0.05	< 10	3.26	1135	4
BB 2674	201	202	< 0.2	3.31	< 2	30	< 0.5	< 2	0.88	< 0.5	25	228	178	2.70	< 10	1	0.06	< 10	2.29	320	< 1
BB 2675	201	202	< 0.2	3.27	< 2	120	< 0.5	< 2	1.16	< 0.5	22	128	174	2.23	< 10	1	0.05	< 10	2.04	320	3
BB 2676	201	202	< 0.2	2.25	< 2	10	< 0.5	< 2	1.05	< 0.5	7	47	85	1.23	< 10	< 1	0.04	< 10	0.76	145	1
BB 2677	201	202	< 0.2	2.17	< 2	30	< 0.5	< 2	0.78	< 0.5	8	38	72	1.43	< 10	1	0.04	< 10	0.83	185	1
BB 2678	201	202	< 0.2	2.95	< 2	480	1.0	< 2	0.05	< 0.5	6	149	22	4.44	10	< 1	0.44	< 10	1.08	250	1
BB 2679	201	202	< 0.2	2.29	< 2	290	1.0	< 2	0.13	< 0.5	6	64	13	3.50	< 10	< 1	0.38	20	1.05	580	1
BB 2680	201	202	< 0.2	1.94	6	190	0.5	< 2	0.08	< 0.5	4	64	15	3.42	10	< 1	0.23	20	0.80	210	8
BB 2681	201	202	< 0.2	3.59	2	270	4.5	< 2	0.08	< 0.5	10	43	29	3.88	10	< 1	0.19	140	1.05	990	4
BB 2682	201	202	< 0.2	2.77	2	160	1.5	< 2	0.49	< 0.5	10	66	13	3.52	< 10	1	0.18	60	1.79	425	3
BB 2683	201	202	< 0.2	1.71	< 2	300	0.5	< 2	0.07	< 0.5	4	58	14	2.86	< 10	< 1	0.28	10	0.78	350	6
BB 2684	201	202	< 0.2	1.73	6	230	0.5	< 2	0.10	< 0.5	5	62	16	2.77	< 10	< 1	0.23	10	0.87	250	5
BB 2685	201	202	0.2	2.87	< 2	490	1.5	< 2	0.08	< 0.5	12	92	36	4.00	< 10	< 1	0.50	20	1.37	320	1
BB 2686	201	202	0.2	2.93	24	380	2.0	< 2	0.26	< 0.5	15	86	53	4.23	< 10	< 1	0.43	30	1.59	500	6
BB 2687	201	202	< 0.2	1.72	< 2	250	0.5	< 2	0.27	< 0.5	6	39	10	2.70	< 10	< 1	0.14	10	0.67	250	2
BB 2688	201	202	< 0.2	2.48	4	130	1.0	< 2	0.15	< 0.5	11	52	15	3.51	< 10	< 1	0.17	20	0.84	670	4
BB 2689	201	202	< 0.2	3.23	2	440	0.5	2	0.13	< 0.5	15	277	31	4.19	< 10	< 1	0.69	10	2.26	360	1
BB 2690	201	202	< 0.2	2.95	8	420	0.5	< 2	0.19	< 0.5	17	279	35	3.85	< 10	< 1	0.49	10	2.16	270	1
BB 2691	201	202	< 0.2	4.09	< 2	160	2.0	< 2	1.11	< 0.5	12	84	36	3.35	10	1	0.35	30	1.19	485	1
BB 2692	201	202	< 0.2	2.59	< 2	250	3.0	< 2	0.54	< 0.5	11	61	28	3.04	< 10	< 1	0.58	60	1.09	680	1
BB 2693	201	202	< 0.2	2.63	< 2	390	1.0	< 2	0.23	< 0.5	12	91	20	3.65	< 10	< 1	0.49	30	1.29	505	< 1
BB 2694	201	202	< 0.2	2.79	2	300	0.5	< 2	0.21	< 0.5	12	96	23	3.87	< 10	< 1	0.43	20	1.38	430	< 1
BB 2695	201	202	< 0.2	2.13	2	200	0.5	< 2	0.18	< 0.5	7	56	8	3.25	< 10	< 1	0.20	10	0.87	345	1
BB 2696	201	202	< 0.2	2.37	2	170	0.5	< 2	0.32	< 0.5	7	59	10	3.04	< 10	< 1	0.23	20	0.84	275	1
BB 2697	201	202	0.8	3.02	10	630	2.0	< 2	0.17	< 0.5	13	78	65	4.58	< 10	1	0.59	30	1.42	365	6
BB 2698	201	202	< 0.2	2.70	< 2	550	2.0	< 2	0.28	< 0.5	9	29	21	2.88	< 10	1	0.49	60	1.67	405	3
BB 2699	201	202	< 0.2	2.03	< 2	120	1.0	< 2	0.22	< 0.5	6	24	9	2.53	< 10	< 1	0.19	40	0.89	355	< 1
BB 2700	201	202	< 0.2	1.77	4	110	1.0	< 2	0.25	< 0.5	6	24	6	2.60	< 10	< 1	0.20	30	0.81	455	< 1
BB 2701	201	202	< 0.2	1.93	2	80	1.0	< 2	0.20	< 0.5	5	18	7	2.53	< 10	< 1	0.15	40	0.71	280	< 1
BB 2702	201	202	< 0.2	1.09	< 2	70	< 0.5	< 2	0.08	< 0.5	1	10	1	1.61	< 10	< 1	0.07	< 10	0.23	135	< 1

CERTIFICATION: Stuart Bichler

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CERTIFICATE OF ANALYSIS A9626933

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 2663	201	202	0.03	70	1040	10	< 2	9	42	0.06	< 10	< 10	147	< 10	164
BB 2664	201	202	0.01	71	380	2	< 2	11	18	0.12	< 10	< 10	127	< 10	128
BB 2665	201	202	0.04	71	1010	10	2	13	33	0.11	< 10	< 10	130	< 10	164
BB 2666	201	202	< 0.01	72	820	24	< 2	7	13	0.01	< 10	< 10	84	< 10	136
BB 2667	201	202	< 0.01	50	970	16	< 2	9	14	< 0.01	< 10	< 10	80	< 10	174
BB 2668	201	202	0.01	55	760	10	< 2	7	21	0.05	< 10	< 10	101	< 10	148
BB 2669	201	202	0.01	36	690	12	< 2	6	21	0.09	< 10	< 10	92	< 10	100
BB 2670	201	202	0.01	39	420	< 2	< 2	4	9	0.09	< 10	< 10	86	< 10	70
BB 2671	201	202	< 0.01	46	390	2	< 2	4	14	0.08	< 10	< 10	65	< 10	66
BB 2672	201	202	0.02	18	650	2	< 2	2	7	0.03	< 10	< 10	68	< 10	38
BB 2673	201	202	0.01	42	250	6	< 2	14	12	0.06	< 10	< 10	148	< 10	308
BB 2674	201	202	< 0.01	75	250	< 2	< 2	4	13	0.06	< 10	< 10	67	< 10	94
BB 2675	201	202	0.01	40	200	4	< 2	5	19	0.04	< 10	< 10	62	< 10	56
BB 2676	201	202	0.03	14	260	< 2	< 2	3	24	0.05	< 10	< 10	38	< 10	22
BB 2677	201	202	0.02	16	310	< 2	< 2	4	17	0.06	< 10	< 10	49	< 10	24
BB 2678	201	202	< 0.01	43	480	16	2	8	4	0.15	< 10	< 10	153	< 10	110
BB 2679	201	202	< 0.01	27	740	20	< 2	4	15	0.13	< 10	< 10	70	< 10	88
BB 2680	201	202	< 0.01	20	770	26	< 2	3	10	0.14	< 10	< 10	146	< 10	78
BB 2681	201	202	< 0.01	41	870	70	< 2	3	18	0.03	< 10	20	56	< 10	202
BB 2682	201	202	< 0.01	27	790	16	2	7	25	0.20	< 10	20	95	< 10	100
BB 2683	201	202	< 0.01	19	670	12	2	2	8	0.08	< 10	< 10	91	< 10	70
BB 2684	201	202	0.01	25	670	16	< 2	1	11	0.07	< 10	< 10	92	< 10	78
BB 2685	201	202	< 0.01	78	450	12	< 2	5	16	0.16	< 10	< 10	97	< 10	120
BB 2686	201	202	< 0.01	58	1060	108	2	7	19	0.14	< 10	< 10	113	< 10	170
BB 2687	201	202	0.01	24	440	16	< 2	2	17	0.08	< 10	< 10	67	< 10	70
BB 2688	201	202	< 0.01	24	850	16	< 2	2	13	0.09	< 10	< 10	68	< 10	74
BB 2689	201	202	< 0.01	131	640	6	2	5	13	0.21	< 10	< 10	116	< 10	84
BB 2690	201	202	0.01	170	580	6	< 2	4	20	0.15	< 10	< 10	95	< 10	70
BB 2691	201	202	0.01	79	610	16	< 2	5	62	0.07	< 10	< 10	68	< 10	100
BB 2692	201	202	< 0.01	46	520	16	2	7	28	0.05	< 10	< 10	49	< 10	90
BB 2693	201	202	< 0.01	41	860	10	< 2	7	16	0.12	< 10	< 10	87	< 10	68
BB 2694	201	202	< 0.01	43	820	8	< 2	8	13	0.18	< 10	< 10	91	< 10	68
BB 2695	201	202	< 0.01	18	690	6	< 2	4	12	0.17	< 10	< 10	80	< 10	56
BB 2696	201	202	< 0.01	28	480	8	< 2	4	26	0.14	< 10	< 10	61	< 10	58
BB 2697	201	202	0.03	57	830	48	< 2	5	39	0.12	< 10	< 10	103	< 10	156
BB 2698	201	202	0.01	25	710	20	< 2	4	23	0.08	< 10	< 10	54	< 10	110
BB 2699	201	202	< 0.01	15	970	16	< 2	3	15	0.08	< 10	< 10	34	< 10	66
BB 2700	201	202	< 0.01	16	830	14	< 2	3	17	0.08	< 10	< 10	33	< 10	72
BB 2701	201	202	< 0.01	12	740	16	< 2	3	12	0.09	< 10	< 10	33	< 10	62
BB 2702	201	202	0.01	3	480	12	< 2	1	7	0.11	< 10	< 10	42	< 10	24

CERTIFICATION: Stewart Bichler

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SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
BB 2703	201	202	< 0.2	1.67	< 2	80	1.0	< 2	0.15	< 0.5	5	14	8	2.02	< 10	< 1	0.16	40	0.71	540	< 1
BB 2704	201	202	< 0.2	1.67	< 2	70	0.5	2	0.16	< 0.5	6	27	6	2.06	< 10	< 1	0.21	10	0.92	300	< 1
BB 2705	201	202	< 0.2	2.07	< 2	120	1.0	< 2	0.11	< 0.5	7	51	17	3.10	< 10	< 1	0.15	30	0.76	300	< 1
BB 2706	201	202	< 0.2	2.12	6	120	0.5	2	0.14	< 0.5	9	101	18	3.40	< 10	< 1	0.19	10	1.14	265	< 1
BB 2707	201	202	0.2	1.85	2	410	2.0	< 2	0.31	< 0.5	14	88	32	3.31	< 10	< 1	0.36	30	1.35	450	1
BB 2708	201	202	0.2	2.34	< 2	340	2.0	< 2	0.34	< 0.5	6	46	21	2.72	< 10	< 1	0.25	60	1.35	310	3
BB 2709	201	202	< 0.2	2.27	12	320	3.0	< 2	0.18	< 0.5	6	32	21	3.10	< 10	< 1	0.24	50	0.91	545	1
BB 2710	201	202	0.6	3.24	< 2	580	< 0.5	2	0.21	< 0.5	15	121	57	5.67	10	< 1	0.33	10	2.27	580	11
BB 2711	201	202	0.4	3.73	2	250	< 0.5	2	0.51	< 0.5	26	169	86	5.43	10	< 1	0.34	10	2.90	725	< 1
BB 2712	201	202	< 0.2	2.37	2	270	0.5	2	0.20	< 0.5	12	67	18	4.03	10	< 1	0.30	10	1.39	635	2
BB 2713	201	202	< 0.2	2.10	2	120	< 0.5	2	0.22	< 0.5	10	64	17	3.37	< 10	< 1	0.14	10	1.04	370	1
BB 2714	201	202	0.2	4.12	2	420	0.5	6	0.83	< 0.5	34	201	43	5.41	10	< 1	1.01	10	3.83	1125	< 1
BB 2715	201	202	< 0.2	4.45	< 2	40	1.5	2	2.22	< 0.5	17	54	30	5.10	10	< 1	0.16	40	0.96	1180	< 1
BB 2716	201	202	< 0.2	4.67	< 2	50	1.0	2	1.35	< 0.5	17	56	26	4.16	10	< 1	0.17	20	1.25	460	< 1
BB 2717	201	202	< 0.2	3.93	8	60	1.0	< 2	1.19	< 0.5	17	43	81	3.37	10	< 1	0.17	30	1.54	365	< 1
BB 2718	201	202	< 0.2	2.62	10	50	0.5	< 2	0.23	< 0.5	13	46	17	3.31	< 10	< 1	0.07	30	1.05	270	< 1
BB 2719	201	202	< 0.2	4.00	2	90	1.5	< 2	1.34	< 0.5	28	37	35	5.32	10	< 1	0.20	40	1.18	590	< 1
BB 2720	201	202	< 0.2	2.88	2	80	0.5	< 2	1.13	< 0.5	25	40	34	4.69	< 10	< 1	0.34	30	1.26	580	< 1
BB 2721	201	202	< 0.2	2.65	4	170	0.5	2	0.47	< 0.5	24	179	49	4.61	< 10	< 1	0.42	30	1.70	390	< 1
BB 2722	201	202	< 0.2	2.49	22	240	< 0.5	2	0.66	< 0.5	23	138	51	4.07	< 10	< 1	0.50	30	1.76	600	< 1
BB 2723	201	202	< 0.2	2.67	4	90	< 0.5	< 2	0.25	< 0.5	25	464	151	3.81	< 10	< 1	0.03	< 10	2.90	605	< 1
BB 2724	201	202	< 0.2	2.56	4	90	< 0.5	< 2	0.36	< 0.5	26	372	106	3.49	< 10	< 1	0.01	< 10	2.69	815	< 1
BB 2725	201	202	< 0.2	2.26	8	50	< 0.5	< 2	0.19	< 0.5	20	68	98	3.24	< 10	< 1	0.03	< 10	1.49	465	< 1
BB 2726	201	202	< 0.2	1.81	< 2	60	< 0.5	< 2	0.17	< 0.5	15	64	46	2.86	< 10	< 1	0.03	< 10	1.03	685	< 1
BB 2727	201	202	< 0.2	2.31	6	40	< 0.5	< 2	0.18	< 0.5	19	122	30	3.82	< 10	< 1	0.03	< 10	1.97	730	< 1
BB 2728	201	202	0.4	3.72	6	210	0.5	< 2	0.26	< 0.5	25	265	99	5.48	< 10	< 1	0.07	40	2.77	980	3
BB 2729	201	202	0.2	3.20	< 2	160	0.5	< 2	0.33	1.0	20	121	78	5.18	< 10	< 1	0.15	30	2.04	740	4
BB 2730	201	202	0.6	1.96	6	100	0.5	< 2	0.25	< 0.5	17	41	48	4.79	< 10	< 1	0.07	30	0.93	485	4
BB 2731	201	202	0.2	1.89	2	150	0.5	< 2	0.25	< 0.5	20	43	83	5.37	< 10	< 1	0.08	30	0.90	610	3
BB 2732	201	202	0.2	2.19	2	140	0.5	< 2	0.19	< 0.5	16	67	100	4.38	< 10	< 1	0.15	20	1.39	670	7
BB 2733	201	202	0.2	2.50	4	170	0.5	< 2	0.15	< 0.5	18	85	201	5.00	< 10	< 1	0.15	20	1.43	775	5
BB 2734	201	202	0.8	2.98	< 2	330	1.0	< 2	0.31	< 0.5	14	85	176	4.74	10	< 1	0.26	40	1.87	630	4
BB 2735	201	202	< 0.2	2.71	4	240	0.5	2	0.51	< 0.5	25	115	45	4.22	< 10	< 1	0.30	40	2.05	750	< 1
BB 2736	201	202	< 0.2	2.70	2	310	0.5	2	0.58	< 0.5	24	92	50	3.61	< 10	< 1	0.24	< 10	2.43	710	< 1
BB 2737	201	202	< 0.2	2.14	8	60	< 0.5	2	0.26	< 0.5	12	63	16	3.83	< 10	< 1	0.10	< 10	1.34	330	< 1
BB 2738	201	202	< 0.2	2.36	6	140	< 0.5	< 2	0.29	< 0.5	17	67	25	3.31	< 10	< 1	0.05	< 10	1.54	915	< 1
BB 2739	201	202	< 0.2	3.31	12	240	0.5	2	0.86	< 0.5	52	153	138	5.76	< 10	1	0.33	< 10	2.19	1595	< 1
BB 2740	201	202	0.2	2.80	6	80	0.5	< 2	0.21	0.5	25	46	62	6.16	< 10	< 1	0.05	30	1.03	715	13
BB 2741	201	202	< 0.2	2.26	2	100	0.5	< 2	0.26	< 0.5	15	46	28	3.23	< 10	< 1	0.04	60	0.69	795	3
BB 2742	201	202	< 0.2	2.33	2	90	< 0.5	< 2	0.20	< 0.5	10	38	28	3.55	< 10	< 1	0.05	20	0.60	245	4

CERTIFICATION: Ivan Bridley

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CERTIFICATE OF ANALYSIS A9626933

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 2703	201	202	0.02	8	760	12	< 2	1	9	0.07	< 10	< 10	31	< 10	52
BB 2704	201	202	< 0.01	12	710	10	< 2	3	5	0.08	< 10	< 10	34	< 10	56
BB 2705	201	202	< 0.01	30	530	18	< 2	3	10	0.11	< 10	< 10	61	< 10	70
BB 2706	201	202	< 0.01	56	520	10	< 2	4	11	0.13	< 10	< 10	80	< 10	62
BB 2707	201	202	< 0.01	75	690	30	< 2	6	16	0.08	< 10	< 10	64	< 10	108
BB 2708	201	202	0.01	34	560	52	2	3	21	0.05	< 10	< 10	39	< 10	136
BB 2709	201	202	< 0.01	30	320	32	< 2	6	16	0.05	< 10	< 10	35	< 10	154
BB 2710	201	202	< 0.01	58	850	8	< 2	11	16	0.26	< 10	< 10	231	< 10	138
BB 2711	201	202	< 0.01	86	1150	8	< 2	15	16	0.21	< 10	< 10	168	< 10	122
BB 2712	201	202	< 0.01	24	770	8	< 2	9	11	0.16	< 10	< 10	97	< 10	98
BB 2713	201	202	< 0.01	26	850	10	< 2	4	13	0.16	< 10	< 10	89	< 10	62
BB 2714	201	202	< 0.01	109	1500	6	< 2	11	21	0.36	< 10	< 10	148	< 10	142
BB 2715	201	202	0.10	37	1050	34	2	11	531	0.15	< 10	< 10	48	< 10	100
BB 2716	201	202	0.05	40	850	10	< 2	8	290	0.14	< 10	< 10	54	< 10	106
BB 2717	201	202	< 0.01	45	580	10	2	5	181	0.11	< 10	< 10	92	< 10	82
BB 2718	201	202	< 0.01	31	720	6	< 2	3	32	0.08	< 10	< 10	51	< 10	62
BB 2719	201	202	< 0.01	72	550	26	< 2	6	500	0.09	< 10	< 10	32	< 10	124
BB 2720	201	202	0.02	59	580	16	2	5	167	0.08	< 10	< 10	34	< 10	112
BB 2721	201	202	< 0.01	97	830	6	< 2	7	34	0.17	< 10	< 10	78	< 10	78
BB 2722	201	202	< 0.01	104	1180	6	< 2	6	36	0.21	< 10	< 10	91	< 10	66
BB 2723	201	202	< 0.01	118	270	2	< 2	11	8	0.04	< 10	< 10	93	< 10	82
BB 2724	201	202	< 0.01	92	390	4	< 2	9	6	0.04	< 10	< 10	93	< 10	74
BB 2725	201	202	0.01	28	460	2	< 2	5	7	0.05	< 10	< 10	85	< 10	86
BB 2726	201	202	0.01	24	650	< 2	< 2	3	8	0.05	< 10	< 10	77	< 10	54
BB 2727	201	202	< 0.01	40	410	< 2	< 2	6	7	0.06	< 10	< 10	130	< 10	102
BB 2728	201	202	< 0.01	103	590	8	2	15	11	0.02	< 10	< 10	119	< 10	142
BB 2729	201	202	< 0.01	74	800	10	< 2	10	17	0.03	< 10	< 10	103	< 10	162
BB 2730	201	202	< 0.01	53	630	16	< 2	4	14	0.02	< 10	< 10	53	< 10	126
BB 2731	201	202	< 0.01	63	780	14	< 2	6	17	0.01	< 10	< 10	59	< 10	140
BB 2732	201	202	< 0.01	56	790	12	< 2	6	12	0.03	< 10	< 10	94	< 10	152
BB 2733	201	202	< 0.01	61	640	12	< 2	8	14	0.05	< 10	< 10	96	< 10	152
BB 2734	201	202	0.01	68	740	14	2	12	15	0.05	< 10	< 10	134	< 10	192
BB 2735	201	202	< 0.01	60	880	< 2	< 2	7	19	0.20	< 10	< 10	104	< 10	112
BB 2736	201	202	< 0.01	58	1300	< 2	< 2	5	26	0.16	< 10	< 10	104	< 10	76
BB 2737	201	202	< 0.01	29	750	6	< 2	4	15	0.20	< 10	< 10	113	< 10	60
BB 2738	201	202	0.01	30	1110	2	< 2	5	16	0.16	< 10	< 10	106	< 10	54
BB 2739	201	202	< 0.01	103	2320	6	< 2	7	31	0.10	< 10	< 10	95	< 10	104
BB 2740	201	202	< 0.01	85	720	20	< 2	3	26	0.01	< 10	< 10	63	< 10	204
BB 2741	201	202	0.01	26	1010	14	< 2	3	22	0.05	< 10	< 10	60	< 10	72
BB 2742	201	202	< 0.01	34	760	12	< 2	3	22	0.06	< 10	< 10	56	< 10	76

CERTIFICATION: Hart Buchler

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CERTIFICATE OF ANALYSIS A9626933

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 2743	201	202	< 0.2	2.20	< 2	60	< 0.5	< 2	0.12	< 0.5	8	44	26	3.75	< 10	< 1	0.04	10	0.72	250	4
BB 2744	201	202	0.2	2.43	6	150	0.5	< 2	0.16	< 0.5	16	45	39	3.80	< 10	< 1	0.08	20	0.81	265	4
BB 2745	201	202	< 0.2	2.35	< 2	180	< 0.5	< 2	1.33	< 0.5	16	114	88	3.30	< 10	< 1	0.09	< 10	1.47	470	< 1
BB 2746	201	202	< 0.2	3.09	8	150	< 0.5	2	0.18	< 0.5	25	32	86	5.33	< 10	< 1	0.21	10	1.73	585	< 1
BB 2747	201	202	< 0.2	2.78	2	150	< 0.5	< 2	0.33	< 0.5	23	126	24	4.31	< 10	< 1	0.19	< 10	2.08	950	1
BB 2748	201	202	< 0.2	2.83	8	210	< 0.5	< 2	0.48	< 0.5	19	94	31	3.89	< 10	< 1	0.26	< 10	2.26	545	< 1
BB 2749	201	202	< 0.2	2.78	6	200	< 0.5	2	0.40	< 0.5	21	101	34	4.05	< 10	< 1	0.07	< 10	1.94	580	< 1
BB 2750	201	202	< 0.2	2.57	8	80	< 0.5	2	0.38	< 0.5	22	101	41	3.49	< 10	< 1	0.04	< 10	1.69	400	< 1
BB 2751	201	202	0.2	4.30	2	250	1.0	2	0.82	< 0.5	23	222	28	5.04	10	< 1	0.29	< 10	2.16	425	< 1
BB 2752	201	202	0.2	3.17	< 2	450	< 0.5	< 2	0.19	< 0.5	5	10	34	4.52	10	< 1	0.45	10	1.69	435	5
BB 2753	201	202	< 0.2	2.27	8	90	< 0.5	2	0.27	< 0.5	13	75	26	3.30	< 10	< 1	0.08	< 10	1.47	430	< 1
BB 2754	201	202	0.2	3.10	6	220	< 0.5	2	0.69	< 0.5	26	140	58	4.58	< 10	< 1	0.16	< 10	2.38	730	< 1
BB 2755	201	202	0.2	3.19	8	150	< 0.5	2	0.42	< 0.5	23	85	58	4.12	< 10	< 1	0.35	< 10	1.78	620	< 1
BB 2756	201	202	< 0.2	2.43	2	290	< 0.5	2	0.64	< 0.5	25	117	31	3.37	< 10	< 1	0.26	< 10	1.76	745	< 1
BB 2757	201	202	< 0.2	2.22	6	150	< 0.5	4	0.17	< 0.5	13	71	37	3.62	< 10	< 1	0.18	10	1.11	565	1
BB 2758	201	202	< 0.2	3.15	8	140	< 0.5	2	0.26	< 0.5	18	125	61	4.38	< 10	< 1	0.07	10	1.62	430	1
BB 2759	201	202	0.2	3.46	12	660	0.5	2	0.51	< 0.5	21	115	39	4.62	10	< 1	0.42	10	1.98	1245	2
BB 2760	201	202	0.2	4.35	< 2	600	< 0.5	4	1.49	< 0.5	26	222	62	4.93	10	< 1	0.41	< 10	2.92	700	< 1
BB 2761	201	202	< 0.2	4.98	6	370	0.5	2	0.94	< 0.5	27	194	62	5.24	10	< 1	0.72	< 10	2.12	675	< 1
BB 2762	201	202	0.2	5.36	6	110	1.0	< 2	0.25	< 0.5	12	52	38	3.73	< 10	< 1	0.09	20	0.69	400	3
BB 2763	201	202	< 0.2	3.34	6	100	0.5	< 2	0.11	< 0.5	13	49	48	3.97	< 10	< 1	0.05	20	0.77	250	2
BB 2764	201	202	< 0.2	1.23	4	60	< 0.5	< 2	0.06	< 0.5	5	18	13	1.60	< 10	< 1	0.04	< 10	0.30	135	1

CERTIFICATION: Ian Bachler

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CERTIFICATE OF ANALYSIS A9626933

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 2743	201	202	< 0.01	28	420	12	< 2	3	13	0.09	< 10	< 10	83	< 10	70
BB 2744	201	202	0.01	40	580	16	< 2	4	26	0.09	< 10	< 10	64	< 10	106
BB 2745	201	202	< 0.01	54	1830	2	< 2	5	29	0.09	< 10	< 10	70	< 10	84
BB 2746	201	202	< 0.01	41	400	4	2	4	21	0.09	< 10	< 10	75	< 10	90
BB 2747	201	202	< 0.01	56	760	4	< 2	6	13	0.10	< 10	< 10	93	< 10	90
BB 2748	201	202	< 0.01	44	920	< 2	2	7	20	0.17	< 10	< 10	121	< 10	70
BB 2749	201	202	< 0.01	46	800	2	< 2	6	19	0.19	< 10	< 10	107	< 10	84
BB 2750	201	202	< 0.01	59	870	6	< 2	4	19	0.15	< 10	< 10	80	< 10	70
BB 2751	201	202	< 0.01	56	3040	< 2	2	10	35	0.22	< 10	< 10	133	< 10	106
BB 2752	201	202	< 0.01	11	470	4	< 2	9	22	0.18	< 10	< 10	69	< 10	110
BB 2753	201	202	< 0.01	26	630	4	< 2	4	11	0.23	< 10	< 10	102	< 10	42
BB 2754	201	202	< 0.01	65	1230	< 2	< 2	10	21	0.21	< 10	< 10	134	< 10	82
BB 2755	201	202	< 0.01	51	1050	< 2	2	8	13	0.23	< 10	< 10	115	< 10	66
BB 2756	201	202	< 0.01	69	900	< 2	< 2	5	17	0.24	< 10	< 10	104	< 10	68
BB 2757	201	202	< 0.01	37	750	18	2	4	11	0.11	< 10	< 10	75	< 10	116
BB 2758	201	202	< 0.01	64	1030	6	< 2	6	15	0.16	< 10	< 10	120	< 10	158
BB 2759	201	202	0.01	53	910	14	< 2	9	28	0.16	< 10	< 10	133	< 10	126
BB 2760	201	202	0.04	64	1720	2	2	14	30	0.24	< 10	< 10	157	< 10	94
BB 2761	201	202	0.01	74	2460	2	2	12	46	0.22	< 10	< 10	120	< 10	126
BB 2762	201	202	0.01	39	1210	8	< 2	4	36	0.07	< 10	< 10	56	< 10	84
BB 2763	201	202	< 0.01	40	750	14	< 2	3	33	0.05	< 10	< 10	60	< 10	66
BB 2764	201	202	0.02	13	540	6	< 2	< 1	19	0.02	< 10	< 10	35	< 10	28

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Invoice No. : I9626932
P.O. Number :
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Comments: ATTN:EXPATRIATE RE.-WHITEHORSE FAX:EXPATRIATE RE.-VANCOUVER

CERTIFICATE OF ANALYSIS A9626932

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 159	201	202	0.6	3.62	8	80	1.0	2	0.04	< 0.5	18	48	76	5.36	< 10	< 1	0.10	40	1.38	375	7
BB 160	201	202	< 0.2	2.03	2	60	0.5	2	0.08	< 0.5	14	39	49	4.06	< 10	< 1	0.06	20	0.85	380	8
BB 161	201	202	< 0.2	1.62	2	40	< 0.5	< 2	0.10	< 0.5	11	56	30	3.28	< 10	< 1	0.04	< 10	0.96	430	5
BB 162	201	202	< 0.2	0.62	< 2	30	< 0.5	2	0.20	< 0.5	5	29	17	1.04	< 10	< 1	0.03	< 10	0.45	195	< 1
BB 163	201	202	< 0.2	1.83	6	60	< 0.5	< 2	0.16	< 0.5	14	84	27	2.96	< 10	< 1	0.03	< 10	1.43	440	< 1
BB 164	201	202	< 0.2	2.10	2	70	< 0.5	4	0.29	< 0.5	24	141	28	3.47	< 10	< 1	0.02	< 10	2.07	990	< 1
BB 165	201	202	< 0.2	2.85	4	40	< 0.5	< 2	0.17	< 0.5	47	141	391	4.73	< 10	< 1	< 0.01	< 10	2.93	1890	< 1
BB 166	201	202	< 0.2	2.43	6	60	< 0.5	< 2	0.12	< 0.5	28	112	194	3.76	< 10	< 1	0.01	< 10	1.94	720	< 1
BB 167	201	202	< 0.2	3.00	4	40	< 0.5	< 2	0.29	< 0.5	49	69	775	3.89	10	< 1	0.01	< 10	2.14	895	< 1
BB 198	201	202	< 0.2	0.96	6	30	< 0.5	< 2	0.06	< 0.5	4	20	46	1.07	< 10	< 1	0.03	< 10	0.46	135	< 1
BB 199	201	202	< 0.2	2.84	8	30	< 0.5	4	0.17	< 0.5	26	60	321	3.90	< 10	< 1	0.02	< 10	1.92	490	1
BB 200	201	202	< 0.2	2.42	< 2	70	< 0.5	6	0.31	< 0.5	20	170	86	2.64	10	< 1	0.03	< 10	2.49	375	< 1
BB 205	201	202	< 0.2	3.49	2	150	< 0.5	2	0.57	< 0.5	33	220	191	4.98	10	< 1	0.11	< 10	3.51	805	< 1
BB 211	201	202	< 0.2	3.49	2	90	< 0.5	2	0.54	< 0.5	33	170	252	4.48	10	< 1	0.05	< 10	3.67	735	< 1
BB 212	201	202	< 0.2	3.22	< 2	120	< 0.5	< 2	0.45	< 0.5	31	137	225	4.81	10	< 1	0.05	< 10	3.51	735	< 1
BB 213	201	202	< 0.2	4.31	< 2	100	< 0.5	< 2	0.48	< 0.5	32	401	117	5.73	10	< 1	0.12	10	4.18	915	1
BB 214	201	202	< 0.2	3.33	4	170	< 0.5	2	0.51	< 0.5	23	112	110	4.66	10	< 1	0.13	10	2.54	680	1
BB 215	201	202	1.0	3.41	2	280	0.5	< 2	0.49	0.5	20	82	88	5.48	10	< 1	0.30	50	2.62	750	6
BB 216	201	202	< 0.2	4.02	6	360	0.5	< 2	0.68	< 0.5	24	113	75	5.99	10	< 1	0.28	40	3.26	955	3
BB 217	201	202	< 0.2	4.04	6	330	0.5	2	0.56	< 0.5	29	153	81	6.32	10	< 1	0.23	40	3.26	1190	6
BB 218	201	202	1.2	1.88	< 2	180	0.5	2	0.39	2.0	19	57	134	4.43	< 10	< 1	0.08	40	1.42	790	14
BB 219	201	202	1.0	3.15	< 2	550	0.5	< 2	0.85	0.5	25	96	121	5.54	10	< 1	0.33	40	2.75	1030	8
BB 220	201	202	0.6	4.53	< 2	510	1.0	< 2	0.90	1.5	42	131	137	7.56	10	< 1	0.51	50	4.01	1660	11
BB 221	201	202	1.2	4.46	< 2	600	0.5	< 2	1.83	1.0	61	169	152	6.15	< 10	< 1	0.66	30	4.57	1370	5
BB 230	201	202	0.4	2.70	< 2	110	0.5	2	0.20	< 0.5	25	86	97	7.38	10	< 1	0.10	40	2.17	1420	25
BB 231	201	202	0.2	2.16	< 2	140	0.5	2	0.21	1.5	28	56	77	6.40	10	< 1	0.11	30	1.37	1175	22
BB 232	201	202	0.6	2.07	< 2	110	0.5	< 2	0.22	2.0	13	43	85	4.48	< 10	< 1	0.07	40	1.15	590	25
BB 233	201	202	0.6	1.84	< 2	70	0.5	2	0.13	0.5	14	42	80	3.92	< 10	< 1	0.09	30	0.92	795	12
BB 234	201	202	1.6	0.97	< 2	130	< 0.5	< 2	0.06	< 0.5	6	21	22	1.96	< 10	< 1	0.05	< 10	0.34	2330	4
BB 235	201	202	0.6	3.22	< 2	180	< 0.5	< 2	0.32	0.5	20	137	48	4.66	10	< 1	0.07	10	2.58	765	4
BB 236	201	202	0.6	3.47	< 2	210	0.5	< 2	0.35	0.5	24	124	66	5.10	10	< 1	0.24	20	2.64	1140	5
BB 237	201	202	0.4	1.79	< 2	80	0.5	< 2	0.08	< 0.5	10	40	53	3.94	10	< 1	0.09	30	0.99	310	9
BB 238	201	202	< 0.2	1.58	< 2	240	0.5	4	0.11	< 0.5	5	47	17	2.51	10	< 1	0.35	10	0.78	175	1
BB 239	201	202	0.2	2.98	< 2	640	0.5	< 2	0.13	< 0.5	9	140	37	3.77	10	< 1	0.75	10	1.58	430	1
BB 240	201	202	< 0.2	3.11	< 2	380	0.5	2	0.20	< 0.5	12	77	32	3.90	10	< 1	0.46	30	1.36	425	1
BB 241	201	202	< 0.2	2.68	< 2	510	0.5	2	0.18	< 0.5	8	89	24	3.40	10	< 1	0.51	20	1.25	500	1
BB 242	201	202	< 0.2	2.76	< 2	760	0.5	2	0.12	< 0.5	9	102	29	3.61	10	< 1	0.89	10	1.50	495	1
BB 243	201	202	< 0.2	2.76	< 2	390	2.0	2	0.33	< 0.5	19	76	91	4.40	10	< 1	0.40	50	1.40	500	1
BB 244	201	202	0.2	2.90	< 2	460	0.5	2	0.24	< 0.5	16	78	45	4.00	10	< 1	0.46	40	1.30	530	3
BB 245	201	202	< 0.2	2.97	< 2	510	1.0	2	0.15	< 0.5	10	82	44	3.80	10	< 1	0.36	30	1.22	260	2

CERTIFICATION: Hart Bichler

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Account : MPO

Project : HAT TRICK
Comments: ATTN:EXPATRIATE RE.-WHITEHORSE FAX:EXPATRIATE RE.-VANCOUVER

CERTIFICATE OF ANALYSIS A9626932

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 159	201	202	< 0.01	63	550	22	8	4	28	< 0.01	< 10	< 10	46	< 10	148
BB 160	201	202	< 0.01	48	730	10	4	2	12	0.03	< 10	< 10	62	< 10	126
BB 161	201	202	< 0.01	28	610	8	10	1	7	0.03	< 10	< 10	102	< 10	76
BB 162	201	202	0.01	8	340	< 2	< 2	1	3	0.06	< 10	< 10	39	< 10	20
BB 163	201	202	< 0.01	27	360	2	6	3	7	0.10	< 10	< 10	93	< 10	54
BB 164	201	202	0.01	37	680	< 2	4	5	13	0.05	< 10	< 10	121	< 10	48
BB 165	201	202	< 0.01	45	210	2	10	10	< 1	0.05	< 10	< 10	112	< 10	264
BB 166	201	202	< 0.01	42	280	< 2	8	9	3	0.04	< 10	< 10	96	< 10	66
BB 167	201	202	0.01	36	290	< 2	6	9	3	0.04	< 10	< 10	93	< 10	66
BB 198	201	202	0.02	8	490	< 2	2	< 1	6	0.01	< 10	< 10	25	< 10	24
BB 199	201	202	< 0.01	32	360	2	4	5	6	0.05	< 10	< 10	90	< 10	60
BB 200	201	202	< 0.01	56	310	< 2	10	2	10	0.06	< 10	< 10	64	< 10	56
BB 205	201	202	< 0.01	84	470	< 2	10	12	14	0.12	< 10	10	128	< 10	128
BB 211	201	202	< 0.01	58	270	2	8	10	12	0.09	< 10	< 10	127	< 10	124
BB 212	201	202	< 0.01	39	230	< 2	10	11	7	0.15	< 10	< 10	152	< 10	100
BB 213	201	202	< 0.01	120	360	2	12	18	9	0.16	< 10	10	162	< 10	120
BB 214	201	202	< 0.01	53	640	2	2	12	13	0.12	< 10	< 10	139	< 10	124
BB 215	201	202	< 0.01	74	990	10	2	10	24	0.08	< 10	< 10	115	< 10	230
BB 216	201	202	< 0.01	72	1670	4	6	18	25	0.13	< 10	< 10	162	< 10	144
BB 217	201	202	< 0.01	82	1710	12	8	21	21	0.11	< 10	< 10	183	< 10	154
BB 218	201	202	< 0.01	97	1100	22	< 2	6	16	0.03	< 10	< 10	80	< 10	268
BB 219	201	202	< 0.01	89	1560	24	< 2	14	36	0.09	< 10	< 10	133	< 10	192
BB 220	201	202	< 0.01	121	2090	28	< 2	20	37	0.13	< 10	< 10	220	< 10	206
BB 221	201	202	< 0.01	237	2180	14	< 2	20	48	0.13	< 10	< 10	194	< 10	130
BB 230	201	202	< 0.01	85	1590	14	< 2	9	20	0.03	< 10	< 10	109	< 10	306
BB 231	201	202	< 0.01	100	1600	24	< 2	4	20	0.03	< 10	< 10	83	< 10	226
BB 232	201	202	< 0.01	87	860	16	< 2	3	14	0.03	< 10	< 10	71	< 10	340
BB 233	201	202	< 0.01	62	1090	16	< 2	2	11	0.02	< 10	< 10	66	< 10	234
BB 234	201	202	0.04	19	830	42	< 2	< 1	9	0.01	< 10	< 10	39	< 10	74
BB 235	201	202	< 0.01	56	1240	26	< 2	11	18	0.05	< 10	< 10	151	< 10	118
BB 236	201	202	< 0.01	73	1620	16	< 2	13	18	0.11	< 10	< 10	150	< 10	160
BB 237	201	202	< 0.01	47	700	18	< 2	1	11	0.01	< 10	< 10	83	< 10	150
BB 238	201	202	< 0.01	24	540	20	< 2	3	15	0.09	< 10	< 10	66	< 10	72
BB 239	201	202	< 0.01	54	860	16	< 2	7	19	0.14	< 10	< 10	138	< 10	112
BB 240	201	202	< 0.01	54	500	16	< 2	5	37	0.10	< 10	< 10	83	< 10	116
BB 241	201	202	< 0.01	41	930	14	< 2	3	20	0.07	< 10	< 10	89	< 10	104
BB 242	201	202	< 0.01	47	670	14	< 2	6	13	0.13	< 10	< 10	112	< 10	132
BB 243	201	202	< 0.01	136	580	18	< 2	6	45	0.05	< 10	< 10	75	< 10	152
BB 244	201	202	< 0.01	67	850	20	< 2	4	32	0.09	< 10	< 10	89	< 10	126
BB 245	201	202	< 0.01	65	660	16	< 2	4	48	0.10	< 10	< 10	88	< 10	120

CERTIFICATION: Ian H Bridden

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CERTIFICATE OF ANALYSIS A9626932

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 246	201	202	< 0.2	2.81	4	410	0.5	< 2	0.16	< 0.5	12	71	36	3.87	< 10	< 1	0.43	40	1.33	315	3
BB 247	201	202	< 0.2	2.41	< 2	430	0.5	< 2	0.11	< 0.5	8	69	33	3.56	< 10	1	0.52	20	1.18	230	< 1
BB 248	201	202	0.4	3.95	< 2	480	1.0	< 2	0.82	< 0.5	18	81	123	5.38	< 10	< 1	0.57	50	1.21	270	2
BB 250	201	202	< 0.2	3.58	8	530	1.0	2	0.44	< 0.5	21	131	58	4.48	10	< 1	0.56	20	1.82	590	3
BB 251	201	202	< 0.2	3.79	14	370	1.5	< 2	0.43	< 0.5	38	106	102	5.28	10	< 1	0.32	40	1.74	575	1
BB 252	201	202	0.4	2.69	< 2	450	0.5	2	0.14	< 0.5	10	89	44	4.03	< 10	< 1	0.41	40	1.25	280	4
BB 253	201	202	< 0.2	2.79	2	520	1.0	4	0.15	< 0.5	18	94	62	5.17	< 10	< 1	0.56	50	1.28	350	< 1
BB 254	201	202	< 0.2	5.00	8	420	1.0	< 2	0.53	< 0.5	23	98	32	5.26	10	< 1	0.32	20	1.98	745	1
BB 255	201	202	< 0.2	3.96	18	520	1.0	2	0.24	< 0.5	23	144	54	5.03	10	< 1	0.61	30	1.92	495	< 1
BB 256	201	202	< 0.2	2.91	2	560	0.5	< 2	0.18	< 0.5	13	111	41	3.93	< 10	< 1	0.62	30	1.49	430	< 1
BB 257	201	202	0.4	3.05	8	400	1.0	< 2	0.19	< 0.5	11	69	51	3.82	< 10	< 1	0.34	30	1.57	360	6
BB 258	201	202	< 0.2	2.51	24	210	0.5	< 2	0.16	< 0.5	14	50	33	4.26	10	1	0.34	30	1.03	585	1
BB 259	201	202	< 0.2	2.43	8	300	0.5	< 2	0.12	< 0.5	11	95	26	3.46	10	1	0.75	10	1.15	535	1
BB 260	201	202	1.4	1.24	182	60	< 0.5	40	1.51	< 0.5	106	1295	84	4.20	< 10	< 1	0.02	< 10	3.64	1010	< 1
BB 261	201	202	0.4	2.90	< 2	260	0.5	< 2	0.86	0.5	27	445	42	3.95	< 10	< 1	0.28	10	3.12	625	1
BB 262	201	202	< 0.2	2.93	8	370	0.5	< 2	0.44	< 0.5	15	80	22	4.42	10	< 1	0.39	10	1.58	550	1
BB 263	201	202	< 0.2	2.40	6	470	0.5	< 2	0.46	< 0.5	11	70	22	3.29	< 10	< 1	0.51	20	1.16	610	< 1
BB 264	201	202	< 0.2	2.62	2	290	< 0.5	< 2	0.68	< 0.5	22	342	50	3.93	< 10	< 1	0.39	20	2.40	585	< 1
BB 265	201	202	< 0.2	3.25	10	580	0.5	< 2	0.40	< 0.5	17	74	34	4.72	10	< 1	0.73	30	1.70	635	< 1
BB 266	201	202	< 0.2	3.41	6	640	0.5	< 2	0.54	< 0.5	14	70	23	4.07	10	< 1	0.54	30	1.46	595	< 1
BB 267	201	202	< 0.2	3.08	14	420	0.5	< 2	0.28	< 0.5	14	70	20	4.03	10	< 1	0.52	20	1.54	590	< 1
BB 268	201	202	< 0.2	1.66	< 2	270	< 0.5	< 2	0.22	0.5	8	52	20	2.67	< 10	3	0.45	10	0.69	485	1
BB 269	201	202	< 0.2	3.42	10	560	1.0	< 2	0.35	< 0.5	17	112	56	4.62	10	< 1	0.53	30	1.63	435	1
BB 270	201	202	< 0.2	3.67	8	690	0.5	< 2	0.48	< 0.5	19	148	53	4.56	10	< 1	0.65	20	1.92	495	2
BB 271	201	202	< 0.2	2.79	12	330	0.5	< 2	0.27	< 0.5	14	72	28	3.82	10	< 1	0.63	10	1.27	605	< 1
BB 272	201	202	< 0.2	3.41	2	460	0.5	2	0.20	< 0.5	13	133	35	3.51	< 10	< 1	0.37	20	1.55	405	1
BB 273	201	202	< 0.2	1.81	8	350	< 0.5	< 2	0.23	0.5	7	68	20	2.51	< 10	< 1	0.40	10	0.99	395	2
BB 274	201	202	< 0.2	2.83	12	360	2.0	< 2	0.17	0.5	14	61	47	3.31	10	< 1	0.39	120	1.64	660	9
BB 275	201	202	< 0.2	2.45	10	140	0.5	< 2	0.32	0.5	11	49	21	3.14	< 10	< 1	0.18	30	1.09	610	2
BB 276	201	202	0.2	4.72	8	1300	2.5	2	0.81	0.5	39	43	49	6.32	10	< 1	1.23	40	2.72	1225	< 1
BB 277	201	202	0.2	2.65	12	280	1.0	2	0.12	< 0.5	6	36	30	3.04	10	< 1	0.21	20	1.91	215	7
BB 278	201	202	< 0.2	2.93	2	300	< 0.5	< 2	0.11	< 0.5	12	168	28	4.45	10	< 1	0.31	10	1.73	280	< 1
BB 279	201	202	0.2	2.90	6	350	1.0	< 2	0.21	0.5	12	182	29	3.39	< 10	1	0.30	20	2.11	400	5
BB 280	201	202	< 0.2	0.75	< 2	80	< 0.5	< 2	0.03	< 0.5	4	22	10	1.28	< 10	1	0.08	10	0.24	100	< 1
BB 281	201	202	0.2	0.80	< 2	140	< 0.5	< 2	0.08	< 0.5	5	28	11	1.65	< 10	< 1	0.10	< 10	0.35	220	2
BB 282	201	202	< 0.2	1.50	< 2	100	< 0.5	< 2	0.34	< 0.5	7	43	18	1.96	< 10	< 1	0.09	10	0.85	180	2
BB 283	201	202	< 0.2	4.06	< 2	570	1.5	< 2	0.52	< 0.5	20	86	139	5.31	10	< 1	0.23	30	1.90	830	5
BB 284	201	202	< 0.2	2.73	6	110	0.5	< 2	0.30	< 0.5	13	109	33	3.17	< 10	< 1	0.10	10	1.49	275	1
BB 285	201	202	< 0.2	2.05	2	90	< 0.5	< 2	0.25	< 0.5	9	73	26	2.45	< 10	< 1	0.07	10	1.02	205	1
BB 286	201	202	< 0.2	2.30	4	350	0.5	< 2	0.65	0.5	11	81	36	3.09	< 10	< 1	0.30	30	1.58	415	1

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SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB 246	201	202	< 0.01	49	700	32	4	5	28	0.12	< 10	< 10	94	< 10	118
BB 247	201	202	< 0.01	32	530	12	6	4	16	0.09	< 10	< 10	67	< 10	110
BB 248	201	202	0.01	100	900	16	< 2	5	90	0.11	< 10	< 10	78	< 10	160
BB 250	201	202	0.01	85	840	8	8	8	70	0.12	< 10	< 10	143	< 10	168
BB 251	201	202	< 0.01	192	840	22	8	5	75	0.06	< 10	< 10	109	< 10	212
BB 252	201	202	0.01	57	1060	12	2	4	54	0.08	< 10	< 10	89	< 10	108
BB 253	201	202	< 0.01	94	500	18	< 2	5	41	0.09	< 10	< 10	84	< 10	146
BB 254	201	202	0.02	55	1180	16	< 2	10	81	0.15	< 10	< 10	146	< 10	130
BB 255	201	202	< 0.01	125	500	10	< 2	9	60	0.14	< 10	< 10	111	< 10	118
BB 256	201	202	0.01	69	740	12	< 2	6	32	0.14	< 10	< 10	101	< 10	132
BB 257	201	202	< 0.01	58	1000	28	6	4	23	0.06	< 10	< 10	111	< 10	160
BB 258	201	202	< 0.01	29	660	22	6	6	19	0.16	< 10	< 10	77	< 10	96
BB 259	201	202	< 0.01	30	780	12	< 2	6	12	0.15	< 10	< 10	88	< 10	82
BB 260	201	202	< 0.01	1735	120	16	< 2	8	33	0.01	< 10	< 10	29	< 10	34
BB 261	201	202	< 0.01	244	880	2	4	9	22	0.13	< 10	< 10	101	< 10	70
BB 262	201	202	< 0.01	37	810	10	8	7	23	0.22	< 10	< 10	98	< 10	92
BB 263	201	202	< 0.01	32	1120	8	< 2	5	27	0.13	< 10	< 10	78	< 10	88
BB 264	201	202	< 0.01	173	840	2	2	10	21	0.14	< 10	< 10	92	< 10	68
BB 265	201	202	< 0.01	41	1060	12	6	10	24	0.24	< 10	< 10	105	< 10	102
BB 266	201	202	< 0.01	35	970	8	< 2	7	32	0.21	< 10	< 10	86	< 10	90
BB 267	201	202	< 0.01	30	720	10	4	7	18	0.20	< 10	< 10	83	< 10	90
BB 268	201	202	< 0.01	26	940	12	< 2	1	16	0.07	< 10	< 10	67	< 10	74
BB 269	201	202	< 0.01	97	730	16	2	6	46	0.11	< 10	< 10	102	< 10	144
BB 270	201	202	< 0.01	107	890	6	6	8	52	0.17	< 10	< 10	107	< 10	116
BB 271	201	202	< 0.01	36	730	10	< 2	7	21	0.18	< 10	< 10	91	< 10	92
BB 272	201	202	< 0.01	72	870	10	2	4	33	0.10	< 10	< 10	96	< 10	100
BB 273	201	202	0.01	30	770	10	< 2	3	14	0.07	< 10	< 10	71	< 10	86
BB 274	201	202	< 0.01	76	710	30	10	3	14	0.03	< 10	< 10	96	< 10	234
BB 275	201	202	< 0.01	30	860	20	< 2	4	20	0.10	< 10	< 10	81	< 10	106
BB 276	201	202	0.03	42	2310	54	8	12	47	0.17	< 10	< 10	163	10	160
BB 277	201	202	< 0.01	25	410	28	6	3	6	0.02	< 10	< 10	78	< 10	132
BB 278	201	202	< 0.01	86	290	14	< 2	7	16	0.19	< 10	< 10	127	< 10	98
BB 279	201	202	< 0.01	85	710	30	< 2	4	26	0.05	< 10	< 10	94	< 10	142
BB 280	201	202	< 0.01	11	290	14	< 2	< 1	8	0.04	< 10	< 10	46	< 10	42
BB 281	201	202	< 0.01	14	400	10	< 2	1	5	0.05	< 10	< 10	63	< 10	48
BB 282	201	202	< 0.01	20	450	6	< 2	3	17	0.09	< 10	< 10	54	< 10	60
BB 283	201	202	< 0.01	58	770	20	< 2	8	35	0.12	< 10	< 10	125	< 10	152
BB 284	201	202	< 0.01	44	510	10	4	5	14	0.11	< 10	< 10	75	< 10	78
BB 285	201	202	0.01	30	440	6	< 2	3	14	0.09	< 10	< 10	62	< 10	56
BB 286	201	202	< 0.01	53	890	26	6	5	29	0.09	< 10	< 10	77	< 10	132

CERTIFICATION: Stuart Bichler

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

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Project : HAT TRICK
Comments: ATTN:EXPATRIATE RE.-WHITEHORSE FAX:EXPATRIATE RE.-VANCOUVER

CERTIFICATE OF ANALYSIS A9626932

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 287	201	202	0.2	2.49	2	300	1.0	< 2	0.34	< 0.5	11	68	35	3.19	< 10	< 1	0.33	30	1.59	470	3
BB 288	201	202	< 0.2	2.07	< 2	360	0.5	< 2	0.70	0.5	8	45	28	2.70	< 10	< 1	0.33	20	1.55	415	4
BB 289	201	202	0.2	2.44	2	360	0.5	< 2	0.25	0.5	10	116	27	3.17	< 10	< 1	0.29	20	1.55	330	4
BB 290	201	202	< 0.2	0.76	< 2	70	< 0.5	< 2	0.06	< 0.5	3	13	7	1.27	< 10	< 1	0.13	< 10	0.35	160	< 1
BB 291	201	202	0.2	2.79	2	300	0.5	< 2	0.31	< 0.5	10	80	22	3.79	< 10	< 1	0.31	10	1.27	400	1
BB 292	201	202	0.2	3.15	6	400	1.5	< 2	0.40	0.5	10	53	39	3.78	10	< 1	0.31	40	2.04	485	3
BB 293	201	202	< 0.2	2.58	8	430	1.5	< 2	0.42	0.5	13	64	51	3.78	< 10	< 1	0.36	40	1.65	560	4
BB 294	201	202	< 0.2	1.23	2	70	< 0.5	< 2	0.06	< 0.5	3	13	8	1.76	< 10	< 1	0.14	< 10	0.63	160	< 1
BB 295	201	202	0.2	2.52	8	730	1.0	< 2	0.13	< 0.5	14	79	91	4.53	< 10	< 1	0.46	60	1.39	320	3
BB 296	201	202	< 0.2	1.35	< 2	230	< 0.5	< 2	0.08	< 0.5	5	49	16	1.99	< 10	< 1	0.27	< 10	0.77	380	1
BB 297	201	202	< 0.2	2.53	2	410	0.5	< 2	0.15	< 0.5	11	104	31	3.04	< 10	< 1	0.35	10	1.35	370	< 1
BB 298	201	202	0.2	2.26	2	230	0.5	< 2	0.35	< 0.5	8	45	36	2.85	< 10	< 1	0.13	30	1.18	245	1
BB 299	201	202	0.2	2.19	< 2	260	0.5	< 2	0.56	< 0.5	10	56	32	2.75	< 10	< 1	0.25	50	1.34	350	3
BB 300	201	202	0.2	2.41	4	210	1.0	< 2	0.76	0.5	11	52	36	2.95	< 10	< 1	0.22	40	1.49	420	2
BB 301	201	202	< 0.2	1.96	2	240	0.5	< 2	0.61	0.5	11	41	36	2.84	< 10	< 1	0.43	20	1.28	510	< 1
BB 302	201	202	< 0.2	2.17	2	260	0.5	2	0.75	< 0.5	12	43	36	2.79	< 10	< 1	0.37	30	1.32	435	< 1
BB 303	201	202	0.2	2.22	2	260	0.5	< 2	0.59	< 0.5	12	58	31	3.09	< 10	< 1	0.45	30	1.60	390	< 1
BB 304	201	202	< 0.2	2.82	2	300	1.0	2	0.68	< 0.5	16	50	85	3.45	< 10	< 1	0.33	30	1.57	650	< 1
BB 305	201	202	0.4	1.53	< 2	110	0.5	< 2	0.15	< 0.5	7	34	19	2.31	< 10	< 1	0.14	10	0.89	200	< 1
BB 306	201	202	< 0.2	0.99	< 2	60	< 0.5	2	0.14	< 0.5	4	26	10	1.74	< 10	< 1	0.07	< 10	0.51	325	1
BB 307	201	202	0.2	2.20	< 2	110	0.5	< 2	0.39	< 0.5	15	24	31	2.93	< 10	< 1	0.29	< 10	1.37	355	< 1
BB 308	201	202	0.2	2.91	2	170	0.5	2	0.45	1.0	16	28	65	4.02	< 10	< 1	0.51	10	1.80	315	< 1
BB 309	201	202	1.6	1.35	< 2	770	< 0.5	6	0.23	0.5	6	22	85	2.71	< 10	< 1	0.36	20	0.84	220	9
BB 310	201	202	< 0.2	1.39	2	180	< 0.5	< 2	0.12	< 0.5	4	24	11	1.82	< 10	< 1	0.30	10	0.81	220	1
BB 311	201	202	0.2	1.51	4	250	< 0.5	< 2	0.07	< 0.5	4	34	16	2.66	< 10	< 1	0.32	10	0.68	310	3
BB 312	201	202	< 0.2	2.84	2	100	1.5	< 2	0.37	< 0.5	13	54	30	3.49	< 10	< 1	0.18	30	1.01	395	< 1
BB 313	201	202	< 0.2	3.86	< 2	100	2.0	2	1.12	< 0.5	21	64	37	4.07	10	< 1	0.25	30	1.57	625	< 1
BB 314	201	202	< 0.2	3.58	34	100	1.5	2	0.68	< 0.5	18	78	58	3.76	10	< 1	0.14	20	1.45	480	< 1
BB 315	201	202	< 0.2	3.43	4	100	1.0	2	0.36	< 0.5	20	56	27	4.27	10	< 1	0.45	30	1.01	230	< 1
BB 316	201	202	< 0.2	2.35	< 2	100	0.5	< 2	0.25	< 0.5	12	42	23	3.54	< 10	< 1	0.46	20	0.89	225	< 1
BB 317	201	202	< 0.2	3.34	< 2	110	1.0	2	0.64	< 0.5	15	48	25	3.89	10	< 1	0.42	30	0.92	315	< 1
BB 318	201	202	< 0.2	2.85	< 2	60	1.0	< 2	0.38	< 0.5	16	43	25	4.21	< 10	< 1	0.17	50	1.16	390	< 1
BB 319	201	202	< 0.2	3.18	< 2	70	1.0	< 2	0.17	< 0.5	16	42	59	6.02	< 10	< 1	0.23	30	1.01	390	< 1
BB 320	201	202	< 0.2	3.03	2	100	0.5	< 2	0.66	< 0.5	12	51	22	3.69	< 10	< 1	0.21	40	1.03	445	< 1
BB 321	201	202	< 0.2	3.88	4	100	1.0	2	0.84	< 0.5	17	54	38	4.19	10	< 1	0.44	40	1.23	405	< 1
BB 322	201	202	< 0.2	3.32	8	70	1.0	< 2	0.75	< 0.5	16	50	29	4.34	10	< 1	0.26	40	1.30	345	< 1
BB 323	201	202	< 0.2	3.63	< 2	70	1.0	2	0.60	< 0.5	19	51	37	4.11	< 10	1	0.54	50	1.25	235	< 1
BB 324	201	202	< 0.2	4.52	< 2	70	1.0	2	1.11	< 0.5	14	58	30	3.83	10	< 1	0.21	40	1.23	385	< 1
BB 325	201	202	< 0.2	3.89	12	100	1.0	< 2	1.17	< 0.5	16	49	25	3.83	10	< 1	0.20	30	1.23	510	< 1
BB 326	201	202	< 0.2	3.54	< 2	90	0.5	2	0.80	< 0.5	16	53	33	4.09	10	< 1	0.31	30	1.27	340	< 1

CERTIFICATION: Stuart Bradley

Chemex Labs Ltd.

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BB 287	201	202	< 0.01	47	760	36	< 2	5	21	0.07	< 10	< 10	87	< 10	128
BB 288	201	202	< 0.01	31	720	40	< 2	4	32	0.06	< 10	< 10	67	< 10	120
BB 289	201	202	< 0.01	64	910	24	< 2	4	31	0.07	< 10	< 10	90	< 10	128
BB 290	201	202	0.02	7	300	8	< 2	< 1	7	0.06	< 10	< 10	37	< 10	36
BB 291	201	202	< 0.01	50	530	10	< 2	6	25	0.15	< 10	< 10	91	< 10	108
BB 292	201	202	< 0.01	42	780	48	< 2	5	19	0.05	< 10	< 10	81	< 10	150
BB 293	201	202	< 0.01	64	700	22	< 2	5	18	0.06	< 10	< 10	104	< 10	166
BB 294	201	202	< 0.01	8	370	20	< 2	< 1	7	0.05	< 10	< 10	25	< 10	60
BB 295	201	202	< 0.01	81	340	18	< 2	5	18	0.08	< 10	< 10	83	< 10	162
BB 296	201	202	< 0.01	21	490	6	< 2	1	7	0.05	< 10	< 10	56	< 10	72
BB 297	201	202	< 0.01	64	530	8	< 2	5	31	0.09	< 10	< 10	85	< 10	84
BB 298	201	202	< 0.01	29	500	22	< 2	3	26	0.07	< 10	< 10	71	< 10	108
BB 299	201	202	< 0.01	33	1010	20	< 2	4	27	0.09	< 10	< 10	72	< 10	112
BB 300	201	202	< 0.01	28	1090	20	< 2	5	34	0.11	< 10	< 10	76	< 10	122
BB 301	201	202	< 0.01	23	1040	12	< 2	5	28	0.13	< 10	< 10	69	< 10	102
BB 302	201	202	0.01	26	950	14	2	5	33	0.12	< 10	< 10	68	< 10	100
BB 303	201	202	< 0.01	35	1130	18	< 2	5	22	0.16	< 10	< 10	78	< 10	112
BB 304	201	202	< 0.01	34	1140	20	< 2	6	41	0.16	< 10	< 10	87	< 10	112
BB 305	201	202	0.01	18	610	22	< 2	3	11	0.11	< 10	< 10	60	< 10	70
BB 306	201	202	< 0.01	11	460	18	< 2	1	10	0.10	< 10	< 10	62	< 10	48
BB 307	201	202	0.01	14	1160	6	< 2	4	16	0.11	< 10	< 10	89	< 10	110
BB 308	201	202	< 0.01	17	1380	16	< 2	7	17	0.21	< 10	< 10	115	< 10	240
BB 309	201	202	0.01	8	1090	650	< 2	3	17	0.09	< 10	< 10	44	< 10	104
BB 310	201	202	< 0.01	12	490	10	< 2	3	11	0.09	< 10	< 10	46	< 10	54
BB 311	201	202	< 0.01	17	450	14	< 2	3	14	0.12	< 10	< 10	79	< 10	72
BB 312	201	202	< 0.01	34	660	10	< 2	5	42	0.13	< 10	< 10	60	< 10	78
BB 313	201	202	0.03	52	560	12	< 2	9	164	0.16	< 10	< 10	62	< 10	98
BB 314	201	202	0.01	54	510	10	< 2	8	60	0.14	< 10	< 10	86	< 10	94
BB 315	201	202	< 0.01	58	580	12	< 2	6	55	0.15	< 10	< 10	53	< 10	106
BB 316	201	202	< 0.01	30	590	10	< 2	5	28	0.12	< 10	< 10	42	< 10	64
BB 317	201	202	0.01	39	740	12	2	6	57	0.15	< 10	< 10	49	< 10	86
BB 318	201	202	< 0.01	45	650	14	< 2	4	48	0.06	< 10	< 10	43	< 10	106
BB 319	201	202	< 0.01	48	600	14	2	4	18	0.05	< 10	< 10	40	< 10	96
BB 320	201	202	0.01	34	570	12	< 2	5	98	0.13	< 10	< 10	54	< 10	84
BB 321	201	202	0.03	66	550	12	< 2	7	140	0.15	< 10	< 10	51	< 10	98
BB 322	201	202	0.04	48	540	12	< 2	7	119	0.11	< 10	< 10	48	< 10	132
BB 323	201	202	0.01	65	450	8	< 2	6	77	0.15	< 10	< 10	49	< 10	100
BB 324	201	202	0.08	40	750	12	4	7	203	0.14	< 10	< 10	53	< 10	90
BB 325	201	202	0.06	35	740	10	< 2	6	209	0.12	< 10	< 10	47	< 10	92
BB 326	201	202	0.03	47	430	8	< 2	6	104	0.13	< 10	< 10	50	< 10	80

CERTIFICATION: Hart Bichler

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Analytical Chemists * Geochemists * Registered Assayers

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SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
BB 327	201	202	< 0.2	4.29	2	90	0.5	2	1.12	< 0.5	16	58	25	4.26	10	< 1	0.45	20	1.27	585	< 1
BB 328	201	202	< 0.2	5.73	6	90	1.0	2	3.02	< 0.5	25	60	44	5.21	10	< 1	0.41	30	1.31	1300	< 1
BB 329	201	202	< 0.2	3.91	< 2	30	0.5	< 2	8.84	< 0.5	16	39	35	3.44	10	< 1	0.24	20	0.80	445	< 1
BB 330	201	202	< 0.2	5.75	34	40	1.5	2	5.05	< 0.5	27	46	59	4.23	10	< 1	0.33	30	1.84	425	< 1
BB 331	201	202	< 0.2	2.33	< 2	40	1.5	< 2	3.88	< 0.5	37	60	73	6.05	10	< 1	0.46	70	1.13	350	< 1
BB 332	201	202	< 0.2	2.86	2	60	1.0	< 2	1.19	< 0.5	36	34	115	4.49	< 10	< 1	0.34	60	0.96	245	< 1
BB 333	201	202	< 0.2	3.69	6	80	1.0	2	1.47	< 0.5	20	54	66	5.14	10	< 1	0.36	60	1.20	430	< 1
BB 334	201	202	< 0.2	4.58	8	70	1.5	< 2	1.70	< 0.5	18	59	32	4.73	10	< 1	0.23	30	1.44	545	< 1
BB 335	201	202	< 0.2	5.44	< 2	40	1.0	< 2	3.39	< 0.5	17	50	34	4.30	10	< 1	0.35	20	1.26	585	< 1
BB 336	201	202	< 0.2	5.01	< 2	50	1.0	2	4.87	< 0.5	21	49	30	4.77	10	< 1	0.41	30	1.54	440	< 1
BB 337	201	202	< 0.2	5.63	20	70	1.5	2	1.41	< 0.5	20	57	22	5.06	10	< 1	0.14	30	1.40	635	< 1
BB 338	201	202	< 0.2	4.47	18	70	1.5	< 2	0.73	< 0.5	19	59	27	4.84	10	< 1	0.10	30	2.19	410	< 1
BB 339	201	202	< 0.2	4.80	< 2	10	1.5	2	1.59	< 0.5	10	52	29	4.02	10	< 1	0.09	10	0.99	125	< 1
BB 340	201	202	< 0.2	3.92	< 2	40	1.5	2	2.27	< 0.5	18	36	33	3.68	10	1	0.18	30	0.84	415	< 1
BB 341	201	202	< 0.2	4.62	< 2	40	1.5	< 2	3.03	< 0.5	20	46	36	4.22	10	< 1	0.32	30	1.11	375	< 1
BB 342	201	202	< 0.2	3.91	< 2	30	1.0	< 2	3.28	< 0.5	18	32	31	3.41	10	< 1	0.25	40	0.78	260	< 1
BB 343	201	202	< 0.2	5.23	< 2	80	1.5	< 2	2.58	< 0.5	25	56	48	5.12	10	< 1	0.47	50	1.28	575	< 1
BB 344	201	202	< 0.2	4.03	6	50	2.0	2	4.34	< 0.5	25	51	59	5.75	10	< 1	0.30	50	1.01	445	< 1
BB 345	201	202	< 0.2	4.00	< 2	110	1.0	2	1.38	< 0.5	24	95	68	5.13	10	< 1	0.62	50	1.47	275	< 1
BB 346	201	202	< 0.2	3.69	< 2	110	1.5	< 2	1.10	< 0.5	25	107	83	5.17	10	< 1	0.51	50	1.41	265	< 1
BB 347	201	202	< 0.2	2.85	< 2	110	1.0	2	0.38	< 0.5	22	77	49	4.69	< 10	< 1	0.26	40	1.28	360	1
BB 348	201	202	< 0.2	2.43	2	150	0.5	< 2	0.29	< 0.5	18	76	42	4.51	< 10	< 1	0.42	30	1.22	290	< 1
BB 349	201	202	< 0.2	2.63	< 2	110	0.5	2	0.25	< 0.5	18	64	47	4.58	< 10	< 1	0.37	40	1.22	200	< 1
BB 350	201	202	< 0.2	2.89	< 2	120	0.5	2	0.52	< 0.5	20	86	39	4.04	< 10	< 1	0.30	40	1.52	305	< 1
BB 351	201	202	< 0.2	2.32	< 2	100	< 0.5	< 2	0.14	< 0.5	12	80	28	3.53	< 10	1	0.23	10	1.14	405	< 1
BB 352	201	202	< 0.2	2.15	2	70	< 0.5	< 2	0.10	< 0.5	10	59	33	3.51	< 10	< 1	0.16	10	0.94	210	1
BB 353	201	202	< 0.2	2.29	< 2	110	0.5	< 2	0.24	< 0.5	19	97	51	4.87	< 10	< 1	0.22	50	1.21	615	< 1
BB 354	201	202	< 0.2	1.97	< 2	40	< 0.5	< 2	0.27	< 0.5	13	129	67	2.41	< 10	< 1	0.03	< 10	1.18	235	< 1
BB 355	201	202	< 0.2	1.78	2	490	0.5	< 2	0.45	0.5	29	94	136	5.45	< 10	< 1	0.18	10	0.80	1440	2
BB 356	201	202	< 0.2	1.70	2	120	< 0.5	< 2	0.28	< 0.5	54	556	96	4.70	< 10	< 1	0.08	< 10	2.08	1055	< 1
BB 357	201	202	< 0.2	1.16	< 2	360	0.5	< 2	0.45	< 0.5	45	74	110	7.25	< 10	< 1	0.18	< 10	0.52	1860	1
BB 358	201	202	0.2	2.92	< 2	210	0.5	< 2	0.77	0.5	23	94	103	5.61	< 10	< 1	0.16	40	1.70	610	4
BB 359	201	202	< 0.2	4.58	< 2	210	< 0.5	< 2	0.61	< 0.5	37	198	565	5.59	< 10	< 1	0.07	< 10	3.49	1735	1
BB 360	201	202	< 0.2	2.88	6	130	< 0.5	2	0.34	< 0.5	16	93	17	3.94	< 10	< 1	0.16	< 10	1.83	525	< 1
BB 361	201	202	< 0.2	2.82	2	120	< 0.5	2	0.45	< 0.5	22	133	26	3.91	< 10	< 1	0.09	< 10	1.92	480	< 1
BB 362	201	202	< 0.2	2.68	< 2	330	0.5	2	0.64	< 0.5	20	117	37	4.41	< 10	< 1	0.47	30	1.71	685	< 1
BB 363	201	202	< 0.2	3.32	< 2	310	< 0.5	2	0.10	< 0.5	10	93	25	4.19	10	< 1	0.31	< 10	1.78	465	4
BB 364	201	202	< 0.2	2.91	4	280	< 0.5	2	0.60	< 0.5	17	121	45	4.11	< 10	< 1	0.19	10	1.89	505	1
BB 365	201	202	< 0.2	3.33	2	220	< 0.5	2	0.63	< 0.5	15	108	49	4.43	10	< 1	0.21	40	2.05	670	1
BB 366	201	202	< 0.2	3.35	< 2	410	< 0.5	2	0.62	< 0.5	22	226	31	4.25	10	1	0.32	< 10	2.59	520	< 1

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SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB 327	201	202	0.10	38	460	12	< 2	8	245	0.17	< 10	< 10	56	< 10	84
BB 328	201	202	0.13	58	610	18	< 2	10	586	0.17	< 10	< 10	56	< 10	104
BB 329	201	202	0.09	35	330	12	2	6	797	0.10	< 10	< 10	33	< 10	84
BB 330	201	202	0.05	58	520	14	2	7	676	0.10	< 10	< 10	46	< 10	130
BB 331	201	202	0.01	89	360	20	< 2	8	168	0.03	< 10	< 10	44	< 10	124
BB 332	201	202	0.01	83	1020	12	< 2	4	94	0.10	< 10	< 10	45	< 10	158
BB 333	201	202	0.03	50	510	16	< 2	8	214	0.14	< 10	< 10	54	< 10	104
BB 334	201	202	0.09	43	560	12	2	9	329	0.13	< 10	< 10	56	< 10	108
BB 335	201	202	0.08	38	400	10	< 2	7	640	0.13	< 10	< 10	47	< 10	92
BB 336	201	202	0.09	48	490	10	2	8	746	0.14	< 10	< 10	49	< 10	106
BB 337	201	202	0.02	49	450	20	2	8	315	0.12	< 10	< 10	59	< 10	86
BB 338	201	202	< 0.01	43	710	12	2	7	109	0.07	< 10	< 10	58	< 10	96
BB 339	201	202	< 0.01	20	520	20	< 2	4	204	0.17	< 10	< 10	48	< 10	70
BB 340	201	202	0.04	41	380	16	< 2	6	375	0.10	< 10	< 10	35	< 10	94
BB 341	201	202	0.08	44	440	10	< 2	7	590	0.11	< 10	< 10	42	< 10	96
BB 342	201	202	0.03	44	440	8	< 2	4	396	0.08	< 10	< 10	30	< 10	94
BB 343	201	202	0.12	58	610	20	< 2	8	526	0.16	< 10	< 10	53	< 10	128
BB 344	201	202	0.09	63	930	18	< 2	7	366	0.13	< 10	< 10	53	< 10	136
BB 345	201	202	0.03	74	730	8	< 2	7	137	0.14	< 10	< 10	56	< 10	108
BB 346	201	202	0.01	84	880	8	< 2	6	91	0.16	< 10	< 10	55	< 10	104
BB 347	201	202	0.01	64	770	14	< 2	6	30	0.10	< 10	< 10	69	< 10	120
BB 348	201	202	< 0.01	49	760	10	< 2	5	22	0.14	< 10	< 10	65	< 10	78
BB 349	201	202	< 0.01	57	740	8	< 2	5	21	0.11	< 10	< 10	58	< 10	102
BB 350	201	202	< 0.01	54	830	6	2	7	23	0.17	< 10	< 10	75	< 10	82
BB 351	201	202	< 0.01	33	550	6	2	4	11	0.12	< 10	< 10	71	< 10	64
BB 352	201	202	< 0.01	31	570	4	< 2	3	11	0.07	< 10	< 10	58	< 10	60
BB 353	201	202	< 0.01	61	670	8	< 2	8	16	0.05	< 10	< 10	62	< 10	84
BB 354	201	202	0.01	69	350	< 2	< 2	4	8	0.04	< 10	< 10	63	< 10	28
BB 355	201	202	< 0.01	102	1130	24	< 2	11	19	< 0.01	< 10	< 10	85	< 10	188
BB 356	201	202	< 0.01	559	280	6	2	16	10	< 0.01	< 10	< 10	77	< 10	60
BB 357	201	202	< 0.01	109	800	4	< 2	29	12	< 0.01	< 10	< 10	125	< 10	122
BB 358	201	202	0.04	78	1090	12	2	11	50	0.03	< 10	< 10	107	< 10	144
BB 359	201	202	< 0.01	67	540	2	2	23	14	0.01	< 10	< 10	174	< 10	134
BB 360	201	202	< 0.01	35	840	4	< 2	5	15	0.28	< 10	< 10	133	< 10	56
BB 361	201	202	< 0.01	60	920	2	2	4	20	0.23	< 10	< 10	137	< 10	80
BB 362	201	202	< 0.01	52	870	< 2	2	5	19	0.20	< 10	< 10	103	< 10	110
BB 363	201	202	< 0.01	29	550	10	< 2	9	8	0.18	< 10	< 10	163	< 10	120
BB 364	201	202	< 0.01	56	1150	8	< 2	8	19	0.17	< 10	< 10	120	< 10	112
BB 365	201	202	< 0.01	38	640	8	< 2	8	22	0.18	< 10	< 10	125	< 10	104
BB 366	201	202	< 0.01	87	640	2	< 2	5	18	0.24	< 10	< 10	103	< 10	78

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
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Account : MPO

Project : HAT TRICK
Comments: ATTN:EXPATRIATE RE.-WHITEHORSE FAX:EXPATRIATE RE.-VANCOUVER

CERTIFICATE OF ANALYSIS A9626932

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 367	201	202	< 0.2	2.75	6	180	< 0.5	2	0.16	< 0.5	11	115	26	3.93	< 10	< 1	0.16	< 10	1.37	415	1
BB 368	201	202	0.2	2.30	10	190	< 0.5	2	0.12	< 0.5	9	62	25	4.05	< 10	< 1	0.27	10	1.29	415	1
BB 369	201	202	0.2	3.20	8	360	0.5	2	0.15	< 0.5	12	85	34	4.67	< 10	< 1	0.49	10	1.51	515	1
BB 370	201	202	0.2	2.12	2	180	< 0.5	< 2	0.07	< 0.5	10	54	46	3.68	< 10	< 1	0.25	20	0.85	585	3
BB 371	201	202	< 0.2	2.56	4	360	0.5	< 2	0.20	< 0.5	18	77	67	5.45	< 10	< 1	0.31	30	1.08	735	5
BB 372	201	202	0.2	2.31	< 2	180	< 0.5	< 2	0.11	< 0.5	8	56	38	3.95	< 10	< 1	0.17	10	0.86	395	3
BB 373	201	202	0.2	2.91	2	420	0.5	< 2	0.19	< 0.5	13	68	64	4.93	< 10	< 1	0.28	70	0.97	950	4
BB 374	201	202	0.2	2.70	< 2	460	< 0.5	< 2	0.11	< 0.5	11	96	52	4.62	10	< 1	0.35	20	1.19	545	4
BB 375	201	202	0.2	2.68	4	250	0.5	< 2	0.32	< 0.5	14	72	52	4.38	< 10	< 1	0.44	30	1.18	550	1
BB 376	201	202	0.4	2.28	4	310	0.5	< 2	0.10	< 0.5	15	55	73	4.59	< 10	< 1	0.36	30	0.99	570	4
BB 377	201	202	0.6	1.14	2	240	< 0.5	< 2	0.05	0.5	11	47	73	3.35	< 10	< 1	0.14	40	0.42	435	15
BB 378	201	202	0.2	2.82	4	180	0.5	2	0.08	< 0.5	12	89	57	5.07	10	< 1	0.22	10	1.21	450	1
BB 379	201	202	< 0.2	1.10	2	210	0.5	< 2	0.15	< 0.5	5	13	13	2.30	< 10	< 1	0.20	40	0.63	445	< 1
BB 380	201	202	0.2	2.33	12	360	0.5	< 2	0.23	< 0.5	14	97	39	4.14	< 10	< 1	0.34	30	1.37	710	1
BB 381	201	202	0.6	3.37	8	660	0.5	4	0.41	0.5	32	106	100	6.80	10	< 1	0.81	30	1.86	1035	6
BB 382	201	202	0.2	3.62	< 2	180	0.5	2	1.00	< 0.5	36	229	67	4.81	10	< 1	0.36	< 10	3.27	605	< 1
BB 383	201	202	0.2	3.02	4	200	0.5	2	0.62	< 0.5	30	116	35	4.55	< 10	< 1	0.31	10	1.86	925	< 1
BB 384	201	202	0.2	3.61	6	440	0.5	< 2	0.82	< 0.5	28	104	68	5.60	10	< 1	0.60	10	2.21	1055	< 1
BB 385	201	202	0.2	3.57	8	200	0.5	2	0.47	< 0.5	24	109	34	5.23	10	< 1	0.29	< 10	1.82	595	1
BB 386	201	202	0.6	3.55	6	460	0.5	< 2	0.47	0.5	24	90	71	4.50	10	< 1	0.52	30	1.59	850	5
BB 387	201	202	0.2	3.00	6	270	0.5	2	0.28	< 0.5	16	76	92	4.56	10	< 1	0.22	10	1.16	570	6
BB 388	201	202	0.2	1.91	2	170	0.5	< 2	0.28	< 0.5	7	35	21	2.55	< 10	< 1	0.24	30	1.01	410	1
BB 389	201	202	0.2	3.83	< 2	260	3.5	2	0.73	< 0.5	12	61	88	4.37	10	< 1	0.12	60	1.41	565	2
BB 390	201	202	0.2	3.43	2	250	1.5	< 2	1.52	< 0.5	16	62	100	3.51	< 10	< 1	0.23	10	1.34	475	1
BB 391	201	202	< 0.2	2.60	6	160	1.0	< 2	0.49	< 0.5	15	68	67	4.01	< 10	< 1	0.14	10	1.39	605	4
BB 392	201	202	< 0.2	0.85	< 2	30	< 0.5	< 2	0.21	< 0.5	< 1	2	6	0.30	< 10	< 1	0.03	< 10	0.05	45	< 1
BB 393	201	202	< 0.2	2.86	2	170	1.5	< 2	0.38	< 0.5	13	45	52	3.31	< 10	< 1	0.07	30	1.20	450	2
BB 394	201	202	< 0.2	2.81	< 2	170	1.0	2	1.33	< 0.5	12	39	100	2.42	< 10	< 1	0.14	10	1.10	310	< 1
BB 395	201	202	0.8	2.12	16	210	2.5	< 2	0.49	1.0	21	34	85	5.53	< 10	< 1	0.19	30	0.77	665	12
BB 396	201	202	< 0.2	3.69	2	240	2.0	2	1.31	< 0.5	22	48	122	2.94	10	< 1	0.12	30	1.34	385	1
BB 397	201	202	0.2	3.92	< 2	300	1.5	< 2	0.99	< 0.5	17	42	92	3.86	10	< 1	0.18	30	1.57	460	3
BB 398	201	202	0.2	2.51	< 2	240	1.0	< 2	0.48	< 0.5	18	64	46	3.37	< 10	< 1	0.13	30	1.21	975	5
BB 399	201	202	0.2	2.35	6	200	0.5	< 2	0.71	0.5	14	47	47	3.10	< 10	< 1	0.13	10	1.16	405	2
BB 400	201	202	< 0.2	2.63	4	340	0.5	2	0.76	< 0.5	12	52	25	3.40	< 10	< 1	0.11	20	1.55	270	1
BB 401	201	202	< 0.2	2.35	6	80	< 0.5	< 2	0.46	< 0.5	9	42	11	3.91	< 10	< 1	0.06	10	1.11	195	< 1
BB 402	201	202	< 0.2	1.78	2	80	0.5	< 2	0.48	< 0.5	8	32	16	2.28	< 10	< 1	0.15	10	0.85	240	< 1
BB 403	201	202	< 0.2	2.14	< 2	160	0.5	< 2	0.52	< 0.5	11	46	27	2.86	< 10	< 1	0.11	20	1.44	320	< 1
BB 404	201	202	0.2	2.63	2	150	1.0	< 2	0.52	< 0.5	14	71	29	3.89	< 10	< 1	0.12	10	1.22	550	4
BB 405	201	202	0.4	3.53	< 2	140	1.5	< 2	0.42	< 0.5	10	53	54	3.15	< 10	< 1	0.10	20	1.02	355	2
BB 406	201	202	< 0.2	3.97	< 2	250	1.5	< 2	1.27	< 0.5	12	41	96	2.92	< 10	< 1	0.14	10	1.28	360	< 1

CERTIFICATION: Hart Bichler

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SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
BB 367	201	202	< 0.01	45	650	10	< 2	4	12	0.15	< 10	< 10	102	< 10	82
BB 368	201	202	< 0.01	32	640	16	< 2	4	14	0.13	< 10	< 10	89	< 10	118
BB 369	201	202	< 0.01	40	890	10	< 2	7	13	0.13	< 10	< 10	110	< 10	106
BB 370	201	202	0.01	35	850	12	< 2	2	14	0.07	< 10	< 10	83	< 10	104
BB 371	201	202	< 0.01	71	1080	18	< 2	5	24	0.09	< 10	< 10	133	< 10	202
BB 372	201	202	< 0.01	32	840	10	< 2	3	16	0.06	< 10	< 10	85	< 10	96
BB 373	201	202	< 0.01	47	1880	28	< 2	2	25	0.05	< 10	< 10	87	< 10	172
BB 374	201	202	< 0.01	69	990	10	< 2	4	19	0.10	< 10	< 10	139	< 10	172
BB 375	201	202	< 0.01	56	1080	10	< 2	6	24	0.10	< 10	< 10	84	< 10	128
BB 376	201	202	< 0.01	48	1100	30	< 2	4	22	0.07	< 10	< 10	83	< 10	186
BB 377	201	202	< 0.01	80	930	42	2	1	40	0.03	< 10	< 10	209	< 10	364
BB 378	201	202	< 0.01	46	750	24	2	4	10	0.08	< 10	< 10	108	< 10	98
BB 379	201	202	0.01	6	320	48	< 2	3	20	0.03	< 10	< 10	13	< 10	104
BB 380	201	202	< 0.01	67	770	26	2	6	18	0.09	< 10	< 10	80	< 10	120
BB 381	201	202	0.02	87	1190	20	< 2	12	41	0.14	< 10	< 10	154	< 10	210
BB 382	201	202	< 0.01	127	880	4	< 2	10	28	0.18	< 10	< 10	141	< 10	88
BB 383	201	202	< 0.01	84	1260	8	< 2	7	24	0.22	< 10	< 10	123	< 10	98
BB 384	201	202	0.01	74	1270	12	2	13	25	0.20	< 10	< 10	162	< 10	126
BB 385	201	202	< 0.01	50	910	8	< 2	9	22	0.26	< 10	< 10	152	< 10	100
BB 386	201	202	0.01	73	810	16	< 2	9	35	0.16	< 10	< 10	130	< 10	158
BB 387	201	202	0.01	57	1050	12	< 2	6	15	0.16	< 10	< 10	133	< 10	126
BB 388	201	202	0.01	15	680	80	< 2	3	15	0.07	< 10	< 10	38	< 10	146
BB 389	201	202	0.01	35	780	26	2	7	54	0.07	< 10	< 10	103	< 10	136
BB 390	201	202	0.01	41	840	10	4	8	114	0.10	< 10	< 10	94	< 10	100
BB 391	201	202	< 0.01	53	780	16	< 2	6	20	0.13	< 10	< 10	107	< 10	128
BB 392	201	202	0.06	1	350	< 2	< 2	< 1	12	0.01	< 10	< 10	6	< 10	6
BB 393	201	202	< 0.01	24	980	18	< 2	6	32	0.11	< 10	< 10	92	< 10	94
BB 394	201	202	0.03	17	720	10	< 2	6	85	0.13	< 10	< 10	78	< 10	46
BB 395	201	202	< 0.01	59	810	28	< 2	8	24	< 0.01	< 10	< 10	62	< 10	166
BB 396	201	202	0.02	50	750	12	< 2	8	87	0.16	< 10	< 10	107	< 10	78
BB 397	201	202	0.01	34	870	18	< 2	8	82	0.13	< 10	< 10	95	< 10	114
BB 398	201	202	< 0.01	22	1040	10	< 2	7	23	0.12	< 10	< 10	112	< 10	100
BB 399	201	202	0.01	38	980	12	< 2	6	36	0.13	< 10	< 10	82	< 10	110
BB 400	201	202	0.01	27	860	12	< 2	8	33	0.19	< 10	< 10	96	< 10	84
BB 401	201	202	0.01	19	1100	8	< 2	5	16	0.15	< 10	< 10	79	< 10	54
BB 402	201	202	0.01	17	1520	8	< 2	4	15	0.12	< 10	< 10	64	< 10	50
BB 403	201	202	0.01	27	840	10	2	6	23	0.15	< 10	< 10	77	< 10	78
BB 404	201	202	< 0.01	30	780	18	< 2	7	27	0.15	< 10	< 10	114	< 10	128
BB 405	201	202	0.01	21	1200	10	< 2	5	30	0.08	< 10	< 10	87	< 10	62
BB 406	201	202	0.03	19	850	10	< 2	7	86	0.15	< 10	< 10	92	< 10	48

CERTIFICATION: Stewart Bichler

Chemex Labs Ltd.

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BB 407	201	202	< 0.2	3.02	< 2	250	1.0	< 2	1.16	< 0.5	13	38	64	2.63	< 10	< 1	0.13	10	1.18	340	< 1
BB 408	201	202	0.6	2.44	6	220	2.5	< 2	0.74	0.5	20	40	85	5.06	< 10	< 1	0.17	30	0.93	680	10
BB 409	201	202	< 0.2	4.30	< 2	230	2.0	< 2	1.07	< 0.5	14	48	88	3.31	< 10	1	0.12	10	1.26	370	< 1
BB 410	201	202	0.6	3.92	< 2	360	2.0	< 2	0.62	< 0.5	13	71	108	3.95	< 10	< 1	0.26	20	1.47	450	3
BB 411	201	202	< 0.2	2.00	2	130	0.5	8	0.38	< 0.5	10	46	17	2.97	< 10	< 1	0.15	10	1.12	310	1
BB 412	201	202	< 0.2	1.84	2	160	0.5	< 2	0.43	< 0.5	7	31	15	2.61	< 10	< 1	0.19	20	1.06	495	1
BB 413	201	202	< 0.2	1.38	< 2	150	0.5	< 2	0.44	< 0.5	7	36	13	1.97	< 10	< 1	0.18	10	0.97	225	1
BB 414	201	202	< 0.2	2.35	6	220	1.0	< 2	0.40	< 0.5	9	51	16	3.19	< 10	< 1	0.40	20	1.40	355	1
BB 415	201	202	< 0.2	2.30	4	180	0.5	2	0.46	< 0.5	10	44	16	2.96	< 10	< 1	0.20	20	1.35	330	1
BB 416	201	202	< 0.2	2.24	< 2	110	0.5	< 2	0.24	< 0.5	6	30	8	2.40	< 10	< 1	0.18	10	0.96	205	< 1
BB 417	201	202	0.8	2.90	6	240	1.5	< 2	0.61	< 0.5	10	46	50	2.75	< 10	< 1	0.14	30	0.97	570	3
BB 418	201	202	< 0.2	2.53	< 2	80	0.5	< 2	0.43	< 0.5	8	37	38	3.12	< 10	< 1	0.08	10	0.85	250	< 1
BB 419	201	202	0.2	3.39	2	330	1.5	2	1.06	< 0.5	13	41	72	3.44	< 10	< 1	0.16	20	1.10	395	1
BB 420	201	202	0.6	2.94	6	320	2.5	< 2	0.69	0.5	24	49	114	5.24	< 10	< 1	0.23	30	1.30	770	18
BB 421	201	202	< 0.2	2.09	< 2	140	0.5	< 2	0.63	< 0.5	9	41	360	2.48	< 10	< 1	0.21	10	1.11	340	< 1
BB 422	201	202	< 0.2	3.40	< 2	110	2.0	< 2	0.51	< 0.5	10	47	47	3.72	< 10	< 1	0.11	10	1.12	335	4
BB 423	201	202	0.6	2.24	2	200	1.5	< 2	0.52	0.5	8	29	39	3.14	< 10	< 1	0.12	10	0.76	325	6
BB 424	201	202	< 0.2	1.49	< 2	90	< 0.5	< 2	0.26	< 0.5	6	28	13	2.41	< 10	< 1	0.10	10	0.69	255	1
BB 425	201	202	0.2	1.53	< 2	110	0.5	< 2	0.22	< 0.5	4	11	17	1.15	< 10	< 1	0.06	10	0.35	105	1
BB 426	201	202	0.2	3.18	6	230	1.5	< 2	0.19	< 0.5	11	43	38	4.15	< 10	< 1	0.25	20	1.33	475	5
BB 427	201	202	0.2	1.77	< 2	100	0.5	< 2	0.27	< 0.5	6	28	11	2.11	< 10	< 1	0.15	10	0.85	195	< 1
BB 428	201	202	1.4	2.99	< 2	160	1.5	< 2	0.30	< 0.5	6	32	14	1.97	< 10	< 1	0.16	40	0.80	235	< 1

CERTIFICATION: Hart Bichler

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
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Page Number :6-B
Total Pages :6
Certificate Date: 16-AUG-96
Invoice No. :19626932
P.O. Number :
Account :MPO

Project : HAT TRICK
Comments: ATTN:EXPATRIATE RE.-WHITEHORSE FAX:EXPATRIATE RE.-VANCOUVER

CERTIFICATE OF ANALYSIS A9626932

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 407	201	202	0.03	19	700	10	2	6	70	0.15	< 10	< 10	87	< 10	46
BB 408	201	202	< 0.01	53	850	26	2	9	32	0.02	< 10	< 10	77	< 10	146
BB 409	201	202	0.03	22	810	10	< 2	8	77	0.14	< 10	< 10	98	< 10	52
BB 410	201	202	0.01	53	820	12	< 2	9	37	0.13	< 10	< 10	102	< 10	124
BB 411	201	202	< 0.01	18	590	8	< 2	5	15	0.16	< 10	< 10	72	< 10	68
BB 412	201	202	0.01	13	590	14	< 2	4	19	0.09	< 10	< 10	48	< 10	92
BB 413	201	202	0.01	13	1000	10	< 2	4	14	0.11	< 10	< 10	61	< 10	54
BB 414	201	202	< 0.01	22	830	16	< 2	5	15	0.14	< 10	< 10	70	< 10	124
BB 415	201	202	< 0.01	22	990	8	2	6	18	0.15	< 10	< 10	74	< 10	86
BB 416	201	202	0.01	11	630	8	2	4	11	0.14	< 10	< 10	55	< 10	48
BB 417	201	202	0.03	25	1200	8	< 2	6	38	0.09	< 10	< 10	77	< 10	112
BB 418	201	202	0.01	16	980	12	2	5	21	0.15	< 10	< 10	85	< 10	46
BB 419	201	202	0.03	29	710	12	< 2	6	51	0.11	< 10	< 10	91	< 10	62
BB 420	201	202	0.01	57	1060	30	2	10	37	0.03	< 10	< 10	123	< 10	184
BB 421	201	202	0.01	17	490	8	< 2	5	31	0.14	< 10	< 10	64	< 10	64
BB 422	201	202	0.01	28	690	16	< 2	6	42	0.05	< 10	< 10	101	< 10	126
BB 423	201	202	0.04	22	910	14	2	3	26	0.01	< 10	< 10	70	< 10	126
BB 424	201	202	0.01	10	460	12	< 2	3	16	0.11	< 10	< 10	65	< 10	42
BB 425	201	202	0.07	10	530	2	< 2	1	17	0.04	< 10	< 10	25	< 10	34
BB 426	201	202	< 0.01	23	860	16	< 2	6	10	0.13	< 10	< 10	105	< 10	114
BB 427	201	202	< 0.01	14	570	12	< 2	4	12	0.12	< 10	< 10	47	< 10	66
BB 428	201	202	0.02	15	1040	16	< 2	4	20	0.09	< 10	< 10	45	< 10	80

CERTIFICATION: Ian R Bradley

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VANCOUVER, BC
V6B 1L8

Project : HAT TRICK
Comments:

Certificate Date: 13-AUG-96
Invoice No. : I9626580
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9626580

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
BB05009	201	202	< 0.2	1.81	6	220	< 0.5	2	0.30	< 0.5	16	61	34	2.92	10	< 1	0.14	< 10	1.31	1235	1
BB05010	201	202	< 0.2	3.24	10	530	< 0.5	2	0.60	< 0.5	38	64	150	5.46	10	< 1	0.59	< 10	2.48	1160	3
BB05011	201	202	< 0.2	2.90	8	230	< 0.5	< 2	0.61	< 0.5	28	311	71	4.08	10	< 1	0.24	10	3.03	920	< 1
BB05012	201	202	0.2	2.61	8	190	< 0.5	< 2	0.61	< 0.5	22	87	36	3.64	10	< 1	0.33	< 10	2.43	485	1
BB05013	201	202	< 0.2	2.54	10	180	< 0.5	2	0.36	< 0.5	24	90	35	4.12	< 10	< 1	0.22	< 10	1.76	615	< 1
BB05014	201	202	< 0.2	2.64	2	220	< 0.5	< 2	0.76	< 0.5	33	104	47	3.57	< 10	< 1	0.16	< 10	2.03	590	< 1
BB05015	201	202	< 0.2	2.36	4	100	< 0.5	< 2	0.45	< 0.5	17	63	26	3.12	< 10	< 1	0.09	< 10	1.87	395	< 1
BB05016	201	202	< 0.2	3.45	6	220	0.5	2	0.73	< 0.5	26	120	58	4.17	< 10	< 1	0.37	< 10	2.91	615	< 1
BB05822	201	202	< 0.2	3.34	10	60	0.5	< 2	1.12	< 0.5	17	39	32	4.37	< 10	< 1	0.16	20	1.13	510	< 1
BB05823	201	202	< 0.2	4.02	4	70	1.0	2	1.15	< 0.5	27	42	34	5.37	< 10	< 1	0.21	30	1.31	815	< 1
BB05824	201	202	< 0.2	2.49	12	50	< 0.5	< 2	0.19	< 0.5	16	54	17	5.20	10	< 1	0.11	10	1.00	440	< 1
BB05825	201	202	< 0.2	4.66	2	40	1.5	< 2	0.31	< 0.5	24	44	20	4.30	< 10	1	0.15	10	1.08	535	< 1
BB05826	201	202	< 0.2	3.47	24	80	1.5	< 2	0.62	< 0.5	42	40	38	6.48	< 10	< 1	0.26	40	1.25	850	< 1
BB05827	201	202	< 0.2	3.10	8	80	1.0	< 2	0.32	< 0.5	29	49	100	5.43	< 10	< 1	0.25	70	1.18	670	< 1
BB05828	201	202	< 0.2	2.80	2	50	< 0.5	< 2	0.36	< 0.5	48	805	44	3.84	< 10	< 1	0.05	< 10	4.21	510	< 1
BB05829	201	202	< 0.2	3.91	14	110	0.5	2	1.28	< 0.5	37	60	65	5.65	10	< 1	0.30	30	1.89	520	< 1
BB05830	201	202	< 0.2	2.62	10	140	0.5	2	0.54	< 0.5	24	110	39	4.91	< 10	< 1	0.38	30	1.57	545	< 1
BB05831	201	202	< 0.2	3.14	< 2	200	< 0.5	2	0.78	< 0.5	26	284	58	3.88	< 10	< 1	0.32	< 10	2.67	445	< 1
BB05832	201	202	< 0.2	3.09	4	70	< 0.5	< 2	0.73	< 0.5	30	482	76	2.82	< 10	< 1	0.03	< 10	2.92	465	< 1
BB05833	201	202	0.2	3.21	10	70	< 0.5	< 2	0.63	< 0.5	24	633	71	2.62	10	< 1	0.01	< 10	3.48	330	< 1
BB05834	201	202	0.2	2.69	2	< 10	< 0.5	< 2	0.06	< 0.5	23	947	71	2.03	< 10	< 1	< 0.01	< 10	3.89	240	< 1
BB05835	201	202	< 0.2	2.81	10	70	< 0.5	< 2	0.40	< 0.5	20	212	44	2.80	< 10	< 1	0.03	< 10	1.99	315	< 1
BB05836	201	202	< 0.2	3.49	< 2	20	< 0.5	< 2	0.09	< 0.5	26	773	37	3.26	< 10	< 1	0.01	< 10	3.72	400	< 1
BB05837	201	202	< 0.2	4.40	10	40	< 0.5	< 2	0.15	< 0.5	29	387	198	4.33	< 10	< 1	0.01	< 10	3.93	725	< 1
BB05838	201	202	< 0.2	2.81	8	60	< 0.5	< 2	0.13	< 0.5	21	125	56	4.43	< 10	1	0.02	< 10	2.00	875	< 1
BB05839	201	202	< 0.2	3.49	6	70	< 0.5	< 2	0.10	< 0.5	18	125	85	4.29	< 10	< 1	0.03	< 10	2.23	520	< 1
BB05840	201	202	< 0.2	2.78	6	30	< 0.5	< 2	0.17	< 0.5	15	87	61	3.79	< 10	< 1	0.03	< 10	1.52	420	1
BB05841	201	202	< 0.2	1.81	2	30	< 0.5	2	0.18	< 0.5	11	65	28	3.40	< 10	< 1	0.02	< 10	1.01	275	< 1
BB05842	201	202	< 0.2	1.66	< 2	20	< 0.5	2	0.19	< 0.5	11	79	20	2.53	< 10	< 1	0.01	< 10	1.16	255	< 1
BB05843	201	202	< 0.2	1.43	2	10	< 0.5	< 2	0.17	< 0.5	9	70	32	2.24	< 10	< 1	0.01	< 10	0.96	185	< 1
BB05844	201	202	< 0.2	2.83	6	40	< 0.5	< 2	0.51	< 0.5	23	84	117	2.70	< 10	< 1	0.05	< 10	1.50	935	< 1
BB05845	201	202	< 0.2	2.61	6	90	< 0.5	< 2	0.52	< 0.5	22	99	73	3.69	< 10	< 1	0.05	< 10	1.99	680	1
BB05846	201	202	< 0.2	2.85	6	100	< 0.5	< 2	0.61	< 0.5	22	143	145	3.66	< 10	< 1	0.06	< 10	1.92	960	< 1
BB05847	201	202	< 0.2	2.90	8	70	< 0.5	< 2	0.47	< 0.5	24	118	127	3.92	< 10	< 1	0.04	< 10	2.27	710	1
BB05848	201	202	< 0.2	2.14	10	140	< 0.5	2	0.42	< 0.5	14	96	38	3.93	10	< 1	0.09	10	1.22	315	< 1
BB06695	201	202	0.2	4.30	16	210	< 0.5	< 2	0.17	< 0.5	21	97	63	5.34	10	< 1	0.12	10	2.17	3580	4
BB06696	201	202	0.2	4.87	12	160	1.0	< 2	0.32	< 0.5	21	70	71	5.23	10	< 1	0.18	20	1.58	415	3
BB06697	201	202	0.6	4.06	4	310	0.5	< 2	1.33	0.5	19	119	69	4.24	10	< 1	0.30	10	2.11	525	4
BB06698	201	202	0.2	2.89	< 2	220	0.5	< 2	2.25	0.5	17	79	63	3.16	< 10	< 1	0.20	30	1.42	375	5
BB06699	201	202	0.2	2.69	6	150	1.0	2	0.84	< 0.5	15	64	50	3.39	< 10	< 1	0.14	20	1.51	450	3

CERTIFICATION: Stewart Buchler

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

Project : HAT TRICK
Comments:

Certificate Date: 13-AUG-96
Invoice No. : I9626580
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9626580

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
BB05009	201	202	< 0.01	31	760	8	< 2	3	19	0.14	< 10	< 10	81	< 10	72
BB05010	201	202	< 0.01	50	790	8	< 2	13	21	0.26	< 10	< 10	170	< 10	70
BB05011	201	202	< 0.01	145	940	10	< 2	6	23	0.16	< 10	< 10	84	< 10	74
BB05012	201	202	< 0.01	46	920	2	< 2	4	25	0.20	< 10	< 10	123	< 10	72
BB05013	201	202	< 0.01	50	1190	2	< 2	4	18	0.15	< 10	< 10	108	< 10	118
BB05014	201	202	< 0.01	66	1430	< 2	< 2	4	29	0.13	< 10	< 10	108	< 10	100
BB05015	201	202	< 0.01	38	1170	2	4	3	22	0.09	< 10	< 10	102	< 10	74
BB05016	201	202	< 0.01	68	1020	< 2	2	6	38	0.17	< 10	< 10	143	< 10	88
BB05822	201	202	0.07	34	910	12	< 2	5	158	0.10	< 10	< 10	59	< 10	94
BB05823	201	202	0.03	58	1170	22	2	6	220	0.08	< 10	< 10	39	< 10	114
BB05824	201	202	< 0.01	33	700	22	< 2	3	43	0.07	< 10	< 10	73	< 10	80
BB05825	201	202	0.02	43	960	16	< 2	5	65	0.07	< 10	< 10	40	< 10	96
BB05826	201	202	< 0.01	77	820	24	< 2	7	150	0.08	< 10	< 10	38	< 10	154
BB05827	201	202	0.01	122	570	20	< 2	6	67	0.07	< 10	< 10	41	< 10	130
BB05828	201	202	< 0.01	441	240	< 2	< 2	12	16	0.05	< 10	< 10	93	< 10	50
BB05829	201	202	0.04	80	540	10	2	7	170	0.10	< 10	< 10	50	< 10	140
BB05830	201	202	< 0.01	65	810	8	< 2	6	29	0.19	< 10	< 10	83	< 10	84
BB05831	201	202	< 0.01	83	650	2	< 2	7	15	0.20	< 10	< 10	100	< 10	64
BB05832	201	202	< 0.01	126	180	2	< 2	8	18	0.05	< 10	< 10	73	< 10	42
BB05833	201	202	< 0.01	114	120	6	< 2	6	22	0.03	< 10	< 10	63	< 10	24
BB05834	201	202	< 0.01	219	< 10	6	< 2	1	3	0.02	< 10	< 10	36	< 10	18
BB05835	201	202	< 0.01	61	310	2	< 2	5	16	0.05	< 10	< 10	84	< 10	38
BB05836	201	202	< 0.01	137	280	< 2	< 2	5	4	0.03	< 10	< 10	83	< 10	30
BB05837	201	202	< 0.01	104	290	< 2	< 2	9	9	0.04	< 10	< 10	115	< 10	112
BB05838	201	202	< 0.01	38	370	6	< 2	7	7	0.04	< 10	< 10	170	< 10	74
BB05839	201	202	< 0.01	43	240	2	< 2	11	6	0.08	< 10	< 10	146	< 10	68
BB05840	201	202	< 0.01	33	400	< 2	< 2	4	8	0.10	< 10	< 10	101	< 10	58
BB05841	201	202	< 0.01	21	300	2	< 2	3	9	0.11	< 10	< 10	113	< 10	42
BB05842	201	202	< 0.01	22	240	2	< 2	2	7	0.13	< 10	< 10	74	< 10	30
BB05843	201	202	< 0.01	23	200	< 2	< 2	3	8	0.09	< 10	< 10	57	< 10	32
BB05844	201	202	0.01	27	360	< 2	< 2	6	12	0.10	< 10	< 10	78	< 10	44
BB05845	201	202	< 0.01	43	500	2	< 2	8	14	0.09	< 10	< 10	103	< 10	86
BB05846	201	202	0.01	43	640	2	< 2	8	13	0.08	< 10	< 10	107	< 10	70
BB05847	201	202	< 0.01	47	290	2	< 2	8	12	0.09	< 10	< 10	108	< 10	92
BB05848	201	202	< 0.01	32	230	8	< 2	5	17	0.18	< 10	< 10	112	< 10	62
BB06695	201	202	0.01	39	390	6	2	10	14	0.07	< 10	< 10	167	< 10	122
BB06696	201	202	0.01	67	630	12	< 2	6	32	0.05	< 10	< 10	96	< 10	160
BB06697	201	202	0.07	81	1000	12	< 2	10	62	0.11	< 10	< 10	134	< 10	262
BB06698	201	202	0.05	46	910	8	< 2	6	77	0.09	< 10	10	87	< 10	108
BB06699	201	202	0.01	34	1120	12	< 2	7	36	0.23	< 10	< 10	103	< 10	100

CERTIFICATION: Ian Bridden

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To: EXPATRIATE RESOURCES LTD.
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CERTIFICATE OF ANALYSIS A9626580

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
BB06700	201	202	0.2	2.51	< 2	210	0.5	2	0.79	< 0.5	13	61	47	2.85	< 10	1	0.21	10	1.38	355	2
BB06701	201	202	< 0.2	1.65	< 2	140	< 0.5	< 2	0.60	< 0.5	10	47	45	2.21	< 10	< 1	0.14	10	1.00	265	< 1
BB06702	201	202	< 0.2	2.50	2	230	< 0.5	2	0.73	< 0.5	17	87	45	3.07	< 10	< 1	0.27	< 10	1.60	455	1
BB06703	201	202	0.2	2.27	4	220	< 0.5	2	0.51	< 0.5	18	119	27	2.98	< 10	< 1	0.14	< 10	1.73	350	1
BB06704	201	202	< 0.2	2.88	8	330	0.5	2	0.57	< 0.5	19	87	32	3.79	< 10	< 1	0.38	10	1.77	560	1
BB06705	201	202	0.8	2.14	18	370	< 0.5	2	0.12	< 0.5	15	68	54	4.83	10	< 1	0.24	10	0.91	890	4
BB06706	201	202	1.2	2.67	10	360	< 0.5	< 2	0.09	0.5	9	76	38	4.28	< 10	< 1	0.27	10	0.96	380	2
BB06707	201	202	0.2	3.47	8	480	0.5	2	0.18	< 0.5	15	122	57	5.42	10	< 1	0.34	20	1.39	545	2
BB06708	201	202	< 0.2	2.79	8	300	0.5	< 2	0.20	< 0.5	24	84	61	4.57	< 10	1	0.32	30	1.06	980	3
BB06709	201	202	0.2	1.50	6	190	< 0.5	< 2	0.14	< 0.5	11	26	32	2.46	< 10	< 1	0.22	30	0.53	460	1
BB06710	201	202	0.6	3.27	10	600	0.5	2	0.46	0.5	30	137	103	6.79	10	< 1	0.78	50	1.90	1160	4
BB06711	201	202	0.2	2.05	2	310	0.5	< 2	0.04	< 0.5	12	38	71	4.95	< 10	< 1	0.55	40	0.92	410	3
BB06712	201	202	0.6	1.73	8	330	0.5	2	0.01	< 0.5	8	33	74	4.87	< 10	< 1	0.62	30	0.76	230	3
BB06713	201	202	0.6	2.07	4	360	0.5	< 2	0.08	0.5	16	53	138	5.25	< 10	< 1	0.37	40	0.87	455	5
BB06714	201	202	0.6	2.52	18	410	0.5	2	0.09	0.5	21	46	170	5.47	< 10	< 1	0.55	50	1.02	705	3
BB06773	201	202	2.4	1.93	8	380	< 0.5	4	0.15	< 0.5	7	18	46	3.55	< 10	1	0.33	10	1.31	260	9
BB06774	201	202	< 0.2	2.37	8	210	1.0	< 2	0.12	< 0.5	8	47	24	2.93	< 10	< 1	0.26	30	1.12	275	1
BB06775	201	202	< 0.2	2.95	10	470	0.5	< 2	0.10	< 0.5	15	84	51	4.08	< 10	< 1	0.42	40	1.38	380	< 1
BB06776	201	202	0.4	2.47	6	310	1.5	< 2	0.22	< 0.5	21	51	106	5.33	< 10	< 1	0.51	80	0.92	220	< 1
BB06777	201	202	0.2	3.98	10	540	0.5	4	1.04	< 0.5	28	175	66	4.68	10	< 1	0.73	30	2.29	665	< 1
BB06778	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
BB06779	201	202	< 0.2	2.66	8	230	2.0	10	0.43	< 0.5	7	119	42	2.76	< 10	< 1	0.34	220	1.51	225	1
BB06780	201	202	< 0.2	1.80	6	110	< 0.5	10	0.14	< 0.5	6	31	21	3.23	< 10	1	0.26	10	0.72	235	< 1
BB06781	201	202	< 0.2	3.21	8	220	0.5	4	0.12	< 0.5	9	89	20	4.16	10	< 1	0.27	10	1.09	395	< 1
BB06782	201	202	< 0.2	3.28	12	240	0.5	10	0.24	< 0.5	21	124	47	4.05	< 10	< 1	0.41	30	1.63	515	< 1
BB06783	201	202	< 0.2	3.07	12	330	1.0	12	0.65	< 0.5	20	83	40	3.77	10	< 1	0.63	70	1.86	830	2
BB06784	201	202	< 0.2	3.09	24	290	1.0	18	0.58	< 0.5	20	73	52	3.93	< 10	< 1	0.37	70	1.48	650	1
BB06785	201	202	0.2	2.38	8	270	0.5	4	0.28	< 0.5	15	106	34	4.19	10	< 1	0.26	10	1.26	840	1
BB06786	201	202	0.6	2.81	12	150	0.5	8	0.13	< 0.5	11	160	13	3.35	< 10	< 1	0.22	10	1.44	255	< 1
BB06787	201	202	< 0.2	2.60	12	330	< 0.5	6	0.12	< 0.5	11	92	22	4.05	10	< 1	0.41	10	1.19	665	1
BB06788	201	202	< 0.2	3.42	42	320	0.5	4	0.33	< 0.5	22	106	60	4.48	< 10	< 1	0.38	30	1.49	810	< 1
BB06789	201	202	< 0.2	2.65	2	280	< 0.5	6	0.15	< 0.5	11	84	30	4.14	10	< 1	0.27	10	1.17	455	2
BB06790	201	202	0.4	3.68	12	440	0.5	6	0.20	0.5	18	105	34	4.94	10	1	0.63	10	1.68	705	3
BB06791	201	202	0.4	3.94	10	470	0.5	4	0.28	< 0.5	17	119	33	4.65	10	< 1	0.45	10	2.07	605	1
BB06792	201	202	0.2	3.26	10	360	0.5	2	0.28	< 0.5	16	83	41	4.66	10	< 1	0.37	20	1.34	480	1
BB06793	201	202	< 0.2	2.52	8	290	< 0.5	2	0.26	< 0.5	9	64	27	3.20	< 10	< 1	0.27	10	0.95	390	< 1
BB06794	201	202	0.2	3.00	6	490	0.5	2	0.24	0.5	16	73	33	4.90	10	< 1	0.57	10	1.42	680	2
BB06795	201	202	1.6	3.22	18	250	1.0	< 2	0.23	0.5	24	85	126	6.27	< 10	< 1	0.38	30	1.19	1045	3
BB06796	201	202	0.8	4.39	12	720	1.0	2	0.29	< 0.5	31	99	110	6.14	10	< 1	0.71	30	1.73	770	4
BB06797	201	202	0.2	2.90	6	440	0.5	4	0.09	< 0.5	8	71	38	6.23	10	< 1	0.28	30	1.36	345	10

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

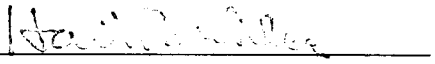
To: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : HAT TRICK
Comments:

Certificate Date: 13-AUG-96
Invoice No. :I9626580
P.O. Number :
Account :MPO

CERTIFICATE OF ANALYSIS A9626580

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
BB06700	201	202	0.01	35	920	8	< 2	6	30	0.11	< 10	< 10	87	< 10	80
BB06701	201	202	0.01	26	900	8	< 2	4	22	0.08	< 10	< 10	70	< 10	46
BB06702	201	202	0.01	55	1060	6	< 2	5	25	0.15	< 10	< 10	96	< 10	74
BB06703	201	202	0.01	55	350	6	< 2	4	28	0.20	< 10	< 10	102	< 10	72
BB06704	201	202	0.01	50	1010	14	< 2	7	23	0.19	< 10	< 10	102	< 10	126
BB06705	201	202	< 0.01	40	1860	56	< 2	4	18	0.10	< 10	< 10	151	< 10	182
BB06706	201	202	< 0.01	37	1490	20	< 2	4	16	0.09	< 10	< 10	132	< 10	158
BB06707	201	202	< 0.01	67	920	12	2	7	21	0.13	< 10	< 10	159	< 10	190
BB06708	201	202	< 0.01	66	790	10	< 2	6	22	0.10	< 10	< 10	93	< 10	124
BB06709	201	202	0.05	27	680	8	< 2	2	16	0.06	< 10	< 10	46	< 10	68
BB06710	201	202	0.01	115	1380	16	< 2	10	44	0.16	< 10	< 10	138	< 10	240
BB06711	201	202	< 0.01	40	810	10	< 2	3	22	0.08	< 10	< 10	65	< 10	154
BB06712	201	202	< 0.01	33	820	8	< 2	3	21	0.08	< 10	< 10	64	< 10	138
BB06713	201	202	< 0.01	89	730	12	< 2	4	23	0.08	< 10	< 10	92	< 10	226
BB06714	201	202	< 0.01	103	850	10	< 2	5	49	0.11	< 10	< 10	90	< 10	212
BB06773	201	202	< 0.01	10	770	524	< 2	4	17	0.12	< 10	< 10	69	< 10	114
BB06774	201	202	< 0.01	34	420	18	< 2	3	17	0.08	< 10	< 10	64	< 10	90
BB06775	201	202	< 0.01	89	540	16	< 2	5	48	0.08	< 10	< 10	76	< 10	134
BB06776	201	202	0.01	101	740	20	< 2	4	57	0.04	< 10	< 10	58	< 10	144
BB06777	201	202	0.01	172	740	10	< 2	9	89	0.14	< 10	< 10	98	< 10	122
BB06778	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
BB06779	201	202	< 0.01	60	470	102	< 2	7	92	0.07	< 10	< 10	37	< 10	172
BB06780	201	202	< 0.01	11	840	14	< 2	3	15	0.15	< 10	< 10	60	< 10	52
BB06781	201	202	< 0.01	34	550	14	< 2	5	20	0.16	< 10	< 10	93	< 10	86
BB06782	201	202	< 0.01	76	420	22	< 2	7	17	0.21	< 10	< 10	86	< 10	118
BB06783	201	202	< 0.01	49	350	30	< 2	8	39	0.17	< 10	< 10	72	< 10	114
BB06784	201	202	0.01	69	400	28	< 2	7	47	0.11	< 10	< 10	67	< 10	116
BB06785	201	202	< 0.01	52	840	16	2	5	22	0.14	< 10	< 10	101	< 10	92
BB06786	201	202	< 0.01	69	280	16	< 2	5	10	0.19	< 10	< 10	75	< 10	62
BB06787	201	202	< 0.01	34	770	14	< 2	5	14	0.16	< 10	< 10	101	< 10	88
BB06788	201	202	< 0.01	75	1100	26	< 2	7	25	0.16	< 10	< 10	94	< 10	184
BB06789	201	202	< 0.01	39	460	10	< 2	5	18	0.21	< 10	< 10	109	< 10	102
BB06790	201	202	< 0.01	47	640	14	< 2	8	22	0.25	< 10	< 10	120	< 10	138
BB06791	201	202	< 0.01	48	1700	12	< 2	9	26	0.26	< 10	< 10	137	< 10	150
BB06792	201	202	< 0.01	50	920	12	< 2	7	32	0.22	< 10	< 10	122	< 10	124
BB06793	201	202	0.03	29	890	4	< 2	4	19	0.15	< 10	< 10	98	< 10	76
BB06794	201	202	< 0.01	33	710	16	< 2	8	34	0.22	< 10	< 10	121	< 10	170
BB06795	201	202	< 0.01	97	820	16	< 2	7	17	0.06	< 10	< 10	103	< 10	158
BB06796	201	202	0.01	110	540	16	< 2	9	79	0.14	< 10	< 10	145	< 10	180
BB06797	201	202	0.03	25	890	14	< 2	7	46	0.19	< 10	< 10	120	< 10	98

CERTIFICATION: 

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Project : HAT TRICK
Comments:

Page er :3-A
Total Pages :5
Certificate Date: 13-AUG-96
Invoice No. :I9626580
P.O. Number :
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CERTIFICATE OF ANALYSIS A9626580

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
BB06798	201	202	< 0.2	3.03	6	220	< 0.5	6	0.32	< 0.5	15	90	21	4.94	10	< 1	0.25	10	1.78	425	1
BB06799	201	202	0.2	2.49	6	210	< 0.5	6	0.14	< 0.5	8	81	27	5.12	10	< 1	0.16	10	1.05	255	1
BB06800	201	202	0.2	2.57	6	160	< 0.5	6	0.17	< 0.5	13	127	23	4.64	10	1	0.14	10	1.67	315	1
BB06801	201	202	0.2	3.01	6	360	< 0.5	6	0.82	< 0.5	16	187	16	3.51	10	< 1	0.44	< 10	2.41	400	2
BB06802	201	202	0.2	3.37	< 2	450	0.5	6	0.95	< 0.5	26	129	85	3.46	< 10	< 1	0.22	40	1.37	570	< 1
BB06803	201	202	< 0.2	1.92	2	340	< 0.5	2	0.70	< 0.5	10	82	18	2.67	< 10	< 1	0.33	10	1.53	270	1
BB06804	201	202	< 0.2	1.65	2	220	0.5	2	0.67	< 0.5	8	66	32	2.17	< 10	< 1	0.11	10	0.69	225	< 1
BB06913	201	202	1.4	2.31	2	100	< 0.5	< 2	0.16	0.5	18	68	40	3.80	< 10	< 1	0.10	10	1.57	790	5
BB06914	201	202	0.2	2.70	6	110	< 0.5	2	0.43	< 0.5	14	90	31	4.00	< 10	< 1	0.08	10	1.78	345	3
BB06915	201	202	0.2	2.50	8	100	< 0.5	4	0.25	< 0.5	15	94	21	3.81	< 10	< 1	0.07	< 10	1.80	460	3
BB06916	201	202	< 0.2	3.29	10	380	0.5	< 2	0.56	< 0.5	22	104	55	5.22	< 10	< 1	0.07	30	1.65	1320	1
BB06917	201	202	0.6	1.92	2	300	< 0.5	< 2	1.74	< 0.5	13	58	63	2.67	< 10	< 1	0.05	30	1.27	690	2
BB06918	201	202	0.2	1.54	< 2	30	< 0.5	< 2	0.26	< 0.5	8	62	4	1.75	< 10	< 1	0.04	< 10	1.25	235	< 1
BB06919	201	202	< 0.2	2.61	10	70	< 0.5	2	0.50	< 0.5	13	93	32	3.07	< 10	< 1	0.08	10	1.77	275	1
BB06920	201	202	< 0.2	1.65	< 2	50	< 0.5	< 2	0.06	< 0.5	9	51	19	3.16	< 10	< 1	0.06	10	1.02	425	4
BB06921	201	202	< 0.2	1.42	< 2	40	< 0.5	< 2	0.14	< 0.5	5	43	14	1.59	< 10	< 1	0.04	< 10	0.82	135	< 1
BB06922	201	202	< 0.2	1.08	< 2	60	< 0.5	< 2	0.07	< 0.5	6	29	11	2.10	< 10	< 1	0.07	< 10	0.26	270	< 1
BB06923	201	202	< 0.2	1.22	8	70	< 0.5	2	0.09	< 0.5	12	36	15	2.87	< 10	< 1	0.07	< 10	0.42	1380	1
BB06963	201	202	0.8	1.94	6	70	1.0	< 2	0.08	< 0.5	24	32	75	5.67	< 10	< 1	0.07	50	0.58	500	4
BB06964	201	202	0.6	1.61	12	60	1.0	< 2	0.23	< 0.5	42	28	91	6.25	< 10	< 1	0.09	60	0.64	900	1
BB06965	201	202	0.2	3.35	4	280	1.0	< 2	0.41	0.5	27	73	89	5.85	10	< 1	0.30	80	2.12	970	7
BB06966	201	202	1.2	3.91	6	290	1.0	2	0.52	1.5	24	87	121	5.76	10	< 1	0.27	70	2.67	805	7
BB06967	201	202	0.6	3.74	2	460	0.5	< 2	0.66	1.5	30	136	105	5.79	10	< 1	0.36	40	2.89	1265	4
BB06968	201	202	0.6	3.10	6	310	< 0.5	< 2	0.36	0.5	20	103	52	4.48	< 10	< 1	0.12	30	2.01	800	4
BB06969	201	202	1.8	3.23	10	340	1.0	< 2	0.55	2.5	17	80	123	4.67	10	< 1	0.32	40	2.63	665	18
BB06970	201	202	1.4	3.92	10	120	1.0	< 2	0.26	1.5	24	70	81	5.24	< 10	< 1	0.15	40	2.24	910	8
BB06971	201	202	0.2	2.42	< 2	70	< 0.5	< 2	0.05	< 0.5	7	42	28	3.24	< 10	< 1	0.05	10	0.89	185	6
BB06972	201	202	0.6	2.65	8	90	0.5	< 2	0.23	0.5	16	92	48	3.71	< 10	< 1	0.08	30	1.52	790	6
BB06973	201	202	< 0.2	3.12	16	160	< 0.5	2	0.37	< 0.5	23	235	66	4.92	< 10	< 1	0.11	10	2.33	600	1
BB06974	201	202	0.4	2.11	2	60	< 0.5	< 2	0.14	< 0.5	12	86	27	3.67	< 10	< 1	0.04	10	1.34	585	6
BB06975	201	202	0.8	2.21	6	70	< 0.5	< 2	0.18	< 0.5	12	75	35	4.66	< 10	< 1	0.06	10	0.96	350	6
BB06976	201	202	1.4	3.41	16	80	0.5	< 2	0.11	2.0	62	492	116	7.16	< 10	< 1	0.05	30	3.09	1685	16
BB06977	201	202	1.4	1.57	6	70	< 0.5	< 2	0.13	< 0.5	5	74	71	9.70	< 10	< 1	0.11	10	0.97	90	1
BB06979	201	202	0.2	1.06	< 2	50	< 0.5	< 2	0.04	< 0.5	5	23	16	2.56	< 10	1	0.04	10	0.48	130	10
BB06980	201	202	< 0.2	0.84	2	40	< 0.5	< 2	0.03	< 0.5	1	9	10	1.20	< 10	< 1	0.05	< 10	0.23	45	1
BB06981	201	202	< 0.2	3.05	8	210	0.5	2	0.39	< 0.5	22	243	33	4.40	10	< 1	0.42	30	2.38	645	< 1
BB06982	201	202	< 0.2	2.13	6	160	0.5	< 2	0.31	< 0.5	17	68	27	3.80	< 10	< 1	0.35	30	1.39	560	< 1
BB06983	201	202	0.2	1.96	2	60	< 0.5	< 2	0.15	< 0.5	16	94	41	4.10	< 10	< 1	0.05	10	1.40	480	6
BB06984	201	202	< 0.2	1.86	6	180	< 0.5	< 2	0.13	< 0.5	26	90	70	5.66	< 10	< 1	0.10	20	1.53	1410	6
BB06985	201	202	0.4	1.81	2	70	< 0.5	< 2	0.13	< 0.5	9	40	27	3.17	< 10	< 1	0.05	10	1.07	305	5

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CERTIFICATE OF ANALYSIS A9626580

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
BB06798	201	202	< 0.01	36	930	6	< 2	6	20	0.37	< 10	< 10	180	< 10	74
BB06799	201	202	< 0.01	32	730	10	< 2	6	19	0.29	< 10	< 10	177	< 10	70
BB06800	201	202	< 0.01	48	1180	10	< 2	8	20	0.34	< 10	< 10	187	< 10	68
BB06801	201	202	< 0.01	54	640	6	< 2	9	28	0.33	< 10	< 10	143	< 10	76
BB06802	201	202	< 0.01	77	1190	6	< 2	9	29	0.28	< 10	< 10	112	< 10	60
BB06803	201	202	< 0.01	33	410	6	2	6	18	0.26	< 10	< 10	100	< 10	48
BB06804	201	202	< 0.01	34	470	12	< 2	4	21	0.09	< 10	< 10	52	< 10	48
BB06913	201	202	0.02	44	1190	8	< 2	3	12	0.03	< 10	< 10	89	< 10	106
BB06914	201	202	< 0.01	45	630	8	< 2	6	18	0.18	< 10	< 10	127	< 10	86
BB06915	201	202	< 0.01	40	460	8	< 2	6	13	0.22	< 10	< 10	127	< 10	72
BB06916	201	202	< 0.01	64	1400	6	< 2	14	26	0.06	< 10	< 10	160	< 10	78
BB06917	201	202	< 0.01	41	1180	2	< 2	10	49	0.08	< 10	10	83	< 10	44
BB06918	201	202	0.02	21	170	2	< 2	4	10	0.11	< 10	< 10	57	< 10	42
BB06919	201	202	0.01	35	220	6	< 2	6	27	0.14	< 10	< 10	78	< 10	58
BB06920	201	202	0.01	28	690	6	< 2	1	7	0.04	< 10	< 10	89	< 10	84
BB06921	201	202	0.04	14	180	2	< 2	2	7	0.06	< 10	< 10	46	< 10	30
BB06922	201	202	0.02	11	720	6	< 2	< 1	10	0.03	< 10	< 10	50	< 10	38
BB06923	201	202	< 0.01	13	640	8	< 2	1	9	0.08	< 10	< 10	69	< 10	38
BB06963	201	202	< 0.01	62	660	16	< 2	5	11	< 0.01	< 10	< 10	41	< 10	138
BB06964	201	202	< 0.01	88	810	22	< 2	5	16	< 0.01	< 10	< 10	31	< 10	124
BB06965	201	202	0.01	84	870	16	< 2	10	24	0.05	< 10	< 10	124	< 10	198
BB06966	201	202	0.04	94	910	12	< 2	11	30	0.06	< 10	< 10	141	< 10	272
BB06967	201	202	< 0.01	97	1330	10	< 2	16	20	0.09	< 10	< 10	163	< 10	166
BB06968	201	202	0.02	59	1430	18	< 2	6	21	0.05	< 10	< 10	111	< 10	136
BB06969	201	202	0.01	86	1060	14	< 2	9	24	0.06	< 10	< 10	169	< 10	380
BB06970	201	202	< 0.01	110	720	16	< 2	6	17	0.01	< 10	< 10	80	< 10	344
BB06971	201	202	< 0.01	31	460	16	< 2	1	12	0.02	< 10	< 10	79	< 10	92
BB06972	201	202	0.01	61	860	12	< 2	2	17	0.03	< 10	< 10	68	< 10	124
BB06973	201	202	< 0.01	117	920	8	< 2	10	18	0.10	< 10	< 10	127	< 10	102
BB06974	201	202	< 0.01	45	890	12	< 2	1	10	0.01	< 10	< 10	89	< 10	104
BB06975	201	202	< 0.01	55	970	14	< 2	4	13	0.04	< 10	< 10	66	< 10	120
BB06976	201	202	< 0.01	432	1150	62	< 2	9	24	< 0.01	< 10	< 10	92	< 10	206
BB06977	201	202	0.24	30	1690	8	< 2	10	81	< 0.01	< 10	< 10	35	< 10	76
BB06979	201	202	< 0.01	17	700	10	< 2	< 1	8	0.01	< 10	< 10	48	< 10	60
BB06980	201	202	0.05	3	360	2	< 2	< 1	5	0.01	< 10	< 10	26	< 10	16
BB06981	201	202	< 0.01	86	1130	2	< 2	9	24	0.15	< 10	< 10	99	< 10	130
BB06982	201	202	< 0.01	41	950	6	< 2	4	19	0.12	< 10	< 10	87	< 10	98
BB06983	201	202	0.01	63	650	10	< 2	3	15	0.06	< 10	< 10	73	< 10	86
BB06984	201	202	0.01	55	690	12	< 2	7	12	0.06	< 10	< 10	97	< 10	72
BB06985	201	202	0.01	27	660	14	< 2	1	21	0.06	< 10	< 10	67	< 10	88

CERTIFICATION: Ian Bichler

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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 : HAT TRICK
Comments:

Certificate Date: 13-AUG-96
Invoice No. :19626580
P.O. Number :
Account :MPO

CERTIFICATE OF ANALYSIS A9626580

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
BB06986	201	202	0.2	2.24	6	130	< 0.5	4	0.43	< 0.5	16	64	34	3.04	< 10	< 1	0.13	< 10	1.63	350	1
BB06987	201	202	< 0.2	1.80	< 2	280	< 0.5	2	0.30	< 0.5	7	18	32	2.49	< 10	< 1	0.36	20	1.10	445	1
BB06988	201	202	< 0.2	1.75	6	80	< 0.5	< 2	0.10	< 0.5	11	52	24	3.41	< 10	< 1	0.06	10	1.06	415	3
BB06989	201	202	0.2	2.01	4	150	< 0.5	2	0.43	< 0.5	12	70	18	2.65	< 10	< 1	0.05	< 10	1.43	240	1
BB06990	201	202	< 0.2	2.21	6	50	< 0.5	< 2	0.12	< 0.5	15	47	63	3.21	< 10	< 1	0.03	< 10	1.64	585	< 1
BB06991	201	202	< 0.2	1.40	2	20	< 0.5	< 2	0.09	< 0.5	6	21	64	1.28	< 10	< 1	0.03	< 10	0.64	150	< 1
BB06992	201	202	0.2	5.09	8	160	< 0.5	< 2	0.39	0.5	38	247	178	6.46	10	< 1	0.14	< 10	4.46	1050	1
BB06993	201	202	< 0.2	3.89	10	90	< 0.5	< 2	0.47	< 0.5	32	189	217	5.36	< 10	< 1	0.09	< 10	3.24	1000	< 1
BB06994	201	202	0.2	3.36	6	130	< 0.5	2	0.49	< 0.5	27	158	167	4.70	< 10	< 1	0.12	10	2.62	845	1
BB06995	201	202	0.6	3.33	14	60	< 0.5	< 2	0.27	< 0.5	22	122	137	4.37	< 10	< 1	0.06	< 10	2.31	565	< 1
BB06996	201	202	< 0.2	1.56	< 2	50	< 0.5	< 2	0.18	< 0.5	9	51	25	2.30	< 10	< 1	0.05	< 10	0.93	260	1
BB06997	201	202	0.2	2.98	10	60	< 0.5	< 2	0.10	< 0.5	70	70	435	8.78	< 10	< 1	0.04	< 10	1.80	1750	1
BB06998	201	202	1.2	3.38	6	180	0.5	< 2	0.49	0.5	25	99	159	5.91	10	< 1	0.26	60	2.58	670	5
BB06999	201	202	1.0	3.94	8	340	0.5	< 2	0.79	1.0	24	116	81	6.01	10	< 1	0.28	30	3.00	770	7
BB07000	201	202	0.6	3.97	14	200	0.5	2	0.40	0.5	30	118	94	6.11	10	< 1	0.22	40	3.09	915	7
BB07038	201	202	0.8	3.00	4	100	0.5	< 2	0.36	< 0.5	13	42	40	3.45	< 10	< 1	0.07	50	1.00	175	3
BB07039	201	202	0.6	3.73	6	170	0.5	< 2	1.47	< 0.5	19	179	56	3.75	< 10	< 1	0.15	20	2.28	320	3
BB07040	201	202	0.2	2.61	< 2	130	0.5	< 2	0.72	< 0.5	13	76	28	3.07	< 10	< 1	0.08	20	1.46	355	5
BB07041	201	202	< 0.2	1.31	2	60	< 0.5	2	0.18	< 0.5	6	40	11	1.88	< 10	< 1	0.06	10	0.57	180	1
BB07042	201	202	< 0.2	1.23	2	80	< 0.5	< 2	0.26	< 0.5	5	50	10	1.54	< 10	< 1	0.07	10	0.64	125	< 1
BB07043	201	202	< 0.2	1.75	2	60	< 0.5	< 2	0.35	< 0.5	8	69	22	2.26	< 10	< 1	0.12	10	0.98	195	< 1
BB07044	201	202	0.2	2.09	2	70	< 0.5	< 2	0.28	< 0.5	10	71	24	2.56	< 10	< 1	0.10	10	1.10	235	4
BB07045	201	202	0.2	2.89	8	130	0.5	2	0.25	< 0.5	12	76	42	3.29	< 10	< 1	0.13	10	1.28	310	1
BB07046	201	202	< 0.2	1.71	8	150	0.5	< 2	0.51	< 0.5	12	57	54	2.50	< 10	< 1	0.22	10	1.18	420	1
BB07047	201	202	< 0.2	2.77	6	240	0.5	2	0.72	< 0.5	22	120	42	3.88	< 10	< 1	0.30	10	2.00	650	< 1
BB07048	201	202	< 0.2	2.53	8	260	0.5	2	1.49	< 0.5	20	100	64	3.18	< 10	1	0.26	10	1.88	665	< 1
BB07049	201	202	< 0.2	2.74	2	390	0.5	2	1.83	< 0.5	20	110	85	3.26	< 10	< 1	0.27	10	2.09	760	< 1
BB07050	201	202	< 0.2	2.85	12	250	0.5	4	1.20	< 0.5	19	84	91	3.55	10	< 1	0.27	10	2.05	430	< 1
BB07051	201	202	< 0.2	2.61	2	300	< 0.5	4	0.88	< 0.5	21	77	80	3.18	< 10	< 1	0.23	< 10	2.01	620	< 1
BB07052	201	202	< 0.2	2.44	10	330	< 0.5	4	0.80	< 0.5	19	82	52	3.18	< 10	< 1	0.29	< 10	1.87	465	< 1
BB07053	201	202	< 0.2	2.47	< 2	230	< 0.5	2	0.54	< 0.5	17	64	34	3.51	< 10	< 1	0.30	< 10	1.77	500	< 1
BB07054	201	202	0.2	4.24	4	110	0.5	< 2	0.59	< 0.5	18	41	71	3.33	< 10	< 1	0.09	20	0.57	225	< 1
BB07055	201	202	< 0.2	1.74	6	60	< 0.5	2	0.24	< 0.5	8	45	12	2.20	< 10	< 1	0.06	< 10	0.82	265	1
BB07056	201	202	< 0.2	1.96	6	70	< 0.5	2	0.27	< 0.5	11	68	17	3.34	< 10	< 1	0.11	10	1.03	395	1
BB07057	201	202	< 0.2	2.40	< 2	90	0.5	< 2	0.41	< 0.5	15	53	44	3.34	< 10	< 1	0.10	20	1.09	320	2
BB07058	201	202	< 0.2	2.91	10	90	< 0.5	2	0.27	< 0.5	10	59	37	3.49	< 10	< 1	0.11	10	0.91	400	4
BB07059	201	202	0.2	3.12	2	100	0.5	< 2	0.94	< 0.5	6	32	35	2.96	< 10	< 1	0.13	50	0.81	190	4
BB07060	201	202	0.2	2.73	8	130	0.5	2	0.48	< 0.5	11	63	30	3.39	< 10	< 1	0.11	20	1.23	290	6
BB07061	201	202	0.6	2.82	4	180	0.5	< 2	0.63	< 0.5	12	51	41	3.19	< 10	< 1	0.16	40	1.13	365	7
BB07062	201	202	< 0.2	2.61	8	130	< 0.5	2	0.39	< 0.5	11	67	39	3.18	< 10	< 1	0.11	50	1.22	345	4

CERTIFICATION:

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Project : HAT TRICK
Comments:

Page Number : 4-B
Total Pages : 5
Certificate Date: 13-AUG-96
Invoice No. : I9626580
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9626580

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
BB06986	201	202	< 0.01	34	630	2	< 2	3	21	0.21	< 10	< 10	90	< 10	64
BB06987	201	202	< 0.01	11	600	24	< 2	3	20	0.10	< 10	< 10	43	< 10	68
BB06988	201	202	0.01	31	700	10	< 2	3	14	0.06	< 10	< 10	63	< 10	76
BB06989	201	202	0.01	34	450	2	< 2	4	23	0.14	< 10	< 10	74	< 10	60
BB06990	201	202	0.03	23	630	2	< 2	1	7	0.03	< 10	< 10	86	< 10	38
BB06991	201	202	0.07	10	290	< 2	< 2	1	6	0.03	< 10	< 10	31	< 10	20
BB06992	201	202	< 0.01	90	230	< 2	2	19	8	0.09	< 10	< 10	198	< 10	262
BB06993	201	202	< 0.01	67	360	2	< 2	17	11	0.11	< 10	< 10	169	< 10	126
BB06994	201	202	0.01	68	440	4	< 2	13	13	0.10	< 10	< 10	134	< 10	118
BB06995	201	202	< 0.01	50	490	2	< 2	8	10	0.09	< 10	< 10	125	< 10	98
BB06996	201	202	0.04	22	790	2	< 2	1	11	0.04	< 10	< 10	58	< 10	50
BB06997	201	202	< 0.01	59	880	6	2	17	4	0.06	< 10	< 10	181	< 10	72
BB06998	201	202	< 0.01	102	1040	10	2	10	22	0.05	< 10	< 10	103	< 10	228
BB06999	201	202	< 0.01	80	1500	8	< 2	15	28	0.12	< 10	< 10	159	< 10	196
BB07000	201	202	< 0.01	95	1230	10	< 2	12	19	0.07	< 10	< 10	136	< 10	210
BB07038	201	202	0.02	41	1010	8	< 2	3	52	0.01	< 10	< 10	50	< 10	86
BB07039	201	202	0.01	88	890	6	< 2	8	84	0.08	< 10	< 10	101	< 10	100
BB07040	201	202	0.01	41	880	2	< 2	5	36	0.09	< 10	< 10	82	< 10	74
BB07041	201	202	0.02	18	340	6	< 2	2	15	0.11	< 10	< 10	60	< 10	32
BB07042	201	202	0.02	21	560	2	< 2	2	17	0.06	< 10	< 10	36	< 10	32
BB07043	201	202	0.01	32	470	2	< 2	4	24	0.08	< 10	< 10	50	< 10	46
BB07044	201	202	0.01	37	650	6	< 2	5	20	0.08	< 10	< 10	61	< 10	60
BB07045	201	202	0.02	42	460	6	< 2	6	17	0.11	< 10	< 10	83	< 10	60
BB07046	201	202	0.01	37	780	6	< 2	6	21	0.09	< 10	< 10	63	< 10	70
BB07047	201	202	< 0.01	68	1090	2	< 2	6	29	0.24	< 10	< 10	94	< 10	92
BB07048	201	202	< 0.01	59	870	< 2	2	7	39	0.19	< 10	< 10	79	< 10	88
BB07049	201	202	< 0.01	67	770	< 2	< 2	6	51	0.24	< 10	< 10	90	< 10	80
BB07050	201	202	< 0.01	48	570	< 2	< 2	7	47	0.25	< 10	< 10	95	< 10	90
BB07051	201	202	< 0.01	48	750	< 2	< 2	6	37	0.26	< 10	< 10	88	< 10	64
BB07052	201	202	< 0.01	44	990	2	< 2	6	33	0.22	< 10	< 10	92	< 10	60
BB07053	201	202	< 0.01	34	1010	< 2	< 2	6	28	0.22	< 10	< 10	90	< 10	72
BB07054	201	202	< 0.01	82	460	12	< 2	4	75	0.04	< 10	< 10	39	< 10	58
BB07055	201	202	0.01	21	290	10	< 2	3	19	0.16	< 10	< 10	68	< 10	46
BB07056	201	202	< 0.01	30	580	10	< 2	4	18	0.16	< 10	< 10	96	< 10	58
BB07057	201	202	< 0.01	47	850	6	< 2	5	35	0.11	< 10	< 10	61	< 10	80
BB07058	201	202	0.01	34	680	8	< 2	5	26	0.13	< 10	< 10	81	< 10	62
BB07059	201	202	0.01	25	450	12	< 2	3	92	0.02	< 10	< 10	36	< 10	80
BB07060	201	202	< 0.01	40	370	6	< 2	6	44	0.13	< 10	< 10	75	< 10	88
BB07061	201	202	0.02	46	760	6	< 2	6	49	0.09	< 10	< 10	68	< 10	106
BB07062	201	202	< 0.01	44	560	8	< 2	6	30	0.13	< 10	< 10	76	< 10	80

CERTIFICATION: David Bichler

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CERTIFICATE OF ANALYSIS A9626580

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
BB07063	201	202	< 0.2	1.82	2	130	< 0.5	< 2	0.31	< 0.5	7	56	21	2.18	< 10	< 1	0.09	10	0.81	195	3
BB07064	201	202	< 0.2	2.00	< 2	90	< 0.5	< 2	0.38	< 0.5	8	60	18	2.41	< 10	< 1	0.09	10	1.03	220	3
BB07065	201	202	1.2	2.14	2	150	0.5	< 2	1.13	1.5	13	44	73	3.41	< 10	< 1	0.11	40	1.10	505	10
BB07066	201	202	< 0.2	1.66	< 2	100	< 0.5	< 2	0.22	0.5	6	35	7	2.61	< 10	< 1	0.05	10	0.76	225	3
BB07067	201	202	0.4	2.27	8	120	0.5	< 2	0.27	< 0.5	22	51	69	4.17	< 10	< 1	0.05	30	1.13	615	10
BB07068	201	202	0.2	2.09	2	90	< 0.5	< 2	1.13	< 0.5	12	44	37	3.26	< 10	< 1	0.05	30	1.09	285	8
BB07069	201	202	< 0.2	2.00	< 2	110	< 0.5	< 2	0.37	< 0.5	11	48	23	3.08	< 10	< 1	0.04	20	1.06	310	4
BB07070	201	202	0.2	2.10	2	100	< 0.5	< 2	0.24	< 0.5	14	56	33	3.63	< 10	< 1	0.09	20	1.20	355	4
BB07071	201	202	< 0.2	2.30	8	80	< 0.5	< 2	0.47	< 0.5	16	66	37	3.98	< 10	< 1	0.07	30	1.48	515	8
BB07072	201	202	0.2	2.10	2	90	< 0.5	< 2	0.26	< 0.5	11	57	25	3.63	< 10	< 1	0.07	20	1.17	370	6
BB07073	201	202	0.6	2.20	4	120	< 0.5	< 2	0.39	0.5	11	67	18	3.62	< 10	< 1	0.10	10	1.31	265	5
BB07074	201	202	0.8	3.01	4	190	0.5	< 2	0.99	1.5	19	80	70	4.32	< 10	< 1	0.11	70	1.52	770	12
BB07075	201	202	0.2	2.85	4	200	0.5	< 2	0.74	< 0.5	20	133	47	4.15	< 10	< 1	0.10	30	2.13	515	6
BB07076	201	202	0.2	2.65	2	150	< 0.5	< 2	0.65	0.5	15	135	43	3.82	< 10	< 1	0.15	30	2.05	355	7
BB07077	201	202	< 0.2	1.09	< 2	80	< 0.5	< 2	0.34	< 0.5	4	60	7	1.32	< 10	< 1	0.05	10	0.74	140	< 1
BB07078	201	202	< 0.2	1.59	< 2	80	< 0.5	< 2	0.24	< 0.5	6	174	7	2.43	< 10	< 1	0.05	10	0.49	220	1
BB07079	201	202	< 0.2	1.82	< 2	70	0.5	< 2	0.20	< 0.5	8	149	12	2.50	< 10	< 1	0.07	10	0.95	285	1
BB07080	201	202	< 0.2	2.59	4	80	0.5	< 2	0.15	< 0.5	8	73	16	3.45	< 10	< 1	0.10	10	0.87	330	3
BB07081	201	202	< 0.2	1.34	6	50	< 0.5	< 2	0.27	< 0.5	6	38	13	1.98	< 10	< 1	0.06	10	0.68	155	1
BB08001	201	202	0.2	3.46	< 2	170	1.0	< 2	0.30	< 0.5	25	183	86	5.57	< 10	< 1	0.11	40	2.39	825	7
BB08002	201	202	0.4	3.83	2	170	0.5	< 2	0.18	< 0.5	27	256	130	5.57	< 10	< 1	0.09	30	2.79	1080	5
BB08003	201	202	< 0.2	2.31	2	70	< 0.5	< 2	0.18	< 0.5	16	77	77	3.34	< 10	< 1	0.04	< 10	1.41	775	1
BB08004	201	202	< 0.2	2.67	< 2	100	< 0.5	< 2	0.21	< 0.5	23	105	68	3.95	< 10	< 1	0.07	< 10	1.61	1185	1
BB08005	201	202	< 0.2	2.92	2	110	0.5	< 2	0.60	< 0.5	19	119	49	4.46	< 10	< 1	0.36	20	1.90	380	3
BB08006	201	202	< 0.2	4.00	2	120	1.5	< 2	0.93	< 0.5	30	60	47	5.60	10	< 1	0.16	60	1.56	670	1
BB08007	201	202	< 0.2	2.92	2	80	< 0.5	< 2	0.32	< 0.5	20	447	52	3.74	< 10	< 1	0.08	20	2.44	375	< 1
BB08008	201	202	< 0.2	3.89	30	90	1.5	< 2	1.30	< 0.5	19	61	47	4.51	10	< 1	0.22	40	1.52	470	1
BB08009	201	202	< 0.2	4.56	20	50	1.5	< 2	0.87	< 0.5	19	60	22	5.28	10	< 1	0.12	40	1.15	645	3
BB08010	201	202	< 0.2	5.33	8	60	2.0	< 2	1.13	< 0.5	28	51	38	4.84	10	< 1	0.12	40	1.13	470	1
BB08011	201	202	< 0.2	5.02	6	50	2.0	< 2	3.07	< 0.5	21	55	35	4.36	10	< 1	0.29	30	1.16	465	< 1
BB08012	201	202	< 0.2	3.32	22	70	0.5	< 2	0.37	< 0.5	18	72	23	5.22	10	< 1	0.14	20	1.53	335	< 1
BB08013	201	202	< 0.2	3.30	2	60	1.0	< 2	0.91	< 0.5	14	55	41	3.93	< 10	< 1	0.20	60	1.12	300	1
BB08014	201	202	< 0.2	3.57	4	80	1.0	< 2	0.30	< 0.5	21	62	34	5.07	< 10	< 1	0.11	30	1.41	385	1
BB08015	201	202	< 0.2	2.88	2	50	< 0.5	< 2	0.33	< 0.5	22	205	109	3.60	< 10	< 1	0.01	< 10	2.56	445	< 1
BB08016	201	202	< 0.2	2.60	4	70	< 0.5	< 2	0.19	< 0.5	18	106	44	3.04	< 10	< 1	0.03	< 10	1.10	550	1
BB08017	201	202	< 0.2	2.90	4	70	< 0.5	< 2	0.38	< 0.5	24	159	127	3.95	< 10	< 1	0.04	< 10	2.24	585	< 1
BB08018	201	202	< 0.2	2.71	2	40	< 0.5	< 2	0.38	< 0.5	24	394	60	2.78	< 10	< 1	0.01	< 10	2.82	370	< 1
BB08019	201	202	0.2	3.60	6	90	< 0.5	< 2	0.29	< 0.5	34	91	288	5.26	< 10	< 1	0.04	< 10	2.88	920	1

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

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

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

Project : HAT TRICK
Comments:

Certificate Date: 13-AUG-96
Invoice No. : I9626580
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9626580

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
BB07063	201	202	0.03	28	590	8	< 2	3	18	0.08	< 10	< 10	49	< 10	52
BB07064	201	202	0.01	26	740	6	2	4	21	0.11	< 10	< 10	54	< 10	56
BB07065	201	202	0.01	50	900	10	2	4	47	0.04	< 10	10	45	< 10	146
BB07066	201	202	< 0.01	15	270	6	< 2	2	13	0.07	< 10	< 10	50	< 10	66
BB07067	201	202	< 0.01	55	680	14	< 2	4	18	0.04	< 10	< 10	48	< 10	128
BB07068	201	202	0.01	37	850	8	< 2	3	44	0.02	< 10	10	37	< 10	104
BB07069	201	202	< 0.01	33	770	8	< 2	3	19	0.06	< 10	< 10	47	< 10	92
BB07070	201	202	< 0.01	43	580	10	2	3	18	0.08	< 10	< 10	56	< 10	98
BB07071	201	202	< 0.01	46	880	8	< 2	5	23	0.11	< 10	< 10	62	< 10	112
BB07072	201	202	< 0.01	35	940	12	< 2	4	15	0.08	< 10	< 10	59	< 10	100
BB07073	201	202	0.01	34	950	8	2	5	17	0.13	< 10	< 10	79	< 10	94
BB07074	201	202	0.01	77	1320	10	2	6	51	0.06	< 10	10	61	< 10	148
BB07075	201	202	< 0.01	93	900	8	< 2	7	30	0.13	< 10	< 10	83	< 10	124
BB07076	201	202	< 0.01	70	1110	8	2	7	24	0.14	< 10	< 10	77	< 10	118
BB07077	201	202	0.01	25	460	2	< 2	2	15	0.07	< 10	< 10	28	< 10	32
BB07078	201	202	0.01	22	640	6	< 2	2	10	0.12	< 10	< 10	64	< 10	30
BB07079	201	202	< 0.01	48	550	8	< 2	3	9	0.09	< 10	< 10	57	< 10	52
BB07080	201	202	< 0.01	28	750	10	< 2	3	12	0.08	< 10	< 10	60	< 10	70
BB07081	201	202	0.01	17	730	4	< 2	3	13	0.08	< 10	< 10	38	< 10	36
BB08001	201	202	< 0.01	93	780	14	< 2	11	17	0.03	< 10	< 10	127	< 10	186
BB08002	201	202	< 0.01	98	660	12	2	12	11	0.02	< 10	< 10	115	< 10	164
BB08003	201	202	0.01	29	670	4	< 2	3	10	0.05	< 10	< 10	89	< 10	74
BB08004	201	202	0.01	34	690	6	< 2	4	10	0.09	< 10	< 10	114	< 10	88
BB08005	201	202	< 0.01	58	940	8	< 2	7	21	0.19	< 10	< 10	80	< 10	72
BB08006	201	202	0.02	73	730	16	< 2	6	159	0.09	< 10	< 10	47	< 10	128
BB08007	201	202	0.01	87	600	6	2	8	42	0.08	< 10	< 10	79	< 10	78
BB08008	201	202	0.04	60	600	10	2	7	212	0.13	< 10	< 10	60	< 10	108
BB08009	201	202	< 0.01	37	870	22	2	6	172	0.12	< 10	< 10	60	< 10	100
BB08010	201	202	< 0.01	63	770	20	2	6	293	0.12	< 10	< 10	49	< 10	132
BB08011	201	202	0.06	43	500	16	< 2	7	649	0.15	< 10	< 10	47	< 10	100
BB08012	201	202	< 0.01	41	550	12	2	5	58	0.09	< 10	< 10	61	< 10	90
BB08013	201	202	0.03	42	740	12	< 2	7	127	0.12	< 10	< 10	49	< 10	80
BB08014	201	202	< 0.01	45	500	14	< 2	5	52	0.08	< 10	< 10	49	< 10	146
BB08015	201	202	< 0.01	58	160	< 2	2	7	13	0.07	< 10	< 10	96	< 10	72
BB08016	201	202	0.01	28	670	4	< 2	2	15	0.04	< 10	< 10	79	< 10	40
BB08017	201	202	0.01	60	490	4	2	9	16	0.08	< 10	< 10	113	< 10	66
BB08018	201	202	0.01	89	280	< 2	2	5	14	0.04	< 10	< 10	74	< 10	34
BB08019	201	202	0.01	39	340	< 2	< 2	12	8	0.07	< 10	< 10	147	< 10	128

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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To: EXPATRIATE RESOURCES LTD.
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1016 - 510 W. HASTINGS ST.
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V6B 1L8

Project : HAT TRICK
Comments:

Page Number : 1-A
Total Pages : 7
Certificate Date: 31-JUL-96
Invoice No. : 19625264
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9625264

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
BB5201	201	202	0.6	3.17	12	160	0.5	< 2	0.39	< 0.5	14	53	48	4.36	< 10	< 1	0.12	40	1.41	255	4
BB5202	201	202	0.2	1.30	< 2	90	< 0.5	< 2	0.12	< 0.5	8	29	43	2.08	< 10	< 1	0.06	< 10	0.58	215	2
BB5203	201	202	< 0.2	3.62	10	100	< 0.5	< 2	0.26	< 0.5	30	119	206	5.51	< 10	< 1	0.06	< 10	2.62	1065	2
BB5204	201	202	0.2	3.60	6	220	1.0	< 2	0.62	0.5	25	100	98	5.06	10	< 1	0.18	30	2.19	700	4
BB5205	201	202	< 0.2	2.01	10	180	< 0.5	< 2	0.29	< 0.5	24	148	94	4.50	< 10	< 1	0.10	< 10	1.27	855	< 1
BB5206	201	202	< 0.2	2.78	< 2	270	0.5	< 2	0.37	< 0.5	22	118	73	4.99	< 10	< 1	0.18	20	1.68	825	1
BB5207	201	202	< 0.2	2.38	4	80	< 0.5	< 2	0.31	< 0.5	21	222	28	3.60	< 10	< 1	0.10	< 10	2.06	460	< 1
BB5208	201	202	< 0.2	1.98	< 2	50	< 0.5	< 2	0.11	< 0.5	16	281	46	3.47	< 10	< 1	0.06	< 10	1.67	280	< 1
BB5209	201	202	< 0.2	2.92	6	130	0.5	< 2	0.28	< 0.5	28	107	53	4.99	< 10	1	0.32	30	1.65	495	< 1
BB5210	201	202	< 0.2	2.42	14	80	0.5	< 2	0.26	< 0.5	23	144	46	4.72	< 10	1	0.15	30	1.35	575	< 1
BB5211	201	202	< 0.2	2.71	10	110	0.5	< 2	0.57	< 0.5	20	146	68	4.23	< 10	1	0.22	50	1.86	530	1
BB5212	201	202	< 0.2	2.56	10	130	< 0.5	< 2	0.59	< 0.5	17	131	38	3.78	< 10	1	0.12	10	1.69	440	1
BB5213	201	202	< 0.2	3.83	12	100	0.5	< 2	0.40	< 0.5	15	64	33	3.74	< 10	< 1	0.17	10	1.14	505	< 1
BB5214	201	202	0.2	2.92	10	60	0.5	< 2	0.16	< 0.5	8	61	16	4.23	< 10	1	0.13	10	0.95	200	< 1
BB5215	201	202	< 0.2	4.98	4	60	1.5	< 2	1.06	< 0.5	14	91	19	5.33	10	< 1	0.16	50	1.11	445	< 1
BB5216	201	202	< 0.2	3.23	8	50	1.0	< 2	1.16	< 0.5	17	41	30	4.37	< 10	< 1	0.21	30	1.25	220	< 1
BB5217	201	202	< 0.2	2.90	8	60	0.5	< 2	1.30	< 0.5	19	40	35	4.23	< 10	< 1	0.22	30	1.17	295	< 1
BB5218	201	202	< 0.2	4.07	28	50	1.0	< 2	2.09	< 0.5	19	47	32	4.45	10	3	0.25	30	1.43	420	< 1
BB5219	201	202	< 0.2	4.66	14	90	1.0	< 2	2.89	< 0.5	26	57	50	5.53	10	< 1	0.44	20	1.36	895	< 1
BB5220	201	202	< 0.2	4.88	8	70	1.0	2	2.88	< 0.5	26	55	41	5.04	10	< 1	0.45	30	1.36	735	< 1
BB5221	201	202	< 0.2	3.07	< 2	60	1.5	< 2	0.93	< 0.5	35	45	59	5.15	< 10	< 1	0.26	40	1.23	515	< 1
BB5222	201	202	< 0.2	4.84	2	120	1.0	2	2.81	< 0.5	22	61	33	5.15	10	< 1	0.50	10	1.33	970	< 1
BB5223	201	202	< 0.2	3.72	16	80	1.0	< 2	0.98	< 0.5	15	50	30	3.72	< 10	1	0.25	30	1.17	420	< 1
BB5224	201	202	< 0.2	3.65	12	70	1.5	< 2	0.50	< 0.5	14	47	28	3.75	10	< 1	0.22	20	1.14	395	< 1
BB5225	201	202	< 0.2	2.89	< 2	80	0.5	< 2	0.39	< 0.5	17	42	30	4.01	< 10	< 1	0.25	20	1.19	265	< 1
BB5226	201	202	< 0.2	2.48	2	110	1.0	< 2	0.71	< 0.5	13	33	20	3.45	< 10	< 1	0.20	30	0.94	295	< 1
BB5227	201	202	< 0.2	2.16	4	100	0.5	< 2	0.48	< 0.5	9	34	10	3.90	< 10	< 1	0.17	10	0.85	210	< 1
BB5228	201	202	< 0.2	2.95	8	120	0.5	< 2	0.14	< 0.5	11	38	19	3.57	< 10	< 1	0.26	20	0.97	275	< 1
BB5596	201	202	< 0.2	2.20	6	50	0.5	< 2	0.33	< 0.5	28	192	245	2.86	< 10	< 1	0.04	< 10	1.64	370	< 1
BB5597	201	202	< 0.2	2.20	10	50	< 0.5	< 2	0.30	< 0.5	26	87	456	2.35	< 10	< 1	0.04	< 10	0.97	265	< 1
BB5598	201	202	< 0.2	1.00	2	10	< 0.5	< 2	0.14	< 0.5	4	46	27	1.06	< 10	< 1	0.01	< 10	0.44	90	< 1
BB5599	201	202	< 0.2	2.60	6	60	1.0	2	0.37	< 0.5	16	60	70	2.83	< 10	< 1	0.06	< 10	1.27	465	< 1
BB5600	201	202	< 0.2	2.19	8	80	4.5	4	0.25	< 0.5	5	25	13	2.42	< 10	< 1	0.11	10	0.43	280	< 1
BB5601	201	202	< 0.2	1.43	< 2	50	2.0	2	0.13	< 0.5	5	19	7	2.14	< 10	< 1	0.08	10	0.28	335	< 1
BB5602	201	202	< 0.2	1.45	< 2	90	2.5	< 2	0.28	< 0.5	6	21	11	2.02	< 10	< 1	0.09	20	0.42	290	< 1
BB5603	201	202	< 0.2	1.16	< 2	30	0.5	< 2	0.04	< 0.5	2	10	4	1.35	< 10	< 1	0.08	10	0.21	200	< 1
BB5604	201	202	< 0.2	2.52	2	80	< 0.5	< 2	0.19	< 0.5	11	92	48	3.22	< 10	< 1	0.04	< 10	1.27	250	1
BB5605	201	202	< 0.2	2.74	< 2	80	< 0.5	< 2	0.24	< 0.5	12	103	61	2.83	< 10	1	0.04	< 10	1.07	320	< 1
BB5606	201	202	< 0.2	2.49	6	70	0.5	< 2	0.35	< 0.5	11	78	45	2.83	< 10	1	0.06	< 10	1.05	255	< 1
BB5607	201	202	< 0.2	1.70	2	60	< 0.5	< 2	0.16	< 0.5	10	59	42	2.70	< 10	< 1	0.05	< 10	0.87	295	< 1

CERTIFICATION: Ian Buchler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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

Project : HAT TRICK
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Page Number :1-B
Total Pages :7
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CERTIFICATE OF ANALYSIS A9625264

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
BB5201	201	202	0.02	51	940	14	< 2	5	46	0.01	< 10	< 10	62	< 10	116
BB5202	201	202	0.06	20	540	8	< 2	2	10	0.02	< 10	< 10	44	< 10	68
BB5203	201	202	0.01	53	360	6	< 2	15	8	0.05	< 10	< 10	157	< 10	116
BB5204	201	202	0.01	73	780	16	< 2	11	35	0.08	< 10	< 10	115	< 10	156
BB5205	201	202	0.04	89	680	12	< 2	12	13	0.01	< 10	< 10	91	< 10	84
BB5206	201	202	0.02	66	860	14	< 2	11	17	0.05	< 10	< 10	105	< 10	124
BB5207	201	202	0.01	114	640	8	< 2	5	12	0.15	< 10	< 10	90	< 10	56
BB5208	201	202	0.01	96	410	6	< 2	6	8	0.06	< 10	< 10	96	< 10	54
BB5209	201	202	0.01	70	680	14	4	7	22	0.10	< 10	< 10	79	< 10	98
BB5210	201	202	< 0.01	79	560	10	< 2	6	21	0.07	< 10	< 10	67	< 10	86
BB5211	201	202	0.01	102	560	10	< 2	8	35	0.11	< 10	< 10	72	< 10	92
BB5212	201	202	0.01	66	510	8	< 2	7	35	0.10	< 10	< 10	72	< 10	84
BB5213	201	202	0.01	40	710	10	< 2	6	64	0.10	< 10	< 10	49	< 10	58
BB5214	201	202	< 0.01	26	480	12	< 2	5	29	0.10	< 10	< 10	57	< 10	52
BB5215	201	202	0.09	27	660	22	< 2	11	180	0.18	< 10	< 10	81	< 10	74
BB5216	201	202	0.02	39	530	16	< 2	5	148	0.09	< 10	< 10	46	< 10	100
BB5217	201	202	0.03	49	490	12	< 2	6	135	0.09	< 10	< 10	42	< 10	122
BB5218	201	202	0.06	46	460	12	2	8	324	0.11	< 10	< 10	44	< 10	102
BB5219	201	202	0.09	55	580	20	< 2	10	450	0.17	< 10	< 10	53	< 10	126
BB5220	201	202	0.12	53	650	18	< 2	9	461	0.17	< 10	< 10	50	< 10	104
BB5221	201	202	0.04	68	810	18	< 2	5	120	0.08	< 10	< 10	41	< 10	154
BB5222	201	202	0.20	44	540	16	< 2	10	545	0.19	< 10	< 10	58	< 10	88
BB5223	201	202	0.05	42	610	12	< 2	6	137	0.12	< 10	< 10	46	< 10	82
BB5224	201	202	0.01	36	810	12	< 2	5	78	0.09	< 10	< 10	44	< 10	88
BB5225	201	202	0.01	59	480	10	< 2	5	45	0.11	< 10	< 10	39	< 10	80
BB5226	201	202	0.01	31	1000	10	< 2	4	52	0.05	< 10	< 10	32	< 10	102
BB5227	201	202	< 0.01	24	430	10	< 2	3	38	0.09	< 10	< 10	42	< 10	58
BB5228	201	202	< 0.01	29	480	10	< 2	3	15	0.07	< 10	< 10	40	< 10	62
BB5596	201	202	0.01	321	290	8	< 2	5	14	0.05	< 10	< 10	61	< 10	44
BB5597	201	202	0.01	70	320	4	< 2	3	10	0.04	< 10	< 10	42	< 10	34
BB5598	201	202	0.02	13	280	2	< 2	1	3	0.02	< 10	< 10	29	< 10	14
BB5599	201	202	0.01	31	690	12	< 2	5	10	0.10	< 10	< 10	88	< 10	94
BB5600	201	202	0.01	17	740	70	< 2	1	14	0.03	< 10	10	36	< 10	108
BB5601	201	202	0.01	12	700	42	< 2	< 1	9	0.01	< 10	< 10	27	< 10	96
BB5602	201	202	0.01	15	820	34	< 2	1	15	0.03	< 10	< 10	29	< 10	82
BB5603	201	202	0.01	6	560	20	< 2	< 1	4	0.01	< 10	< 10	15	< 10	54
BB5604	201	202	0.01	39	370	8	< 2	5	8	0.07	< 10	< 10	83	< 10	72
BB5605	201	202	0.01	49	610	8	2	4	10	0.06	< 10	< 10	71	< 10	60
BB5606	201	202	0.01	41	520	8	< 2	5	11	0.10	< 10	< 10	77	< 10	58
BB5607	201	202	0.02	28	330	10	< 2	3	7	0.08	< 10	< 10	74	< 10	52

CERTIFICATION: Stewart Borchers

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BB5608	201	202	< 0.2	2.33	10	80	1.0	< 2	0.40	< 0.5	13	66	72	2.24	< 10	< 1	0.08	< 10	0.99	250	< 1
BB5609	201	202	< 0.2	1.71	6	60	< 0.5	< 2	0.28	< 0.5	8	68	33	2.73	< 10	< 1	0.05	< 10	0.97	230	1
BB5610	201	202	0.4	3.28	4	80	0.5	< 2	0.21	< 0.5	8	66	34	3.38	< 10	< 1	0.07	< 10	0.91	215	2
BB5611	201	202	< 0.2	2.21	6	70	< 0.5	< 2	0.18	< 0.5	7	60	23	3.58	10	< 1	0.05	< 10	0.85	160	3
BB5612	201	202	0.4	2.37	4	60	< 0.5	< 2	0.26	< 0.5	11	74	40	3.84	< 10	< 1	0.06	< 10	1.06	265	1
BB5613	201	202	< 0.2	2.59	6	80	< 0.5	< 2	0.88	< 0.5	23	369	164	2.27	< 10	< 1	0.04	< 10	1.85	350	< 1
BB5614	201	202	0.2	2.09	6	150	0.5	< 2	0.65	< 0.5	9	58	39	2.56	< 10	1	0.11	< 10	1.08	275	1
BB5615	201	202	0.2	2.56	2	220	1.5	< 2	0.97	1.0	12	47	69	3.30	< 10	< 1	0.16	10	1.04	320	6
BB5616	201	202	< 0.2	1.85	2	110	< 0.5	< 2	0.12	< 0.5	10	71	17	2.75	< 10	< 1	0.11	< 10	1.03	230	1
BB5617	201	202	0.4	4.76	8	540	1.5	< 2	0.53	< 0.5	21	88	160	4.41	< 10	1	0.26	20	1.55	545	4
BB5618	201	202	< 0.2	1.13	< 2	50	< 0.5	< 2	0.09	< 0.5	4	35	9	1.60	< 10	< 1	0.03	< 10	0.39	115	3
BB5619	201	202	0.2	1.84	10	160	1.0	< 2	0.64	< 0.5	9	36	47	2.53	< 10	< 1	0.15	10	1.05	260	2
BB5620	201	202	0.2	1.58	4	130	< 0.5	< 2	0.14	< 0.5	10	49	17	2.64	< 10	1	0.28	< 10	1.26	450	1
BB5621	201	202	0.2	3.34	8	300	0.5	< 2	0.46	< 0.5	26	94	80	5.49	10	< 1	0.28	20	1.88	990	4
BB5622	201	202	0.8	1.69	18	550	1.5	< 2	0.34	1.5	27	64	159	5.97	< 10	< 1	0.24	30	0.75	960	10
BB5623	201	202	0.2	1.87	8	70	< 0.5	< 2	0.10	< 0.5	4	12	25	3.18	< 10	< 1	0.52	20	1.58	410	2
BB5624	201	202	0.2	1.96	6	140	< 0.5	< 2	0.09	< 0.5	3	12	21	3.65	< 10	1	0.73	40	1.46	585	1
BB5625	201	202	< 0.2	2.64	8	360	0.5	< 2	0.39	< 0.5	16	161	34	3.60	< 10	< 1	0.39	10	1.86	480	1
BB5626	201	202	< 0.2	1.46	14	160	1.5	< 2	0.18	< 0.5	9	31	33	2.80	< 10	< 1	0.17	50	0.56	380	1
BB5627	201	202	< 0.2	3.23	< 2	610	0.5	2	0.68	< 0.5	20	87	42	4.75	10	3	0.68	30	1.97	680	< 1
BB5628	201	202	0.2	3.00	8	540	< 0.5	2	0.75	< 0.5	31	191	83	4.61	10	2	0.67	20	2.76	825	< 1
BB5629	201	202	< 0.2	3.07	10	510	0.5	< 2	0.34	< 0.5	32	519	23	3.45	< 10	1	1.48	< 10	5.26	415	< 1
BB5630	201	202	0.2	1.67	112	230	< 0.5	< 2	1.85	< 0.5	52	459	87	3.20	< 10	< 1	0.39	10	2.87	665	< 1
BB5631	201	202	0.4	3.12	40	530	0.5	2	0.71	< 0.5	47	121	153	6.74	10	< 1	0.90	30	2.36	1200	< 1
BB5632	201	202	0.2	0.47	86	80	1.0	22	0.05	2.0	1	2	25	1.91	< 10	< 1	0.10	100	0.13	280	3
BB5633	201	202	0.8	1.43	12	270	0.5	24	0.08	< 0.5	17	25	51	4.63	< 10	< 1	0.34	100	0.43	490	< 1
BB5634	201	202	< 0.2	1.48	2	150	1.5	< 2	0.17	< 0.5	1	1	3	1.29	< 10	< 1	0.53	80	0.97	160	1
BB5635	201	202	< 0.2	0.80	< 2	90	0.5	32	0.08	< 0.5	2	8	27	3.01	< 10	< 1	0.07	30	0.21	175	3
BB5636	201	202	< 0.2	3.22	2	70	1.5	2	0.93	< 0.5	16	84	63	3.29	< 10	1	0.07	10	1.45	545	< 1
BB5637	201	202	< 0.2	4.74	10	130	3.0	2	1.41	< 0.5	28	116	70	5.04	10	2	0.13	30	1.96	770	< 1
BB5638	201	202	< 0.2	4.80	10	90	1.5	< 2	1.79	< 0.5	15	62	25	4.19	10	1	0.43	30	1.30	440	< 1
BB5639	201	202	< 0.2	5.00	2	80	2.0	< 2	2.39	< 0.5	16	58	28	4.16	10	3	0.49	30	1.34	535	< 1
BB5640	201	202	< 0.2	5.34	12	100	1.5	< 2	1.05	< 0.5	16	65	10	4.77	10	< 1	0.59	20	4.99	245	< 1
BB5641	201	202	< 0.2	3.03	20	110	0.5	< 2	0.58	< 0.5	17	52	23	4.25	< 10	< 1	0.33	20	1.26	440	< 1
BB5642	201	202	< 0.2	3.38	324	100	1.5	< 2	0.68	< 0.5	23	38	33	3.79	< 10	< 1	0.25	30	1.03	515	< 1
BB5643	201	202	< 0.2	3.10	10	110	2.0	< 2	0.34	< 0.5	30	35	89	5.22	< 10	1	0.42	30	1.18	385	< 1
BB5644	201	202	< 0.2	4.13	110	80	2.0	< 2	1.40	< 0.5	28	48	49	4.93	10	< 1	0.33	20	1.70	440	< 1
BB5645	201	202	< 0.2	3.53	6	80	1.0	< 2	1.12	< 0.5	19	42	46	4.20	10	< 1	0.35	30	1.26	245	< 1
BB5646	201	202	< 0.2	5.47	10	70	2.0	2	3.63	< 0.5	22	64	34	4.78	10	2	0.51	20	1.60	650	< 1
BB5647	201	202	< 0.2	4.56	6	40	1.5	< 2	2.71	< 0.5	17	41	26	3.52	10	< 1	0.27	20	0.98	385	< 1

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 : HAT TRICK
Comments:

Page Number : 2-B
Total Pages : 7
Certificate Date: 31-JUL-96
Invoice No. : I9625264
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9625264

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
BB5608	201	202	0.02	41	500	8	< 2	5	10	0.15	< 10	< 10	62	< 10	54
BB5609	201	202	0.02	32	380	10	< 2	4	8	0.12	< 10	< 10	81	< 10	50
BB5610	201	202	0.02	31	640	12	< 2	5	11	0.08	< 10	< 10	79	< 10	68
BB5611	201	202	0.01	22	290	14	< 2	5	19	0.13	< 10	< 10	105	< 10	56
BB5612	201	202	0.01	32	460	10	< 2	5	14	0.10	< 10	< 10	98	< 10	76
BB5613	201	202	0.03	169	420	4	< 2	7	19	0.05	< 10	< 10	60	< 10	40
BB5614	201	202	0.03	28	610	10	< 2	5	22	0.12	< 10	< 10	82	< 10	60
BB5615	201	202	0.03	49	690	12	< 2	5	33	0.08	< 10	< 10	75	< 10	108
BB5616	201	202	0.01	28	420	8	< 2	3	11	0.09	< 10	< 10	78	< 10	56
BB5617	201	202	0.01	91	1090	18	< 2	8	26	0.08	< 10	< 10	97	< 10	192
BB5618	201	202	0.01	11	340	8	< 2	1	9	0.04	< 10	< 10	61	< 10	22
BB5619	201	202	0.01	23	1060	12	< 2	4	30	0.07	< 10	< 10	63	< 10	86
BB5620	201	202	< 0.01	22	530	38	< 2	3	10	0.10	< 10	< 10	52	< 10	122
BB5621	201	202	< 0.01	65	830	20	< 2	9	28	0.07	< 10	< 10	136	< 10	178
BB5622	201	202	< 0.01	114	1130	30	< 2	6	27	0.03	< 10	10	97	< 10	352
BB5623	201	202	< 0.01	3	440	100	< 2	3	6	0.08	< 10	< 10	12	< 10	226
BB5624	201	202	< 0.01	4	540	86	< 2	5	5	0.10	< 10	< 10	14	< 10	208
BB5625	201	202	< 0.01	109	570	16	< 2	6	29	0.10	< 10	< 10	81	< 10	104
BB5626	201	202	< 0.01	47	530	42	< 2	4	14	0.01	< 10	< 10	27	< 10	144
BB5627	201	202	< 0.01	69	810	14	< 2	10	29	0.20	< 10	< 10	97	< 10	120
BB5628	201	202	< 0.01	139	800	10	2	10	23	0.19	< 10	< 10	97	< 10	80
BB5629	201	202	0.01	487	570	2	< 2	9	10	0.09	< 10	< 10	74	< 10	48
BB5630	201	202	< 0.01	703	350	8	< 2	7	86	0.07	< 10	< 10	46	< 10	42
BB5631	201	202	< 0.01	113	1090	16	2	21	19	0.12	< 10	< 10	158	< 10	104
BB5632	201	202	< 0.01	3	90	38	< 2	3	15	< 0.01	< 10	< 10	2	< 10	210
BB5633	201	202	0.08	41	460	26	< 2	5	78	0.06	< 10	< 10	29	< 10	64
BB5634	201	202	< 0.01	< 1	110	32	< 2	3	16	0.01	< 10	< 10	1	< 10	72
BB5635	201	202	< 0.01	6	210	22	< 2	3	8	0.01	< 10	< 10	11	< 10	90
BB5636	201	202	0.03	50	680	12	< 2	9	59	0.14	< 10	< 10	91	< 10	82
BB5637	201	202	0.02	66	870	20	< 2	11	109	0.21	< 10	< 10	108	< 10	122
BB5638	201	202	0.13	33	680	14	< 2	10	365	0.17	< 10	< 10	55	< 10	84
BB5639	201	202	0.11	34	580	12	< 2	10	423	0.16	< 10	< 10	53	< 10	80
BB5640	201	202	0.02	34	460	8	< 2	10	162	0.18	< 10	< 10	55	< 10	92
BB5641	201	202	0.03	36	620	12	< 2	7	89	0.12	< 10	< 10	56	< 10	68
BB5642	201	202	0.01	44	560	18	< 2	5	112	0.07	< 10	< 10	43	< 10	96
BB5643	201	202	0.04	54	590	14	< 2	5	147	0.04	< 10	< 10	42	< 10	116
BB5644	201	202	0.04	57	620	16	< 2	7	184	0.09	< 10	< 10	48	< 10	116
BB5645	201	202	0.01	45	720	14	< 2	5	84	0.09	< 10	< 10	40	< 10	100
BB5646	201	202	0.14	40	520	10	< 2	11	657	0.16	< 10	< 10	57	< 10	96
BB5647	201	202	0.05	34	440	14	< 2	7	443	0.09	< 10	< 10	35	< 10	78

CERTIFICATION: Hart Bichler

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 : HAT TRICK
Comments:

Certificate Date: 31-JUL-96
Invoice No. : I9625264
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9625264

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
BB5648	201	202	< 0.2	4.84	< 2	40	2.0	< 2	2.74	< 0.5	19	42	30	3.76	10	< 1	0.25	30	1.00	410	< 1
BB5649	201	202	< 0.2	4.19	4	60	1.5	< 2	1.48	< 0.5	21	49	33	4.61	10	< 1	0.26	40	1.34	310	< 1
BB5650	201	202	< 0.2	4.95	< 2	70	1.0	2	2.08	< 0.5	31	57	41	4.94	10	2	0.23	30	1.46	760	< 1
BB5651	201	202	< 0.2	5.07	12	60	1.5	2	2.18	< 0.5	22	52	29	4.32	10	2	0.26	30	1.25	510	< 1
BB5652	201	202	< 0.2	4.43	14	40	1.5	2	1.81	< 0.5	19	47	26	4.20	10	3	0.15	30	1.09	535	< 1
BB5653	201	202	< 0.2	3.60	< 2	70	0.5	< 2	0.59	< 0.5	13	67	21	3.60	10	1	0.09	10	0.96	460	< 1
BB5654	201	202	< 0.2	1.68	2	50	< 0.5	2	0.13	< 0.5	7	42	17	2.97	< 10	< 1	0.09	< 10	0.52	195	< 1
BB5655	201	202	< 0.2	1.67	6	60	< 0.5	2	0.11	< 0.5	9	56	24	3.54	< 10	1	0.10	10	0.66	230	< 1
BB5656	201	202	< 0.2	3.39	10	110	< 0.5	< 2	0.57	< 0.5	29	230	180	3.96	< 10	2	0.07	< 10	2.65	740	< 1
BB5657	201	202	0.2	2.95	2	170	0.5	< 2	0.27	< 0.5	22	110	115	4.60	< 10	< 1	0.09	10	2.02	660	2
BB5658	201	202	< 0.2	3.53	4	230	0.5	< 2	0.31	< 0.5	25	112	136	4.73	10	< 1	0.16	10	2.32	805	3
BB5659	201	202	< 0.2	3.42	2	150	0.5	< 2	0.46	< 0.5	25	102	129	5.16	< 10	< 1	0.18	20	2.20	600	3
BB5660	201	202	< 0.2	3.10	8	120	0.5	< 2	0.19	< 0.5	19	63	55	4.65	< 10	< 1	0.13	20	1.40	580	6
BB5661	201	202	0.2	3.53	2	180	0.5	< 2	0.51	< 0.5	20	134	76	4.47	< 10	< 1	0.12	10	2.13	475	3
BB5662	201	202	< 0.2	3.46	8	190	0.5	< 2	0.75	< 0.5	28	114	46	4.85	10	2	0.15	< 10	2.45	520	< 1
BB5663	201	202	< 0.2	4.32	4	60	0.5	2	1.20	< 0.5	50	240	97	5.53	10	2	0.07	< 10	3.60	870	< 1
BB5664	201	202	< 0.2	3.71	6	190	< 0.5	2	1.14	< 0.5	35	149	130	3.49	< 10	2	0.35	< 10	2.65	395	< 1
BB5665	201	202	< 0.2	1.13	< 2	100	< 0.5	2	0.35	< 0.5	9	44	9	1.59	< 10	1	0.07	< 10	0.83	125	1
BB5666	201	202	< 0.2	1.29	< 2	60	< 0.5	2	0.26	< 0.5	10	64	7	2.41	< 10	< 1	0.03	< 10	0.86	195	< 1
BB5667	201	202	< 0.2	2.51	4	80	< 0.5	6	0.23	< 0.5	15	81	10	2.95	< 10	< 1	0.10	< 10	1.90	200	< 1
BB5668	201	202	< 0.2	2.57	< 2	70	< 0.5	2	0.50	< 0.5	19	125	28	3.31	< 10	< 1	0.08	< 10	1.99	295	< 1
BB5669	201	202	< 0.2	3.42	2	160	< 0.5	< 2	0.36	< 0.5	17	138	73	3.89	10	1	0.13	< 10	2.04	280	< 1
BB5670	201	202	< 0.2	1.20	2	90	< 0.5	< 2	0.15	< 0.5	13	94	30	2.66	< 10	< 1	0.05	< 10	0.70	540	< 1
BB5671	201	202	< 0.2	1.89	< 2	30	< 0.5	< 2	0.26	< 0.5	12	78	55	2.45	< 10	1	0.02	< 10	1.25	200	< 1
BB5672	201	202	< 0.2	3.53	2	110	0.5	< 2	0.32	< 0.5	25	87	158	5.27	< 10	< 1	0.09	10	2.28	685	1
BB5673	201	202	< 0.2	3.35	2	130	0.5	< 2	0.31	< 0.5	24	72	78	5.04	10	1	0.14	10	1.97	580	2
BB5674	201	202	< 0.2	2.11	< 2	140	< 0.5	< 2	0.28	< 0.5	12	121	38	2.28	< 10	< 1	0.05	< 10	1.37	185	< 1
BB5675	201	202	0.2	2.84	2	160	< 0.5	< 2	0.68	< 0.5	22	148	64	3.02	< 10	< 1	0.10	< 10	1.98	375	1
BB5676	201	202	< 0.2	2.55	2	160	< 0.5	2	0.54	< 0.5	17	104	74	2.92	< 10	2	0.10	< 10	1.58	285	< 1
BB5677	201	202	< 0.2	2.98	2	520	1.5	2	0.21	< 0.5	17	212	40	3.73	< 10	1	0.66	10	2.07	300	< 1
BB5678	201	202	< 0.2	2.30	12	350	0.5	2	0.17	< 0.5	15	166	24	3.29	< 10	1	0.50	< 10	1.72	265	< 1
BB5679	201	202	0.8	2.62	22	590	0.5	2	0.11	< 0.5	12	95	51	4.43	< 10	< 1	0.74	20	1.28	260	4
BB5680	201	202	0.2	2.58	4	580	1.0	< 2	0.14	< 0.5	10	51	50	3.61	< 10	1	0.43	10	1.47	275	6
BB5681	201	202	< 0.2	1.67	6	110	0.5	2	0.25	< 0.5	8	29	10	2.40	< 10	< 1	0.13	10	0.68	285	< 1
BB5682	201	202	< 0.2	1.92	2	140	1.5	< 2	0.20	< 0.5	7	18	10	2.96	< 10	< 1	0.14	50	0.68	350	< 1
BB5683	201	202	< 0.2	1.92	4	80	1.0	< 2	0.16	< 0.5	5	17	9	2.43	< 10	< 1	0.13	20	0.64	280	< 1
BB5684	201	202	< 0.2	2.41	6	190	1.0	2	0.19	< 0.5	10	77	19	2.85	< 10	< 1	0.23	30	1.21	300	1
BB5685	201	202	< 0.2	2.36	12	230	1.5	< 2	0.23	< 0.5	8	44	16	2.75	< 10	< 1	0.27	50	1.04	380	4
BB5686	201	202	0.2	2.02	6	120	0.5	< 2	0.05	< 0.5	3	76	8	3.69	10	1	0.13	< 10	0.65	150	< 1
BB5687	201	202	< 0.2	2.12	6	90	< 0.5	2	0.07	< 0.5	11	244	14	3.11	< 10	< 1	0.13	< 10	1.69	220	1

CERTIFICATION: Stewart Buchan

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BB5648	201	202	0.04	40	510	16	< 2	7	438	0.10	< 10	< 10	37	< 10	88
BB5649	201	202	0.03	50	590	18	< 2	7	253	0.08	< 10	< 10	42	< 10	102
BB5650	201	202	0.14	55	820	16	< 2	10	377	0.14	< 10	< 10	55	< 10	120
BB5651	201	202	0.08	41	670	16	< 2	8	402	0.15	< 10	< 10	49	< 10	106
BB5652	201	202	0.03	40	700	18	< 2	7	309	0.12	< 10	< 10	42	< 10	112
BB5653	201	202	0.04	33	940	16	< 2	4	124	0.08	< 10	< 10	50	< 10	76
BB5654	201	202	0.02	17	730	10	< 2	2	16	0.14	< 10	< 10	71	< 10	38
BB5655	201	202	0.01	26	650	10	< 2	3	10	0.09	< 10	< 10	81	< 10	54
BB5656	201	202	0.02	107	550	6	< 2	11	15	0.04	< 10	< 10	96	< 10	68
BB5657	201	202	0.01	64	620	16	< 2	10	15	0.03	< 10	< 10	99	< 10	158
BB5658	201	202	0.04	73	790	12	< 2	13	14	0.05	< 10	< 10	130	< 10	164
BB5659	201	202	0.02	68	700	12	< 2	12	17	0.06	< 10	< 10	112	< 10	152
BB5660	201	202	0.01	55	900	16	< 2	7	14	0.01	< 10	< 10	71	< 10	146
BB5661	201	202	0.04	69	930	14	< 2	10	24	0.05	< 10	< 10	108	< 10	102
BB5662	201	202	0.01	70	840	6	< 2	9	32	0.16	< 10	< 10	143	< 10	80
BB5663	201	202	< 0.01	149	1060	6	< 2	14	38	0.20	< 10	< 10	153	< 10	110
BB5664	201	202	0.05	115	1020	4	2	4	51	0.18	< 10	< 10	89	< 10	76
BB5665	201	202	0.03	25	540	2	< 2	1	16	0.15	< 10	< 10	58	< 10	20
BB5666	201	202	0.01	28	440	6	< 2	3	14	0.18	< 10	< 10	83	< 10	36
BB5667	201	202	< 0.01	39	750	6	< 2	5	10	0.25	< 10	< 10	102	< 10	42
BB5668	201	202	0.01	67	920	6	< 2	5	23	0.18	< 10	< 10	99	< 10	64
BB5669	201	202	0.03	73	560	10	< 2	7	19	0.10	< 10	< 10	102	< 10	98
BB5670	201	202	0.02	73	600	8	< 2	1	6	0.03	< 10	< 10	93	< 10	40
BB5671	201	202	0.02	34	170	< 2	< 2	4	7	0.04	< 10	< 10	64	< 10	30
BB5672	201	202	0.01	52	710	6	< 2	13	13	0.03	< 10	< 10	136	< 10	102
BB5673	201	202	0.01	54	660	12	< 2	10	12	0.04	< 10	< 10	113	< 10	110
BB5674	201	202	0.03	49	400	6	< 2	3	13	0.05	< 10	< 10	58	< 10	52
BB5675	201	202	0.03	78	790	6	< 2	6	25	0.10	< 10	< 10	87	< 10	76
BB5676	201	202	0.03	54	650	6	< 2	6	24	0.11	< 10	< 10	84	< 10	70
BB5677	201	202	0.01	125	670	10	< 2	6	29	0.16	< 10	< 10	90	< 10	88
BB5678	201	202	< 0.01	99	520	8	< 2	5	10	0.20	< 10	< 10	89	< 10	66
BB5679	201	202	0.03	53	720	20	< 2	6	27	0.15	< 10	< 10	103	< 10	130
BB5680	201	202	0.02	41	700	50	< 2	4	17	0.07	< 10	< 10	85	< 10	134
BB5681	201	202	< 0.01	20	750	10	< 2	3	14	0.09	< 10	< 10	40	< 10	60
BB5682	201	202	0.01	13	750	26	< 2	3	17	0.03	< 10	< 10	28	< 10	78
BB5683	201	202	0.01	12	640	18	< 2	2	10	0.08	< 10	< 10	33	< 10	64
BB5684	201	202	0.01	44	610	16	< 2	4	10	0.13	< 10	< 10	65	< 10	64
BB5685	201	202	< 0.01	29	420	18	< 2	4	17	0.07	< 10	< 10	50	< 10	78
BB5686	201	202	< 0.01	21	590	16	< 2	3	6	0.11	< 10	< 10	65	< 10	48
BB5687	201	202	< 0.01	106	340	12	< 2	3	5	0.16	< 10	< 10	76	< 10	64

CERTIFICATION:

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.
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Project : HAT TRICK
Comments:

Page :4-A
Total Pages :7
Certificate Date: 31-JUL-96
Invoice No. :I9625264
P.O. Number :
Account :MPO

CERTIFICATE OF ANALYSIS A9625264

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
BB5688	201	202	< 0.2	1.41	< 2	100	< 0.5	2	0.05	< 0.5	3	35	8	1.64	< 10	< 1	0.15	10	0.47	155	< 1
BB5689	201	202	< 0.2	2.40	12	190	1.5	2	0.12	< 0.5	9	81	19	4.49	10	< 1	0.23	< 10	1.20	425	2
BB5690	201	202	< 0.2	1.95	< 2	140	0.5	2	0.05	< 0.5	6	59	28	4.27	10	< 1	0.43	< 10	0.94	255	4
BB5691	201	202	< 0.2	2.51	14	430	1.5	< 2	0.18	< 0.5	13	45	18	3.34	< 10	< 1	0.67	40	1.83	590	1
BB5692	201	202	< 0.2	2.67	6	220	3.0	2	0.31	< 0.5	10	51	27	3.57	< 10	< 1	0.51	50	1.38	540	1
BB5693	201	202	< 0.2	0.72	2	300	1.5	< 2	0.15	< 0.5	5	4	8	1.80	< 10	< 1	0.12	30	0.16	545	1
BB5694	201	202	< 0.2	2.37	< 2	80	0.5	2	0.26	< 0.5	16	35	21	3.93	10	2	0.14	< 10	1.49	350	< 1
BB5695	201	202	< 0.2	2.64	4	70	< 0.5	2	0.40	< 0.5	19	62	12	4.10	10	2	0.11	< 10	1.85	255	< 1
BB5696	201	202	< 0.2	1.18	< 2	90	< 0.5	< 2	0.14	< 0.5	3	20	5	1.33	< 10	< 1	0.11	10	0.38	130	1
BB5697	201	202	0.2	2.16	< 2	170	1.0	2	0.22	< 0.5	8	36	16	2.36	< 10	< 1	0.38	20	1.04	305	1
BB5698	201	202	< 0.2	1.89	6	70	0.5	< 2	0.07	< 0.5	6	21	20	3.06	< 10	< 1	0.10	10	0.53	235	1
BB5699	201	202	< 0.2	3.90	14	240	2.0	2	0.69	< 0.5	14	49	76	3.41	10	3	0.18	10	1.49	480	1
BB5700	201	202	< 0.2	2.62	< 2	140	1.0	< 2	0.32	< 0.5	7	30	41	2.41	< 10	< 1	0.16	10	0.83	350	1
BB5742	201	202	< 0.2	2.10	10	110	0.5	< 2	0.35	< 0.5	23	44	26	4.07	< 10	< 1	0.07	< 10	1.47	935	< 1
BB5743	201	202	< 0.2	1.39	2	100	< 0.5	< 2	0.13	< 0.5	11	15	12	4.08	10	1	0.04	< 10	0.72	1450	1
BB5744	201	202	< 0.2	0.72	2	80	< 0.5	< 2	0.04	< 0.5	3	14	8	1.01	< 10	< 1	0.09	< 10	0.19	200	< 1
BB5745	201	202	0.6	0.89	< 2	90	< 0.5	< 2	0.04	< 0.5	2	14	10	1.33	< 10	< 1	0.09	< 10	0.16	115	< 1
BB5746	201	202	0.2	2.82	14	270	1.5	< 2	0.14	< 0.5	14	70	40	4.08	< 10	2	0.25	10	1.51	405	3
BB5747	201	202	< 0.2	1.24	2	150	< 0.5	< 2	0.04	< 0.5	5	33	17	2.37	< 10	1	0.18	< 10	0.52	285	< 1
BB5748	201	202	0.8	2.27	< 2	160	0.5	2	0.09	< 0.5	9	49	15	3.40	< 10	1	0.17	< 10	0.83	195	< 1
BB5749	201	202	0.2	1.71	8	280	0.5	2	0.38	< 0.5	11	63	16	2.50	< 10	1	0.19	10	0.97	560	1
BB5750	201	202	0.2	2.23	14	310	< 0.5	2	0.15	< 0.5	16	263	19	3.06	< 10	< 1	0.29	< 10	2.18	245	< 1
BB5751	201	202	< 0.2	1.54	4	340	1.5	< 2	0.38	< 0.5	9	58	20	2.47	< 10	1	0.38	20	1.14	345	1
BB5752	201	202	0.2	1.64	6	200	0.5	< 2	0.18	< 0.5	5	39	14	2.03	< 10	< 1	0.24	30	0.74	230	< 1
BB5753	201	202	< 0.2	1.50	< 2	160	0.5	< 2	0.07	< 0.5	5	40	13	1.98	< 10	< 1	0.28	10	0.73	205	1
BB5754	201	202	< 0.2	2.71	106	340	0.5	2	0.53	< 0.5	18	110	29	3.29	< 10	< 1	0.48	10	1.45	560	< 1
BB5755	201	202	0.2	1.36	6	130	< 0.5	2	0.05	< 0.5	5	36	18	2.48	10	1	0.15	< 10	0.49	190	1
BB5756	201	202	0.2	1.56	6	170	< 0.5	2	0.08	< 0.5	8	45	26	3.21	10	1	0.20	< 10	0.55	455	1
BB5757	201	202	0.2	2.05	10	90	< 0.5	2	0.08	< 0.5	8	50	19	4.53	10	1	0.11	10	0.68	360	1
BB5758	201	202	1.0	1.86	8	90	< 0.5	2	0.06	< 0.5	8	64	25	3.78	< 10	< 1	0.11	< 10	0.74	295	1
BB5759	201	202	0.2	2.53	10	190	0.5	2	0.23	< 0.5	15	103	31	4.48	< 10	< 1	0.26	< 10	1.40	420	< 1
BB5760	201	202	< 0.2	1.91	6	180	< 0.5	2	0.04	< 0.5	9	72	21	3.40	< 10	< 1	0.27	< 10	1.03	350	< 1
BB5761	201	202	0.2	1.51	20	100	< 0.5	< 2	0.04	< 0.5	7	44	15	4.20	< 10	< 1	0.13	< 10	0.67	260	1
BB5762	201	202	< 0.2	1.97	10	190	< 0.5	2	0.04	< 0.5	10	57	25	3.47	< 10	< 1	0.30	< 10	0.95	365	2
BB5763	201	202	0.2	2.28	< 2	190	0.5	2	0.10	< 0.5	10	65	22	4.45	10	1	0.18	< 10	0.90	480	1
BB5764	201	202	0.2	2.97	10	110	0.5	2	0.16	< 0.5	8	69	15	3.34	< 10	3	0.09	< 10	0.77	205	1
BB5765	201	202	< 0.2	2.97	< 2	130	0.5	< 2	0.11	< 0.5	9	76	16	3.12	< 10	2	0.10	< 10	0.88	215	1
BB5766	201	202	< 0.2	2.13	< 2	120	< 0.5	< 2	0.13	< 0.5	9	66	13	2.89	< 10	< 1	0.08	< 10	0.99	210	2
BB5767	201	202	< 0.2	2.59	2	200	0.5	< 2	0.28	< 0.5	13	72	31	3.10	< 10	< 1	0.18	10	1.18	320	1
BB5768	201	202	< 0.2	2.20	< 2	210	< 0.5	4	0.39	< 0.5	21	108	21	3.39	< 10	< 1	0.18	< 10	1.66	850	1

CERTIFICATION:

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To: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
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Project : HAT TRICK
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CERTIFICATE OF ANALYSIS A9625264

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
BB5688	201	202	0.02	13	410	12	< 2	2	6	0.09	< 10	< 10	51	< 10	38
BB5689	201	202	< 0.01	26	610	18	< 2	5	12	0.18	< 10	< 10	108	< 10	86
BB5690	201	202	< 0.01	21	420	22	< 2	4	5	0.17	< 10	< 10	139	< 10	122
BB5691	201	202	0.02	28	390	18	< 2	6	13	0.13	< 10	< 10	48	< 10	100
BB5692	201	202	< 0.01	32	670	30	< 2	7	20	0.09	< 10	10	57	< 10	108
BB5693	201	202	< 0.01	8	120	62	< 2	1	28	< 0.01	< 10	10	4	< 10	80
BB5694	201	202	< 0.01	19	740	16	< 2	5	13	0.21	< 10	< 10	101	< 10	114
BB5695	201	202	0.03	27	1060	8	< 2	6	21	0.18	< 10	< 10	122	< 10	82
BB5696	201	202	0.02	6	770	8	< 2	1	10	0.07	< 10	< 10	44	< 10	28
BB5697	201	202	0.01	15	580	16	< 2	4	9	0.13	< 10	< 10	42	< 10	84
BB5698	201	202	< 0.01	14	530	16	< 2	3	7	0.05	< 10	< 10	49	< 10	92
BB5699	201	202	0.01	28	710	12	< 2	7	51	0.15	< 10	< 10	86	< 10	86
BB5700	201	202	0.02	17	910	14	< 2	3	27	0.07	< 10	< 10	49	< 10	74
BB5742	201	202	0.01	31	740	8	< 2	3	16	0.05	< 10	< 10	121	< 10	66
BB5743	201	202	0.01	8	930	8	< 2	4	10	0.15	< 10	< 10	166	< 10	50
BB5744	201	202	0.03	6	360	10	< 2	< 1	7	0.02	< 10	< 10	25	< 10	26
BB5745	201	202	0.03	7	440	12	< 2	< 1	7	0.04	< 10	< 10	35	< 10	26
BB5746	201	202	0.01	56	820	46	< 2	5	12	0.08	< 10	< 10	105	< 10	142
BB5747	201	202	0.01	21	490	20	< 2	3	7	0.10	< 10	< 10	67	< 10	56
BB5748	201	202	0.01	25	340	14	< 2	4	8	0.14	< 10	< 10	89	< 10	68
BB5749	201	202	0.04	38	450	10	< 2	4	17	0.11	< 10	< 10	57	< 10	66
BB5750	201	202	< 0.01	151	350	8	< 2	4	11	0.15	< 10	< 10	70	< 10	66
BB5751	201	202	0.01	43	710	22	< 2	4	18	0.07	< 10	< 10	46	< 10	94
BB5752	201	202	0.01	17	450	28	< 2	3	15	0.08	< 10	< 10	43	< 10	76
BB5753	201	202	0.01	19	270	16	< 2	3	9	0.09	< 10	< 10	45	< 10	74
BB5754	201	202	0.01	908	610	16	< 2	7	34	0.12	< 10	< 10	61	< 10	122
BB5755	201	202	< 0.01	21	490	24	< 2	2	9	0.12	< 10	< 10	86	< 10	50
BB5756	201	202	< 0.01	20	900	16	< 2	3	7	0.12	< 10	< 10	103	< 10	50
BB5757	201	202	< 0.01	24	480	20	< 2	4	9	0.16	< 10	< 10	112	< 10	70
BB5758	201	202	< 0.01	33	450	14	< 2	4	9	0.11	< 10	< 10	78	< 10	74
BB5759	201	202	< 0.01	51	1080	14	< 2	7	15	0.15	< 10	< 10	100	< 10	84
BB5760	201	202	< 0.01	36	360	14	< 2	5	4	0.13	< 10	< 10	85	< 10	84
BB5761	201	202	< 0.01	20	700	14	< 2	3	4	0.13	< 10	< 10	92	< 10	48
BB5762	201	202	< 0.01	32	310	14	< 2	4	5	0.14	< 10	< 10	86	< 10	84
BB5763	201	202	< 0.01	27	860	18	< 2	4	13	0.16	< 10	< 10	112	< 10	136
BB5764	201	202	< 0.01	32	530	14	< 2	4	12	0.10	< 10	< 10	61	< 10	50
BB5765	201	202	< 0.01	39	240	12	< 2	5	8	0.09	< 10	< 10	61	< 10	60
BB5766	201	202	< 0.01	33	370	16	< 2	4	10	0.08	< 10	< 10	70	< 10	60
BB5767	201	202	0.01	47	670	14	< 2	5	18	0.10	< 10	< 10	59	< 10	86
BB5768	201	202	< 0.01	48	820	6	< 2	5	15	0.21	< 10	< 10	91	< 10	76

CERTIFICATION: Stewart Buchler

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SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
BB5769	201	202	< 0.2	2.09	< 2	150	< 0.5	< 2	0.15	< 0.5	13	84	28	3.70	10	< 1	0.17	< 10	1.35	375	3
BB5770	201	202	< 0.2	2.01	< 2	120	< 0.5	< 2	0.20	< 0.5	11	59	24	3.49	10	< 1	0.10	< 10	1.20	265	2
BB5771	201	202	< 0.2	3.27	< 2	410	< 0.5	< 2	0.10	0.5	15	124	44	5.22	10	< 1	0.30	10	1.41	490	5
BB5772	201	202	< 0.2	4.09	2	790	< 0.5	< 2	1.21	< 0.5	47	205	113	6.92	10	< 1	1.23	< 10	3.46	1610	< 1
BB5773	201	202	< 0.2	3.07	8	1100	< 0.5	2	1.11	< 0.5	34	150	49	4.66	10	< 1	0.65	< 10	2.65	950	1
BB5774	201	202	0.2	3.45	6	620	< 0.5	2	1.15	< 0.5	34	155	86	4.50	10	< 1	0.39	< 10	3.13	875	< 1
BB5775	201	202	< 0.2	4.25	2	780	0.5	< 2	0.69	< 0.5	32	113	50	4.54	10	< 1	0.34	< 10	3.38	830	1
BB5793	201	202	< 0.2	4.79	8	380	0.5	6	0.20	< 0.5	19	146	149	4.67	10	< 1	0.34	10	2.86	805	2
BB5794	201	202	< 0.2	5.23	< 2	580	< 0.5	< 2	0.48	< 0.5	34	43	96	6.48	10	< 1	1.06	< 10	3.15	1250	< 1
BB5795	201	202	< 0.2	3.60	36	410	< 0.5	< 2	0.27	< 0.5	17	50	39	4.67	10	< 1	0.48	< 10	2.32	695	1
BB5796	201	202	< 0.2	5.09	8	730	1.0	< 2	1.62	0.5	36	137	28	5.72	10	< 1	0.68	< 10	3.45	1185	< 1
BB5797	201	202	< 0.2	5.30	6	530	0.5	< 2	1.08	1.0	39	288	84	5.55	10	< 1	0.71	< 10	3.66	970	< 1
BB5798	201	202	< 0.2	3.81	< 2	160	0.5	< 2	0.19	< 0.5	15	102	45	5.81	10	< 1	0.15	10	1.55	390	4
BB5799	201	202	< 0.2	1.56	< 2	40	< 0.5	< 2	0.12	< 0.5	9	44	13	2.30	10	< 1	0.03	< 10	1.17	230	1
BB5800	201	202	< 0.2	2.34	< 2	170	0.5	2	0.32	< 0.5	17	55	59	4.17	10	< 1	0.09	10	1.06	390	4
BB5801	201	202	< 0.2	3.42	6	240	1.5	< 2	0.77	< 0.5	28	95	78	5.68	10	< 1	0.27	10	1.69	710	7
BB5802	201	202	0.4	3.18	< 2	110	0.5	2	0.14	< 0.5	16	61	53	4.88	< 10	< 1	0.09	10	0.86	655	4
BB5803	201	202	0.2	1.92	< 2	150	< 0.5	2	0.26	< 0.5	12	56	35	3.46	10	< 1	0.07	20	1.09	305	3
BB5804	201	202	< 0.2	2.56	< 2	180	0.5	< 2	0.19	< 0.5	12	86	22	4.00	10	< 1	0.11	< 10	1.14	445	3
BB5805	201	202	< 0.2	2.12	2	130	< 0.5	< 2	0.40	< 0.5	15	71	33	2.97	< 10	< 1	0.14	10	1.35	340	3
BB5806	201	202	< 0.2	3.21	< 2	70	0.5	2	0.14	< 0.5	16	57	23	3.52	10	< 1	0.05	< 10	0.86	230	1
BB6715	201	202	1.0	3.42	1125	730	0.5	18	0.30	1.0	57	119	211	6.16	10	< 1	1.21	10	2.43	2240	1
BB6716	201	202	< 0.2	1.50	30	120	< 0.5	< 2	0.06	< 0.5	12	43	47	3.34	< 10	< 1	0.18	10	0.48	840	2
BB6717	201	202	< 0.2	2.37	14	300	0.5	2	0.12	< 0.5	12	56	31	3.33	10	< 1	0.35	10	1.17	420	1
BB6718	201	202	< 0.2	2.58	6	350	0.5	4	0.21	< 0.5	14	76	68	4.88	10	< 1	0.38	10	1.11	590	1
BB6719	201	202	< 0.2	2.04	8	190	< 0.5	2	0.12	< 0.5	10	55	30	3.39	10	< 1	0.27	< 10	1.13	420	1
BB6720	201	202	< 0.2	1.66	14	170	< 0.5	< 2	0.09	< 0.5	13	62	35	2.77	< 10	< 1	0.23	< 10	0.80	720	1
BB6721	201	202	< 0.2	1.88	< 2	150	< 0.5	< 2	0.08	0.5	10	57	23	3.46	< 10	< 1	0.17	< 10	0.83	545	2
BB6722	201	202	0.2	2.16	10	390	0.5	2	0.49	0.5	23	115	75	3.90	10	< 1	0.34	40	1.66	995	2
BB6723	201	202	< 0.2	2.55	2	250	< 0.5	< 2	0.38	< 0.5	15	98	20	3.55	10	< 1	0.23	< 10	1.68	325	1
BB6724	201	202	0.2	4.08	6	830	< 0.5	< 2	0.76	< 0.5	40	165	81	5.94	10	< 1	0.86	10	3.24	1160	4
BB6725	201	202	< 0.2	3.17	10	310	< 0.5	< 2	0.16	< 0.5	16	69	35	4.74	10	< 1	0.53	< 10	1.99	650	1
BB6726	201	202	< 0.2	4.83	10	410	< 0.5	< 2	0.35	< 0.5	41	56	121	7.17	10	< 1	0.62	< 10	2.65	1030	1
BB6727	201	202	< 0.2	4.11	8	220	< 0.5	< 2	0.35	< 0.5	29	168	54	4.65	10	< 1	0.16	< 10	2.90	945	< 1
BB6728	201	202	< 0.2	5.47	6	450	2.0	< 2	1.32	< 0.5	32	201	94	5.34	10	< 1	0.66	< 10	4.34	1050	< 1
BB6729	201	202	< 0.2	3.84	10	180	< 0.5	2	0.18	< 0.5	19	100	35	4.92	10	< 1	0.15	< 10	2.10	410	2
BB6730	201	202	< 0.2	5.02	10	440	1.0	2	0.95	0.5	34	261	61	4.84	10	< 1	0.74	< 10	3.98	960	< 1
BB6731	201	202	< 0.2	4.23	4	400	0.5	< 2	0.86	< 0.5	26	271	15	4.71	10	< 1	0.57	< 10	3.43	635	< 1
BB6732	201	202	< 0.2	4.35	2	360	1.0	2	0.72	0.5	28	230	43	4.47	10	< 1	0.53	< 10	3.00	1045	< 1
BB6733	201	202	< 0.2	3.31	< 2	260	0.5	< 2	0.38	0.5	17	144	26	3.93	10	< 1	0.16	< 10	1.83	320	1

CERTIFICATION: Ian Bradley

Chemex Labs Ltd.

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

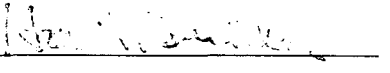
To: EXPATRIATE RESOURCES LTD.
C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
1016 - 510 W. HASTINGS ST.
VANCOUVER, BC
V6B 1L8

Project : HAT TRICK
Comments:

Certificate Date: 31-JUL-96
Invoice No. : 19625264
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9625264

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
BB5769	201	202	< 0.01	37	310	10	< 2	4	8	0.24	< 10	< 10	107	< 10	66
BB5770	201	202	< 0.01	31	450	10	< 2	5	11	0.19	< 10	< 10	125	< 10	72
BB5771	201	202	< 0.01	56	520	22	4	7	23	0.18	< 10	< 10	152	< 10	190
BB5772	201	202	< 0.01	93	2560	4	< 2	19	25	0.36	< 10	< 10	191	< 10	124
BB5773	201	202	< 0.01	110	1760	< 2	2	5	21	0.35	< 10	< 10	114	< 10	76
BB5774	201	202	< 0.01	81	1020	< 2	4	6	20	0.31	< 10	< 10	138	< 10	90
BB5775	201	202	< 0.01	63	1230	4	< 2	11	26	0.37	< 10	< 10	155	< 10	80
BB5793	201	202	0.02	56	640	42	< 2	17	25	0.13	< 10	< 10	136	< 10	304
BB5794	201	202	0.01	18	570	16	4	20	38	0.18	< 10	< 10	171	< 10	142
BB5795	201	202	< 0.01	23	490	6	2	13	13	0.20	< 10	< 10	160	< 10	100
BB5796	201	202	0.01	52	3850	6	4	10	39	0.28	< 10	< 10	158	< 10	156
BB5797	201	202	0.03	98	2010	2	6	18	47	0.23	< 10	< 10	151	< 10	132
BB5798	201	202	0.01	40	740	14	2	10	32	0.18	< 10	< 10	147	< 10	102
BB5799	201	202	< 0.01	19	200	10	< 2	3	11	0.14	< 10	< 10	67	< 10	52
BB5800	201	202	0.01	56	710	22	< 2	4	80	0.06	< 10	< 10	71	< 10	138
BB5801	201	202	0.03	104	900	20	< 2	8	38	0.08	< 10	< 10	130	< 10	128
BB5802	201	202	0.01	39	960	30	< 2	4	20	0.05	< 10	< 10	66	< 10	136
BB5803	201	202	0.01	34	430	18	< 2	4	23	0.10	< 10	< 10	68	< 10	100
BB5804	201	202	< 0.01	34	730	20	< 2	5	13	0.20	< 10	< 10	125	< 10	104
BB5805	201	202	0.01	41	1080	10	2	4	25	0.10	< 10	< 10	64	< 10	78
BB5806	201	202	< 0.01	48	410	12	< 2	4	15	0.10	< 10	< 10	58	< 10	68
BB6715	201	202	0.05	96	910	20	< 2	14	21	0.18	< 10	< 10	145	< 10	106
BB6716	201	202	0.02	28	1030	16	< 2	1	16	0.06	< 10	< 10	68	< 10	70
BB6717	201	202	0.01	29	900	22	< 2	4	13	0.09	< 10	< 10	69	< 10	104
BB6718	201	202	0.01	44	1130	10	4	6	16	0.16	< 10	< 10	118	< 10	128
BB6719	201	202	< 0.01	26	400	24	4	4	14	0.15	< 10	< 10	74	< 10	116
BB6720	201	202	0.02	34	700	12	< 2	3	8	0.08	< 10	< 10	65	< 10	88
BB6721	201	202	< 0.01	27	620	18	2	2	8	0.09	< 10	< 10	77	< 10	96
BB6722	201	202	< 0.01	92	990	24	6	5	32	0.09	< 10	< 10	78	< 10	178
BB6723	201	202	< 0.01	42	560	10	< 2	5	14	0.18	< 10	< 10	134	< 10	74
BB6724	201	202	0.02	101	1470	18	< 2	19	43	0.24	< 10	< 10	198	< 10	162
BB6725	201	202	< 0.01	28	580	14	2	13	15	0.20	< 10	< 10	176	< 10	116
BB6726	201	202	0.01	48	370	6	12	19	16	0.20	< 10	< 10	193	< 10	92
BB6727	201	202	< 0.01	69	950	10	< 2	10	15	0.19	< 10	< 10	154	< 10	80
BB6728	201	202	< 0.01	90	4430	6	6	16	56	0.24	< 10	< 10	182	< 10	102
BB6729	201	202	< 0.01	41	340	8	< 2	11	21	0.17	< 10	< 10	177	< 10	90
BB6730	201	202	0.01	114	3310	6	< 2	13	40	0.22	< 10	< 10	155	< 10	90
BB6731	201	202	0.03	76	2640	2	8	11	36	0.22	< 10	< 10	168	< 10	88
BB6732	201	202	0.01	76	2410	2	< 2	11	30	0.21	< 10	< 10	149	< 10	90
BB6733	201	202	< 0.01	49	1120	10	< 2	11	32	0.16	< 10	< 10	130	< 10	86

CERTIFICATION: 

Chemex Labs Ltd.

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VANCOUVER, BC
V6B 1L8

Project : HAT TRICK
Comments:

Certificate Date: 31-JUL-96
Invoice No. : I9625264
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9625264

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
BB6734	201	202	< 0.2	4.21	2	190	1.0	< 2	0.73	< 0.5	23	66	44	3.71	10	< 1	0.19	10	1.17	410	1
BB6735	201	202	0.2	4.56	< 2	240	1.0	< 2	0.44	0.5	21	70	45	4.14	10	< 1	0.42	10	1.34	365	1
BB6736	201	202	0.2	4.22	6	190	0.5	< 2	0.13	< 0.5	16	76	23	4.64	10	< 1	0.06	10	1.25	365	5
BB6737	201	202	0.2	2.52	8	80	< 0.5	2	0.08	< 0.5	10	45	23	3.85	10	< 1	0.05	10	0.47	155	8
BB6738	201	202	< 0.2	2.04	< 2	110	< 0.5	2	0.13	< 0.5	10	88	12	3.14	10	< 1	0.11	< 10	0.98	245	2
BB6739	201	202	< 0.2	2.44	2	190	< 0.5	< 2	0.18	< 0.5	13	52	12	4.22	10	< 1	0.17	< 10	1.42	410	1
BB6740	201	202	0.2	2.51	< 2	150	< 0.5	< 2	0.22	< 0.5	8	80	16	2.89	10	< 1	0.17	< 10	1.05	545	2
BB6741	201	202	< 0.2	3.71	40	380	1.5	< 2	0.20	< 0.5	32	136	58	4.44	10	< 1	0.87	30	2.18	640	1
BB6742	201	202	< 0.2	3.05	42	390	1.5	2	0.22	0.5	30	101	90	5.27	10	< 1	1.07	70	1.77	810	2
BB6743	201	202	< 0.2	2.33	30	400	0.5	2	0.26	< 0.5	11	38	29	3.01	10	< 1	0.91	50	1.74	445	< 1
BB6744	201	202	< 0.2	2.67	62	370	1.0	2	0.20	< 0.5	15	60	41	3.58	10	< 1	0.88	60	1.81	540	< 1
BB6745	201	202	0.6	2.43	< 2	240	0.5	24	0.20	< 0.5	11	99	39	4.86	10	< 1	0.64	10	1.66	445	2
BB6746	201	202	< 0.2	2.46	< 2	80	0.5	8	0.09	< 0.5	13	138	30	3.26	10	< 1	0.15	40	1.49	335	< 1
BB6747	201	202	< 0.2	2.10	< 2	110	0.5	6	0.08	< 0.5	12	88	27	3.60	10	< 1	0.15	30	1.08	465	1
BB6748	201	202	0.2	2.17	2	180	1.0	20	0.29	< 0.5	20	106	73	3.85	10	< 1	0.58	70	1.86	1130	3
BB6749	201	202	0.4	3.18	26	650	0.5	2	0.61	0.5	47	364	103	5.44	10	< 1	1.14	30	3.52	1200	< 1
BB6750	201	202	< 0.2	4.94	16	2540	1.5	< 2	0.47	< 0.5	36	82	94	6.81	20	< 1	2.59	30	2.80	880	< 1
BB6751	201	202	0.2	3.50	26	920	0.5	< 2	0.32	0.5	31	119	86	5.42	10	< 1	0.89	30	2.19	1135	< 1
BB6752	201	202	0.2	3.35	8	640	0.5	2	0.38	< 0.5	33	86	92	5.87	10	< 1	0.81	40	1.55	1185	1
BB6753	201	202	< 0.2	3.20	2	720	0.5	< 2	0.16	< 0.5	27	88	72	4.49	< 10	< 1	0.56	10	1.48	685	3
BB6754	201	202	0.2	4.83	10	1540	0.5	< 2	0.73	< 0.5	55	156	192	8.47	10	< 1	1.39	20	3.22	1645	1
BB6755	201	202	< 0.2	3.05	< 2	940	0.5	2	0.33	< 0.5	33	93	101	5.35	10	< 1	0.67	10	1.65	805	3
BB6756	201	202	0.2	3.14	4	1020	0.5	< 2	0.43	1.0	33	98	113	5.56	10	< 1	0.81	30	1.82	1115	3
BB6757	201	202	0.2	3.83	8	830	0.5	4	0.57	0.5	25	97	72	5.59	10	< 1	0.84	60	2.38	1120	2
BB6758	201	202	0.2	3.10	12	640	0.5	2	0.34	< 0.5	22	92	58	4.88	10	< 1	0.71	30	1.92	795	3
BB6759	201	202	< 0.2	3.15	6	230	< 0.5	2	0.31	< 0.5	15	139	26	3.75	10	< 1	0.17	< 10	2.00	370	2
BB6760	201	202	0.2	2.78	6	500	0.5	< 2	0.33	< 0.5	17	79	55	4.62	10	< 1	0.59	20	1.54	605	2
BB6761	201	202	< 0.2	3.25	8	370	0.5	2	0.27	< 0.5	16	99	57	4.49	10	< 1	0.49	10	1.49	440	1
BB6762	201	202	< 0.2	3.11	6	350	< 0.5	2	0.15	< 0.5	16	111	39	4.15	10	< 1	0.38	10	1.60	420	< 1
BB6763	201	202	< 0.2	2.55	< 2	190	< 0.5	< 2	0.24	< 0.5	14	71	23	3.52	10	< 1	0.17	< 10	1.72	295	< 1
BB6764	201	202	< 0.2	3.42	< 2	380	0.5	< 2	0.25	< 0.5	20	97	38	4.65	10	< 1	0.41	10	1.88	395	1
BB6765	201	202	< 0.2	3.16	12	660	0.5	< 2	0.81	< 0.5	29	76	61	5.07	10	< 1	0.61	10	2.57	640	5
BB6766	201	202	< 0.2	2.73	< 2	490	< 0.5	2	0.59	0.5	17	113	24	3.80	10	< 1	0.55	10	2.18	370	1
BB6767	201	202	0.2	3.30	< 2	410	< 0.5	< 2	1.17	0.5	40	172	52	4.46	10	< 1	0.37	10	2.53	940	3
BB6768	201	202	< 0.2	6.20	14	620	0.5	6	0.89	1.5	44	32	190	6.96	10	< 1	0.65	< 10	2.80	1120	< 1
BB6769	201	202	< 0.2	2.07	< 2	150	0.5	< 2	0.68	< 0.5	16	74	36	2.71	< 10	< 1	0.13	10	1.22	460	< 1
BB6770	201	202	< 0.2	0.83	< 2	30	< 0.5	< 2	0.09	< 0.5	4	22	5	1.04	< 10	< 1	0.02	< 10	0.27	85	2
BB6771	201	202	< 0.2	2.20	4	110	0.5	< 2	0.25	< 0.5	8	66	13	2.30	< 10	< 1	0.06	10	0.96	220	2
BB6772	201	202	< 0.2	3.84	< 2	260	0.5	< 2	0.42	< 0.5	17	97	28	4.14	10	< 1	0.28	< 10	1.97	365	1
BB6894	201	202	0.2	0.26	< 2	10	< 0.5	< 2	0.02	< 0.5	1	3	1	0.27	< 10	< 1	0.03	< 10	0.03	15	< 1

CERTIFICATION: Stewart Buchler

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Project : HAT TRICK
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Page Number :6-B
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CERTIFICATE OF ANALYSIS A9625264

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
BB6734	201	202	0.01	53	670	12	< 2	6	63	0.08	< 10	< 10	76	< 10	92
BB6735	201	202	0.01	51	1240	12	4	8	42	0.10	< 10	< 10	84	< 10	84
BB6736	201	202	< 0.01	43	430	16	< 2	6	23	0.08	< 10	< 10	85	< 10	142
BB6737	201	202	< 0.01	19	440	16	< 2	3	11	0.10	< 10	< 10	76	< 10	64
BB6738	201	202	< 0.01	27	440	10	< 2	4	9	0.12	< 10	< 10	84	< 10	64
BB6739	201	202	< 0.01	21	800	16	< 2	4	10	0.16	< 10	< 10	157	< 10	70
BB6740	201	202	0.03	24	1170	10	2	4	18	0.09	< 10	< 10	95	< 10	70
BB6741	201	202	< 0.01	98	510	24	2	11	11	0.12	< 10	< 10	96	< 10	88
BB6742	201	202	< 0.01	132	560	40	10	10	15	0.17	< 10	< 10	79	< 10	130
BB6743	201	202	< 0.01	40	380	24	< 2	5	25	0.11	< 10	< 10	35	< 10	92
BB6744	201	202	< 0.01	59	380	26	< 2	7	19	0.14	< 10	< 10	50	< 10	108
BB6745	201	202	< 0.01	37	590	156	4	6	23	0.16	< 10	< 10	70	< 10	148
BB6746	201	202	< 0.01	59	400	44	< 2	4	6	0.11	< 10	< 10	58	< 10	434
BB6747	201	202	< 0.01	40	460	44	< 2	4	4	0.14	< 10	< 10	80	< 10	76
BB6748	201	202	< 0.01	72	430	130	< 2	5	16	0.10	< 10	< 10	34	< 10	310
BB6749	201	202	0.01	292	1250	14	< 2	10	32	0.14	< 10	< 10	115	< 10	130
BB6750	201	202	0.01	58	1110	6	2	13	23	0.38	< 10	< 10	151	< 10	120
BB6751	201	202	0.01	94	870	26	< 2	8	24	0.16	< 10	< 10	127	< 10	146
BB6752	201	202	0.03	76	1290	16	2	7	65	0.14	< 10	< 10	120	< 10	148
BB6753	201	202	0.01	66	580	8	< 2	6	39	0.15	< 10	< 10	117	< 10	116
BB6754	201	202	0.03	111	1290	14	2	17	74	0.30	< 10	< 10	216	< 10	204
BB6755	201	202	0.02	63	1120	12	6	6	36	0.19	< 10	< 10	142	< 10	142
BB6756	201	202	0.02	78	1240	18	< 2	8	53	0.17	< 10	< 10	152	< 10	178
BB6757	201	202	0.02	61	780	24	6	10	40	0.17	< 10	< 10	98	< 10	164
BB6758	201	202	0.01	54	810	24	< 2	7	39	0.15	< 10	< 10	90	< 10	170
BB6759	201	202	< 0.01	49	720	12	6	6	18	0.27	< 10	< 10	124	< 10	96
BB6760	201	202	0.01	49	740	14	< 2	5	34	0.15	< 10	< 10	93	< 10	126
BB6761	201	202	< 0.01	49	1100	12	8	6	25	0.17	< 10	< 10	108	< 10	108
BB6762	201	202	< 0.01	47	580	10	< 2	6	24	0.18	< 10	< 10	108	< 10	92
BB6763	201	202	< 0.01	26	570	8	< 2	4	13	0.29	< 10	< 10	116	< 10	46
BB6764	201	202	0.01	50	1190	10	< 2	6	26	0.22	< 10	< 10	132	< 10	106
BB6765	201	202	0.02	51	1640	8	< 2	9	43	0.22	< 10	< 10	130	< 10	96
BB6766	201	202	0.02	42	650	4	< 2	8	29	0.30	< 10	< 10	126	< 10	96
BB6767	201	202	0.01	90	1500	16	< 2	10	40	0.23	< 10	< 10	117	< 10	118
BB6768	201	202	0.10	157	470	14	< 2	27	51	0.19	< 10	< 10	192	< 10	132
BB6769	201	202	0.02	41	580	10	< 2	6	24	0.12	< 10	< 10	64	< 10	66
BB6770	201	202	< 0.01	8	160	10	< 2	1	9	0.11	< 10	< 10	42	< 10	22
BB6771	201	202	0.01	28	530	12	6	4	15	0.10	< 10	< 10	59	< 10	50
BB6772	201	202	0.01	42	570	12	2	11	26	0.20	< 10	< 10	130	< 10	76
BB6894	201	202	0.09	1	170	2	< 2	< 1	4	0.02	< 10	< 10	10	< 10	4

CERTIFICATION: Ian R. Pitcher

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 : HAT TRICK
Comments:

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Total Pages : 7
Certificate Date: 31-JUL-96
Invoice No. : I9625264
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9625264

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
BB6895	201	202	< 0.2	2.20	< 2	340	< 0.5	< 2	0.08	< 0.5	6	49	22	3.34	10	< 1	0.35	10	0.85	365	3
BB6896	201	202	< 0.2	1.33	2	130	< 0.5	< 2	0.06	< 0.5	5	38	14	2.22	10	< 1	0.15	< 10	0.64	170	3
BB6897	201	202	0.2	1.75	12	150	< 0.5	< 2	0.07	< 0.5	8	37	23	3.70	10	< 1	0.16	< 10	0.69	300	1
BB6898	201	202	< 0.2	1.83	18	230	< 0.5	2	0.11	< 0.5	10	53	24	2.95	10	< 1	0.21	10	0.97	295	1
BB6899	201	202	0.8	3.05	42	290	1.5	2	1.20	< 0.5	10	57	43	3.35	10	< 1	0.27	100	0.94	750	5
BB6900	201	202	0.8	2.86	86	270	1.5	< 2	1.78	0.5	10	74	78	2.79	< 10	< 1	0.18	200	0.97	1840	5
BB6901	201	202	0.2	2.89	2	200	< 0.5	< 2	0.13	< 0.5	11	113	13	4.06	10	< 1	0.29	< 10	1.74	345	< 1
BB6902	201	202	< 0.2	1.87	6	80	< 0.5	< 2	0.13	< 0.5	9	105	12	3.75	20	< 1	0.10	< 10	1.05	270	1
BB6903	201	202	0.6	1.75	8	180	< 0.5	< 2	0.14	< 0.5	9	74	18	3.50	10	< 1	0.32	< 10	0.95	265	2
BB6904	201	202	< 0.2	1.42	2	130	< 0.5	< 2	0.07	< 0.5	6	41	8	2.91	10	< 1	0.17	< 10	0.70	220	1
BB6905	201	202	0.2	1.76	< 2	310	< 0.5	< 2	0.15	0.5	10	36	19	4.53	20	< 1	0.36	10	0.80	250	2
BB6906	201	202	0.6	0.60	< 2	40	< 0.5	< 2	0.10	< 0.5	1	1	3	0.29	< 10	< 1	0.02	< 10	0.04	15	< 1
BB6907	201	202	< 0.2	2.39	< 2	360	0.5	8	0.23	0.5	18	76	41	3.59	10	< 1	0.54	20	1.29	570	1
BB6908	201	202	0.2	1.09	< 2	220	< 0.5	< 2	0.17	4.0	8	24	19	1.33	< 10	< 1	0.05	< 10	0.19	975	< 1
BB6909	201	202	0.2	3.37	< 2	280	0.5	< 2	0.11	< 0.5	14	94	21	4.45	10	< 1	0.30	< 10	1.17	395	2
BB6910	201	202	< 0.2	2.13	< 2	140	0.5	< 2	0.18	< 0.5	8	70	10	2.44	< 10	< 1	0.13	10	0.94	240	1
BB6911	201	202	< 0.2	2.08	< 2	120	0.5	< 2	0.13	< 0.5	8	76	9	2.78	10	< 1	0.06	10	0.80	190	< 1
BB6912	201	202	< 0.2	2.47	10	370	1.0	2	0.49	< 0.5	20	99	62	4.13	10	< 1	0.41	20	1.35	835	2
BB6944	201	202	< 0.2	5.03	< 2	940	1.0	< 2	0.07	< 0.5	47	178	73	9.40	20	< 1	1.09	< 10	2.54	1000	< 1
BB6945	201	202	< 0.2	3.02	4	170	0.5	< 2	0.27	0.5	14	111	38	4.45	10	< 1	0.20	10	1.44	345	1
BB6946	201	202	0.2	3.15	12	490	1.0	< 2	0.88	< 0.5	18	85	65	4.18	10	< 1	0.39	50	1.36	790	2
BB6947	201	202	< 0.2	2.46	< 2	300	0.5	< 2	0.66	< 0.5	16	93	44	3.58	10	< 1	0.30	30	1.40	545	< 1
BB6948	201	202	< 0.2	1.36	< 2	130	< 0.5	2	0.09	< 0.5	6	42	16	2.60	10	< 1	0.16	< 10	0.44	170	2
BB6949	201	202	< 0.2	2.70	6	450	0.5	< 2	0.81	< 0.5	14	39	53	4.42	10	< 1	0.77	30	1.01	525	< 1
BB6950	201	202	0.8	2.44	< 2	780	0.5	2	0.75	< 0.5	14	61	47	4.54	10	< 1	0.46	50	1.17	675	1
BB6951	201	202	< 0.2	4.55	8	970	1.0	< 2	0.58	< 0.5	20	230	31	4.07	10	< 1	0.77	40	2.68	1185	< 1
BB6952	201	202	< 0.2	1.68	8	530	< 0.5	< 2	0.24	< 0.5	8	32	46	3.32	10	< 1	0.47	< 10	0.70	345	3
BB6953	201	202	< 0.2	2.81	< 2	460	1.0	< 2	0.80	< 0.5	17	103	48	4.12	10	< 1	0.31	20	1.72	1160	3
BB6954	201	202	< 0.2	2.36	< 2	510	0.5	2	0.33	< 0.5	14	39	37	4.69	10	< 1	0.28	10	0.80	580	3
BB6955	201	202	< 0.2	3.10	6	240	0.5	< 2	0.16	0.5	13	69	39	4.27	10	< 1	0.56	20	1.35	635	< 1
BB6956	201	202	< 0.2	1.81	2	130	< 0.5	< 2	0.14	< 0.5	8	68	6	2.48	10	< 1	0.15	< 10	1.01	235	< 1
BB6957	201	202	< 0.2	3.68	10	220	1.5	< 2	0.19	< 0.5	17	112	32	6.13	10	< 1	0.13	10	1.34	380	1
BB6958	201	202	< 0.2	1.47	6	120	< 0.5	< 2	0.08	< 0.5	8	55	15	3.82	10	< 1	0.11	< 10	0.61	200	2
BB6959	201	202	0.8	2.36	4	150	0.5	2	0.12	0.5	12	70	19	4.10	10	< 1	0.20	< 10	0.81	435	4

CERTIFICATION:

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

Project : HAT TRICK
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Total Pages :7
Certificate Date: 31-JUL-96
Invoice No. :I9625264
P.O. Number :
Account :MPO

CERTIFICATE OF ANALYSIS A9625264

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
BB6895	201	202	0.01	16	570	22	< 2	3	12	0.15	< 10	< 10	80	< 10	94
BB6896	201	202	< 0.01	12	460	18	< 2	1	10	0.13	< 10	< 10	68	< 10	46
BB6897	201	202	< 0.01	19	510	22	< 2	4	7	0.20	< 10	< 10	136	< 10	64
BB6898	201	202	< 0.01	25	470	18	< 2	3	13	0.14	< 10	< 10	72	< 10	88
BB6899	201	202	0.02	37	1530	14	< 2	3	38	0.07	< 10	10	53	< 10	134
BB6900	201	202	0.01	51	1510	16	< 2	3	56	0.06	< 10	80	46	< 10	112
BB6901	201	202	< 0.01	34	300	14	< 2	8	8	0.33	< 10	< 10	114	< 10	72
BB6902	201	202	< 0.01	33	500	20	< 2	5	10	0.39	< 10	< 10	125	< 10	56
BB6903	201	202	< 0.01	28	880	20	< 2	5	13	0.24	< 10	< 10	94	< 10	72
BB6904	201	202	< 0.01	13	230	16	< 2	3	5	0.21	< 10	< 10	75	< 10	54
BB6905	201	202	< 0.01	17	870	22	2	3	20	0.45	< 10	< 10	107	< 10	74
BB6906	201	202	0.06	2	300	< 2	< 2	< 1	6	0.03	< 10	< 10	7	< 10	2
BB6907	201	202	< 0.01	43	510	14	< 2	6	13	0.21	< 10	< 10	74	< 10	96
BB6908	201	202	0.03	14	450	10	< 2	< 1	15	0.10	< 10	< 10	37	< 10	112
BB6909	201	202	< 0.01	36	400	14	< 2	6	7	0.22	< 10	< 10	106	< 10	96
BB6910	201	202	< 0.01	25	330	12	< 2	5	9	0.13	< 10	< 10	62	< 10	54
BB6911	201	202	< 0.01	27	260	12	< 2	4	7	0.10	< 10	< 10	60	< 10	54
BB6912	201	202	0.01	79	940	16	< 2	7	26	0.12	< 10	< 10	95	< 10	110
BB6944	201	202	< 0.01	103	900	20	< 2	14	8	0.36	< 10	< 10	235	< 10	188
BB6945	201	202	< 0.01	51	720	12	< 2	7	14	0.20	< 10	< 10	98	< 10	82
BB6946	201	202	0.01	57	1280	18	6	7	31	0.11	< 10	< 10	82	< 10	108
BB6947	201	202	0.01	54	420	10	< 2	7	20	0.17	< 10	< 10	76	< 10	88
BB6948	201	202	< 0.01	19	130	16	< 2	3	6	0.20	< 10	< 10	98	< 10	40
BB6949	201	202	< 0.01	25	810	10	< 2	5	27	0.15	< 10	< 10	53	< 10	120
BB6950	201	202	< 0.01	44	810	18	4	9	44	0.15	< 10	< 10	72	< 10	122
BB6951	201	202	0.01	125	550	12	10	13	18	0.19	< 10	< 10	121	< 10	158
BB6952	201	202	< 0.01	26	260	18	< 2	5	9	0.13	< 10	< 10	100	< 10	98
BB6953	201	202	< 0.01	58	940	28	< 2	9	23	0.13	< 10	< 10	104	< 10	124
BB6954	201	202	< 0.01	36	690	34	< 2	4	16	0.12	< 10	< 10	55	< 10	106
BB6955	201	202	< 0.01	42	520	16	< 2	7	10	0.17	< 10	< 10	82	< 10	114
BB6956	201	202	< 0.01	22	240	10	2	5	6	0.18	< 10	< 10	71	< 10	60
BB6957	201	202	< 0.01	47	950	26	< 2	7	10	0.30	< 10	< 10	143	< 10	100
BB6958	201	202	< 0.01	20	670	18	< 2	3	7	0.21	< 10	< 10	134	< 10	52
BB6959	201	202	< 0.01	25	780	22	< 2	4	9	0.16	< 10	< 10	101	< 10	96

CERTIFICATION: Stewart Richler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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Certificate Date: 17-JUL-96
Invoice No. : I9623525
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9623525

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
N110315	205	226	< 0.2	1.88	< 2	< 10	< 0.5	< 2	1.66	< 0.5	43	172	326	5.27	< 10	< 1	0.07	80	1.15	500	< 1
N110316	205	226	< 0.2	0.16	80	< 10	< 0.5	< 2	0.09	< 0.5	27	131	66	4.93	< 10	< 1	0.03	< 10	0.07	30	< 1
N110317	205	226	< 0.2	1.60	2	250	1.5	< 2	3.55	< 0.5	7	42	3	3.46	< 10	< 1	0.62	40	0.38	735	< 1
N110318	205	226	0.8	0.43	< 2	< 10	< 0.5	2	0.07	< 0.5	135	205	340	14.90	< 10	< 1	0.04	10	0.12	105	1

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

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P.O. Number :
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CERTIFICATE OF ANALYSIS A9623525

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
N110315	205	226	0.11	34	280	2	10	7	45	< 0.01	< 10	< 10	44	< 10	26
N110316	205	226	0.02	6	80	< 2	< 2	< 1	4	< 0.01	< 10	< 10	5	< 10	< 2
N110317	205	226	0.03	4	1640	6	2	7	320	< 0.01	< 10	< 10	61	< 10	34
N110318	205	226	0.04	56	80	6	< 2	< 1	5	< 0.01	< 10	10	11	< 10	4

CERTIFICATION: Stan Bichler

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Project : HAT TRICK
Comments:

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Total Pages : 2
Certificate Date: 12-JUL-96
Invoice No. : 19622895
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9622895

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
BB05045	201	202	< 0.2	2.72	2	180	0.5	< 2	0.58	< 0.5	24	108	58	3.79	< 10	< 1	0.38	< 10	2.15	415	< 1
BB05046	201	202	0.2	2.79	< 2	170	< 0.5	< 2	0.97	< 0.5	35	136	56	5.98	< 10	3	0.39	10	1.71	825	1
BB05047	201	202	< 0.2	2.58	2	100	< 0.5	< 2	0.48	< 0.5	39	69	59	5.96	< 10	< 1	0.14	10	1.78	1125	6
BB05048	201	202	< 0.2	2.12	< 2	110	< 0.5	< 2	0.30	< 0.5	15	99	21	3.69	< 10	< 1	0.23	< 10	1.47	335	< 1
BB05049	201	202	< 0.2	4.19	< 2	480	0.5	< 2	0.93	< 0.5	33	252	82	4.92	< 10	< 1	0.66	< 10	3.29	1720	< 1
BB05501	201	202	< 0.2	2.62	< 2	120	< 0.5	< 2	0.46	< 0.5	24	125	30	3.08	< 10	< 1	0.21	< 10	2.45	700	< 1
BB05502	201	202	< 0.2	3.00	< 2	50	< 0.5	< 2	0.41	< 0.5	21	127	20	4.03	< 10	1	0.04	< 10	2.46	470	< 1
BB05503	201	202	< 0.2	2.79	< 2	80	< 0.5	< 2	0.43	< 0.5	20	95	28	3.39	< 10	3	0.09	< 10	2.50	410	< 1
BB05504	201	202	< 0.2	2.60	< 2	40	< 0.5	< 2	0.32	< 0.5	17	73	37	3.69	< 10	< 1	0.06	< 10	1.94	440	< 1
BB05505	201	202	< 0.2	2.86	2	120	0.5	< 2	0.52	< 0.5	21	93	47	3.76	< 10	1	0.13	< 10	2.09	455	< 1
BB05506	201	202	< 0.2	2.84	< 2	260	< 0.5	< 2	0.54	< 0.5	23	83	74	3.62	< 10	< 1	0.22	< 10	2.38	410	< 1
BB05507	201	202	< 0.2	2.65	< 2	120	< 0.5	< 2	0.56	< 0.5	19	125	35	3.29	< 10	< 1	0.11	< 10	2.21	385	< 1
BB05508	201	202	< 0.2	2.84	< 2	250	< 0.5	< 2	0.58	< 0.5	21	119	68	3.96	< 10	1	0.14	< 10	2.33	400	1
BB05509	201	202	< 0.2	1.03	< 2	30	< 0.5	< 2	0.21	< 0.5	5	34	2	1.20	< 10	< 1	0.01	< 10	0.65	115	< 1
BB05510	201	202	0.2	1.70	< 2	100	< 0.5	< 2	0.25	< 0.5	11	92	12	1.92	< 10	1	0.08	< 10	1.24	245	< 1
BB05511	201	202	< 0.2	1.02	< 2	50	< 0.5	< 2	0.09	< 0.5	4	33	5	1.56	< 10	1	0.03	< 10	0.53	135	< 1
BB05512	201	202	< 0.2	1.91	< 2	60	< 0.5	< 2	0.19	< 0.5	9	56	19	2.79	< 10	< 1	0.06	< 10	0.97	230	1
BB05513	201	202	0.4	1.83	< 2	90	< 0.5	< 2	0.18	< 0.5	9	64	13	2.99	< 10	< 1	0.05	< 10	1.07	215	1
BB05514	201	202	< 0.2	1.15	2	60	< 0.5	< 2	0.16	< 0.5	6	37	8	1.95	< 10	< 1	0.04	< 10	0.65	150	< 1
BB05515	201	202	< 0.2	3.27	< 2	180	0.5	< 2	0.76	< 0.5	22	81	45	3.82	< 10	1	0.12	10	1.68	340	< 1
BB05516	201	202	< 0.2	3.68	< 2	140	0.5	< 2	0.88	< 0.5	20	105	64	3.98	10	< 1	0.14	20	1.97	275	1
BB05517	201	202	< 0.2	2.98	< 2	60	0.5	< 2	0.12	< 0.5	10	62	26	4.40	< 10	2	0.04	< 10	0.90	370	3
BB05518	201	202	< 0.2	2.55	< 2	40	< 0.5	< 2	0.13	< 0.5	9	66	19	4.61	< 10	< 1	0.03	10	0.79	240	4
BB05519	201	202	< 0.2	2.93	< 2	60	< 0.5	< 2	0.23	< 0.5	14	83	47	3.51	< 10	< 1	0.08	< 10	1.67	305	< 1
BB05520	201	202	< 0.2	2.41	< 2	50	< 0.5	< 2	0.22	< 0.5	13	73	27	3.17	< 10	< 1	0.06	10	1.36	280	< 1
BB05521	201	202	< 0.2	2.62	< 2	60	< 0.5	< 2	0.17	< 0.5	10	63	15	3.14	< 10	1	0.07	< 10	1.14	215	< 1
BB05522	201	202	< 0.2	2.40	8	60	< 0.5	< 2	0.19	< 0.5	9	65	32	3.10	< 10	< 1	0.07	10	1.21	215	1
BB05523	201	202	< 0.2	2.37	2	160	< 0.5	< 2	0.62	< 0.5	20	77	67	3.90	< 10	< 1	0.21	10	1.65	585	2
BB05524	201	202	0.2	2.07	< 2	100	< 0.5	< 2	0.19	< 0.5	7	47	24	2.13	< 10	1	0.09	< 10	0.80	175	1
BB05525	201	202	< 0.2	2.11	< 2	80	< 0.5	< 2	0.23	< 0.5	10	56	22	2.63	< 10	< 1	0.09	10	0.95	310	< 1
BB05526	201	202	< 0.2	1.67	4	90	< 0.5	< 2	0.31	< 0.5	13	49	15	2.79	< 10	< 1	0.08	10	0.91	505	1
BB05527	201	202	< 0.2	2.56	< 2	40	0.5	< 2	0.33	< 0.5	16	77	37	3.37	10	< 1	0.11	< 10	0.83	400	1
BB05528	201	202	< 0.2	2.14	< 2	60	0.5	< 2	0.21	< 0.5	12	65	20	3.07	< 10	< 1	0.20	< 10	0.96	250	< 1
BB05529	201	202	< 0.2	3.02	< 2	110	2.0	< 2	0.61	< 0.5	24	113	80	3.64	< 10	< 1	0.10	10	1.78	770	< 1
BB05530	201	202	< 0.2	3.90	< 2	80	1.0	< 2	0.32	< 0.5	20	89	54	5.14	10	< 1	0.24	10	1.68	355	1
BB05531	201	202	< 0.2	6.61	< 2	100	2.0	< 2	1.91	< 0.5	20	70	27	5.32	10	2	0.51	30	1.64	765	< 1
BB05532	201	202	< 0.2	4.55	< 2	90	1.5	< 2	0.59	< 0.5	15	56	26	3.87	10	< 1	0.37	30	1.10	545	< 1
BB05533	201	202	< 0.2	3.95	< 2	170	1.0	< 2	0.34	< 0.5	16	94	43	4.32	< 10	1	0.66	20	1.56	255	1
BB05534	201	202	< 0.2	2.74	< 2	120	0.5	< 2	0.33	< 0.5	26	107	52	4.13	< 10	1	0.36	30	1.23	335	< 1
BB05535	201	202	< 0.2	1.29	< 2	120	< 0.5	< 2	0.14	< 0.5	6	37	18	2.35	< 10	< 1	0.18	10	0.52	445	< 1

CERTIFICATION: Hart Buchler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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

Project : HAT TRICK
Comments:

Page Number : 1-B
Total Pages : 2
Certificate Date: 12-JUL-96
Invoice No. : I9622895
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9622895

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
BB05045	201	202	< 0.01	67	1570	4	< 2	6	23	0.14	< 10	< 10	105	< 10	82
BB05046	201	202	< 0.01	101	3300	4	< 2	13	23	0.08	< 10	< 10	119	< 10	108
BB05047	201	202	< 0.01	86	2520	6	2	7	28	0.03	< 10	< 10	97	< 10	118
BB05048	201	202	< 0.01	49	560	6	< 2	2	13	0.13	< 10	< 10	82	< 10	86
BB05049	201	202	< 0.01	106	1360	2	6	6	18	0.23	< 10	< 10	142	< 10	94
BB05501	201	202	< 0.01	69	1340	< 2	< 2	1	13	0.14	< 10	< 10	84	< 10	46
BB05502	201	202	< 0.01	69	900	4	< 2	3	21	0.23	< 10	< 10	117	< 10	68
BB05503	201	202	< 0.01	59	860	< 2	< 2	4	22	0.19	< 10	< 10	103	< 10	58
BB05504	201	202	< 0.01	44	900	4	< 2	4	21	0.16	< 10	< 10	107	< 10	62
BB05505	201	202	< 0.01	57	1160	6	< 2	5	33	0.14	< 10	< 10	94	< 10	68
BB05506	201	202	< 0.01	53	1020	2	< 2	4	25	0.20	< 10	< 10	98	< 10	62
BB05507	201	202	< 0.01	64	770	4	< 2	4	29	0.18	< 10	< 10	87	< 10	60
BB05508	201	202	< 0.01	66	450	4	< 2	5	25	0.24	< 10	< 10	108	< 10	68
BB05509	201	202	< 0.01	15	120	8	< 2	1	10	0.18	< 10	< 10	41	< 10	20
BB05510	201	202	< 0.01	29	260	2	< 2	2	12	0.20	< 10	< 10	55	< 10	36
BB05511	201	202	< 0.01	14	410	6	< 2	1	7	0.08	< 10	< 10	44	< 10	26
BB05512	201	202	< 0.01	33	700	8	< 2	3	10	0.08	< 10	< 10	54	< 10	62
BB05513	201	202	< 0.01	30	1120	8	< 2	4	14	0.10	< 10	< 10	72	< 10	52
BB05514	201	202	< 0.01	17	270	6	< 2	2	11	0.12	< 10	< 10	55	< 10	34
BB05515	201	202	0.02	53	700	12	< 2	7	89	0.08	< 10	< 10	71	< 10	104
BB05516	201	202	0.03	63	670	12	2	8	97	0.09	< 10	< 10	80	< 10	106
BB05517	201	202	< 0.01	29	1450	10	< 2	4	11	0.10	< 10	< 10	90	< 10	86
BB05518	201	202	< 0.01	26	500	10	< 2	5	11	0.12	< 10	< 10	87	< 10	52
BB05519	201	202	< 0.01	41	360	8	4	6	15	0.11	< 10	< 10	73	< 10	70
BB05520	201	202	< 0.01	32	540	6	2	5	14	0.09	< 10	< 10	68	< 10	58
BB05521	201	202	< 0.01	25	330	6	2	4	15	0.10	< 10	< 10	66	< 10	54
BB05522	201	202	< 0.01	29	410	6	< 2	5	15	0.09	< 10	< 10	68	< 10	60
BB05523	201	202	0.01	50	850	6	2	7	41	0.09	< 10	< 10	69	< 10	110
BB05524	201	202	0.01	23	720	8	< 2	4	14	0.05	< 10	< 10	49	< 10	42
BB05525	201	202	< 0.01	34	660	8	< 2	3	13	0.07	< 10	< 10	51	< 10	52
BB05526	201	202	< 0.01	27	860	8	< 2	3	18	0.05	< 10	< 10	45	< 10	62
BB05527	201	202	< 0.01	29	850	8	< 2	3	30	0.13	< 10	< 10	68	< 10	56
BB05528	201	202	< 0.01	21	590	8	< 2	3	10	0.21	< 10	< 10	79	< 10	42
BB05529	201	202	0.01	91	730	20	< 2	8	34	0.09	< 10	< 10	100	< 10	144
BB05530	201	202	< 0.01	51	640	10	< 2	7	25	0.16	< 10	< 10	106	< 10	80
BB05531	201	202	0.23	41	790	16	2	12	443	0.18	< 10	< 10	70	< 10	122
BB05532	201	202	0.07	33	970	12	< 2	7	158	0.13	< 10	< 10	53	< 10	102
BB05533	201	202	0.01	53	840	10	< 2	8	36	0.15	< 10	< 10	71	< 10	74
BB05534	201	202	< 0.01	86	1000	10	< 2	5	33	0.14	< 10	< 10	59	< 10	82
BB05535	201	202	0.01	16	850	10	< 2	1	17	0.05	< 10	< 10	53	< 10	48

CERTIFICATION: Ian Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

Project : HAT TRICK
Comments:

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Total Pages :2
Certificate Date: 12-JUL-96
Invoice No. :I9622895
P.O. Number :
Account :MPO

CERTIFICATE OF ANALYSIS A9622895

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
BB05536	201	202	< 0.2	1.70	< 2	120	< 0.5	< 2	0.30	< 0.5	13	60	17	2.91	< 10	< 1	0.23	< 10	0.80	445	< 1
BB05537	201	202	< 0.2	2.98	< 2	320	1.0	< 2	0.32	< 0.5	22	98	20	5.14	10	1	1.18	10	1.85	1440	1
BB05538	201	202	< 0.2	2.90	< 2	530	0.5	< 2	0.49	< 0.5	21	109	41	4.53	10	< 1	0.36	10	1.49	1005	1
BB05539	201	202	< 0.2	2.48	< 2	210	1.0	< 2	0.24	< 0.5	18	83	49	4.17	< 10	< 1	0.10	< 10	1.15	765	1
BB05540	201	202	< 0.2	1.71	< 2	120	< 0.5	< 2	0.33	< 0.5	11	75	37	3.18	< 10	2	0.11	< 10	0.94	370	< 1
BB05541	201	202	0.2	2.39	< 2	360	0.5	< 2	0.28	< 0.5	18	82	49	4.00	< 10	< 1	0.29	10	1.17	1085	1
BB05542	201	202	< 0.2	2.08	< 2	80	< 0.5	< 2	0.22	< 0.5	8	61	55	2.24	< 10	< 1	0.04	< 10	1.12	330	< 1
BB05543	201	202	< 0.2	2.91	< 2	90	< 0.5	< 2	0.19	< 0.5	14	77	180	3.51	< 10	1	0.04	< 10	1.61	325	< 1
BB05544	201	202	< 0.2	2.93	< 2	30	< 0.5	< 2	0.67	< 0.5	15	112	93	1.60	< 10	< 1	0.03	< 10	1.29	120	< 1
BB05545	201	202	< 0.2	3.00	< 2	30	< 0.5	< 2	0.90	< 0.5	18	37	158	2.40	< 10	1	0.06	< 10	1.52	265	< 1
BB05546	201	202	0.2	4.77	< 2	10	< 0.5	< 2	1.32	< 0.5	35	106	376	4.56	< 10	< 1	0.07	< 10	2.19	425	1
BB05547	201	202	0.2	2.39	< 2	100	< 0.5	< 2	0.32	< 0.5	12	69	45	3.79	< 10	< 1	0.12	< 10	1.26	525	1
BB05548	201	202	< 0.2	3.54	< 2	260	< 0.5	< 2	0.30	< 0.5	38	116	183	5.03	< 10	< 1	0.20	10	2.24	620	1
BB13872	201	202	< 0.2	2.98	< 2	50	0.5	< 2	0.20	< 0.5	10	46	14	4.52	10	1	0.10	10	0.79	265	< 1
BB13873	201	202	< 0.2	2.82	< 2	50	0.5	< 2	0.22	< 0.5	9	39	15	3.56	10	< 1	0.09	10	0.87	190	< 1
BB13874	201	202	< 0.2	3.66	< 2	70	1.0	< 2	0.48	< 0.5	14	38	22	3.32	< 10	1	0.14	20	0.95	280	< 1
BB13875	201	202	< 0.2	3.13	< 2	60	0.5	< 2	0.22	< 0.5	10	41	17	3.71	10	2	0.13	20	0.88	190	< 1
BB13876	201	202	< 0.2	2.03	< 2	40	< 0.5	< 2	0.09	< 0.5	8	33	12	3.00	< 10	1	0.11	10	0.78	150	< 1
BB13877	201	202	< 0.2	2.74	< 2	60	0.5	< 2	0.44	< 0.5	12	36	37	3.84	10	< 1	0.14	20	1.00	150	< 1
BB13878	201	202	< 0.2	3.03	< 2	60	0.5	< 2	0.75	< 0.5	12	40	19	3.54	< 10	1	0.11	10	0.89	250	< 1
BB13879	201	202	< 0.2	3.45	< 2	80	0.5	< 2	0.42	< 0.5	16	55	13	5.42	10	1	0.19	20	1.18	425	< 1

CERTIFICATION: Ian Bradley

Chemex Labs Ltd.

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

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

Project : HAT TRICK
Comments:

Certificate Date: 12-JUL-96
Invoice No. :I9622895
P.O. Number :
Account :MPO

CERTIFICATE OF ANALYSIS A9622895

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
BB05536	201	202	< 0.01	22	730	8	< 2	3	19	0.19	< 10	< 10	74	< 10	40
BB05537	201	202	< 0.01	32	1140	6	< 2	9	16	0.28	< 10	< 10	150	< 10	88
BB05538	201	202	< 0.01	54	1110	14	< 2	7	32	0.17	< 10	< 10	158	< 10	120
BB05539	201	202	< 0.01	42	1040	12	2	5	15	0.08	< 10	< 10	115	< 10	104
BB05540	201	202	0.02	37	960	6	< 2	4	9	0.09	< 10	< 10	96	< 10	62
BB05541	201	202	0.01	38	1350	10	< 2	5	17	0.10	< 10	< 10	123	< 10	118
BB05542	201	202	0.05	25	530	4	< 2	4	7	0.03	< 10	< 10	82	< 10	64
BB05543	201	202	0.02	31	310	4	< 2	6	8	0.07	< 10	< 10	104	< 10	98
BB05544	201	202	0.02	53	180	< 2	< 2	3	12	0.05	< 10	< 10	39	< 10	18
BB05545	201	202	0.03	26	430	< 2	< 2	4	17	0.07	< 10	< 10	79	< 10	38
BB05546	201	202	0.01	67	460	4	< 2	6	29	0.08	< 10	< 10	102	< 10	90
BB05547	201	202	0.03	33	630	6	< 2	6	16	0.11	< 10	< 10	119	< 10	62
BB05548	201	202	0.01	78	550	8	2	13	13	0.13	< 10	< 10	142	< 10	184
BB13872	201	202	< 0.01	24	290	12	< 2	4	45	0.10	< 10	< 10	64	< 10	68
BB13873	201	202	0.01	24	370	12	< 2	4	48	0.09	< 10	< 10	61	< 10	58
BB13874	201	202	0.01	33	640	14	2	5	80	0.09	< 10	< 10	43	< 10	76
BB13875	201	202	< 0.01	27	530	10	< 2	4	40	0.08	< 10	< 10	49	< 10	68
BB13876	201	202	< 0.01	21	330	8	< 2	3	18	0.07	< 10	< 10	44	< 10	54
BB13877	201	202	< 0.01	32	530	12	< 2	4	31	0.14	< 10	< 10	75	< 10	78
BB13878	201	202	0.02	27	440	14	< 2	5	170	0.07	< 10	< 10	46	< 10	98
BB13879	201	202	0.01	37	420	20	< 2	5	95	0.04	< 10	< 10	56	< 10	96

CERTIFICATION: [signature]

Chemex Labs Ltd.

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

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

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Total Pages : 1
Certificate Date: 08-JUL-96
Invoice No. : I9622714
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9622714

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
BB05001	201	202	< 0.2	2.48	< 2	90	< 0.5	< 2	0.29	< 0.5	17	87	28	3.97	< 10	< 1	0.16	< 10	1.35	430	< 1
BB05002	201	202	< 0.2	3.13	< 2	250	0.5	< 2	0.40	0.5	17	76	56	4.59	< 10	1	0.17	40	1.93	520	4
BB05003	201	202	< 0.2	3.63	< 2	130	< 0.5	< 2	0.95	< 0.5	28	320	113	3.36	< 10	< 1	0.11	< 10	3.38	510	< 1
BB05004	201	202	< 0.2	2.57	< 2	110	< 0.5	< 2	0.25	< 0.5	15	85	34	4.09	< 10	1	0.10	< 10	1.43	365	1
BB05005	201	202	< 0.2	1.47	< 2	130	< 0.5	< 2	0.41	< 0.5	12	55	11	1.93	< 10	< 1	0.09	< 10	1.30	450	< 1
BB05006	201	202	< 0.2	2.22	< 2	210	< 0.5	< 2	0.66	< 0.5	22	37	41	3.61	< 10	1	0.22	< 10	1.87	470	< 1
BB05007	201	202	< 0.2	2.84	< 2	130	< 0.5	< 2	0.44	< 0.5	21	99	25	3.31	< 10	< 1	0.12	< 10	2.56	490	< 1
BB05008	201	202	< 0.2	3.80	< 2	90	0.5	< 2	0.65	< 0.5	26	97	50	5.14	< 10	1	0.07	< 10	2.79	745	< 1
BB01149	201	202	< 0.2	2.76	< 2	70	0.5	< 2	0.18	< 0.5	12	61	15	5.04	< 10	< 1	0.19	10	1.02	325	< 1
BB01150	201	202	< 0.2	3.21	< 2	60	1.0	< 2	0.50	< 0.5	26	73	38	5.27	10	1	0.11	20	1.52	650	< 1
BB01151	201	202	< 0.2	1.61	< 2	150	0.5	< 2	1.08	< 0.5	7	32	24	2.24	< 10	< 1	0.10	30	0.53	250	< 1
BB01152	201	202	< 0.2	3.73	< 2	70	< 0.5	< 2	0.43	< 0.5	30	700	38	3.96	< 10	< 1	0.05	< 10	5.16	735	< 1
BB13865	201	202	< 0.2	2.50	< 2	50	0.5	< 2	0.11	< 0.5	13	35	28	3.39	< 10	< 1	0.16	30	0.90	210	< 1
BB13866	201	202	< 0.2	2.16	< 2	60	0.5	< 2	0.26	< 0.5	11	32	23	3.74	< 10	< 1	0.10	30	0.91	185	< 1
BB13867	201	202	< 0.2	2.78	< 2	50	1.5	< 2	0.54	< 0.5	17	35	37	3.31	< 10	< 1	0.11	40	0.86	375	< 1
BB13868	201	202	< 0.2	1.86	< 2	70	< 0.5	< 2	0.27	< 0.5	8	20	12	2.03	< 10	< 1	0.06	10	0.35	510	< 1
BB13869	201	202	< 0.2	2.89	< 2	80	0.5	< 2	0.32	< 0.5	15	61	15	3.95	10	< 1	0.13	10	1.03	575	< 1
BB13870	201	202	< 0.2	3.63	< 2	50	1.0	< 2	0.70	< 0.5	13	61	13	4.22	10	< 1	0.11	20	0.95	365	< 1
BB13871	201	202	< 0.2	4.82	< 2	50	1.5	< 2	0.74	< 0.5	17	53	14	4.38	10	< 1	0.08	30	0.85	525	< 1
BB13872	--	--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

CERTIFICATION: Stuart Buchler

Chemex Labs Ltd.

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Page Number : 1-B
Total Pages : 1
Certificate Date: 08-JUL-96
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CERTIFICATE OF ANALYSIS A9622714

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
BB05001	201	202	< 0.01	37	300	8	< 2	6	32	0.16	< 10	< 10	82	< 10	68
BB05002	201	202	< 0.01	58	850	10	< 2	8	22	0.04	< 10	< 10	102	< 10	138
BB05003	201	202	< 0.01	122	580	< 2	< 2	10	25	0.20	< 10	< 10	95	< 10	46
BB05004	201	202	< 0.01	38	450	6	< 2	6	23	0.13	< 10	< 10	106	< 10	84
BB05005	201	202	< 0.01	26	1050	< 2	< 2	3	20	0.11	< 10	< 10	60	< 10	36
BB05006	201	202	< 0.01	28	1390	< 2	< 2	9	13	0.15	< 10	< 10	135	< 10	38
BB05007	201	202	< 0.01	43	860	< 2	< 2	4	29	0.26	< 10	< 10	104	< 10	66
BB05008	201	202	< 0.01	44	1080	< 2	< 2	10	32	0.28	< 10	< 10	175	< 10	74
BB01149	201	202	< 0.01	30	510	16	< 2	5	29	0.05	< 10	< 10	52	< 10	82
BB01150	201	202	< 0.01	45	740	10	< 2	7	88	0.14	< 10	< 10	88	< 10	112
BB01151	201	202	0.04	22	630	8	< 2	3	89	0.01	< 10	< 10	27	< 10	46
BB01152	201	202	< 0.01	199	130	2	< 2	10	15	0.04	< 10	< 10	116	< 10	56
BB13865	201	202	< 0.01	39	390	10	< 2	3	14	0.07	< 10	< 10	33	< 10	118
BB13866	201	202	< 0.01	31	650	2	< 2	3	15	0.02	< 10	< 10	27	< 10	134
BB13867	201	202	0.01	38	870	12	< 2	4	79	0.06	< 10	< 10	32	< 10	152
BB13868	201	202	0.04	10	570	8	< 2	1	52	0.06	< 10	< 10	32	< 10	48
BB13869	201	202	< 0.01	27	650	10	< 2	5	70	0.11	< 10	< 10	55	< 10	86
BB13870	201	202	0.01	27	490	16	< 2	6	139	0.13	< 10	< 10	56	< 10	76
BB13871	201	202	< 0.01	33	930	14	< 2	7	191	0.09	< 10	< 10	45	< 10	102
BB13872	--	--	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

CERTIFICATION: Heath Bichler

Cominco

Expatriate

Cominco

Columbia Gold

Fire Lake

61° 15'

130° 48'

6,788,000 N

6,784,000 N

496,000 E

510,000 E

514,000 E

Grid North
True North
1° 32'

UTM Zone 9

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

093620

FIGURE 2 5

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

CLAIM LOCATION

HAT TRICK PROPERTY
EXPATRIATE RESOURCES LTD.

Scale 1:20,000

0 200 400 800 1200 1600 2000 m

5

DIAND - YUKON REGION, LIBRARY

130° 40'

61° 15'

6,788,000 N

6,784,000 N

496,000 E

510,000

514,000 E

Fire Lake

Grid North
True North
1° 32'

UTM Zone 9

Claim boundary

17098 Sample location with sample number

093620

FIGURE 6

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

SAMPLE LOCATION

HAT TRICK PROPERTY

EXPATRIATE RESOURCES LTD.

Scale 1:20,000

0 200 400 800 1200 1600 2000 m

6

DIAND - YUKON REGION, LIBRARY

130° 40'

61° 15'

1° 32'

Grid North

True North

UTM Zone 9

6,788,000 N

6,784,000 N

496,000 E

510,000 E

514,000 E

Fire Lake

G

F

A

B

C

D

E

Hat Trick
Main Anomaly

— Claim boundary

^{98} Sample location with copper value in ppm

□ ≥ 200 ppm Cu

□ ≥ 100 < 200 ppm Cu

□ ≥ 50 < 100 ppm Cu

A Target referred to in text

093620

FIGURE 7

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

COPPER GEOCHEMISTRY

HAT TRICK PROPERTY

EXPATRIATE RESOURCES LTD.

Scale 1:20,000

0 200 400 800 1200 1600 2000 m

7

DIAND - YUKON REGION, LIBRARY

130° 40'

61° 15'

6,788,000 N

6,784,000 N

496,000 E

510,000 E

514,000 E

G

F

E

D

A

B

C

Fire Lake

Hat Trick
Main Anomaly

Grid North
True North
1° 32'

UTM Zone 9

Claim boundary

Sample location with lead value in ppm

≥ 200 ppm Pb

≥ 100 < 200 ppm Pb

≥ 50 < 100 ppm Pb

A Target referred to in text

093620

FIGURE 8

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

LEAD GEOCHEMISTRY

HAT TRICK PROPERTY

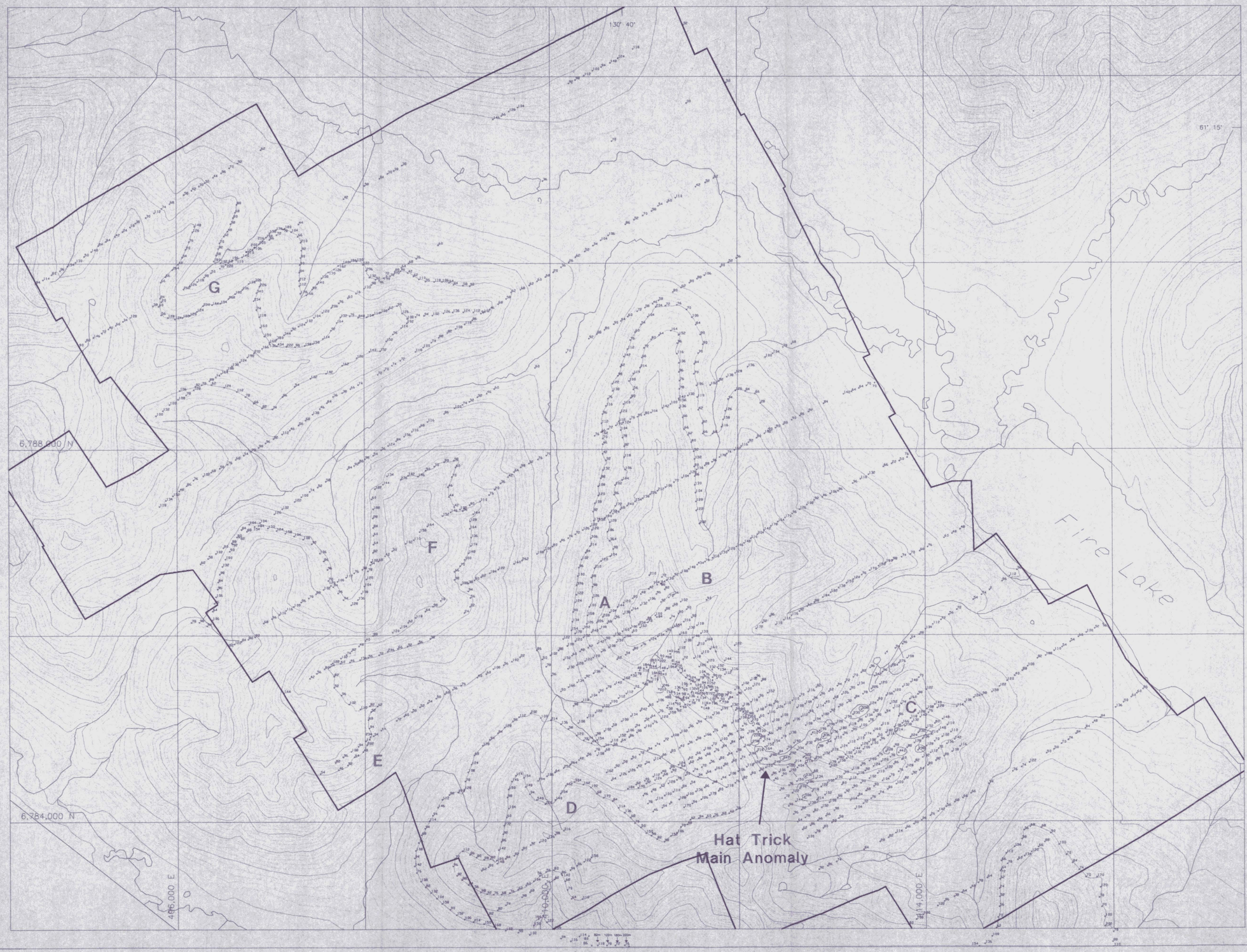
EXPATRIATE RESOURCES LTD.

Scale 1:20,000

0 200 400 800 1200 1600 2000 m

8

DIAND - YUKON REGION, LIBRARY



Grid North
True North
1° 32'

UTM Zone 9

— Claim boundary

Sample location with zinc value in ppm

≥ 1000 ppm Zn

≥ 500 < 1000 ppm Zn

≥ 200 < 500 ppm Zn

A Target referred to in text

093620

FIGURE 9

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

ZINC GEOCHEMISTRY

HAT TRICK PROPERTY

EXPATRIATE RESOURCES LTD.

Scale 1:20,000

0 200 400 800 1200 1600 2000 m

(9)

DIAND - YUKON REGION, LIBRARY