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

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ASSESSMENT REPORT

describing

GEOLOGICAL MAPPING, PROSPECTING, SOIL GEOCHEMISTRY, AIRBORNE GEOPHYSICS AND CLAIM SURVEYS

on the

SHUTOUT PROPERTY

093673

Shutout 1-108 Claims	YB58953-YB59060
109-133 Claims	YB77893-YB77917
134 FR Claims	YB77918
135-158 Claims	YB77919-YB77942

Latitude 61°12' N; Longitude 130°20' W

NTS 105G/1

in the

WATSON LAKE MINING DISTRICT

YUKON TERRITORY

Prepared by

Archer, Cathro & Associates (1981) Limited

for

EXPATRIATE RESOURCES LTD.

A. Burgert, B.Sc.
April, 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 $ 61,255.41.

M. Burke

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

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INTRODUCTION

Expatriate Resources Ltd. has a 100% interest in the Shutout property which protects volcanogenic massive sulphide (VMS) targets selected from a regional geochemical data base documenting results of 1973 exploration by a joint venture managed by Archer, Cathro & Associates Ltd. The western portion of the property covers a pronounced aeromagnetic high that was previously staked by Cassiar Asbestos Corp. Ltd. in 1960. Prospecting at that time identified a copper occurrence interpreted as skarn mineralization (DIAND, 1995, Yukon Minfile 105G/38).

Expatriate's first 108 claims were staked in spring 1995 to cover soil geochemical anomalies coinciding with favourable stratigraphy. Geological mapping, prospecting and soil sampling were done by Expatriate in summer 1995. It located a number of small mineral occurrences and outlined several promising geochemical anomalies. An additional 50 claims were staked in spring 1996.

The 1996 exploration program consisted of airborne magnetic and electromagnetic surveys in spring plus geological mapping, prospecting, soil sampling and claim surveys which were conducted during summer by crews working from Expatriate's base camp on Finlayson Lake and from a fly camp located on the property. The work was managed by Archer, Cathro & Associates (1981) Limited and compiled by the author. Appendix I contains the Author's Statement of Qualifications. This report describes all work, except the airborne surveys. These are described 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.

PROPERTY, LOCATION AND ACCESS

The property is located in southeastern Yukon at latitude 61°12'N and longitude 130°20'W on NTS map sheet 105G/1 (Figure 1). It is comprised of 158 contiguous mineral claims (Figure 2) registered with the Watson Lake Mining Recorder in the name of Archer, Cathro & Associates (1981) Limited which holds them in trust for Expatriate Resources Ltd. Claim registration data is listed below.

Claim Name	Grant Number	Expiry Date*
Shutout 1-108	YB58953-YB59060	March 17, 2005
Shutout 109-133	YB77893-YB77917	March 1, 2002
Shutout 134 FR	YB77918	March 1, 2002
Shutout 135-158	YB77919-YB77942	March 1, 2002

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

In 1996 the property was accessed by helicopter from Expatriate's base camp on Finlayson Lake (Km 232 on the Robert Campbell Highway). The property lies 51 km south of the base camp and 255 km east-northeast of Whitehorse. Helicopter support was provided by a Bell 206B Jet Ranger and an Aerospatiale 350B contracted from Kluane Helicopters of Haines Junction. The helicopters were stationed at Expatriate's base camp for the summer. A float-equipped Beaver owned by Kluane Airways Ltd. of Whitehorse transported some supplies from Finlayson Lake to Fire Lake, 8 km west of the property.

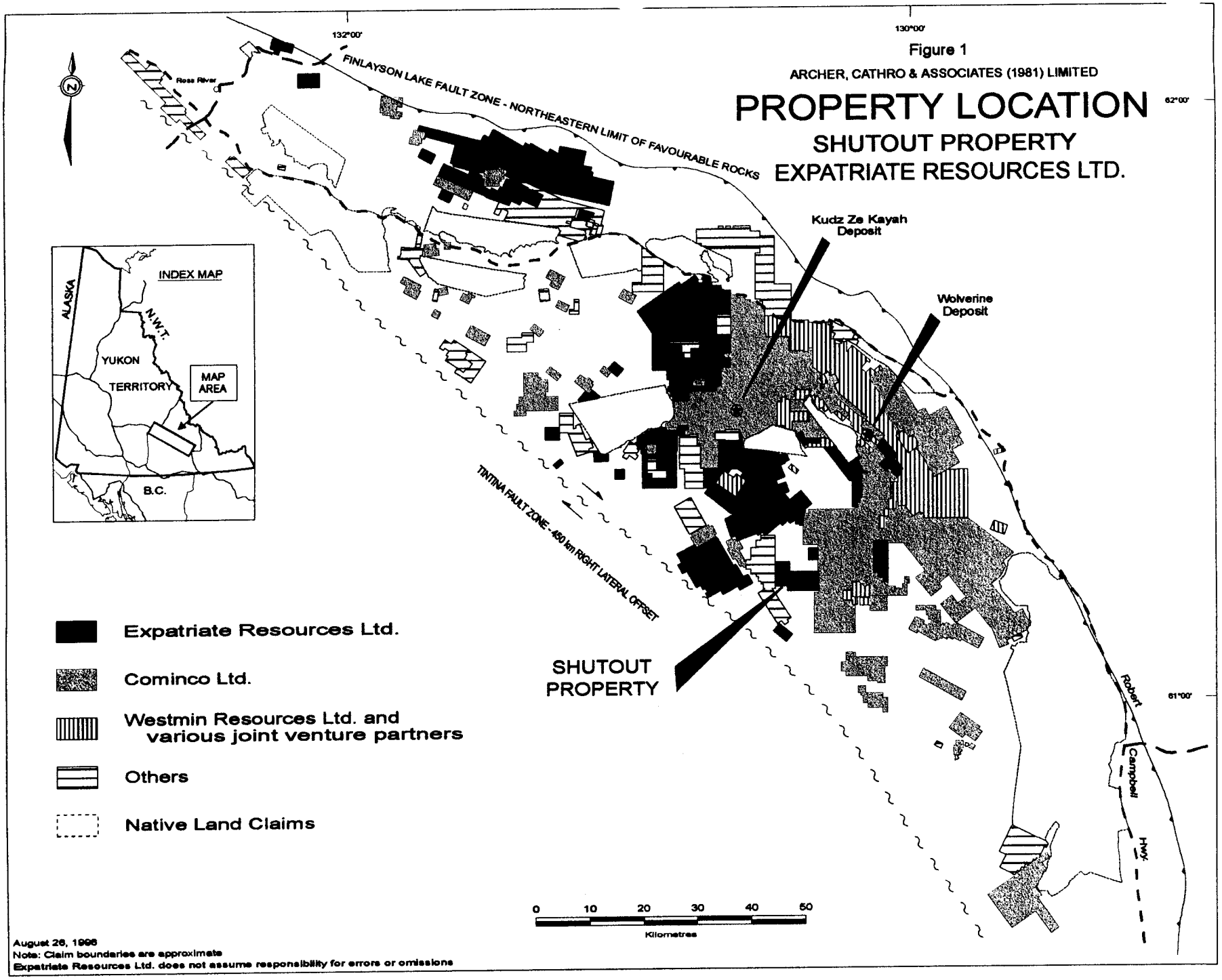
During the 1996 exploration program many claim post locations were surveyed using Trimble Geoexplorer GPS units. Field readings were corrected using base station data from Westmin Resources Limited's camp at Wolverine Lake. GPS survey data appears in Appendix II.

Figure 1

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

PROPERTY LOCATION

SHUTOUT PROPERTY
EXPATRIATE RESOURCES LTD.



August 26, 1998

Note: Claim boundaries are approximate

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

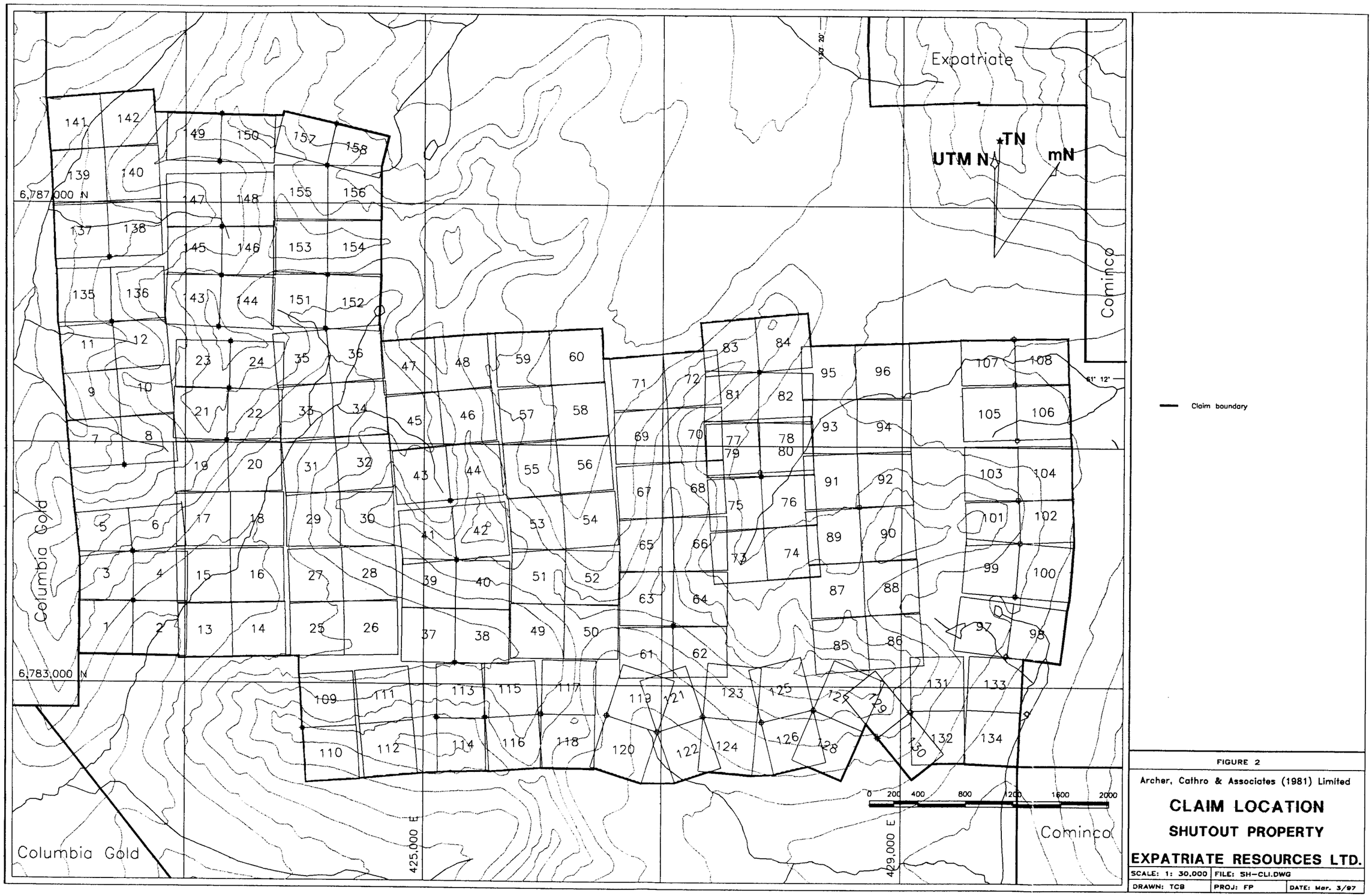


FIGURE 2

Archer, Cathro & Associates (1981) Limited

CLAIM LOCATION

SHUTOUT PROPERTY

EXPATRIATE RESOURCES LTD.

SCALE: 1: 30,000	FILE: SH-CLI.DWG	
DRAWN: TCB	PROJ: FP	DATE: Mar. 3/97

GEOMORPHOLOGY

The Shutout property covers mountainous terrain of the Campbell Range 8 km east of Fire Lake and 12 km northeast of the Tintina Trench. Creeks draining the northern portion of the property flow northeasterly into the Tuchitua River while those draining the southern portion of the property flow southerly into the North River. Both the Tuchitua River and the North River are part of the Liard River watershed.

Elevations range from 1400 m in a valley at the property's eastern margin to 1985 m atop a peak in the northwestern part of the claim block. Topographic relief is steep, typically 20 to 40°, with numerous impassable cliffs. The valley bottoms are covered with Pleistocene deposits of glacial till.

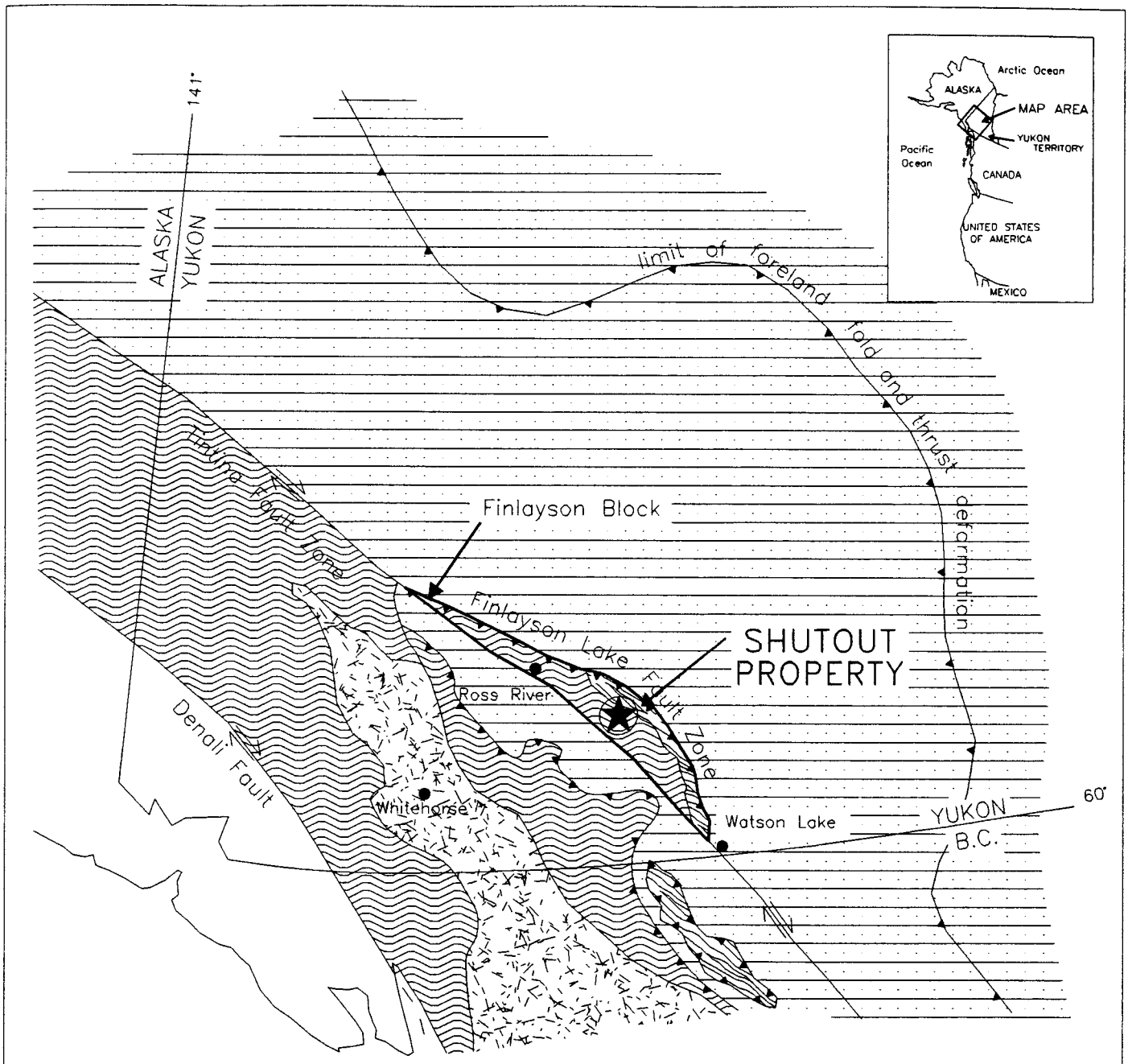
Most of the property lies above treeline. Vegetation consists of scattered black spruce with thick buckbrush and willow on the valley floors and lower hillsides giving way to scattered buckbrush, grasses and moss at the higher elevations. Steep cliffs and talus slopes are vegetated only by lichen.

REGIONAL GEOLOGY

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

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

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



- 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

SHUTOUT PROPERTY

EXPATRIATE RESOURCES LTD.

0 100 200 300 400

KILOMETRES

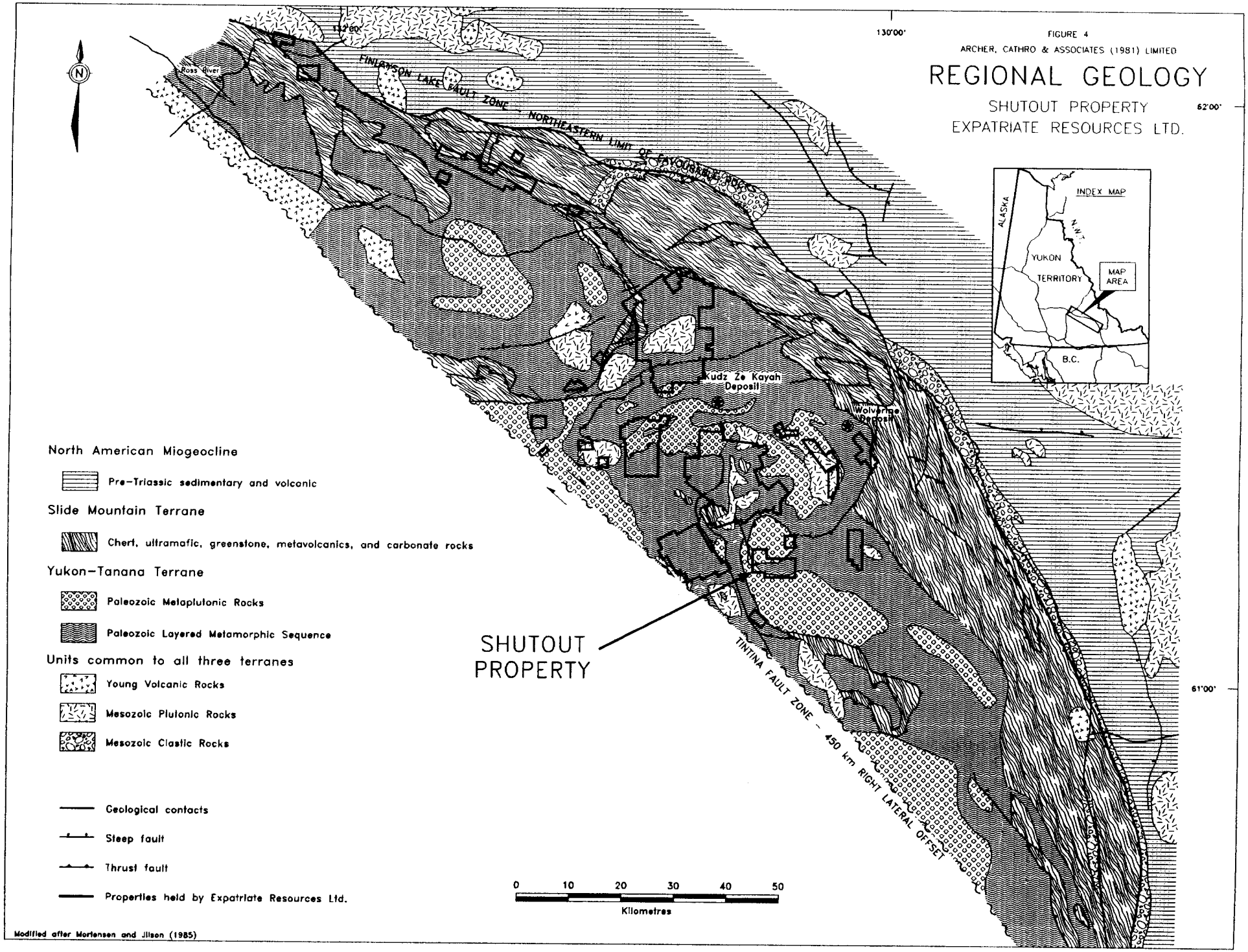


FIGURE 4
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
REGIONAL GEOLOGY
SHUTOUT PROPERTY
EXPATRIATE RESOURCES LTD.
130°00'
62°00'
61°00'
Ross River
FINLAYSON LAKE FAULT ZONE - NORTHEASTERN LIMIT OF FAVOURABLE ROCKS
INDEX MAP
ALASKA
N.W.T.
YUKON TERRITORY
MAP AREA
B.C.
Kudz Ze Kayah Deposit
Wolverine Deposit
SHUTOUT PROPERTY
TINTINA FAULT ZONE - 450 km RIGHT LATERAL OFFSET
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)

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, personal

communication, 1996) mapped the suite as an allochthonous slice emplaced on top of the structural pile.

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

Younger units unconformably overlie units from Slide Mountain, Yukon-Tanana and North American Terranes. Mesozoic clastic rocks are Late Triassic, immature sediments containing cobbles from both Slide Mountain and Yukon-Tanana Terranes. Young volcanic rocks consist of Late Cretaceous to Tertiary felsic volcanic flows and 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 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 12 km north-northwest of the property. It is a Besshi-type VMS deposit hosted by chloritic±actinolite±quartz schist belonging to the middle unit of the Layered Metamorphic Sequence. The host stratigraphy is structurally overlain by phyllitic metasediments with a basal unit of quartz-chlorite-mica schist (Roberts, 1997). Drilling in 1996 traced a 70 to 80 m thick section containing three horizons of massive to semi-massive sulphide and magnetite over a length of 1000 m and width of 100 m. Intersections on the Lower Horizon averaged 1.2% copper, 0.12% cobalt and 0.77 g/t gold over 7 m while those on the Upper Horizon averaged 1.9% copper, 0.12% cobalt 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

Peak values from 1973 sampling at Shutout were 400 ppm copper, 270 ppm lead, 596 ppm zinc and 32 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 and Fyre Lake Deposits.

The northwestern portion of the Shutout claims cover an intense crescent shaped aeromagnetic anomaly about two kilometres in diameter. The magnitude of the anomaly with respect to the surrounding area is of 600 gammas, a strong contrast compared to response elsewhere in the district.

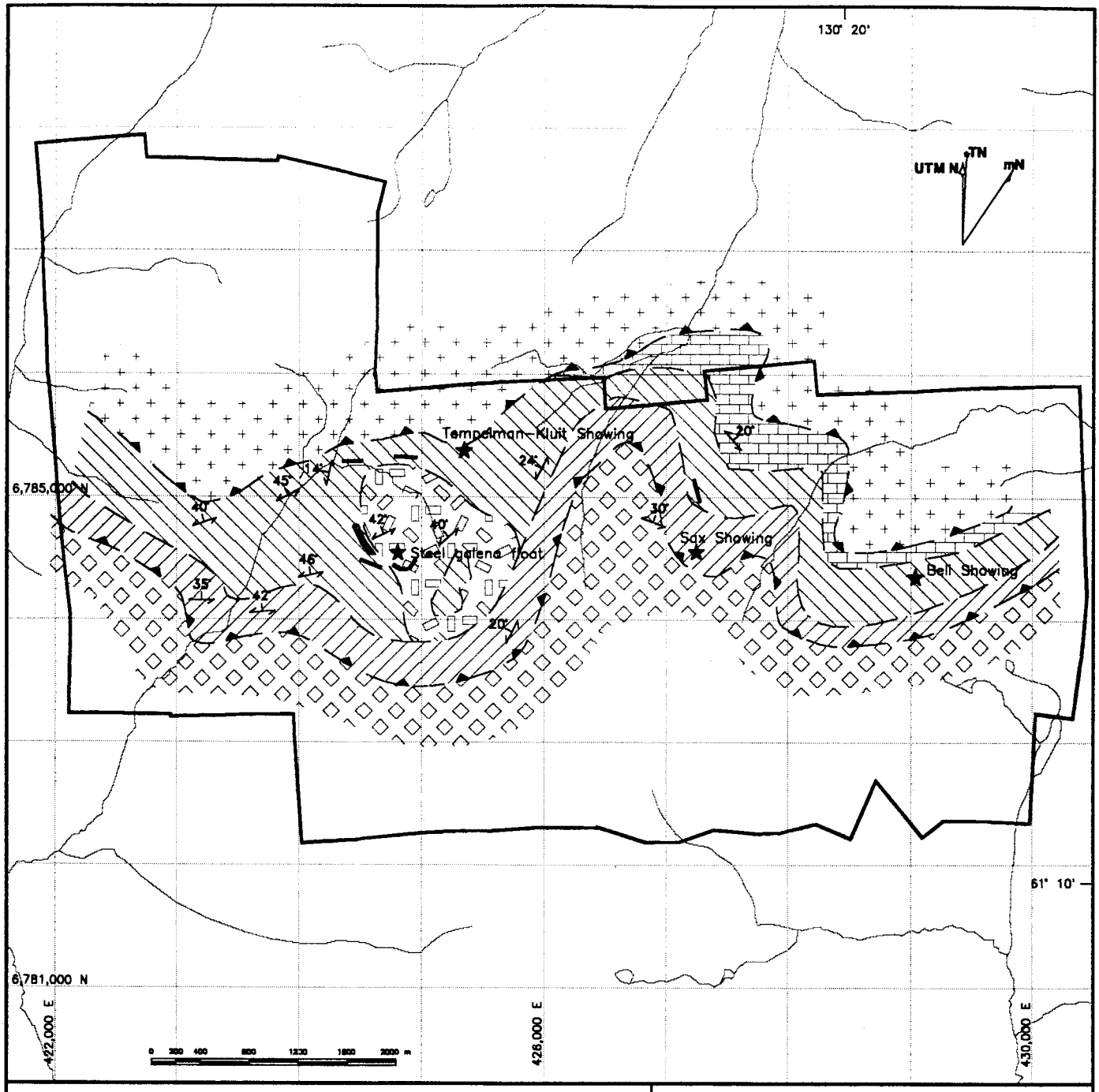
PROPERTY GEOLOGY AND MINERALIZATION

Bedrock exposure is limited to cliffs, ridge tops and actively eroding creek cuts. Slopes between creek cuts and cliffs are generally covered by talus. Most outcrops are moderately to well foliated, exhibiting east-west strikes and moderate northerly dips (Figure 5). Six main rock types are recognized and described below. The first four belong to the Paleozoic Layered Metamorphic Sequence and are found in a thrust bound panel that is underlain and overlain by Paleozoic Metaplutonic Rocks. The remaining two are Paleozoic Metaplutonic rocks.

Chlorite schist is the most abundant unit. It is typically green to grey weathering and massive to well foliated with local kink banding. Blue opalescent quartz eyes (up to 3%) and foliaform pyrite (trace to 10%) are common. Foliation intensity generally increases toward the hanging wall contact where local weak brecciation and silicification are present. Thick interfoliations of variably altered felsic volcanics occur locally within the section while weakly tuffaceous chert horizons, up to 2 m thick, are found near the thrust contact. Three areas of mineralization have been identified within the chlorite schist as described below.

Rare bands of fine-grained massive magnetite, up to 1 m thick, are observed parallel to compositional layering (subparallel to foliation) while semi-massive to massive pyrite occurs as discontinuous lenses up to 100 m long and 0.5 m thick. One float fragment of strained "steel" galena was found nearby. No samples were taken from any of the occurrences in this area.

The Bell Showing (Figure 6) consists of sphalerite with lesser pyrite and trace galena occurring as disseminations and bands within a series of small diopside-garnet skarn zones. Specimens collected from the Bell Showing were sent to Chemex Labs Ltd. and analyzed geochemically for 32



Paleozic Metaplutonic Rocks

- Quartz augen–hornblende gneiss
- Quartz diorite

Paleozoic Layered Metamorphic Sequence

- Chlorite schist
- Quartz–sericite schist
- Limestone
- Feldspar porphyry breccia

- Massive pyrite lens
- Massive magnetite
- Mineral occurrence
- Foliation with strike and dip
- Thrust fault
- Inferred geological contact
- Claim boundary

FIGURE 5

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

PROPERTY GEOLOGY

SHUTOUT PROPERTY

EXPATRIATE RESOURCES LTD.

SCALE: 1:50,000	FILE: SH-GEO.DWG	
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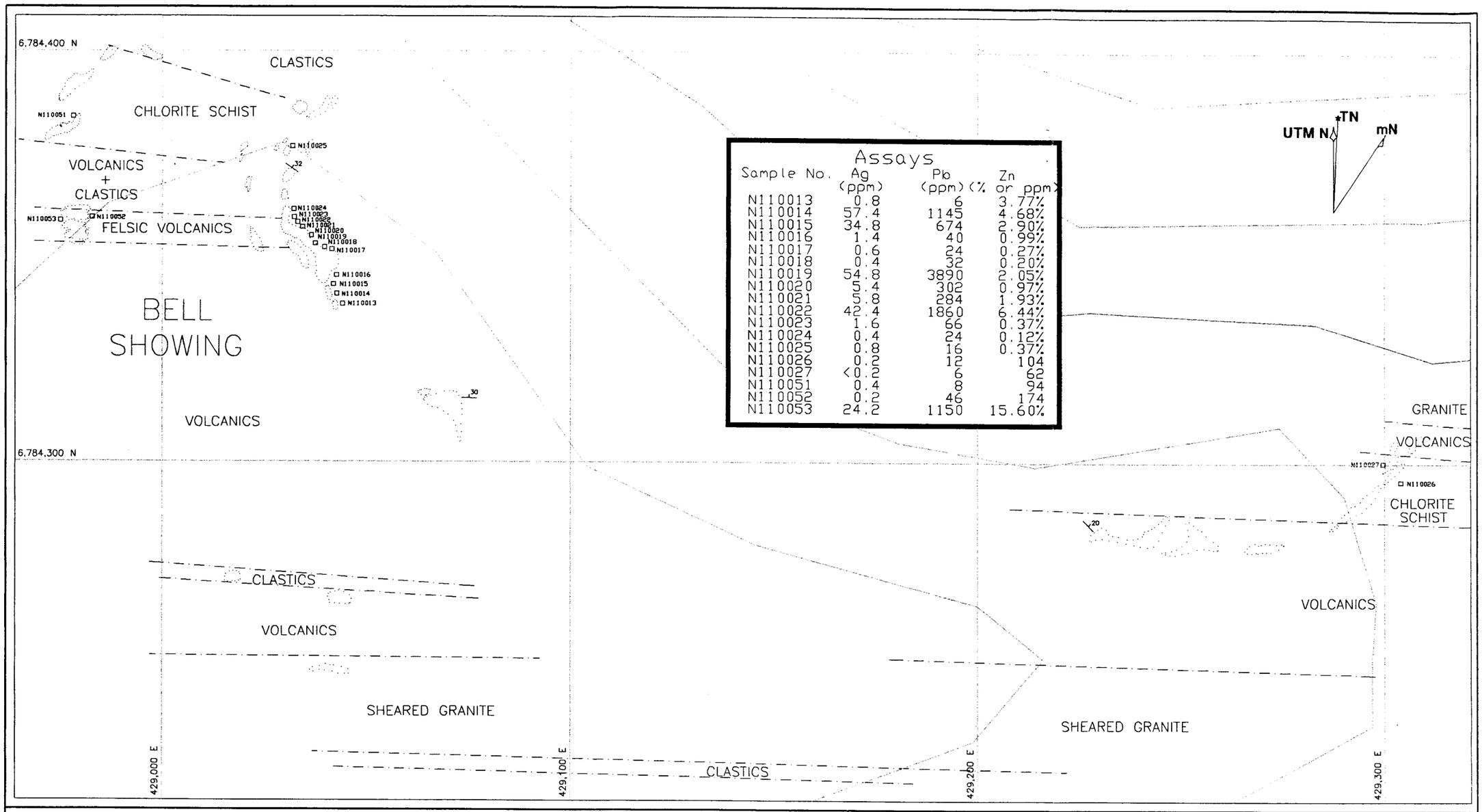


Assays

Sample No.	Ag (ppm)	Pb (ppm)	Zn (% or ppm)
N110013	0.8	6	3.77%
N110014	57.4	1145	4.68%
N110015	34.8	674	2.90%
N110016	1.4	40	0.99%
N110017	0.6	24	0.27%
N110018	0.4	32	0.20%
N110019	54.8	3890	2.05%
N110020	5.4	302	0.97%
N110021	5.8	284	1.93%
N110022	42.4	1860	6.44%
N110023	1.6	66	0.37%
N110024	0.4	24	0.12%
N110025	0.8	16	0.37%
N110026	0.2	12	104
N110027	<0.2	6	62
N110051	0.4	8	94
N110052	0.2	46	174
N110053	24.2	1150	15.60%

N110016 Rock sample location with number

Outcrop

Geology contact

0 10 20 40 60 80 100 m

FIGURE 6

Archer, Cathro & Associates (1981) Limited

BELL SHOWING

SHUTOUT PROPERTY

EXPATRIATE RESOURCES LTD.

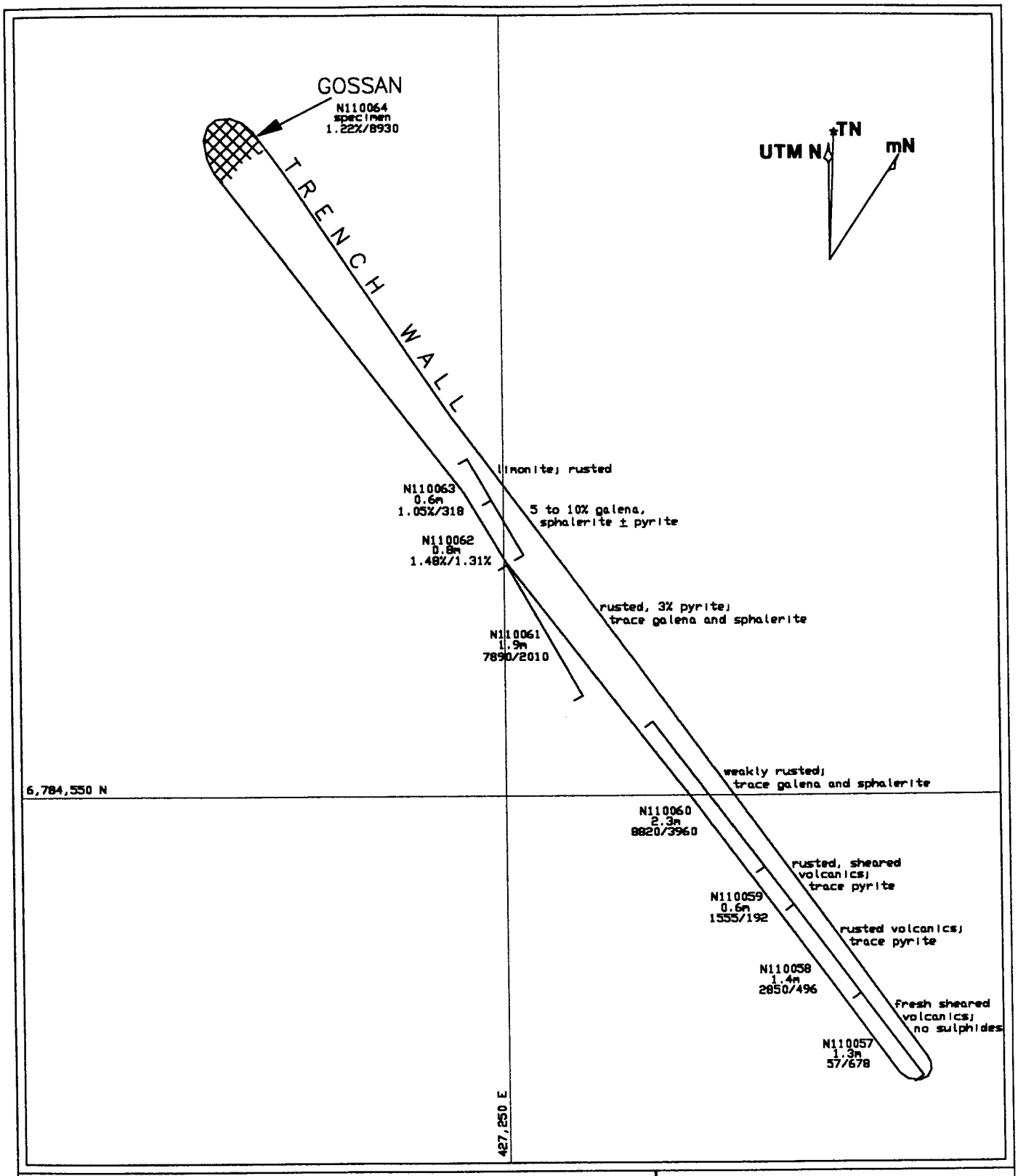
SCALE: 1: 1,000	FILE: SH-DETE.DWG	
DRAWN: AB	PROJ: FP	DATE: MAR. 7/97

elements by the Induced Coupled Plasma (ICP) technique. Peak assay values were 15.6% zinc, 3890 ppm lead and 57.4 g/t silver. Several samples contained high values for bismuth (up to 922 ppm) and mercury (up to 28ppm) while a few were slightly enriched in copper (up to 899 ppm) and gold (up to 105 ppb).

The Tempelman-Kluit Showing is located along a ridge crest just below the upper thrust fault. It is marked by a recessive gulley containing rusty soil, limonite boxwork fragments and specimens of massive magnetite up to 5 cm in diameter. No samples were collected in this area.

Quartz-sericite schist is grey to tan weathering, moderately to well foliated and in places laminar banded with alternating pyritic (trace to 3%) quartz-sericite and rarer quartz-chlorite layers. Local kink banding is common. The unit weathers to a blonde gossan due to increased pyrite content ($\geq$10%) toward its upper contact where it is thickly interbanded with chlorite schist.

Mineralized float was found in a 5 by 1 m talus train within this unit. Two specimens collected during the 1995 exploration program and contained up to 15% pyrite, 10% fine-grained galena and 5% fine-grained red sphalerite. Assays returned up to 2.68% zinc, 1.53% lead and 11.3 g/t silver (Wengzynowski, 1996). This target was hand trenched in 1996 and named the Sax Showing (Figure 7). Bedrock mineralization exposed in the 16 m long hand trench consists of disseminated and banded pyrite, galena and sphalerite mineralization over about one-third of the length of the trench. A series of chip samples over an approximate 5.6 m length averaged 1.34% lead and 0.53% zinc. At the southern end of the trench, relatively fresh felsic volcanics are exposed, while the northern end terminates in a gossanous zone, a specimen of which assayed 1.22% lead and 0.89% zinc. Values for copper, cobalt, gold and silver were at or near background in all samples.



N110061 1.9m 7890/2010 Rock chip sample with sample number, length and lead/zinc assays in percent or ppm

0 0.5 1 2 3 4 5 m

FIGURE 7

Archer, Cathro & Associates (1981) Limited

SAX SHOWING

SHUTOUT PROPERTY

EXPATRIATE RESOURCES LTD.

SCALE: 1 : 75	FILE: SH-DETW.DWG	
DRAWN: AB	PROJ: FP	DATE: MAR.8/87

Limestone is white to grey and weakly bedded to massive with rare banded pyrite. This unit appears to be truncated by a thrust fault along the northern-central edge of the property.

Feldspar porphyry breccia is buff weathering, light grey to tan and massive to moderately foliated. Phenocrysts are dominantly flattened, clay altered feldspar with lesser abundant blue opalescent quartz eyes. Megaclastic breccias are common near the sharp upper contact with chlorite schist. Clasts range between 2 to 50 cm in size. Foliation intensity and pyrite content also increase toward the upper contact. This unit is restricted to an oblate exposure roughly 1400 by 500 m within the thickest section of chlorite schist.

Quartz augen-hornblende gneiss is buff, pink or grey weathering, massive to weakly foliated and green-grey to pink on fresh surfaces. Phenocrysts consist of subhedral feldspar, euhedral hornblende (2 to 8 mm) and poorly formed quartz augens within a weakly chloritic, fine-grained groundmass.

Quartz diorite is white to orange weathering, grey to white on fresh surfaces and medium grained. It forms the uppermost thrust panel. Locally abundant ultramafic lenses are found along the thrust fault separating it from the underlying Layered Metamorphic Sequence rocks.

PROPERTY GEOCHEMISTRY

In 1996, additional grid soil sampling was done to extend the area of 100 by 100 m coverage and provide 50 by 100 m data in the vicinity of the Sax Showing. Reconnaissance soil sampling was also done along claim lines and using contour control in the southeastern and northwestern parts of the property. All sample locations are marked with 0.5 m wooden lath bearing aluminum tags inscribed with sample numbers and grid coordinates. Figure 8 shows sample locations.

The samples were sent Chemex Labs where they were screened to -80 mesh, digested in nitric-aqua regia and geochemically analyzed for 32 elements using the ICP technique. Certificates of Analysis appear in Appendix III. Results for copper, lead, zinc, cobalt and molybdenum are plotted on Figures 9 to 13 while anomalous thresholds and peak values for six VMS indicator elements are as follows.

	Threshold Values (ppm)				
Element	Weak	Moderate	Strong	Extreme	Peak Value
Copper	50	100	200	500	1345
Lead	50	100	200	500	1820
Zinc	200	500	1000	2500	8100
Cobalt	30	50	80	110	139
Molybdenum	2	5	10	20	44
Silver	1	2	5	NA*	8.8

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

Three main anomalies have been delineated. The east anomaly is an 1800 by 600 m area of weakly anomalous copper and molybdenum response within which are north-northwestern and north-northeastern linear trends of moderately and strongly anomalous values that are likely the

INSET 1:15000

0 700 400 800 1200 1600 2000

UTM N

TN

mN

6,787,000 N

6,783,000 N

425,000 E

429,000 E

61° 12'

0 200 400 800 1200 1600 2000

Claim boundary

25 Sample location with copper value in ppm

≥ 200 ppm Cu

≥ 100 < 200 ppm Cu

≥ 50 < 100 ppm Cu

FIGURE 9

Archer, Cathro & Associates (1981) Limited

COPPER GEOCHEMISTRY

SHUTOUT PROPERTY

EXPATRIATE RESOURCES LTD.

SCALE: 1: 30,000	FILE: SH-CU.DWG	
DRAWN: TCB	PROJ: FP	DATE: Mar. 3/97

INSET 1:15000

UTM N

TN

mN

6,787,000 N

6,783,000 N

425,000 E

429,000 E

51° 12'

0 200 400 800 1200 1600 2000

Claim boundary

Sample location with lead value in ppm

≥ 200 ppm Pb

≥ 100 < 200 ppm Pb

≥ 50 < 100 ppm Pb

FIGURE 10

Archer, Cathro & Associates (1981) Limited

LEAD GEOCHEMISTRY

SHUTOUT PROPERTY

EXPATRIATE RESOURCES LTD.

SCALE: 1: 30,000	FILE: SH-PB.DWG	
DRAWN: TCB	PROJ: FP	DATE: Mar. 3/97

INSET 1:15000

0 200 400 800 1200 1600 2000

UTM N

TN

mN

6,787,000 N

6,783,000 N

425,000 E

429,000 E

61° 12'

Claim boundary

25 Sample location with zinc value in ppm

≥ 1000 ppm Zn

≥ 500 < 1000 ppm Zn

≥ 200 < 500 ppm Zn

FIGURE 11

Archer, Cathro & Associates (1981) Limited

ZINC GEOCHEMISTRY

SHUTOUT PROPERTY

EXPATRIATE RESOURCES LTD.

SCALE: 1: 30,000	FILE: SH-ZN.DWG	
DRAWN: TCB	PROJ: FP	DATE: Mar. 3/97

INSET 1:15000

UTM N

TN

mN

6,787,000 N

6,783,000 N

425,000 E

429,000 E

61° 12'

0 200 400 800 1200 1600 2000

Claim boundary

25 Sample location with cobalt value in ppm

≥ 80 ppm Co

≥ 50 < 80 ppm Co

≥ 30 < 50 ppm Co

FIGURE 12

Archer, Cathro & Associates (1981) Limited

COBALT GEOCHEMISTRY

SHUTOUT PROPERTY

EXPATRIATE RESOURCES LTD.

SCALE: 1: 30,000	FILE: SH-CO.DWG	
DRAWN: TCB	PROJ: FP	DATE: Apr. 28/87

INSET 1:15000

0 200 400 800 1200 1600 2000

UTM N

TN

mN

6,787,000 N

6,783,000 N

425,000 E

429,000 E

61° 12'

Claim boundary

25 Sample location with molybdenum value in ppm

≥ 10 ppm Mo

≥ 5 < 10 ppm Mo

≥ 2 < 5 ppm Mo

FIGURE 13

Archer, Cathro & Associates (1981) Limited

MOLYBDENUM GEOCHEMISTRY
SHUTOUT PROPERTY
EXPATRIATE RESOURCES LTD.

SCALE: 1: 30,000	FILE: SH-MO.DWG	
DRAWN: TCB	PROJ: FP	DATE: Mar. 3/97

result of downhill dispersion. Zinc, silver, manganese, arsenic and antimony response coincides with copper and molybdenum in the core of the anomaly but is less intense. Gold and lead values are near background. Part of the anomaly stems from an area near the contact between quartz augen-hornblende gneiss and chlorite schist where the previously described Bell Showing is located. Reconnaissance prospecting also located malachite-stained schist float during contour sampling traverses in the southern part of the anomaly.

The central anomaly is about 700 m long and contains some copper, lead and zinc values that surpass the extremely anomalous threshold. The anomaly is bilobate in shape with a northeastern-trending, 150 m wide zone of background to moderately anomalous values flanked to the northwest and southeast by 500 m wide zones of moderately to extremely anomalous values. This peculiar configuration parallels topography over much of a northeastern trending ridge that is moderately steep but largely covered by talus. Moderate to strong molybdenum response coincides with the base metals while weakly anomalous gold and silver values occur in the western half of the anomaly.

The western anomaly is a 2400 by 800 m zone of weakly anomalous copper and molybdenum response in the part of the property where massive foliaform pyrite and magnetite lenses occur. Moderately anomalous copper values form an 800 by 400 m north-northwestern trending core near the feldspar porphyry/chlorite schist contact. Galena-bearing float was noted in talus on the northeastern flank of the anomaly. Cobalt values range from weakly to extremely anomalous. The other elements form weakly to moderately anomalous clusters within the larger zone.

CONCLUSIONS AND RECOMMENDATIONS

The Shutout property is largely underlain by rocks belonging to the middle unit of the Layered Metamorphic Sequence which is favourable for VMS mineralization. Similar stratigraphy hosts the nearby Fyre Lake Deposit in what is believed to be the same thrust sheet.

Soil sampling has defined three areas of anomalous multi-element geochemical response while prospecting has located several occurrences of sulphide mineralization in outcrop and float.

The next phase of work should focus on detailed mapping, prospecting and hand trenching in the vicinity of geochemical anomalies. Additional soil sampling and prospecting should be done in the western part of the claim block which adjoins Columbia Gold's Fyre Lake property.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

A. Burgert, B.Sc.

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130° 19'

61° 14'

6,787,000 N

6,783,000 N

421,000 E

425,000 E

429,000 E

FIGURE 8

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

SAMPLE LOCATION

SHUTOUT PROPERTY

EXPATRIATE RESOURCES LTD.

Scale 1:20,000

0 200 400 800 1200 1600 2000 m

093673

APPENDIX I

AUTHOR'S STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

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

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

A. Burgert, B.Sc.

APPENDIX II

GPS DATA

Shutout 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 Ltd. base station at Wolverine Lake; WL = Ministry of Environment, Lands and Parks base station at Williams Lake; DL = Ministry of Environment, Lands and Parks base station at Dease Lake; RR = Department of Renewable Resources (Forestry) at Whitehorse.

A. Expatriate Resources Ltd. Claim Posts

Claim	Posts 1	Posts 2	UTM Coordinates Northing	UTM Coordinates Easting	Data Quality	Base Station	Date
Shutout	1, 2	-	-	-	N/S	-	-
	3, 4	1, 2	6783677	422570	Standard	W	17-Aug-96
	5, 6	3, 4	6784088	422564	Standard	W	17-Aug-96
	7, 8	5, 6	6784806	422491	Standard	W	17-Aug-96
	9, 10	7, 8	-	-	N/S	-	-
	11, 12	9, 10	-	-	N/S	-	-
	-	11,12	-	-	N/S	-	-
Shutout	13, 14	-	-	-	N/S	-	-
	15, 16	13, 14	-	-	N/S	-	-
	17, 18	15, 16	-	-	N/S	-	-
	19, 20	17, 18	-	-	N/S	-	-
	21, 22	19, 20	6785023	423346	Standard	W	12-Aug-96
	23, 24	21, 22	6785453	423364	Standard	W	12-Aug-96
	-	23, 24	6785843	423375	Standard	W	17-Aug-96
Shutout	25, 26	-	-	-	N/S	-	-
	27, 28	25, 26	-	-	N/S	-	-
	29, 30	27, 28	-	-	N/S	-	-
	31, 32	29, 30	-	-	N/S	-	-
	33, 34	31, 32	-	-	N/S	-	-
	35, 36	33, 34	-	-	N/S	-	-
	-	35, 36	-	-	N/S	-	-
Shutout	37, 38	-	6783182	425264	Standard	W	12-Aug-96
	39, 40	37, 38	-	-	N/S	-	-
	41, 42	39, 40	6784035	425276	Standard	W	12-Aug-96
	43, 44	41, 42	6784528	425220	Standard	W	12-Aug-96
	45, 46	43, 44	-	-	N/S	-	-
	47, 48	45, 46	-	-	N/S	-	-
	-	47, 48	-	-	N/S	-	-
Shutout	49, 50	-	-	-	N/S	-	-
	51, 52	49, 50	-	-	N/S	-	-
	53, 54	51, 52	-	-	N/S	-	-
	55, 56	53, 54	-	-	N/S	-	-
	57, 58	55, 56	-	-	N/S	-	-
	59, 60	57, 58	-	-	N/S	-	-
	-	59, 60	-	-	N/S	-	-
Shutout	61, 62	-					
	63, 64	61, 62	6783502	427098	Standard	W	17-Aug-96
	65, 66	63, 64	-	-	N/S	-	-
	67, 68	65, 66	-	-	N/S	-	-
	69, 70	67, 68	-	-	N/S	-	-
	71, 72	69, 70	-	-	N/S	-	-
	-	71, 72	-	-	N/S	-	-

Claim	Posts 1	Posts 2	Northing	Easting	Data Quality	Base Station	Date
Shutout	73, 74	-	-	-	N/S	-	-
	75, 76	73, 74	-	-	N/S	-	-
	77, 78	75, 76	6784781	427816	Uncorrected	W	17-Aug-96
	79, 80	77, 78	6784749	427825	Standard	W	17-Aug-96
	81, 82	79, 80	-	-	N/S	-	-
	83, 84	81, 82	6785618	427804	Standard	W	17-Aug-96
	-	83, 84	-	-	N/S	-	-
Shutout	85, 86	-	-	-	N/S	-	-
	87, 88	85, 86	-	-	N/S	-	-
	89, 90	87, 88	-	-	N/S	-	-
	91, 92	89, 90	6784496	428648	Poor	W	11-Aug-96
	93, 94	91, 92	-	-	N/S	-	-
	95, 96	93, 94	-	-	N/S	-	-
	-	95, 96	-	-	N/S	-	-
Shutout	97, 98	-	6783259	429880	Uncorrected	-	11-Aug-96
	99, 100	97, 98	6783759	429954	Poor	W	11-Aug-96
	101, 102	99, 100	6784202	429994	Uncorrected	-	11-Aug-96
	103, 104	101, 102	6784562	429977	Uncorrected	-	11-Aug-96
	105, 106	103, 104	6785063	429965	Uncorrected	-	11-Aug-96
	107, 108	105, 106	6785527	429943	Poor	W	11-Aug-96
	-	107, 108	6785905	429933	Uncorrected	-	11-Aug-96
Shutout	109, 110	-	6782624	423991	Standard	W	17-Aug-96
	111, 112	109, 110	-	-	N/S	-	-
	113, 114	111, 112	6782723	425112	Standard	W	17-Aug-96
	115, 116	113, 114	6782728	425520	Standard	W	17-Aug-96
	117, 118	115, 116	6782759	425989	Poor	W	11-Aug-96
	119, 120	117, 118	6782753	426540	Poor	W	11-Aug-96
	121, 122	119, 120	6782616	426968	Uncorrected	W	11-Aug-96
	123, 124	121, 122	6782744	427346	Poor	W	11-Aug-96
	125, 126	123, 124	6782701	427838	Poor	W	11-Aug-96
	127, 128	125, 126	6782806	428272	Uncorrected	-	21-Jul-96
	129, 130	127, 128	6782576	428807	Uncorrected	-	21-Jul-96
	131, 132	129, 130	6782796	429078	Uncorrected	-	21-Jul-96
	133, 134	131, 132	-	-	N/S	-	-
	-	133, 134	6782784	430057	Uncorrected	-	21-Jul-96
						-	-
Shutout	135, 136	-	6786000	422383	Standard	W	17-Aug-96
	137, 138	135, 136	6786543	422363	Standard	W	17-Aug-96
	139, 140	137, 138	-	-	N/S	-	-
	141, 142	139, 140	-	-	N/S	-	-
	-	141, 142	-	-	N/S	-	-
Shutout	143, 144	-	6785966	423275	Standard	W	17-Aug-96
	145, 146	143, 144	6786394	423298	Standard	W	17-Aug-96
	147, 148	145, 146	6786799	423300	Standard	W	17-Aug-96
	149, 150	147, 148	6787345	423282	Standard	W	17-Aug-96
	-	149, 150	6787745	423302	Standard	W	17-Aug-96
Shutout	151, 152	-	6785955	424170	Standard	W	17-Aug-96
	153, 154	151, 152	6786403	424187	Standard	W	17-Aug-96
	155, 156	153, 154	-	-	N/S		
	157, 158	155, 156	6787317	424182	Standard	W	17-Aug-96
	-	157, 158	6787666	424261	Standard	W	17-Aug-96

APPENDIX III

CERTIFICATES OF ANALYSIS

Chemex Labs Ltd.

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

Project : SHUTOUT
Comments:

Page r : 1-A
Total Pages : 1
Certificate Date: 21-SEP-96
Invoice No. : I9631820
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9631820

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
N110350	205	226	0.6	2.27	18	10	< 0.5	2	0.50	0.5	60	67	30	>15.00	10	< 1	< 0.01	< 10	1.23	670	12

CERTIFICATION: Hart Bichler

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Project : SHUTOUT
Comments:

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Total Pages : 1
Certificate Date: 21-SEP-96
Invoice No. : I9631820
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9631820

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
N110350	205	226	< 0.01	5	910	16	< 2	4	13	0.25	< 10	< 10	88	< 10	220

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Total Pages : 1
Certificate Date: 18-SEP-96
Invoice No. : I9631506
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9631506

SAMPLE	PREP CODE		Pb %	Zn %
N110053	244	--	-----	15.60
N110062	244	--	1.48	1.31
N110063	244	--	1.05	-----
N110064	244	--	1.22	-----

CERTIFICATION: Hart Bichler

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Project : SHUTOUT
Comments:

Page er : 1-A
Total Pages : 1
Certificate Date: 15-SEP-96
Invoice No. : I9631087
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9631087

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
N110337	205	226	6.8	0.87	< 2	90	< 0.5	2	1.24	1.5	9	125	653	2.16	< 10	< 1	0.11	< 10	0.30	370	1

CERTIFICATION: Hart Bichler

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VANCOUVER, BC
V6B 1L8

Project : SHUTOUT
Comments:

Page : 1-B
Total Pages : 1
Certificate Date: 15-SEP-96
Invoice No. : I9631087
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9631087

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
N110337	205	226	0.03	< 1	240	18	< 2	1	104	0.10	< 10	< 10	29	< 10	62

CERTIFICATION: Stan 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

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

Project : SHUTOUT
Comments:

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Certificate Date: 15-SEP-96
Invoice No. : I9631070
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9631070

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 06182	201	202	< 0.2	5.24	14	30	< 0.5	2	0.71	< 0.5	42	199	107	3.63	10	< 1	0.02	< 10	3.24	320	< 1
BB 06183	201	202	< 0.2	5.21	14	30	< 0.5	< 2	0.96	0.5	52	293	110	3.98	10	< 1	0.02	< 10	4.18	560	< 1
BB 06184	201	202	< 0.2	3.22	8	60	0.5	< 2	0.63	< 0.5	15	66	24	3.22	< 10	< 1	0.03	10	0.97	390	< 1
BB 06185	201	202	< 0.2	3.43	8	50	0.5	< 2	0.56	0.5	16	56	19	3.82	10	< 1	0.05	20	1.29	525	1
BB 06186	201	202	< 0.2	2.22	4	100	0.5	< 2	0.63	0.5	15	32	16	3.27	10	< 1	0.08	20	1.00	945	1
BB 06187	201	202	< 0.2	1.89	14	80	0.5	< 2	0.32	< 0.5	11	29	23	3.08	< 10	< 1	0.07	30	0.60	475	1
BB 06188	201	202	< 0.2	2.70	12	170	1.5	< 2	0.60	0.5	18	57	38	4.32	< 10	< 1	0.11	50	1.08	1220	4
BB 06189	201	202	< 0.2	1.85	< 2	50	< 0.5	< 2	0.30	< 0.5	6	47	24	1.82	< 10	2	0.04	< 10	0.48	185	< 1
BB 06190	201	202	< 0.2	2.58	6	90	< 0.5	< 2	0.76	< 0.5	19	83	50	2.66	< 10	< 1	0.03	< 10	1.35	305	< 1
BB 07133	201	202	< 0.2	3.92	30	80	< 0.5	< 2	1.13	< 0.5	62	197	173	4.35	< 10	< 1	0.04	10	2.98	755	< 1
BB 07134	201	202	0.2	5.95	58	30	< 0.5	< 2	1.02	< 0.5	98	617	269	5.09	10	< 1	0.01	< 10	7.78	750	< 1
BB 07135	201	202	< 0.2	3.79	30	60	< 0.5	< 2	1.08	< 0.5	73	97	116	3.79	10	< 1	0.03	< 10	2.54	640	< 1
BB 07136	201	202	< 0.2	3.32	28	40	< 0.5	< 2	0.81	< 0.5	38	100	60	3.42	10	< 1	0.04	< 10	1.93	875	1
BB 07137	201	202	< 0.2	3.97	14	50	< 0.5	2	1.07	< 0.5	48	306	100	3.92	10	< 1	0.02	< 10	3.43	890	< 1
BB 07138	201	202	< 0.2	3.09	10	150	0.5	< 2	0.62	< 0.5	26	70	40	3.78	10	< 1	0.05	10	1.41	900	< 1
BB 07139	201	202	< 0.2	4.11	50	40	< 0.5	< 2	0.52	< 0.5	72	334	89	5.40	10	< 1	0.01	< 10	6.31	1090	< 1
BB 07140	201	202	< 0.2	3.80	24	30	< 0.5	< 2	1.19	< 0.5	62	111	61	4.02	< 10	< 1	0.01	< 10	3.81	1080	< 1
BB 07141	201	202	< 0.2	2.39	6	100	< 0.5	< 2	0.53	< 0.5	19	104	51	2.76	< 10	< 1	0.05	10	1.29	350	< 1
BB 07142	201	202	< 0.2	2.44	4	80	< 0.5	< 2	0.65	< 0.5	24	117	76	2.84	< 10	< 1	0.05	10	1.51	445	< 1
BB 07143	201	202	< 0.2	2.26	2	150	< 0.5	< 2	0.48	0.5	23	85	29	3.69	< 10	< 1	0.07	10	1.50	575	< 1
BB 07144	201	202	< 0.2	2.14	4	80	0.5	< 2	0.22	< 0.5	14	22	17	3.04	< 10	< 1	0.14	30	0.76	800	1
BB 07161	201	202	< 0.2	1.80	< 2	70	< 0.5	< 2	0.28	< 0.5	7	31	8	2.19	< 10	< 1	0.05	10	0.71	245	< 1
BB 07162	201	202	< 0.2	3.99	2	170	0.5	< 2	0.77	< 0.5	33	149	40	5.30	10	< 1	0.05	< 10	3.42	860	< 1
BB 07163	201	202	< 0.2	1.86	6	80	< 0.5	< 2	0.33	< 0.5	9	13	11	4.45	10	< 1	0.04	< 10	0.64	665	< 1
BB 07164	201	202	< 0.2	3.71	6	70	< 0.5	< 2	0.55	< 0.5	36	121	78	4.34	10	< 1	0.04	< 10	2.25	520	< 1
BB 07165	201	202	< 0.2	3.81	36	40	< 0.5	2	0.65	0.5	73	431	171	4.78	10	< 1	0.03	< 10	4.87	1185	< 1
BB 07166	201	202	< 0.2	3.06	< 2	30	< 0.5	< 2	0.76	< 0.5	21	173	41	2.78	< 10	< 1	0.01	< 10	2.17	310	< 1

CERTIFICATION: Ian Buchler

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 : SHUTOUT
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CERTIFICATE OF ANALYSIS A9631070

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 06182	201	202	0.01	271	730	6	< 2	3	21	0.10	< 10	< 10	61	< 10	52
BB 06183	201	202	0.01	244	580	12	< 2	4	40	0.11	< 10	< 10	62	< 10	60
BB 06184	201	202	< 0.01	24	650	10	< 2	3	44	0.14	< 10	< 10	65	< 10	42
BB 06185	201	202	< 0.01	20	680	8	< 2	5	45	0.14	< 10	< 10	66	< 10	60
BB 06186	201	202	< 0.01	9	690	40	< 2	4	56	0.10	< 10	< 10	56	< 10	96
BB 06187	201	202	< 0.01	12	670	14	< 2	2	24	0.06	< 10	< 10	53	< 10	64
BB 06188	201	202	< 0.01	19	780	18	< 2	8	36	0.08	< 10	< 10	77	< 10	106
BB 06189	201	202	0.05	11	650	2	< 2	1	17	0.08	< 10	< 10	44	< 10	24
BB 06190	201	202	< 0.01	43	410	2	< 2	5	30	0.13	< 10	< 10	71	< 10	46
BB 07133	201	202	< 0.01	104	530	16	< 2	10	51	0.16	< 10	< 10	110	< 10	88
BB 07134	201	202	< 0.01	456	240	8	< 2	5	31	0.09	< 10	< 10	49	< 10	70
BB 07135	201	202	< 0.01	124	380	8	< 2	7	41	0.13	< 10	< 10	79	< 10	62
BB 07136	201	202	0.01	64	1290	12	< 2	5	30	0.09	< 10	< 10	83	< 10	68
BB 07137	201	202	< 0.01	97	590	6	2	7	49	0.12	< 10	< 10	79	< 10	64
BB 07138	201	202	< 0.01	35	640	10	4	6	57	0.09	< 10	< 10	67	< 10	76
BB 07139	201	202	< 0.01	547	580	20	6	3	37	0.11	< 10	< 10	69	< 10	112
BB 07140	201	202	< 0.01	88	160	14	< 2	7	76	0.14	< 10	< 10	82	< 10	112
BB 07141	201	202	< 0.01	55	680	12	< 2	4	30	0.11	< 10	< 10	63	< 10	62
BB 07142	201	202	< 0.01	65	750	14	< 2	5	40	0.12	< 10	< 10	67	< 10	80
BB 07143	201	202	< 0.01	77	470	34	2	4	33	0.13	< 10	< 10	76	< 10	58
BB 07144	201	202	< 0.01	18	940	26	< 2	2	28	0.05	< 10	< 10	40	< 10	64
BB 07161	201	202	0.01	14	740	2	< 2	3	37	0.11	< 10	< 10	55	< 10	42
BB 07162	201	202	< 0.01	151	850	6	< 2	7	38	0.23	< 10	< 10	118	< 10	70
BB 07163	201	202	< 0.01	2	630	6	2	4	27	0.26	< 10	< 10	171	< 10	34
BB 07164	201	202	0.01	140	360	8	2	6	27	0.12	< 10	< 10	109	< 10	72
BB 07165	201	202	0.02	290	430	2	< 2	11	18	0.08	< 10	< 10	78	< 10	60
BB 07166	201	202	0.03	108	250	6	< 2	3	23	0.12	< 10	< 10	61	< 10	32

CERTIFICATION: Stewart Bichler

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Project : SHUTOUT
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Certificate Date: 31-AUG-96
Invoice No. : I9629831
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9629831

SAMPLE	PREP CODE	Zn %
N110013	244 --	3.77
N110014	244 --	4.68
N110015	244 --	2.90
N110019	244 --	2.05
N110021	244 --	1.93
N110022	244 --	6.44

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Page Number :1-A
Total Pages :2
Certificate Date: 29-AUG-96
Invoice No. :I9628978
P.O. Number :
Account :MPO

CERTIFICATE OF ANALYSIS A9628978

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
BB08501	201	202	0.2	1.80	4	110	< 0.5	< 2	0.30	< 0.5	18	27	92	3.57	< 10	< 1	0.12	10	0.83	595	10
BB08502	201	202	0.2	1.53	8	70	< 0.5	< 2	0.26	< 0.5	18	17	231	3.34	< 10	< 1	0.11	10	0.83	390	9
BB08503	201	202	< 0.2	1.73	2	160	< 0.5	< 2	0.26	< 0.5	10	15	101	2.78	< 10	< 1	0.15	20	0.79	295	4
BB08504	201	202	< 0.2	0.89	< 2	120	< 0.5	< 2	0.16	< 0.5	2	7	22	1.00	< 10	< 1	0.08	10	0.12	70	11
BB08505	201	202	< 0.2	1.53	< 2	110	< 0.5	< 2	0.34	< 0.5	13	8	85	2.65	< 10	< 1	0.19	10	1.03	730	3
BB08506	201	202	0.4	1.54	< 2	130	< 0.5	2	0.40	< 0.5	14	8	158	2.88	< 10	< 1	0.27	10	0.85	625	1
BB08507	201	202	< 0.2	1.03	2	300	< 0.5	< 2	0.51	0.5	14	4	44	1.62	< 10	< 1	0.17	20	0.55	885	< 1
BB08508	201	202	0.2	1.87	< 2	90	< 0.5	< 2	0.35	< 0.5	15	11	83	3.31	< 10	< 1	0.30	< 10	0.92	715	3
BB08509	201	202	< 0.2	1.65	4	120	< 0.5	< 2	0.40	< 0.5	9	19	39	2.27	< 10	< 1	0.12	10	0.45	580	4
BB08510	201	202	0.2	1.58	< 2	90	< 0.5	< 2	0.25	< 0.5	11	14	254	2.86	< 10	< 1	0.40	20	1.33	375	5
BB08511	201	202	0.2	1.64	< 2	60	< 0.5	< 2	0.18	< 0.5	16	15	415	3.08	< 10	< 1	0.11	30	0.52	280	10
BB08512	201	202	0.2	0.87	< 2	160	< 0.5	2	0.12	< 0.5	4	10	107	2.80	< 10	< 1	0.16	10	0.44	150	14
BB08513	201	202	< 0.2	0.93	< 2	90	< 0.5	< 2	0.32	< 0.5	6	7	96	1.77	< 10	< 1	0.20	10	0.57	210	3
BB08514	201	202	0.2	1.61	< 2	100	< 0.5	< 2	0.22	< 0.5	12	17	171	2.93	< 10	< 1	0.32	10	1.16	350	6
BB08515	201	202	0.2	1.52	2	50	< 0.5	< 2	0.23	< 0.5	10	21	143	3.44	< 10	< 1	0.12	10	0.79	275	3
BB08516	201	202	0.2	1.93	8	60	< 0.5	< 2	0.30	< 0.5	24	24	183	4.24	< 10	< 1	0.12	10	1.27	685	4
BB08517	201	202	< 0.2	0.98	< 2	70	< 0.5	< 2	0.10	< 0.5	4	8	22	1.33	< 10	< 1	0.08	< 10	0.18	120	3
BB08518	201	202	0.2	2.34	2	140	0.5	< 2	0.32	< 0.5	24	19	440	3.85	< 10	< 1	0.23	30	1.24	670	7
BB08519	201	202	< 0.2	1.12	8	60	< 0.5	2	0.13	< 0.5	6	12	15	2.92	< 10	< 1	0.09	< 10	0.49	170	4
BB08520	201	202	0.2	1.10	< 2	240	< 0.5	< 2	0.22	< 0.5	1	5	7	0.51	< 10	< 1	0.10	< 10	0.12	50	< 1
BB08521	201	202	< 0.2	0.96	4	130	< 0.5	< 2	0.42	< 0.5	8	11	22	1.38	< 10	< 1	0.10	10	0.40	260	1
BB08522	201	202	< 0.2	1.44	6	140	< 0.5	< 2	0.39	< 0.5	7	16	18	1.68	< 10	< 1	0.18	< 10	0.46	230	1
BB08523	201	202	0.2	2.80	< 2	460	< 0.5	< 2	0.60	< 0.5	18	22	65	3.01	< 10	< 1	0.37	< 10	0.75	565	5
BB08524	201	202	0.6	1.99	2	760	< 0.5	< 2	0.40	< 0.5	6	21	21	1.32	< 10	< 1	0.12	< 10	0.29	215	< 1
BB08525	201	202	0.4	1.27	6	110	< 0.5	< 2	0.26	< 0.5	3	24	4	1.43	< 10	< 1	0.08	< 10	0.25	170	< 1
BB08526	201	202	0.2	1.23	8	120	< 0.5	< 2	0.38	< 0.5	5	14	15	2.12	< 10	< 1	0.11	10	0.45	250	< 1
BB08527	201	202	0.6	2.14	10	820	< 0.5	< 2	0.70	0.5	9	22	17	3.20	< 10	< 1	0.21	10	0.80	445	1
BB08528	201	202	0.8	1.20	16	270	< 0.5	< 2	0.10	< 0.5	6	17	16	1.94	< 10	< 1	0.11	< 10	0.25	800	1
BB08529	201	202	0.4	0.92	20	190	< 0.5	< 2	0.08	< 0.5	2	19	26	2.19	< 10	< 1	0.09	10	0.22	125	1
BB08530	201	202	< 0.2	0.72	16	120	< 0.5	< 2	0.01	< 0.5	1	12	18	1.93	< 10	< 1	0.05	10	0.28	120	1
BB08531	201	202	< 0.2	1.22	16	380	< 0.5	< 2	0.54	< 0.5	3	7	7	2.46	< 10	< 1	0.07	10	0.35	260	1
BB08532	201	202	0.2	1.02	8	330	< 0.5	< 2	0.43	0.5	6	6	8	2.37	< 10	< 1	0.11	10	0.17	840	< 1
BB08533	201	202	< 0.2	0.91	8	200	< 0.5	< 2	0.99	0.5	3	9	8	1.39	< 10	< 1	0.07	10	0.45	250	< 1
BB08534	201	202	< 0.2	0.94	10	100	< 0.5	< 2	11.25	3.5	3	21	12	1.01	< 10	< 1	0.04	< 10	6.21	360	< 1
BB08535	201	202	< 0.2	1.12	10	80	< 0.5	< 2	>15.00	1.5	7	25	14	2.33	< 10	< 1	0.06	10	2.51	355	1
BB08536	201	202	0.2	0.99	12	500	< 0.5	< 2	0.27	< 0.5	2	12	18	2.53	< 10	< 1	0.08	20	0.28	190	3
BB08537	201	202	< 0.2	1.29	6	270	< 0.5	< 2	0.57	0.5	4	18	14	1.45	< 10	< 1	0.07	10	0.49	290	< 1
BB08538	201	202	< 0.2	0.53	8	130	< 0.5	< 2	2.98	3.5	4	7	16	1.56	< 10	< 1	0.11	< 10	0.69	775	< 1
BB08539	201	202	0.2	1.53	10	260	< 0.5	< 2	1.56	2.0	7	7	20	3.92	< 10	< 1	0.14	30	1.08	1310	1
BB08540	201	202	1.0	1.08	12	230	< 0.5	< 2	3.97	2.5	7	7	36	2.91	< 10	< 1	0.14	10	1.95	720	1

CERTIFICATION: Stewart Buchholz

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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
BB08501	201	202	< 0.01	10	640	12	< 2	5	33	0.11	< 10	< 10	50	< 10	46
BB08502	201	202	< 0.01	10	530	8	< 2	4	27	0.08	< 10	< 10	40	< 10	48
BB08503	201	202	< 0.01	9	570	18	< 2	4	25	0.05	< 10	< 10	34	< 10	62
BB08504	201	202	< 0.01	4	770	16	< 2	< 1	14	0.02	< 10	< 10	29	< 10	26
BB08505	201	202	< 0.01	4	470	12	< 2	4	27	0.08	< 10	< 10	35	< 10	64
BB08506	201	202	< 0.01	3	400	16	< 2	3	31	0.11	< 10	< 10	34	< 10	66
BB08507	201	202	< 0.01	5	410	78	< 2	3	40	0.06	< 10	< 10	21	< 10	64
BB08508	201	202	< 0.01	10	570	10	< 2	2	29	0.13	< 10	< 10	40	< 10	84
BB08509	201	202	0.01	7	990	16	< 2	2	32	0.04	< 10	< 10	36	< 10	64
BB08510	201	202	< 0.01	5	480	4	< 2	3	27	0.14	< 10	< 10	30	< 10	52
BB08511	201	202	< 0.01	12	960	10	< 2	3	18	0.07	< 10	< 10	28	< 10	54
BB08512	201	202	< 0.01	2	550	6	< 2	3	25	0.16	< 10	< 10	26	< 10	18
BB08513	201	202	< 0.01	1	290	8	< 2	3	42	0.10	< 10	< 10	22	< 10	26
BB08514	201	202	< 0.01	5	370	6	< 2	4	33	0.13	< 10	< 10	32	< 10	46
BB08515	201	202	0.02	7	1270	10	< 2	4	24	0.09	< 10	< 10	36	< 10	42
BB08516	201	202	< 0.01	9	880	12	< 2	5	31	0.14	< 10	< 10	39	< 10	58
BB08517	201	202	0.02	3	480	8	< 2	< 1	11	0.03	< 10	< 10	29	< 10	22
BB08518	201	202	< 0.01	13	680	26	2	6	28	0.07	< 10	< 10	42	< 10	116
BB08519	201	202	< 0.01	3	260	10	2	1	17	0.17	< 10	< 10	61	< 10	28
BB08520	201	202	0.01	2	180	8	< 2	< 1	22	0.04	< 10	< 10	15	< 10	28
BB08521	201	202	< 0.01	5	270	12	< 2	2	35	0.07	< 10	< 10	24	< 10	46
BB08522	201	202	0.01	6	220	20	< 2	2	36	0.07	< 10	< 10	31	< 10	40
BB08523	201	202	0.01	9	540	20	< 2	4	43	0.07	< 10	< 10	47	< 10	78
BB08524	201	202	0.01	6	1430	8	< 2	1	24	0.01	< 10	< 10	26	< 10	46
BB08525	201	202	0.01	6	340	16	< 2	1	22	0.09	< 10	< 10	42	< 10	28
BB08526	201	202	< 0.01	6	370	28	< 2	3	38	0.08	< 10	< 10	30	< 10	52
BB08527	201	202	< 0.01	15	610	34	< 2	3	36	0.03	< 10	< 10	43	< 10	136
BB08528	201	202	0.03	9	740	20	< 2	< 1	12	0.01	< 10	< 10	37	< 10	72
BB08529	201	202	0.01	11	870	28	< 2	< 1	11	0.01	< 10	< 10	37	< 10	60
BB08530	201	202	< 0.01	7	350	8	2	< 1	5	< 0.01	< 10	< 10	26	< 10	48
BB08531	201	202	0.01	5	930	20	< 2	1	11	< 0.01	< 10	< 10	17	< 10	130
BB08532	201	202	< 0.01	3	1600	34	4	< 1	11	< 0.01	< 10	< 10	25	< 10	146
BB08533	201	202	0.04	7	1040	22	< 2	1	14	< 0.01	< 10	< 10	16	< 10	98
BB08534	201	202	0.01	9	2410	18	< 2	1	62	< 0.01	< 10	< 10	25	< 10	92
BB08535	201	202	< 0.01	14	960	12	2	3	55	0.01	< 10	< 10	39	< 10	90
BB08536	201	202	< 0.01	6	890	16	< 2	< 1	9	< 0.01	< 10	< 10	31	< 10	64
BB08537	201	202	0.04	7	540	20	< 2	1	13	0.02	< 10	< 10	23	< 10	76
BB08538	201	202	< 0.01	4	1030	40	2	1	24	< 0.01	< 10	< 10	7	< 10	186
BB08539	201	202	< 0.01	4	1050	120	< 2	4	18	< 0.01	< 10	< 10	12	< 10	220
BB08540	201	202	< 0.01	5	550	484	< 2	2	26	< 0.01	< 10	< 10	12	< 10	354

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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CERTIFICATE OF ANALYSIS A9628978

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
BB08541	201	202	< 0.2	0.48	8	120	< 0.5	< 2	10.95	1.5	2	11	11	1.22	< 10	< 1	0.07	10	5.47	345	< 1
BB08542	201	202	< 0.2	0.48	10	80	< 0.5	< 2	13.35	3.0	2	15	12	0.75	< 10	1	0.04	< 10	7.35	325	1

CERTIFICATION: Ian R Bishop

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BB08541	201	202	< 0.01	8	520	26	2	< 1	58	0.01	< 10	< 10	12	< 10	182
BB08542	201	202	< 0.01	11	940	22	< 2	< 1	74	< 0.01	< 10	< 10	14	< 10	146

CERTIFICATION: Ivan 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
BB00481	201	202	2.4	0.17	66	340	< 0.5	2	< 0.01	< 0.5	3	5	25	1.84	< 10	< 1	0.10	40	0.01	40	10
BB00482	201	202	0.8	2.22	32	170	1.0	< 2	0.22	5.0	56	51	332	5.23	< 10	1	0.14	70	1.07	2760	17
BB00483	201	202	1.4	1.33	70	210	< 0.5	< 2	0.13	1.5	30	24	160	6.12	< 10	< 1	0.12	40	0.60	945	11
BB00484	201	202	1.0	1.16	60	220	< 0.5	< 2	0.07	< 0.5	23	22	113	5.66	< 10	< 1	0.12	30	0.52	795	10
BB00485	201	202	1.2	1.34	54	190	< 0.5	< 2	0.11	< 0.5	25	26	113	5.59	< 10	1	0.11	30	0.65	845	11
BB00486	201	202	< 0.2	1.52	10	90	< 0.5	< 2	0.19	< 0.5	9	18	28	2.77	< 10	< 1	0.19	10	0.71	465	4
BB00487	201	202	0.2	1.57	4	80	< 0.5	< 2	0.31	< 0.5	20	16	20	2.90	< 10	< 1	0.19	10	0.93	670	8
BB00488	201	202	< 0.2	2.34	10	160	< 0.5	< 2	0.19	< 0.5	7	24	24	3.45	< 10	1	0.12	10	0.57	375	3
BB00489	201	202	0.2	0.93	< 2	120	< 0.5	< 2	0.10	< 0.5	2	8	18	1.60	< 10	< 1	0.08	< 10	0.06	50	4
BB00490	201	202	< 0.2	1.71	6	170	< 0.5	< 2	0.26	< 0.5	6	34	10	2.61	< 10	< 1	0.10	< 10	0.57	415	3
BB00491	201	202	< 0.2	1.40	10	140	< 0.5	< 2	0.29	< 0.5	5	15	14	2.08	< 10	< 1	0.12	< 10	0.19	410	4
BB00492	201	202	< 0.2	1.55	4	110	< 0.5	< 2	0.49	< 0.5	7	26	11	2.65	< 10	< 1	0.18	10	0.69	355	7
BB00493	201	202	< 0.2	2.24	28	260	0.5	< 2	0.84	< 0.5	6	27	23	2.58	< 10	< 1	0.12	30	0.52	290	5
BB00494	201	202	< 0.2	2.44	8	120	0.5	< 2	0.44	< 0.5	21	32	45	3.94	< 10	< 1	0.19	20	1.18	710	8
BB02765	201	202	< 0.2	0.81	14	350	< 0.5	< 2	0.32	< 0.5	1	9	21	2.03	< 10	< 1	0.08	30	0.22	85	3
BB02766	201	202	0.2	1.14	2	110	< 0.5	< 2	0.95	9.0	2	6	45	1.06	< 10	< 1	0.05	< 10	0.24	180	1
BB02767	201	202	< 0.2	1.54	24	440	< 0.5	< 2	0.64	< 0.5	6	23	19	6.08	< 10	< 1	0.06	10	0.34	410	4
BB02768	201	202	< 0.2	1.57	10	680	0.5	< 2	1.53	0.5	4	12	19	2.43	< 10	< 1	0.09	20	0.41	605	1
BB02769	201	202	0.2	0.88	2	200	< 0.5	< 2	2.18	0.5	3	4	17	1.53	< 10	< 1	0.08	10	0.63	415	1
BB02770	201	202	0.2	1.10	14	270	< 0.5	< 2	3.06	2.5	5	6	23	2.71	< 10	< 1	0.12	10	1.02	1090	3
BB02771	201	202	0.2	1.48	22	270	< 0.5	< 2	0.31	1.0	10	5	31	4.52	< 10	< 1	0.19	30	0.75	935	3
BB02772	201	202	0.2	1.95	8	280	< 0.5	< 2	3.19	1.0	8	4	24	4.01	< 10	< 1	0.19	30	1.95	1270	3
BB02773	201	202	0.2	1.16	10	220	< 0.5	< 2	5.05	2.0	5	5	23	2.57	< 10	1	0.17	30	2.96	755	1
BB02774	201	202	4.4	3.85	26	450	< 0.5	12	0.79	26.0	36	< 1	990	12.75	< 10	1	0.09	< 10	1.88	5350	5
BB02775	201	202	0.2	1.31	12	330	< 0.5	< 2	3.52	2.5	6	4	29	3.18	< 10	< 1	0.15	30	2.42	930	3
BB02776	201	202	< 0.2	1.17	6	200	< 0.5	< 2	2.51	1.5	4	11	15	2.20	< 10	1	0.11	50	1.38	525	2
BB02777	201	202	< 0.2	1.87	22	600	0.5	< 2	0.22	0.5	7	4	15	4.16	< 10	< 1	0.23	60	0.49	1825	4
BB02778	201	202	0.2	2.14	14	210	< 0.5	< 2	0.18	1.0	9	9	43	5.10	< 10	1	0.09	10	0.64	1665	3
BB02779	201	202	0.8	2.79	16	540	0.5	< 2	0.55	< 0.5	25	5	110	7.07	< 10	< 1	0.12	10	1.07	2130	4
BB02780	201	202	0.4	1.16	8	390	< 0.5	< 2	0.28	1.5	28	284	59	5.19	< 10	< 1	0.14	10	0.72	1115	3
BB02781	201	202	2.4	0.34	76	230	< 0.5	< 2	< 0.01	< 0.5	2	17	47	4.12	< 10	< 1	0.28	30	0.09	125	6
BB02782	201	202	1.6	0.52	80	190	< 0.5	< 2	0.01	0.5	4	17	61	4.41	< 10	< 1	0.21	40	0.14	170	6
BB02783	201	202	1.8	0.71	88	230	< 0.5	< 2	< 0.01	< 0.5	6	15	88	4.74	< 10	< 1	0.21	30	0.17	205	7
BB02784	201	202	1.4	0.53	74	190	< 0.5	< 2	< 0.01	0.5	6	24	71	4.37	< 10	< 1	0.19	30	0.15	280	6
BB02785	201	202	1.8	0.65	58	240	< 0.5	< 2	0.03	0.5	5	16	61	4.79	< 10	< 1	0.21	40	0.21	355	7
BB02786	201	202	1.0	0.63	48	200	< 0.5	< 2	0.05	0.5	7	16	81	4.96	< 10	< 1	0.16	30	0.17	465	4
BB02787	201	202	0.8	0.69	26	120	< 0.5	< 2	0.04	0.5	5	11	39	3.54	< 10	< 1	0.07	20	0.14	460	4
BB02788	201	202	0.8	0.67	34	100	< 0.5	< 2	0.01	< 0.5	3	15	53	4.04	< 10	< 1	0.07	30	0.25	185	5
BB02789	201	202	1.0	2.14	22	280	0.5	< 2	0.09	1.5	11	12	219	4.08	< 10	< 1	0.08	40	0.53	550	6
BB02790	201	202	< 0.2	1.52	4	170	< 0.5	< 2	0.16	< 0.5	6	15	17	2.43	< 10	< 1	0.12	10	0.30	475	11

CERTIFICATION: Stuart Bichler

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BB00481	201	202	< 0.01	25	210	46	< 2	< 1	11	< 0.01	< 10	< 10	9	< 10	68
BB00482	201	202	< 0.01	197	1770	92	< 2	14	15	< 0.01	< 10	10	127	< 10	654
BB00483	201	202	< 0.01	77	1450	140	< 2	5	20	< 0.01	< 10	< 10	64	< 10	414
BB00484	201	202	< 0.01	40	1110	188	< 2	4	18	< 0.01	< 10	< 10	55	< 10	218
BB00485	201	202	< 0.01	45	1200	162	< 2	4	19	0.01	< 10	< 10	67	< 10	238
BB00486	201	202	0.03	10	820	22	< 2	2	23	0.08	< 10	< 10	32	< 10	74
BB00487	201	202	0.01	10	640	32	< 2	4	34	0.09	< 10	< 10	36	< 10	72
BB00488	201	202	< 0.01	11	830	24	< 2	3	29	0.06	< 10	< 10	53	< 10	74
BB00489	201	202	< 0.01	4	1600	12	< 2	< 1	15	0.01	< 10	< 10	23	< 10	24
BB00490	201	202	< 0.01	16	410	22	< 2	2	28	0.09	< 10	< 10	56	< 10	50
BB00491	201	202	< 0.01	5	680	40	< 2	1	38	0.03	< 10	< 10	67	< 10	56
BB00492	201	202	< 0.01	7	590	8	< 2	5	44	0.10	< 10	< 10	63	< 10	62
BB00493	201	202	0.01	5	680	10	< 2	6	73	0.08	< 10	10	65	< 10	38
BB00494	201	202	< 0.01	12	530	24	< 2	7	40	0.12	< 10	< 10	54	< 10	88
BB02765	201	202	< 0.01	8	440	6	< 2	1	12	< 0.01	< 10	< 10	35	< 10	82
BB02766	201	202	0.05	184	1070	14	< 2	< 1	19	0.01	< 10	< 10	9	< 10	1815
BB02767	201	202	< 0.01	13	1170	34	< 2	2	21	0.03	< 10	< 10	43	< 10	102
BB02768	201	202	< 0.01	8	1750	38	< 2	3	22	< 0.01	< 10	< 10	17	< 10	102
BB02769	201	202	0.01	5	880	48	< 2	1	23	< 0.01	< 10	< 10	11	< 10	94
BB02770	201	202	< 0.01	7	1050	98	< 2	1	32	< 0.01	< 10	< 10	11	< 10	232
BB02771	201	202	< 0.01	8	740	82	< 2	3	17	< 0.01	< 10	< 10	10	< 10	246
BB02772	201	202	< 0.01	4	1430	54	< 2	5	51	0.01	< 10	< 10	17	< 10	224
BB02773	201	202	< 0.01	6	870	104	< 2	2	32	0.01	< 10	< 10	9	< 10	276
BB02774	201	202	< 0.01	< 1	3930	1820	< 2	10	57	0.26	< 10	< 10	31	< 10	3900
BB02775	201	202	< 0.01	6	900	118	< 2	3	28	0.02	< 10	< 10	9	< 10	268
BB02776	201	202	< 0.01	9	860	40	< 2	1	28	0.01	< 10	< 10	15	< 10	180
BB02777	201	202	< 0.01	3	530	70	< 2	4	20	< 0.01	< 10	< 10	7	< 10	184
BB02778	201	202	< 0.01	7	1020	234	< 2	3	11	0.07	< 10	< 10	24	< 10	652
BB02779	201	202	< 0.01	5	1510	64	< 2	6	27	0.12	< 10	< 10	20	< 10	140
BB02780	201	202	< 0.01	194	850	54	< 2	11	57	< 0.01	< 10	< 10	48	< 10	210
BB02781	201	202	< 0.01	18	790	240	< 2	1	42	< 0.01	< 10	< 10	20	< 10	130
BB02782	201	202	< 0.01	23	870	240	< 2	1	31	< 0.01	< 10	< 10	22	< 10	158
BB02783	201	202	< 0.01	27	1070	160	< 2	2	24	< 0.01	< 10	< 10	27	< 10	160
BB02784	201	202	< 0.01	27	780	224	< 2	1	37	< 0.01	< 10	< 10	20	< 10	222
BB02785	201	202	< 0.01	17	960	164	< 2	1	37	< 0.01	< 10	< 10	21	< 10	190
BB02786	201	202	< 0.01	28	940	144	< 2	1	29	< 0.01	< 10	< 10	22	< 10	256
BB02787	201	202	< 0.01	13	980	88	< 2	< 1	12	< 0.01	< 10	< 10	19	< 10	130
BB02788	201	202	< 0.01	15	820	82	< 2	< 1	13	< 0.01	< 10	< 10	19	< 10	150
BB02789	201	202	< 0.01	40	770	82	< 2	2	16	0.01	< 10	< 10	17	< 10	322
BB02790	201	202	< 0.01	9	520	32	< 2	1	21	0.05	< 10	< 10	44	< 10	66

CERTIFICATION: Hart Bichler

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BB02791	201	202	0.2	2.52	10	180	< 0.5	2	0.35	0.5	8	23	22	4.41	< 10	< 1	0.11	10	0.75	415	2
BB02792	201	202	< 0.2	0.80	< 2	30	< 0.5	< 2	0.06	< 0.5	< 1	1	5	0.46	< 10	< 1	0.04	< 10	0.04	25	1
BB02793	201	202	< 0.2	1.29	6	80	< 0.5	< 2	0.10	< 0.5	3	12	8	2.25	< 10	< 1	0.07	< 10	0.20	235	3
BB02794	201	202	< 0.2	1.54	2	130	< 0.5	< 2	0.15	< 0.5	3	13	6	1.69	< 10	< 1	0.08	< 10	0.32	225	3
BB02795	201	202	< 0.2	2.32	10	110	< 0.5	< 2	0.12	< 0.5	23	4	26	>15.00	< 10	< 1	0.09	10	0.67	650	6
BB02796	201	202	< 0.2	1.16	< 2	110	< 0.5	< 2	0.44	< 0.5	3	10	13	1.45	< 10	< 1	0.15	< 10	0.33	170	2
BB02797	201	202	0.4	1.25	2	170	< 0.5	< 2	0.38	0.5	3	15	27	1.59	< 10	< 1	0.14	< 10	0.47	280	4
BB02798	201	202	< 0.2	1.58	6	250	< 0.5	< 2	0.48	< 0.5	9	10	38	1.65	< 10	< 1	0.13	10	0.46	480	4
BB02799	201	202	0.4	2.40	< 2	190	< 0.5	< 2	0.47	< 0.5	4	14	43	1.99	< 10	< 1	0.37	< 10	0.49	200	2
BB02800	201	202	0.2	1.38	< 2	90	< 0.5	< 2	0.27	< 0.5	1	8	4	0.96	< 10	< 1	0.12	< 10	0.12	90	2
BB02801	201	202	0.6	2.48	< 2	660	< 0.5	< 2	0.91	< 0.5	8	17	34	2.26	< 10	< 1	0.28	10	0.55	500	6
BB02802	201	202	< 0.2	1.72	< 2	100	< 0.5	< 2	0.65	< 0.5	6	10	26	2.03	< 10	< 1	0.22	10	0.48	230	2
BB02803	201	202	< 0.2	2.06	4	130	< 0.5	< 2	0.55	< 0.5	7	20	18	3.25	< 10	< 1	0.25	< 10	0.68	255	5
BB02804	201	202	< 0.2	1.26	2	190	< 0.5	< 2	0.53	< 0.5	3	14	14	1.46	< 10	< 1	0.10	< 10	0.39	165	2
BB02805	201	202	0.4	1.87	2	420	< 0.5	< 2	0.72	0.5	6	17	27	2.04	< 10	< 1	0.19	10	0.59	300	1
BB02806	201	202	< 0.2	1.55	4	140	< 0.5	< 2	0.30	< 0.5	4	12	5	1.60	< 10	< 1	0.17	< 10	0.36	175	1
BB02807	201	202	< 0.2	2.09	2	220	< 0.5	< 2	0.37	< 0.5	5	18	7	2.93	< 10	< 1	0.22	< 10	0.60	295	3
BB02808	201	202	< 0.2	1.80	2	460	< 0.5	< 2	0.47	< 0.5	3	13	3	1.68	< 10	< 1	0.25	< 10	0.44	220	2
BB02809	201	202	< 0.2	1.34	12	200	< 0.5	< 2	0.31	< 0.5	4	14	8	2.36	< 10	< 1	0.07	10	0.32	150	3
BB02810	201	202	0.2	2.31	14	250	< 0.5	< 2	0.36	< 0.5	4	24	12	3.47	< 10	< 1	0.09	10	0.63	260	3
BB02811	201	202	0.2	1.37	26	360	< 0.5	< 2	0.56	0.5	7	13	41	3.72	< 10	< 1	0.06	20	0.37	430	4
BB02812	201	202	0.2	0.62	34	180	< 0.5	< 2	0.48	0.5	3	6	47	3.45	< 10	< 1	0.06	10	0.11	165	4
BB02813	201	202	0.2	1.52	6	230	< 0.5	< 2	0.77	< 0.5	8	17	15	3.07	< 10	< 1	0.07	10	0.60	265	2
BB02814	201	202	< 0.2	0.92	2	190	< 0.5	< 2	3.65	0.5	7	13	17	2.04	< 10	< 1	0.10	20	0.76	335	1
BB02815	201	202	< 0.2	2.32	16	290	0.5	< 2	1.03	0.5	14	57	25	4.04	< 10	< 1	0.18	20	1.09	1335	3
BB02816	201	202	< 0.2	1.46	6	120	< 0.5	< 2	5.90	1.5	7	33	19	2.15	< 10	< 1	0.09	10	3.45	475	1
BB02817	201	202	< 0.2	2.10	4	180	< 0.5	< 2	0.21	< 0.5	5	19	6	2.79	< 10	< 1	0.13	< 10	0.46	315	3
BB02818	201	202	< 0.2	1.90	12	440	0.5	< 2	1.05	2.5	10	40	182	2.85	< 10	< 1	0.13	100	1.04	535	4
BB02819	201	202	0.8	1.21	10	240	< 0.5	< 2	0.72	0.5	15	19	66	3.08	< 10	< 1	0.10	20	0.43	655	4
BB02820	201	202	< 0.2	0.49	2	50	< 0.5	< 2	0.10	< 0.5	< 1	3	8	0.78	< 10	< 1	0.03	< 10	0.04	15	1
BB02821	201	202	1.0	1.70	28	380	< 0.5	< 2	0.60	0.5	9	17	89	4.16	< 10	< 1	0.07	30	0.50	365	7
BB02822	201	202	0.6	1.05	14	280	< 0.5	< 2	1.48	2.5	4	7	47	3.16	< 10	< 1	0.11	10	0.71	580	2
BB02823	201	202	0.8	1.11	36	180	< 0.5	< 2	0.05	< 0.5	6	9	60	4.60	< 10	< 1	0.13	20	0.35	450	5
BB02824	201	202	0.6	0.59	52	150	< 0.5	< 2	0.01	0.5	4	9	68	4.29	< 10	< 1	0.10	20	0.10	305	5
BB02825	201	202	1.4	0.36	66	320	< 0.5	6	0.04	0.5	4	9	83	4.34	< 10	< 1	0.28	10	0.05	290	6
BB02827	201	202	0.8	2.64	22	410	< 0.5	< 2	0.45	0.5	20	6	152	6.66	< 10	< 1	0.16	10	0.89	2220	4
BB03251	201	202	< 0.2	1.48	< 2	180	< 0.5	< 2	0.82	< 0.5	19	11	85	2.46	< 10	< 1	0.20	10	0.78	770	4
BB03252	201	202	< 0.2	1.96	4	110	< 0.5	< 2	0.40	< 0.5	9	12	81	2.59	< 10	< 1	0.18	10	0.35	365	5
BB03253	201	202	< 0.2	2.02	2	150	0.5	< 2	0.19	< 0.5	11	11	34	3.43	< 10	< 1	0.17	10	0.56	820	5
BB03254	201	202	< 0.2	1.70	< 2	250	0.5	< 2	0.30	< 0.5	15	9	46	3.08	< 10	< 1	0.20	10	0.54	1085	3

CERTIFICATION: Ian 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

Project : SHUTOUT
Comments:

Page Number :2-B
Total Pages :6
Certificate Date: 29-AUG-96
Invoice No. :19628977
P.O. Number :
Account :MPO

CERTIFICATE OF ANALYSIS A9628977

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
BB02791	201	202	< 0.01	15	320	34	< 2	3	33	0.06	< 10	< 10	42	< 10	148
BB02792	201	202	0.05	1	240	< 2	< 2	< 1	7	0.02	< 10	< 10	11	< 10	6
BB02793	201	202	< 0.01	4	430	22	< 2	1	15	0.07	< 10	< 10	45	< 10	34
BB02794	201	202	< 0.01	3	460	18	< 2	1	21	0.05	< 10	< 10	33	< 10	28
BB02795	201	202	< 0.01	< 1	2450	12	< 2	8	28	0.05	< 10	10	99	< 10	58
BB02796	201	202	< 0.01	5	450	10	< 2	3	44	0.06	< 10	< 10	33	< 10	34
BB02797	201	202	< 0.01	11	600	10	< 2	1	38	0.04	< 10	< 10	43	< 10	52
BB02798	201	202	< 0.01	5	220	14	< 2	3	46	0.05	< 10	< 10	28	< 10	40
BB02799	201	202	< 0.01	3	310	66	< 2	3	51	0.07	< 10	< 10	40	< 10	40
BB02800	201	202	< 0.01	1	200	10	< 2	1	33	0.07	< 10	< 10	33	< 10	8
BB02801	201	202	< 0.01	5	660	14	< 2	4	52	0.08	< 10	< 10	47	< 10	46
BB02802	201	202	< 0.01	2	270	8	< 2	4	68	0.10	< 10	< 10	37	< 10	30
BB02803	201	202	< 0.01	4	260	6	< 2	5	56	0.12	< 10	< 10	53	< 10	32
BB02804	201	202	< 0.01	4	390	10	< 2	2	45	0.07	< 10	< 10	33	< 10	30
BB02805	201	202	< 0.01	13	630	20	< 2	4	49	0.06	< 10	< 10	32	< 10	168
BB02806	201	202	< 0.01	2	240	24	< 2	3	35	0.09	< 10	< 10	37	< 10	28
BB02807	201	202	< 0.01	4	190	26	< 2	4	45	0.08	< 10	< 10	44	< 10	40
BB02808	201	202	< 0.01	3	280	38	< 2	2	46	0.05	< 10	< 10	31	< 10	38
BB02809	201	202	< 0.01	8	370	22	< 2	1	32	0.05	< 10	< 10	34	< 10	48
BB02810	201	202	< 0.01	11	830	36	< 2	1	28	0.02	< 10	< 10	49	< 10	130
BB02811	201	202	< 0.01	21	1360	32	< 2	1	20	< 0.01	< 10	< 10	22	< 10	212
BB02812	201	202	< 0.01	18	670	76	< 2	< 1	12	< 0.01	< 10	< 10	15	< 10	236
BB02813	201	202	0.01	8	920	18	< 2	3	15	< 0.01	< 10	< 10	32	< 10	78
BB02814	201	202	< 0.01	7	720	18	< 2	1	20	< 0.01	< 10	< 10	20	< 10	90
BB02815	201	202	< 0.01	17	1350	78	< 2	4	28	0.04	< 10	< 10	72	< 10	166
BB02816	201	202	0.01	15	1060	18	< 2	3	33	0.03	< 10	< 10	39	< 10	106
BB02817	201	202	< 0.01	4	220	36	< 2	3	30	0.07	< 10	< 10	38	< 10	46
BB02818	201	202	< 0.01	72	1430	26	< 2	7	38	0.05	< 10	< 10	56	< 10	572
BB02819	201	202	< 0.01	24	2740	64	2	< 1	22	0.01	< 10	< 10	33	< 10	224
BB02820	201	202	0.03	4	360	6	< 2	< 1	4	< 0.01	< 10	< 10	17	< 10	28
BB02821	201	202	< 0.01	32	1170	30	< 2	< 1	60	< 0.01	< 10	< 10	22	< 10	230
BB02822	201	202	< 0.01	10	1400	94	< 2	2	23	< 0.01	< 10	< 10	12	< 10	310
BB02823	201	202	< 0.01	12	1020	102	< 2	1	24	< 0.01	< 10	< 10	18	< 10	164
BB02824	201	202	< 0.01	16	950	88	< 2	< 1	19	< 0.01	< 10	< 10	20	< 10	186
BB02825	201	202	< 0.01	14	860	216	< 2	1	58	< 0.01	< 10	< 10	15	< 10	176
BB02827	201	202	< 0.01	4	1340	80	< 2	6	24	0.13	< 10	< 10	21	< 10	192
BB03251	201	202	< 0.01	10	620	14	< 2	5	67	0.13	< 10	< 10	34	< 10	72
BB03252	201	202	< 0.01	7	650	10	< 2	3	45	0.08	< 10	< 10	43	< 10	46
BB03253	201	202	< 0.01	4	560	8	< 2	6	26	0.01	< 10	< 10	50	< 10	42
BB03254	201	202	0.01	6	480	6	2	9	38	0.04	< 10	< 10	42	< 10	44

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

Project : SHUTOUT
Comments:

Certificate Date: 29-AUG-96
Invoice No. : I9628977
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9628977

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
BB03255	201	202	< 0.2	1.66	2	100	< 0.5	< 2	0.32	< 0.5	17	22	56	2.93	< 10	< 1	0.16	10	0.68	620	3
BB03256	201	202	< 0.2	1.72	6	130	< 0.5	< 2	0.41	< 0.5	12	22	32	2.81	< 10	< 1	0.14	10	0.79	625	2
BB03257	201	202	< 0.2	1.94	4	140	< 0.5	< 2	0.61	< 0.5	19	23	61	3.14	< 10	< 1	0.19	10	0.98	735	2
BB03258	201	202	< 0.2	1.35	8	120	< 0.5	< 2	0.38	< 0.5	19	9	350	2.41	< 10	< 1	0.14	10	0.42	570	4
BB03259	201	202	< 0.2	1.02	2	60	< 0.5	< 2	0.14	< 0.5	4	20	51	1.19	< 10	< 1	0.08	< 10	0.23	120	1
BB03260	201	202	< 0.2	1.52	2	290	< 0.5	< 2	0.29	< 0.5	13	12	66	3.40	< 10	< 1	0.30	10	0.51	815	3
BB03261	201	202	< 0.2	0.97	2	60	< 0.5	< 2	0.28	< 0.5	3	14	54	1.36	< 10	< 1	0.10	10	0.11	90	3
BB03262	201	202	< 0.2	0.75	2	60	< 0.5	< 2	0.31	< 0.5	6	10	86	1.23	< 10	< 1	0.14	< 10	0.25	260	2
BB03263	201	202	< 0.2	0.77	2	40	< 0.5	< 2	0.24	< 0.5	5	5	23	1.35	< 10	< 1	0.13	< 10	0.26	255	1
BB03264	201	202	< 0.2	1.22	< 2	90	< 0.5	< 2	0.30	< 0.5	8	8	40	1.86	< 10	< 1	0.16	< 10	0.60	465	2
BB03265	201	202	< 0.2	1.36	< 2	70	< 0.5	< 2	0.25	< 0.5	7	10	37	1.81	< 10	< 1	0.11	< 10	0.48	235	2
BB03266	201	202	0.2	1.13	< 2	90	< 0.5	< 2	0.17	< 0.5	5	9	40	1.42	< 10	< 1	0.11	< 10	0.34	250	3
BB03267	201	202	< 0.2	1.19	< 2	70	< 0.5	< 2	0.47	< 0.5	7	6	12	1.79	< 10	< 1	0.14	< 10	0.34	630	1
BB03268	201	202	< 0.2	0.59	< 2	130	< 0.5	< 2	0.34	< 0.5	6	3	8	0.80	< 10	< 1	0.14	< 10	0.10	1220	2
BB03269	201	202	< 0.2	2.29	< 2	160	< 0.5	< 2	0.25	< 0.5	6	8	7	2.55	< 10	< 1	0.11	< 10	0.57	310	1
BB03270	201	202	< 0.2	3.09	< 2	100	< 0.5	< 2	0.32	< 0.5	15	12	15	4.35	< 10	< 1	0.47	< 10	1.66	755	4
BB03271	201	202	< 0.2	1.04	< 2	90	< 0.5	< 2	0.40	< 0.5	7	3	12	1.51	< 10	< 1	0.24	< 10	0.65	420	1
BB03272	201	202	< 0.2	1.45	< 2	80	< 0.5	< 2	0.55	< 0.5	11	6	19	2.14	< 10	< 1	0.39	10	1.09	530	3
BB03273	201	202	< 0.2	1.38	< 2	120	< 0.5	< 2	0.43	< 0.5	8	8	25	2.22	< 10	< 1	0.21	10	0.70	475	2
BB03274	201	202	< 0.2	1.26	< 2	40	< 0.5	< 2	0.16	< 0.5	4	5	17	1.78	< 10	< 1	0.12	< 10	0.30	250	4
BB03275	201	202	< 0.2	1.11	2	70	< 0.5	< 2	0.30	< 0.5	7	11	19	1.87	< 10	< 1	0.12	< 10	0.50	350	2
BB03276	201	202	< 0.2	0.69	2	80	< 0.5	< 2	0.28	< 0.5	6	5	11	1.15	< 10	< 1	0.13	< 10	0.30	415	1
BB03277	201	202	< 0.2	0.79	< 2	90	< 0.5	< 2	0.22	< 0.5	4	7	11	1.33	< 10	< 1	0.11	< 10	0.15	270	2
BB03278	201	202	< 0.2	1.31	< 2	110	< 0.5	< 2	0.12	< 0.5	4	11	15	1.68	< 10	< 1	0.14	30	0.24	230	3
BB03279	201	202	< 0.2	1.01	< 2	200	< 0.5	< 2	0.20	< 0.5	3	8	8	1.32	< 10	< 1	0.12	10	0.11	265	1
BB03280	201	202	< 0.2	1.49	< 2	100	< 0.5	< 2	0.20	< 0.5	7	15	11	2.48	< 10	< 1	0.13	10	0.40	645	3
BB03281	201	202	< 0.2	1.24	2	70	< 0.5	< 2	0.21	< 0.5	4	11	8	2.04	< 10	< 1	0.11	< 10	0.37	275	1
BB03282	201	202	< 0.2	1.47	< 2	90	< 0.5	< 2	0.41	< 0.5	8	13	15	1.99	< 10	< 1	0.18	10	0.68	370	1
BB03283	201	202	< 0.2	1.97	4	70	< 0.5	< 2	0.33	< 0.5	10	13	19	2.77	< 10	1	0.18	< 10	1.04	390	1
BB03284	201	202	< 0.2	1.59	2	60	< 0.5	< 2	0.19	< 0.5	8	12	15	2.32	< 10	< 1	0.13	< 10	0.83	320	1
BB03285	201	202	< 0.2	1.39	< 2	80	< 0.5	< 2	0.11	< 0.5	7	11	13	2.15	< 10	< 1	0.14	< 10	0.53	270	1
BB03286	201	202	< 0.2	1.27	2	70	< 0.5	< 2	0.08	< 0.5	8	15	13	2.65	< 10	< 1	0.12	10	0.53	400	1
BB03287	201	202	< 0.2	0.82	< 2	60	< 0.5	< 2	0.06	< 0.5	3	6	5	0.84	< 10	< 1	0.06	< 10	0.09	65	< 1
BB03288	201	202	< 0.2	1.14	< 2	70	< 0.5	< 2	0.18	< 0.5	8	11	15	1.93	< 10	< 1	0.12	10	0.56	445	< 1
BB03289	201	202	< 0.2	0.71	< 2	50	< 0.5	< 2	0.09	< 0.5	5	5	10	1.25	< 10	< 1	0.08	< 10	0.22	405	1
BB03290	201	202	< 0.2	1.32	< 2	80	< 0.5	< 2	0.19	< 0.5	5	10	9	1.43	< 10	< 1	0.09	10	0.43	220	1
BB03291	201	202	< 0.2	1.05	4	60	< 0.5	< 2	0.18	< 0.5	5	15	9	1.49	< 10	< 1	0.07	10	0.37	155	< 1
BB03292	201	202	< 0.2	1.36	6	60	< 0.5	< 2	0.20	< 0.5	5	16	13	1.69	< 10	< 1	0.09	10	0.43	235	1
BB03293	201	202	< 0.2	1.04	2	140	< 0.5	< 2	0.25	< 0.5	11	8	9	1.38	< 10	< 1	0.13	< 10	0.35	2040	1
BB03294	201	202	< 0.2	1.05	< 2	230	< 0.5	< 2	0.13	< 0.5	10	9	7	1.32	< 10	< 1	0.07	< 10	0.13	2060	3

CERTIFICATION: Stuart Bichler

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BB03255	201	202	< 0.01	15	490	12	< 2	3	33	0.10	< 10	< 10	44	< 10	62
BB03256	201	202	< 0.01	13	490	8	< 2	3	42	0.08	< 10	< 10	46	< 10	70
BB03257	201	202	< 0.01	20	490	12	< 2	6	57	0.12	< 10	< 10	51	< 10	96
BB03258	201	202	< 0.01	14	410	14	< 2	3	36	0.09	< 10	< 10	27	< 10	90
BB03259	201	202	0.03	6	420	4	< 2	1	16	0.05	< 10	< 10	23	< 10	24
BB03260	201	202	< 0.01	8	380	22	8	8	46	0.04	< 10	< 10	42	< 10	52
BB03261	201	202	< 0.01	4	450	8	< 2	1	30	0.05	< 10	< 10	28	< 10	18
BB03262	201	202	< 0.01	4	390	6	< 2	1	33	0.07	< 10	< 10	21	< 10	26
BB03263	201	202	< 0.01	2	370	8	< 2	1	31	0.07	< 10	< 10	25	< 10	22
BB03264	201	202	< 0.01	5	440	10	< 2	2	30	0.08	< 10	< 10	32	< 10	44
BB03265	201	202	< 0.01	6	430	8	2	1	25	0.08	< 10	< 10	33	< 10	46
BB03266	201	202	0.02	4	510	18	< 2	1	15	0.04	< 10	< 10	25	< 10	44
BB03267	201	202	< 0.01	1	210	14	< 2	3	57	0.09	< 10	< 10	39	< 10	38
BB03268	201	202	< 0.01	< 1	160	6	< 2	1	42	0.07	< 10	< 10	22	< 10	14
BB03269	201	202	< 0.01	2	410	6	< 2	1	31	0.03	< 10	< 10	36	< 10	32
BB03270	201	202	< 0.01	5	430	4	< 2	3	35	0.18	< 10	< 10	60	< 10	120
BB03271	201	202	< 0.01	1	430	8	< 2	3	33	0.08	< 10	< 10	20	< 10	48
BB03272	201	202	< 0.01	4	480	16	< 2	4	39	0.10	< 10	< 10	32	< 10	60
BB03273	201	202	< 0.01	5	470	16	< 2	4	38	0.08	< 10	< 10	30	< 10	60
BB03274	201	202	< 0.01	2	220	22	< 2	1	18	0.04	< 10	< 10	26	< 10	30
BB03275	201	202	< 0.01	7	500	26	< 2	1	28	0.06	< 10	< 10	30	< 10	52
BB03276	201	202	< 0.01	3	310	14	< 2	1	27	0.05	< 10	< 10	19	< 10	32
BB03277	201	202	< 0.01	3	500	10	< 2	< 1	26	0.04	< 10	< 10	28	< 10	28
BB03278	201	202	< 0.01	6	550	28	< 2	1	14	0.01	< 10	< 10	22	< 10	36
BB03279	201	202	< 0.01	3	340	22	< 2	< 1	21	0.02	< 10	< 10	35	< 10	38
BB03280	201	202	< 0.01	6	610	14	< 2	1	23	0.06	< 10	< 10	40	< 10	46
BB03281	201	202	< 0.01	4	610	8	< 2	1	24	0.06	< 10	< 10	45	< 10	34
BB03282	201	202	< 0.01	9	650	8	< 2	3	34	0.09	< 10	< 10	33	< 10	54
BB03283	201	202	< 0.01	7	380	10	< 2	2	35	0.14	< 10	< 10	43	< 10	64
BB03284	201	202	< 0.01	6	340	14	< 2	1	17	0.09	< 10	< 10	35	< 10	54
BB03285	201	202	< 0.01	6	380	8	< 2	< 1	11	0.06	< 10	< 10	31	< 10	42
BB03286	201	202	< 0.01	9	400	10	< 2	1	8	0.05	< 10	< 10	40	< 10	56
BB03287	201	202	< 0.01	2	220	4	< 2	< 1	7	0.03	< 10	< 10	23	< 10	16
BB03288	201	202	< 0.01	10	550	8	< 2	1	11	0.05	< 10	< 10	25	< 10	48
BB03289	201	202	< 0.01	3	350	6	< 2	< 1	10	0.04	< 10	< 10	24	< 10	24
BB03290	201	202	< 0.01	6	360	8	< 2	1	19	0.06	< 10	< 10	23	< 10	38
BB03291	201	202	< 0.01	9	350	8	< 2	1	19	0.06	< 10	< 10	30	< 10	36
BB03292	201	202	< 0.01	10	530	8	< 2	1	19	0.07	< 10	< 10	29	< 10	44
BB03293	201	202	< 0.01	5	730	10	< 2	< 1	22	0.03	< 10	< 10	19	< 10	40
BB03294	201	202	< 0.01	4	1230	12	< 2	< 1	13	0.01	< 10	< 10	29	< 10	28

CERTIFICATION: Hart 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 : SHUTOUT
Comments:

Certificate Date: 29-AUG-96
Invoice No. :I9628977
P.O. Number :
Account :MPO

CERTIFICATE OF ANALYSIS A9628977

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
BB03295	201	202	< 0.2	1.00	< 2	100	< 0.5	< 2	0.12	< 0.5	3	10	8	1.31	< 10	< 1	0.07	< 10	0.20	210	1
BB03296	201	202	< 0.2	1.54	< 2	80	< 0.5	< 2	0.18	< 0.5	7	9	8	2.02	< 10	< 1	0.19	< 10	0.82	305	1
BB03297	201	202	< 0.2	0.94	< 2	80	< 0.5	< 2	0.10	< 0.5	1	6	3	0.61	< 10	< 1	0.06	< 10	0.10	60	< 1
BB03298	201	202	< 0.2	0.84	< 2	70	< 0.5	< 2	0.09	< 0.5	< 1	4	2	0.56	< 10	< 1	0.05	< 10	0.06	50	< 1
BB03299	201	202	< 0.2	0.78	< 2	80	< 0.5	< 2	0.14	< 0.5	2	5	4	0.78	< 10	< 1	0.08	< 10	0.11	95	< 1
BB03300	201	202	< 0.2	1.34	< 2	150	< 0.5	< 2	0.14	< 0.5	1	8	7	1.10	< 10	< 1	0.07	< 10	0.16	100	1
BB03301	201	202	< 0.2	1.02	< 2	90	< 0.5	< 2	0.15	< 0.5	3	6	7	1.24	< 10	< 1	0.08	< 10	0.28	160	1
BB03302	201	202	< 0.2	1.01	< 2	90	< 0.5	< 2	0.08	< 0.5	< 1	2	1	0.37	< 10	< 1	0.05	< 10	0.05	60	3
BB03303	201	202	< 0.2	1.40	< 2	200	< 0.5	< 2	0.18	< 0.5	3	7	5	1.00	< 10	< 1	0.11	< 10	0.18	215	3
BB03304	201	202	< 0.2	1.42	< 2	80	< 0.5	< 2	0.16	< 0.5	4	6	8	1.40	< 10	< 1	0.12	< 10	0.27	160	1
BB03305	201	202	< 0.2	1.23	< 2	110	< 0.5	< 2	0.18	< 0.5	1	4	3	0.88	< 10	< 1	0.10	< 10	0.13	90	< 1
BB03306	201	202	< 0.2	1.58	< 2	110	< 0.5	< 2	0.27	< 0.5	7	5	17	1.98	< 10	< 1	0.20	< 10	0.51	335	1
BB03307	201	202	< 0.2	2.65	< 2	240	0.5	< 2	0.25	< 0.5	7	10	41	2.27	< 10	< 1	0.17	30	0.54	300	4
BB03308	201	202	0.4	1.93	< 2	190	0.5	< 2	0.41	< 0.5	7	9	54	2.15	< 10	< 1	0.24	50	0.55	330	9
BB03309	201	202	< 0.2	1.83	< 2	130	< 0.5	< 2	0.37	< 0.5	4	9	9	1.72	< 10	< 1	0.14	10	0.39	235	2
BB03310	201	202	0.2	2.07	36	340	0.5	2	0.58	0.5	41	53	178	4.56	< 10	< 1	0.13	10	1.07	1215	8
BB03311	201	202	< 0.2	1.27	< 2	80	< 0.5	< 2	0.41	< 0.5	12	7	35	2.21	< 10	< 1	0.19	< 10	0.56	570	4
BB03312	201	202	< 0.2	1.57	2	130	< 0.5	< 2	0.33	< 0.5	13	9	46	2.85	< 10	< 1	0.33	10	0.73	460	6
BB03313	201	202	< 0.2	1.65	< 2	130	< 0.5	< 2	0.30	< 0.5	12	28	28	3.18	< 10	< 1	0.14	10	0.69	665	3
BB03314	201	202	< 0.2	1.67	< 2	290	< 0.5	< 2	0.56	1.0	65	12	40	3.73	< 10	< 1	0.28	10	0.94	2500	3
BB03315	201	202	1.0	1.33	12	190	< 0.5	6	0.68	1.5	41	57	423	4.36	< 10	< 1	0.11	10	0.72	1160	8
BB03316	201	202	< 0.2	1.28	2	60	< 0.5	< 2	0.21	< 0.5	10	14	375	2.18	< 10	< 1	0.09	10	0.29	275	4
BB03317	201	202	< 0.2	0.80	2	50	< 0.5	< 2	0.27	< 0.5	11	8	324	1.50	< 10	< 1	0.12	10	0.22	360	3
BB03318	201	202	0.2	1.18	2	90	< 0.5	< 2	0.28	< 0.5	14	18	367	1.93	< 10	< 1	0.18	10	0.50	550	3
BB03319	201	202	< 0.2	1.01	< 2	60	< 0.5	< 2	0.16	< 0.5	7	11	26	2.05	< 10	< 1	0.14	< 10	0.37	325	2
BB03320	201	202	< 0.2	1.35	2	150	< 0.5	< 2	0.13	< 0.5	9	16	111	2.48	< 10	< 1	0.12	10	0.37	630	3
BB03321	201	202	< 0.2	1.26	6	70	< 0.5	< 2	0.20	< 0.5	11	13	75	2.42	< 10	< 1	0.12	10	0.62	415	3
BB03322	201	202	< 0.2	1.60	2	140	< 0.5	< 2	0.26	< 0.5	13	15	149	2.41	< 10	< 1	0.16	10	0.65	500	4
BB03323	201	202	< 0.2	1.22	< 2	80	< 0.5	< 2	0.22	< 0.5	6	9	41	1.54	< 10	< 1	0.12	10	0.37	210	1
BB03324	201	202	< 0.2	1.63	2	100	< 0.5	< 2	0.25	< 0.5	14	17	57	2.52	< 10	< 1	0.12	10	0.70	570	2
BB03325	201	202	< 0.2	1.07	< 2	80	< 0.5	< 2	0.20	< 0.5	5	8	53	1.54	< 10	< 1	0.13	< 10	0.28	255	2
BB03326	201	202	< 0.2	1.13	< 2	40	< 0.5	< 2	0.37	< 0.5	9	3	73	1.79	< 10	< 1	0.27	< 10	0.54	375	2
BB03327	201	202	< 0.2	0.64	< 2	20	< 0.5	< 2	0.09	< 0.5	< 1	1	10	0.29	< 10	< 1	0.03	10	0.03	45	1
BB03328	201	202	< 0.2	0.72	< 2	90	< 0.5	< 2	0.29	< 0.5	9	3	11	1.53	< 10	< 1	0.14	20	0.41	610	3
BB03329	201	202	< 0.2	0.73	< 2	210	< 0.5	< 2	0.25	< 0.5	10	3	13	2.00	< 10	< 1	0.15	30	0.35	835	3
BB03330	201	202	< 0.2	0.78	< 2	310	< 0.5	< 2	0.27	< 0.5	12	3	25	1.46	< 10	< 1	0.14	20	0.46	735	1
BB03331	201	202	< 0.2	0.96	< 2	150	< 0.5	< 2	0.47	0.5	10	3	77	1.70	< 10	< 1	0.15	20	0.50	635	2
BB03332	201	202	< 0.2	2.02	< 2	160	< 0.5	< 2	0.64	< 0.5	16	6	32	3.10	< 10	< 1	0.64	10	1.70	960	1
BB03333	201	202	< 0.2	2.29	< 2	180	0.5	< 2	0.97	< 0.5	20	13	37	4.58	< 10	< 1	0.93	30	1.97	1210	5
BB03334	201	202	< 0.2	1.31	2	110	< 0.5	< 2	0.35	< 0.5	9	15	23	2.28	< 10	< 1	0.11	10	0.62	435	2

CERTIFICATION: Stuart Bichler

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CERTIFICATE OF ANALYSIS A9628977

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
BB03295	201	202	< 0.01	5	370	10	< 2	< 1	13	0.04	< 10	< 10	25	< 10	30
BB03296	201	202	< 0.01	5	400	2	< 2	1	19	0.08	< 10	< 10	29	< 10	54
BB03297	201	202	0.01	1	350	6	< 2	< 1	12	0.01	< 10	< 10	14	< 10	14
BB03298	201	202	0.01	1	380	6	< 2	< 1	10	0.01	< 10	< 10	13	< 10	10
BB03299	201	202	< 0.01	1	240	8	< 2	< 1	15	0.04	< 10	< 10	17	< 10	16
BB03300	201	202	< 0.01	3	400	10	< 2	< 1	15	0.03	< 10	< 10	22	< 10	24
BB03301	201	202	< 0.01	2	230	10	< 2	< 1	15	0.04	< 10	< 10	16	< 10	30
BB03302	201	202	< 0.01	< 1	250	8	< 2	< 1	10	0.03	< 10	< 10	10	< 10	6
BB03303	201	202	0.01	2	500	10	< 2	< 1	23	0.04	< 10	< 10	21	< 10	18
BB03304	201	202	< 0.01	3	340	8	< 2	< 1	21	0.06	< 10	< 10	24	< 10	22
BB03305	201	202	0.01	< 1	340	12	< 2	< 1	24	0.04	< 10	< 10	20	< 10	14
BB03306	201	202	< 0.01	2	290	14	< 2	1	29	0.09	< 10	< 10	22	< 10	46
BB03307	201	202	< 0.01	4	930	16	< 2	1	28	0.03	< 10	< 10	27	< 10	82
BB03308	201	202	< 0.01	5	610	20	< 2	4	32	0.05	< 10	10	31	< 10	82
BB03309	201	202	< 0.01	4	410	12	< 2	1	33	0.04	< 10	< 10	27	< 10	34
BB03310	201	202	< 0.01	49	1280	16	< 2	6	49	0.19	< 10	< 10	60	< 10	244
BB03311	201	202	< 0.01	4	450	8	< 2	3	42	0.11	< 10	< 10	33	< 10	42
BB03312	201	202	< 0.01	6	590	8	< 2	3	39	0.12	< 10	< 10	34	< 10	58
BB03313	201	202	< 0.01	13	770	8	< 2	3	29	0.08	< 10	< 10	51	< 10	56
BB03314	201	202	< 0.01	86	500	6	< 2	4	39	0.14	< 10	< 10	39	< 10	270
BB03315	201	202	< 0.01	59	1480	34	< 2	3	41	0.12	< 10	< 10	52	< 10	298
BB03316	201	202	< 0.01	12	640	14	< 2	1	21	0.07	< 10	< 10	27	< 10	50
BB03317	201	202	< 0.01	9	600	18	< 2	1	25	0.06	< 10	< 10	18	< 10	42
BB03318	201	202	< 0.01	13	630	14	< 2	3	23	0.08	< 10	< 10	23	< 10	80
BB03319	201	202	< 0.01	5	380	6	< 2	1	19	0.08	< 10	< 10	31	< 10	38
BB03320	201	202	< 0.01	12	760	18	< 2	1	11	0.03	< 10	< 10	34	< 10	58
BB03321	201	202	< 0.01	10	490	12	< 2	1	17	0.07	< 10	< 10	36	< 10	58
BB03322	201	202	< 0.01	13	820	16	< 2	2	21	0.07	< 10	< 10	37	< 10	86
BB03323	201	202	0.01	7	540	8	< 2	1	20	0.06	< 10	< 10	24	< 10	46
BB03324	201	202	< 0.01	11	580	8	< 2	4	23	0.07	< 10	< 10	39	< 10	60
BB03325	201	202	< 0.01	3	530	8	< 2	1	21	0.06	< 10	< 10	25	< 10	38
BB03326	201	202	< 0.01	2	550	6	< 2	2	28	0.10	< 10	< 10	17	< 10	52
BB03327	201	202	0.07	< 1	320	< 2	< 2	< 1	7	0.01	< 10	< 10	5	< 10	2
BB03328	201	202	< 0.01	1	390	12	< 2	3	24	0.03	< 10	< 10	17	< 10	50
BB03329	201	202	< 0.01	3	430	10	< 2	6	18	0.01	< 10	< 10	21	< 10	46
BB03330	201	202	< 0.01	2	410	6	< 2	3	17	0.01	< 10	< 10	15	< 10	38
BB03331	201	202	< 0.01	2	420	40	< 2	5	37	0.05	< 10	< 10	25	< 10	52
BB03332	201	202	< 0.01	4	540	14	< 2	5	41	0.13	< 10	< 10	42	< 10	100
BB03333	201	202	< 0.01	12	780	16	< 2	12	58	0.12	< 10	< 10	66	< 10	122
BB03334	201	202	< 0.01	10	540	44	< 2	3	25	0.07	< 10	< 10	37	< 10	88

CERTIFICATION: Stuart 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
BB03335	201	202	< 0.2	1.19	4	120	< 0.5	< 2	0.33	< 0.5	8	12	26	1.98	< 10	< 1	0.14	10	0.53	465	< 1
BB03336	201	202	< 0.2	1.29	2	140	< 0.5	< 2	0.32	< 0.5	8	12	22	2.06	< 10	< 1	0.14	20	0.52	480	< 1
BB03338	201	202	< 0.2	1.43	2	90	< 0.5	< 2	0.17	< 0.5	8	17	14	2.24	< 10	< 1	0.11	30	0.35	535	< 1
BB03339	201	202	< 0.2	0.79	< 2	110	< 0.5	< 2	0.04	< 0.5	3	8	9	1.74	< 10	< 1	0.06	< 10	0.09	330	1
BB03340	201	202	< 0.2	1.47	2	50	< 0.5	< 2	0.05	< 0.5	6	14	15	2.18	< 10	< 1	0.09	< 10	0.51	315	1
BB03341	201	202	< 0.2	1.41	< 2	100	< 0.5	< 2	0.13	< 0.5	7	10	16	2.16	< 10	< 1	0.19	< 10	0.77	325	< 1
BB03342	201	202	< 0.2	1.33	< 2	80	< 0.5	< 2	0.18	< 0.5	8	11	15	2.02	< 10	< 1	0.16	10	0.70	400	< 1
BB03343	201	202	< 0.2	1.80	< 2	80	< 0.5	< 2	0.19	< 0.5	12	13	17	3.06	< 10	1	0.35	< 10	1.07	535	1
BB03344	201	202	< 0.2	0.80	6	140	< 0.5	< 2	0.17	< 0.5	9	8	15	1.78	< 10	< 1	0.12	20	0.28	700	< 1
BB03345	201	202	< 0.2	1.33	< 2	80	< 0.5	< 2	0.21	< 0.5	9	12	16	1.94	< 10	< 1	0.13	10	0.47	560	< 1
BB03346	201	202	< 0.2	1.02	< 2	50	< 0.5	< 2	0.18	< 0.5	5	12	9	1.82	< 10	< 1	0.12	10	0.40	235	< 1
BB03347	201	202	< 0.2	1.52	6	80	< 0.5	< 2	0.19	< 0.5	8	17	23	1.95	< 10	< 1	0.12	10	0.52	530	< 1
BB03348	201	202	< 0.2	0.96	2	50	< 0.5	< 2	0.12	< 0.5	4	7	11	1.15	< 10	< 1	0.09	< 10	0.22	265	< 1
BB03349	201	202	< 0.2	1.11	2	70	< 0.5	< 2	0.08	< 0.5	3	8	7	1.15	< 10	< 1	0.05	< 10	0.15	180	< 1
BB03350	201	202	< 0.2	1.49	2	110	< 0.5	< 2	0.26	< 0.5	10	14	31	2.02	< 10	< 1	0.14	20	0.56	730	< 1
BB03351	201	202	< 0.2	1.20	8	70	< 0.5	< 2	0.23	< 0.5	8	16	38	1.70	< 10	< 1	0.09	10	0.41	335	< 1
BB03352	201	202	< 0.2	1.13	2	60	< 0.5	< 2	0.21	0.5	6	10	20	1.44	< 10	< 1	0.11	10	0.34	325	< 1
BB03353	201	202	< 0.2	1.24	2	80	< 0.5	< 2	0.11	< 0.5	6	8	22	1.46	< 10	< 1	0.08	10	0.20	435	< 1
BB03354	201	202	< 0.2	1.76	6	150	< 0.5	< 2	0.16	< 0.5	7	15	29	1.95	< 10	< 1	0.10	30	0.40	435	< 1
BB03355	201	202	< 0.2	1.25	2	80	< 0.5	< 2	0.23	< 0.5	7	13	28	1.69	< 10	< 1	0.12	10	0.44	415	< 1
BB03356	201	202	< 0.2	1.19	2	90	< 0.5	< 2	0.25	< 0.5	8	16	28	1.69	< 10	< 1	0.09	20	0.40	355	1
BB03357	201	202	< 0.2	1.21	10	60	< 0.5	< 2	0.25	< 0.5	6	18	38	1.78	< 10	< 1	0.08	10	0.39	260	< 1
BB03358	201	202	< 0.2	1.53	< 2	80	< 0.5	< 2	0.26	< 0.5	7	20	28	1.99	< 10	< 1	0.10	20	0.47	325	1
BB03359	201	202	< 0.2	1.76	6	110	< 0.5	< 2	0.24	< 0.5	8	20	46	2.15	< 10	< 1	0.11	20	0.46	490	< 1
BB03360	201	202	< 0.2	1.48	< 2	90	< 0.5	< 2	0.27	< 0.5	7	16	55	1.85	< 10	< 1	0.13	20	0.42	400	< 1
BB03361	201	202	< 0.2	1.18	2	90	< 0.5	< 2	0.24	0.5	7	16	41	1.68	< 10	< 1	0.10	10	0.39	395	< 1
BB03362	201	202	< 0.2	1.28	2	70	< 0.5	< 2	0.21	< 0.5	8	17	31	1.70	< 10	< 1	0.10	10	0.38	335	1
BB03363	201	202	< 0.2	1.36	< 2	100	< 0.5	< 2	0.27	< 0.5	9	16	75	1.83	< 10	< 1	0.12	20	0.45	435	< 1
BB03364	201	202	< 0.2	1.26	< 2	70	< 0.5	< 2	0.31	< 0.5	8	13	42	1.81	< 10	< 1	0.12	10	0.53	360	1
BB03365	201	202	< 0.2	1.34	2	90	< 0.5	< 2	0.22	< 0.5	8	7	23	2.01	< 10	< 1	0.16	10	0.65	630	< 1
BB03366	201	202	< 0.2	1.56	< 2	140	< 0.5	< 2	0.36	< 0.5	7	12	44	2.03	< 10	< 1	0.15	20	0.59	365	1
BB03367	201	202	< 0.2	1.88	4	90	< 0.5	< 2	0.14	< 0.5	6	9	29	2.21	< 10	< 1	0.09	< 10	0.46	305	2
BB03368	201	202	< 0.2	1.41	< 2	100	< 0.5	< 2	0.24	< 0.5	5	8	21	1.61	< 10	< 1	0.10	10	0.37	240	2
BB03369	201	202	0.2	1.44	2	100	< 0.5	< 2	0.16	< 0.5	6	15	28	2.02	< 10	< 1	0.13	< 10	0.62	220	6
BB03370	201	202	< 0.2	1.95	2	110	< 0.5	< 2	0.43	< 0.5	13	29	32	3.13	< 10	< 1	0.25	10	1.20	545	1
BB03371	201	202	< 0.2	1.72	10	90	< 0.5	< 2	0.54	< 0.5	15	32	22	2.93	< 10	< 1	0.16	10	1.10	695	1
BB03372	201	202	< 0.2	2.09	< 2	120	< 0.5	2	0.38	< 0.5	14	39	26	3.19	< 10	< 1	0.24	10	1.19	670	2
BB03373	201	202	< 0.2	1.45	18	110	< 0.5	2	0.22	< 0.5	10	18	35	2.85	< 10	< 1	0.10	10	0.58	530	8
BB03374	201	202	0.6	1.89	14	220	< 0.5	2	0.48	1.5	21	50	107	4.14	< 10	< 1	0.20	30	1.23	785	4
BB03375	201	202	0.6	2.02	16	610	0.5	4	0.26	0.5	28	85	154	6.81	< 10	< 1	0.34	40	1.07	525	11

CERTIFICATION: Hart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

Project : SHUTOUT
Comments:

Certificate Date: 29-AUG-96
Invoice No. : I9628977
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9628977

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
BB03335	201	202	< 0.01	8	660	38	< 2	3	26	0.06	< 10	< 10	31	< 10	66
BB03336	201	202	< 0.01	7	480	20	< 2	3	31	0.06	< 10	< 10	33	< 10	56
BB03338	201	202	< 0.01	11	720	12	< 2	2	16	0.06	< 10	< 10	39	< 10	56
BB03339	201	202	< 0.01	5	380	16	< 2	< 1	7	0.03	< 10	< 10	43	< 10	48
BB03340	201	202	< 0.01	8	370	8	2	1	6	0.05	< 10	< 10	34	< 10	48
BB03341	201	202	< 0.01	6	510	4	< 2	1	9	0.05	< 10	< 10	29	< 10	62
BB03342	201	202	< 0.01	8	490	10	< 2	1	12	0.06	< 10	< 10	27	< 10	62
BB03343	201	202	< 0.01	9	490	8	< 2	1	14	0.11	< 10	< 10	40	< 10	74
BB03344	201	202	< 0.01	7	500	14	< 2	3	13	0.02	< 10	< 10	21	< 10	44
BB03345	201	202	< 0.01	9	750	12	< 2	1	17	0.05	< 10	< 10	29	< 10	62
BB03346	201	202	< 0.01	7	440	10	< 2	1	16	0.08	< 10	< 10	29	< 10	44
BB03347	201	202	0.01	13	710	16	< 2	2	15	0.06	< 10	< 10	31	< 10	56
BB03348	201	202	0.01	4	660	6	< 2	< 1	10	0.04	< 10	< 10	21	< 10	28
BB03349	201	202	0.01	4	450	12	< 2	< 1	9	0.04	< 10	< 10	23	< 10	24
BB03350	201	202	< 0.01	13	840	14	< 2	3	20	0.06	< 10	< 10	31	< 10	68
BB03351	201	202	< 0.01	14	570	8	2	2	19	0.06	< 10	< 10	30	< 10	50
BB03352	201	202	0.01	9	620	22	< 2	1	17	0.06	< 10	< 10	25	< 10	68
BB03353	201	202	0.02	6	680	6	< 2	< 1	12	0.03	< 10	< 10	21	< 10	34
BB03354	201	202	0.01	12	740	12	< 2	1	16	0.03	< 10	< 10	31	< 10	54
BB03355	201	202	0.01	12	760	8	< 2	2	19	0.06	< 10	< 10	27	< 10	56
BB03356	201	202	< 0.01	13	640	8	< 2	2	20	0.07	< 10	< 10	30	< 10	50
BB03357	201	202	< 0.01	14	590	24	< 2	2	19	0.07	< 10	< 10	34	< 10	84
BB03358	201	202	< 0.01	14	650	18	< 2	3	22	0.07	< 10	< 10	36	< 10	60
BB03359	201	202	0.01	16	690	22	< 2	3	21	0.07	< 10	< 10	38	< 10	66
BB03360	201	202	< 0.01	13	660	30	< 2	3	22	0.07	< 10	< 10	30	< 10	84
BB03361	201	202	< 0.01	13	540	36	< 2	2	19	0.06	< 10	< 10	29	< 10	90
BB03362	201	202	< 0.01	18	540	14	< 2	1	17	0.06	< 10	< 10	29	< 10	58
BB03363	201	202	< 0.01	13	620	8	2	3	23	0.07	< 10	< 10	31	< 10	52
BB03364	201	202	< 0.01	11	600	10	< 2	2	28	0.08	< 10	< 10	29	< 10	54
BB03365	201	202	0.03	6	590	14	< 2	2	19	0.02	< 10	< 10	24	< 10	56
BB03366	201	202	< 0.01	8	530	22	< 2	2	31	0.05	< 10	< 10	29	< 10	68
BB03367	201	202	< 0.01	5	350	10	< 2	1	17	0.03	< 10	< 10	27	< 10	44
BB03368	201	202	< 0.01	4	390	8	< 2	1	22	0.04	< 10	< 10	25	< 10	36
BB03369	201	202	0.02	5	620	8	< 2	1	18	0.06	< 10	< 10	31	< 10	32
BB03370	201	202	0.01	15	580	22	< 2	5	32	0.13	< 10	< 10	45	< 10	88
BB03371	201	202	< 0.01	11	470	14	2	6	38	0.13	< 10	< 10	53	< 10	70
BB03372	201	202	< 0.01	24	610	18	< 2	4	30	0.15	< 10	< 10	47	< 10	92
BB03373	201	202	0.01	14	870	34	< 2	4	18	0.05	< 10	< 10	41	< 10	106
BB03374	201	202	< 0.01	43	1020	138	< 2	5	39	0.20	< 10	< 10	66	< 10	270
BB03375	201	202	< 0.01	68	1690	28	< 2	6	61	0.23	< 10	< 10	90	< 10	190

CERTIFICATION: Ivan Bruckler

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 : SHUTOUT
Comments:

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Certificate Date: 29-AUG-96
Invoice No. :I9628977
P.O. Number :
Account :MPO

CERTIFICATE OF ANALYSIS A9628977

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
BB03376	201	202	< 0.2	2.42	6	130	< 0.5	< 2	0.29	< 0.5	16	127	27	3.86	< 10	< 1	0.38	10	1.54	1630	1
BB03377	201	202	< 0.2	1.83	6	110	< 0.5	< 2	0.31	< 0.5	12	48	25	2.95	< 10	< 1	0.27	10	1.06	535	1
BB03378	201	202	0.2	1.70	2	70	< 0.5	< 2	0.27	< 0.5	12	32	31	2.60	< 10	< 1	0.23	10	0.89	465	1
BB03379	201	202	< 0.2	1.07	< 2	50	< 0.5	< 2	0.31	< 0.5	7	20	10	1.53	< 10	< 1	0.20	10	0.58	335	1
BB03380	201	202	< 0.2	1.98	2	120	< 0.5	< 2	0.51	< 0.5	17	37	44	3.42	< 10	< 1	0.40	10	1.22	525	1
BB03381	201	202	< 0.2	2.24	< 2	140	< 0.5	< 2	0.47	< 0.5	17	24	165	3.65	< 10	< 1	0.47	10	1.30	605	1
BB03382	201	202	< 0.2	1.73	10	100	< 0.5	< 2	0.30	< 0.5	12	27	33	2.54	< 10	< 1	0.09	20	0.61	405	1
BB03383	201	202	< 0.2	1.39	< 2	100	< 0.5	< 2	0.19	< 0.5	7	17	9	2.00	< 10	< 1	0.19	10	0.41	480	< 1
BB03384	201	202	< 0.2	1.80	4	80	< 0.5	< 2	0.21	< 0.5	4	18	29	2.17	< 10	< 1	0.11	< 10	0.51	145	2
BB03385	201	202	0.6	1.73	38	170	< 0.5	2	0.30	< 0.5	10	29	50	3.63	< 10	< 1	0.11	30	0.57	265	19
BB03386	201	202	< 0.2	1.42	6	80	< 0.5	< 2	0.25	< 0.5	8	19	9	2.54	< 10	< 1	0.08	< 10	0.47	395	4
BB03387	201	202	< 0.2	1.05	10	90	< 0.5	< 2	0.15	< 0.5	6	11	9	2.29	< 10	< 1	0.14	< 10	0.29	270	2
BB03388	201	202	1.0	1.22	64	180	< 0.5	< 2	0.07	0.5	22	23	114	5.45	< 10	< 1	0.11	30	0.54	675	10
BB03389	201	202	0.8	0.78	50	230	< 0.5	< 2	0.06	< 0.5	19	22	97	5.39	< 10	< 1	0.10	30	0.42	555	6
BB03390	201	202	0.6	0.98	38	280	< 0.5	< 2	0.06	< 0.5	13	21	80	4.87	< 10	1	0.07	10	0.70	450	5
BB03391	201	202	0.8	0.58	76	140	< 0.5	< 2	< 0.01	< 0.5	13	11	112	4.98	< 10	< 1	0.11	40	0.05	285	5

CERTIFICATION: Ian Bachlet

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 : SHUTOUT
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Certificate Date: 29-AUG-96
Invoice No. : I9628977
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9628977

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
BB03376	201	202	< 0.01	30	400	48	< 2	3	22	0.13	< 10	< 10	44	< 10	142
BB03377	201	202	< 0.01	18	550	14	< 2	3	24	0.12	< 10	< 10	39	< 10	72
BB03378	201	202	< 0.01	14	440	46	2	2	26	0.12	< 10	< 10	33	< 10	78
BB03379	201	202	< 0.01	8	330	24	< 2	2	33	0.10	< 10	< 10	22	< 10	34
BB03380	201	202	< 0.01	22	840	2	< 2	5	37	0.13	< 10	< 10	47	< 10	52
BB03381	201	202	< 0.01	14	670	6	2	5	38	0.15	< 10	< 10	54	< 10	70
BB03382	201	202	< 0.01	24	780	10	< 2	3	23	0.08	< 10	< 10	44	< 10	82
BB03383	201	202	< 0.01	8	1000	14	< 2	1	20	0.07	< 10	< 10	31	< 10	44
BB03384	201	202	< 0.01	5	360	10	< 2	2	25	0.08	< 10	< 10	39	< 10	28
BB03385	201	202	0.01	21	730	96	< 2	4	22	0.04	< 10	< 10	52	< 10	170
BB03386	201	202	< 0.01	6	310	18	< 2	3	30	0.07	< 10	< 10	75	< 10	40
BB03387	201	202	0.01	5	520	20	< 2	1	23	0.10	< 10	< 10	47	< 10	44
BB03388	201	202	< 0.01	44	1250	156	4	4	16	0.01	< 10	< 10	63	< 10	230
BB03389	201	202	< 0.01	49	1150	210	< 2	3	12	0.01	< 10	< 10	32	< 10	232
BB03390	201	202	< 0.01	37	890	184	< 2	3	9	< 0.01	< 10	< 10	30	< 10	206
BB03391	201	202	< 0.01	59	990	52	< 2	1	14	< 0.01	< 10	< 10	25	< 10	266

CERTIFICATION: Ian Bichler

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Certificate Date: 29-AUG-96
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P.O. Number :
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CERTIFICATE OF ANALYSIS A9628974

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
N110028	205	226	< 5	< 0.2	0.77	< 2	130	< 0.5	< 2	0.47	< 0.5	3	106	18	2.16	< 10	1	0.18	< 10	0.35	75
N110029	205	226	< 5	0.2	0.26	32	30	< 0.5	< 2	0.21	< 0.5	18	91	7	7.36	< 10	< 1	0.12	< 10	0.07	20
N110030	205	226	50	1.6	0.31	10	10	< 0.5	2	0.04	< 0.5	13	120	< 1	10.45	< 10	< 1	0.21	< 10	0.04	15
N110031	205	226	20	< 0.2	0.89	10	50	< 0.5	< 2	0.71	< 0.5	29	124	12	4.05	< 10	< 1	0.17	< 10	0.25	45
N110051	205	226	< 5	0.4	1.62	4	190	< 0.5	< 2	5.98	0.5	17	109	99	1.95	< 10	< 1	0.01	< 10	0.69	1115
N110052	205	226	< 5	0.2	0.26	10	50	< 0.5	< 2	>15.00	2.5	7	22	40	0.52	< 10	1	0.01	< 10	0.17	1045
N110053	205	226	70	24.2	0.43	14	60	< 0.5	52	3.79	>100.0	225	43	247	4.21	< 10	28	< 0.01	< 10	0.14	3620
N110055	205	226	10	0.8	0.10	8	90	< 0.5	< 2	0.32	9.0	8	134	37	1.41	< 10	1	0.06	< 10	0.01	740
N110056	205	226	25	0.4	0.39	22	60	< 0.5	< 2	0.05	1.5	10	184	89	3.69	< 10	< 1	0.03	< 10	0.16	205
N110057	205	226	< 5	< 0.2	0.85	< 2	130	< 0.5	< 2	0.51	2.0	7	90	9	0.87	< 10	1	0.33	10	0.23	450
N110058	205	226	< 5	2.4	1.14	6	170	< 0.5	< 2	0.78	3.0	< 1	98	79	1.96	< 10	< 1	0.35	10	0.08	3780
N110059	205	226	< 5	0.8	0.97	4	200	< 0.5	< 2	0.39	< 0.5	1	124	78	2.85	< 10	< 1	0.45	20	0.13	1245
N110060	205	226	< 5	6.4	1.74	< 2	130	< 0.5	10	0.64	20.0	3	61	453	6.10	< 10	1	0.50	20	0.33	4540
N110061	205	226	< 5	8.6	1.72	6	100	< 0.5	12	0.95	9.0	3	53	328	4.04	< 10	< 1	0.21	10	0.39	4220
N110062	205	226	< 5	14.2	1.67	2	20	< 0.5	28	0.94	54.0	8	73	693	7.67	< 10	< 1	0.13	10	0.40	4340
N110063	205	226	< 5	9.4	0.81	2	140	< 0.5	16	0.53	0.5	< 1	88	186	5.89	< 10	3	0.38	< 10	0.05	4740
N110064	205	226	< 5	3.6	1.92	6	80	< 0.5	< 2	1.27	45.0	10	105	257	3.45	< 10	1	0.10	20	0.56	6170

CERTIFICATION: Hart Bichler

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CERTIFICATE OF ANALYSIS A9628974

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
N110028	205	226	1	0.01	4	380	2	< 2	3	45	0.14	< 10	< 10	24	< 10	12
N110029	205	226	7	0.01	6	220	72	< 2	1	11	0.09	< 10	< 10	18	< 10	2
N110030	205	226	3	< 0.01	7	160	122	< 2	< 1	4	0.10	< 10	< 10	8	< 10	2
N110031	205	226	4	0.01	15	330	2	< 2	3	72	0.13	< 10	< 10	25	< 10	10
N110051	205	226	1	< 0.01	51	1090	8	< 2	3	73	0.22	< 10	< 10	54	< 10	94
N110052	205	226	< 1	< 0.01	18	400	46	2	< 1	283	0.05	< 10	< 10	6	< 10	174
N110053	205	226	< 1	< 0.01	9	940	1150	4	< 1	16	0.14	< 10	< 10	8	< 10	>10000
N110055	205	226	2	< 0.01	16	120	100	< 2	< 1	14	< 0.01	< 10	< 10	3	< 10	1225
N110056	205	226	2	< 0.01	25	220	24	< 2	1	1	< 0.01	< 10	< 10	15	< 10	182
N110057	205	226	< 1	0.01	5	220	54	< 2	2	53	0.07	< 10	< 10	15	< 10	678
N110058	205	226	9	< 0.01	1	200	2850	< 2	2	115	0.05	< 10	< 10	10	< 10	496
N110059	205	226	4	< 0.01	1	190	1555	< 2	3	79	0.06	< 10	< 10	15	< 10	192
N110060	205	226	35	< 0.01	1	220	8820	< 2	3	88	0.08	< 10	< 10	21	< 10	3960
N110061	205	226	23	< 0.01	1	140	7890	< 2	2	154	0.06	< 10	< 10	29	< 10	2010
N110062	205	226	38	< 0.01	3	110	>10000	< 2	1	144	0.05	< 10	< 10	27	< 10	>10000
N110063	205	226	30	< 0.01	< 1	240	>10000	< 2	2	89	0.09	< 10	< 10	24	< 10	318
N110064	205	226	19	< 0.01	5	210	>10000	< 2	2	153	0.09	< 10	< 10	35	< 10	8930

CERTIFICATION: Hart Bichler

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P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9627855

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
N110013	205	226	10	0.8	0.91	42	100	< 0.5	< 2	12.70	>100.0	31	69	28	10.30	< 10	10	0.08	< 10	0.25	5470
N110014	205	226	105	57.4	0.85	30	110	< 0.5	922	10.35	>100.0	80	88	58	8.33	< 10	11	< 0.01	< 10	0.12	6700
N110015	205	226	15	34.8	0.65	24	400	< 0.5	870	12.00	>100.0	42	83	226	10.65	< 10	6	< 0.01	< 10	0.14	6530
N110016	205	226	< 5	1.4	0.54	44	60	< 0.5	32	12.05	100.0	23	92	11	10.15	< 10	1	< 0.01	< 10	0.11	4390
N110017	205	226	< 5	0.6	1.71	2	120	< 0.5	8	5.93	37.5	14	112	20	1.81	< 10	< 1	0.01	10	1.02	1095
N110018	205	226	< 5	0.4	3.09	4	80	< 0.5	4	2.83	18.5	31	190	72	3.84	10	< 1	0.01	10	3.05	1550
N110019	205	226	10	54.8	0.52	8	160	< 0.5	142	>15.00	>100.0	36	22	21	4.85	< 10	4	< 0.01	< 10	0.17	6260
N110020	205	226	< 5	5.4	0.81	12	140	< 0.5	14	12.75	93.0	24	73	13	8.39	< 10	1	< 0.01	< 10	0.12	7310
N110021	205	226	< 5	5.8	0.59	8	270	< 0.5	16	>15.00	>100.0	26	47	26	6.13	< 10	4	0.02	< 10	0.19	5270
N110022	205	226	45	42.4	0.66	26	150	< 0.5	94	9.08	>100.0	110	48	899	3.04	< 10	16	0.01	< 10	0.27	4890
N110023	205	226	< 5	1.6	0.58	< 2	180	< 0.5	4	4.94	64.0	18	45	41	0.84	< 10	< 1	< 0.01	< 10	0.97	1130
N110024	205	226	< 5	0.4	0.80	< 2	110	< 0.5	< 2	5.09	13.0	7	65	9	1.06	< 10	< 1	< 0.01	< 10	0.51	1110
N110025	205	226	60	0.8	0.69	34	110	< 0.5	18	11.05	60.0	43	78	93	11.45	< 10	1	< 0.01	< 10	0.07	4310
N110026	205	226	< 5	0.2	1.61	< 2	210	0.5	10	4.76	0.5	8	106	27	1.82	< 10	< 1	< 0.01	10	0.51	1125
N110027	205	226	< 5	< 0.2	0.96	< 2	60	< 0.5	2	2.68	0.5	23	104	16	1.24	< 10	< 1	< 0.01	10	0.23	275

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Certificate Date: 21-AUG-96
Invoice No. : I9627855
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9627855

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
N110013	205	226	< 1	< 0.01	16	300	6	8	1	90	0.04	< 10	< 10	32	< 10	>10000
N110014	205	226	< 1	< 0.01	10	320	1145	6	1	16	0.04	< 10	< 10	18	< 10	>10000
N110015	205	226	< 1	< 0.01	12	280	674	6	1	14	0.04	< 10	< 10	16	< 10	>10000
N110016	205	226	< 1	< 0.01	7	330	40	6	1	12	0.04	< 10	< 10	12	< 10	9870
N110017	205	226	< 1	< 0.01	46	960	24	< 2	3	181	0.43	< 10	< 10	65	< 10	2730
N110018	205	226	< 1	< 0.01	118	1530	32	2	4	89	0.34	< 10	< 10	83	< 10	2020
N110019	205	226	< 1	< 0.01	9	320	3890	8	< 1	133	0.03	< 10	< 10	16	< 10	>10000
N110020	205	226	< 1	< 0.01	7	270	302	8	1	52	0.02	< 10	< 10	22	< 10	9660
N110021	205	226	< 1	< 0.01	10	350	284	6	< 1	104	0.04	< 10	< 10	19	< 10	>10000
N110022	205	226	< 1	< 0.01	16	850	1860	8	1	75	0.09	< 10	< 10	24	20	>10000
N110023	205	226	< 1	< 0.01	20	1690	66	< 2	1	144	0.13	< 10	< 10	23	< 10	3690
N110024	205	226	< 1	< 0.01	19	1680	24	4	2	137	0.14	< 10	< 10	29	< 10	1225
N110025	205	226	< 1	< 0.01	16	800	16	6	1	79	0.13	< 10	< 10	38	30	3650
N110026	205	226	< 1	< 0.01	54	380	12	4	5	148	0.48	< 10	< 10	215	< 10	104
N110027	205	226	< 1	< 0.01	117	360	6	< 2	3	133	0.28	< 10	< 10	38	< 10	62

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P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9626575

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
BB07014	201	202	< 0.2	1.50	2	230	< 0.5	< 2	0.45	< 0.5	6	8	17	1.76	< 10	1	0.10	10	0.33	200	4
BB07015	201	202	< 0.2	1.39	2	160	< 0.5	< 2	0.48	< 0.5	11	14	37	2.23	< 10	< 1	0.17	10	0.56	285	2
BB07016	201	202	< 0.2	1.39	< 2	80	< 0.5	< 2	0.31	< 0.5	5	9	25	1.57	< 10	< 1	0.11	10	0.32	150	1
BB07017	201	202	< 0.2	0.77	< 2	60	< 0.5	< 2	0.16	< 0.5	7	5	9	1.35	< 10	1	0.11	10	0.24	345	1
BB07018	201	202	< 0.2	0.93	2	110	< 0.5	< 2	0.17	< 0.5	6	5	10	1.14	< 10	< 1	0.14	10	0.19	350	1
BB07019	201	202	< 0.2	0.70	< 2	130	< 0.5	< 2	0.18	< 0.5	5	9	7	1.05	< 10	< 1	0.13	10	0.13	545	1
BB07020	201	202	0.2	0.57	< 2	40	< 0.5	< 2	0.04	< 0.5	1	2	1	0.39	< 10	< 1	0.05	< 10	0.03	115	< 1
BB07021	201	202	0.2	0.96	< 2	90	< 0.5	< 2	0.13	< 0.5	6	7	10	1.40	< 10	< 1	0.10	< 10	0.38	265	< 1
BB07022	201	202	< 0.2	1.63	< 2	60	< 0.5	< 2	0.13	< 0.5	8	10	14	2.22	< 10	< 1	0.15	< 10	0.76	345	< 1
BB07023	201	202	< 0.2	1.40	< 2	60	< 0.5	< 2	0.23	< 0.5	10	10	24	2.05	< 10	< 1	0.20	10	0.77	375	1
BB07024	201	202	< 0.2	1.39	< 2	70	< 0.5	< 2	0.25	< 0.5	9	10	14	2.25	< 10	< 1	0.12	10	0.60	375	1
BB07025	201	202	< 0.2	2.12	< 2	100	< 0.5	< 2	0.35	< 0.5	15	16	16	3.23	< 10	< 1	0.24	10	1.03	540	< 1
BB07026	201	202	< 0.2	1.45	2	140	< 0.5	< 2	0.44	< 0.5	13	13	14	2.36	< 10	< 1	0.17	10	0.69	445	< 1
BB07027	201	202	< 0.2	1.67	< 2	110	< 0.5	< 2	0.36	< 0.5	11	13	23	2.21	< 10	< 1	0.17	10	0.62	605	< 1
BB07028	201	202	< 0.2	1.69	6	100	< 0.5	< 2	0.46	< 0.5	11	18	17	2.28	< 10	< 1	0.15	20	0.63	475	< 1
BB07029	201	202	< 0.2	1.44	2	100	< 0.5	< 2	0.47	< 0.5	11	7	24	1.79	< 10	< 1	0.19	10	0.53	585	< 1
BB07030	201	202	< 0.2	2.10	2	80	< 0.5	< 2	0.36	< 0.5	10	22	20	2.71	< 10	< 1	0.20	10	0.90	430	< 1
BB07031	201	202	< 0.2	1.60	4	80	< 0.5	< 2	0.32	< 0.5	9	17	14	2.36	< 10	< 1	0.12	10	0.55	310	< 1
BB07032	201	202	< 0.2	1.92	4	120	< 0.5	< 2	0.34	< 0.5	10	23	25	2.41	< 10	< 1	0.11	20	0.50	390	< 1
BB07033	201	202	< 0.2	1.91	6	170	0.5	< 2	0.26	< 0.5	12	18	49	2.17	< 10	< 1	0.12	20	0.52	350	< 1
BB07034	201	202	< 0.2	1.43	8	90	< 0.5	< 2	0.30	< 0.5	13	16	57	1.98	< 10	< 1	0.11	20	0.45	455	< 1
BB07035	201	202	< 0.2	1.42	4	80	< 0.5	2	0.20	< 0.5	7	11	25	1.65	< 10	< 1	0.12	< 10	0.25	275	1
BB07036	201	202	< 0.2	2.17	10	130	0.5	2	0.16	< 0.5	11	24	51	2.79	< 10	< 1	0.10	20	0.53	645	1
BB07037	201	202	< 0.2	1.50	4	80	< 0.5	2	0.21	< 0.5	9	16	36	2.02	< 10	< 1	0.10	10	0.39	345	< 1

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Project : SHUTOUT
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Invoice No. : I9626575
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9626575

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
BB07014	201	202	< 0.01	4	240	8	< 2	3	37	0.06	< 10	< 10	27	< 10	30
BB07015	201	202	< 0.01	8	380	10	< 2	3	39	0.10	< 10	< 10	39	< 10	46
BB07016	201	202	< 0.01	3	270	10	< 2	1	31	0.06	< 10	< 10	30	< 10	30
BB07017	201	202	0.01	3	290	10	< 2	< 1	16	0.01	< 10	< 10	18	< 10	28
BB07018	201	202	0.01	3	460	12	2	< 1	15	0.01	< 10	< 10	15	< 10	26
BB07019	201	202	0.01	4	640	10	< 2	< 1	14	< 0.01	< 10	< 10	18	< 10	30
BB07020	201	202	0.03	< 1	320	< 2	< 2	< 1	7	< 0.01	< 10	< 10	9	< 10	10
BB07021	201	202	0.01	4	320	6	6	< 1	11	0.03	< 10	< 10	22	< 10	40
BB07022	201	202	< 0.01	5	320	8	< 2	1	11	0.08	< 10	< 10	31	< 10	60
BB07023	201	202	< 0.01	7	570	10	2	1	12	0.07	< 10	< 10	30	< 10	60
BB07024	201	202	< 0.01	7	360	6	< 2	1	21	0.08	< 10	< 10	33	< 10	60
BB07025	201	202	< 0.01	10	500	14	< 2	2	23	0.12	< 10	< 10	45	< 10	74
BB07026	201	202	< 0.01	9	460	12	< 2	3	30	0.09	< 10	< 10	37	< 10	58
BB07027	201	202	< 0.01	9	660	12	< 2	3	29	0.08	< 10	< 10	36	< 10	68
BB07028	201	202	< 0.01	12	760	12	4	3	37	0.09	< 10	< 10	39	< 10	76
BB07029	201	202	< 0.01	6	560	14	2	3	52	0.09	< 10	< 10	30	< 10	58
BB07030	201	202	< 0.01	13	730	10	2	3	33	0.11	< 10	< 10	46	< 10	66
BB07031	201	202	< 0.01	10	510	10	< 2	1	31	0.09	< 10	< 10	41	< 10	52
BB07032	201	202	< 0.01	15	730	8	6	2	32	0.07	< 10	< 10	46	< 10	62
BB07033	201	202	0.01	15	740	14	8	3	23	0.06	< 10	< 10	38	< 10	70
BB07034	201	202	< 0.01	16	630	12	< 2	2	23	0.06	< 10	< 10	32	< 10	68
BB07035	201	202	< 0.01	7	590	8	< 2	< 1	23	0.04	< 10	< 10	27	< 10	44
BB07036	201	202	< 0.01	16	660	18	< 2	1	17	0.03	< 10	< 10	48	< 10	74
BB07037	201	202	< 0.01	11	610	10	< 2	1	19	0.05	< 10	< 10	31	< 10	56

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Invoice No. : I9626382
P.O. Number :
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CERTIFICATE OF ANALYSIS A9626382

SAMPLE	PREP CODE		Au ppb FA+AA	Zn %	Sn %	Ge %	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 %
N110328	205	226	90	23.8	< 0.01	< 0.001	4.4	0.48	36	10	< 0.5	16	4.52	>100.0	273	60	21	5.07	< 10	27	< 0.01

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CERTIFICATE OF ANALYSIS A9626382

SAMPLE	PREP CODE		La ppm	Mg %	Mn ppm	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
N110328	205	226	< 10	0.09	4610	< 1	< 0.01	10	350	12	8	1	< 1	0.07	< 10	< 10	6	< 10	>10000

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Project : F.P.SHUTOUT
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Invoice No. :I9612378
P.O. Number :
Account :MPO

CERTIFICATE OF ANALYSIS A9612378

SAMPLE	PREP CODE		Au ppb FA+AA
T35439	244	--	< 5
T35440	244	--	< 5
T35441	244	--	< 5
T35442	244	--	< 5
T35443	244	--	< 5
T35444	244	--	< 5
T35445	244	--	< 5
T35446	244	--	< 5
T35447	244	--	< 5
T35448	244	--	< 5
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T35460	244	--	< 5
T35461	244	--	< 5
T35462	--	--	not/ss
T35463	244	--	< 5
T35464	244	--	< 5
T35465	244	--	< 5
T35466	244	--	< 5
T35467	244	--	< 5
T35468	244	--	< 5
T35469	244	--	< 5
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T35471	244	--	< 5
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T35474	244	--	< 5
T35475	244	--	< 5
T35476	244	--	< 5
T35477	244	--	< 5
T35478	244	--	< 5

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SAMPLE	PREP CODE		Au ppb FA+AA
T35479	244	--	< 5
T35480	244	--	< 5
T35481	244	--	< 5
T35482	244	--	< 5
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T35484	244	--	< 5
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T36219	244	--	< 5
T36220	244	--	< 5
T36221	244	--	< 5
T36222	244	--	< 5
T36223	244	--	< 5

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SAMPLE	PREP CODE	Au ppb FA+AA
T36224	244 --	< 5
T36225	244 --	< 5
T36226	244 --	< 5
T36227	244 --	< 5
T36228	244 --	< 5
T36229	244 --	< 5
T36230	244 --	< 5
T36231	244 --	< 5
T36232	244 --	< 5
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T36259	244 --	< 5
T36260	244 --	< 5
T36261	244 --	< 5
T36262	244 --	< 5
T36263	244 --	< 5

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SAMPLE	PREP CODE		Au ppb FA+AA									
T36264	244	--	< 5									
T36265	244	--	< 5									
T36266	244	--	< 5									
T36267	244	--	< 5									
T36268	244	--	< 5									
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T36286	244	--	< 5									
T36287	244	--	< 5									
T36288	244	--	< 5									
T36289	244	--	< 5									

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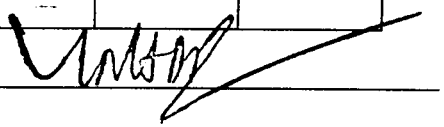
CERTIFICATION: 

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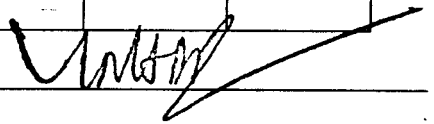
CERTIFICATION: 

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T36301	244 --	< 5
T36302	244 --	< 5
T36303	244 --	< 5

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T35645	244 --	20
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T35647	244 --	< 5

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SAMPLE	PREP CODE	Au ppb FA+AA
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T35725	244 --	< 5
T35726	244 --	< 5
T35727	244 --	< 5

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SAMPLE	PREP CODE	Au ppb FA+AA
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T35730	244 --	< 5
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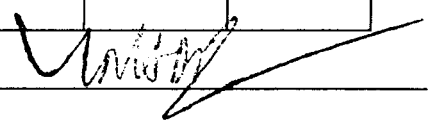
CERTIFICATION: 

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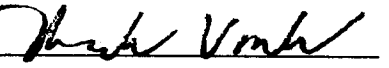
CERTIFICATION: 

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CERTIFICATION:

From: "Plouffe, Alain" <APlouffe@NRCan.gc.ca>
To: "'Hunt, Julie'" <HuntJ@inac.gc.ca>
Date: 1/19/98 10:19am
Subject: pictures for poster

Julie,

Here are the pictures for your poster. They are JPEG files.

hddgpt.JPG

Example of a hand-dug pit, in this case the sample was collected directly on permafrost.

rdsdst.jpg
Example of a sampling on a road-side section.

stply.jpg
Example of a natural bluff along Pelly River, where till was sampled. In this case, till is overlain by glaciofluvial sediments.

Good luck,

Alain

CC: "'ijnkzgrfx@yknet.yk.ca'" <ijnkzgrfx@yknet.yk.ca>

Additional photo captions

Example of a hand dug pit used for sampling glacial drift.

An example of sampling on a road-side section

Till, overlain by glaciofluvial sediments, was sampled in a natural bluff along Pelly River.

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MEMO

TO: Bill Wengzynowski, Doug Eaton / Expatriate Resources Ltd.

FROM: Lee Pigage / L.C. Pigage Consulting Limited

DATE: January 20, 1998

SUBJECT: Shutout Geology

INTRODUCTION

The Shutout property was staked by Expatriate Resources Ltd. In 1995 to cover soil geochemical anomalies in Yukon-Tanana stratigraphy. Exploration activity in 1995 (Wengzynowski, 1996) and 1996 (Burgert, 1997) consisted of airborne magnetic and electromagnetic geophysical surveys, geologic mapping, prospecting, gridded soil sampling, contour soil sampling, and claim line soil sampling. This exploration work outlined several soil geochemical anomalies and located a number of small mineral occurrences at different stratigraphic and structural levels on the property. The Shutout property is considered favorable for volcanogenic massive sulphide mineralization.

In 1997 the exploration program consisted of geologic mapping, prospecting, gridded soil sampling, contour soil sampling, and hand trenching. During the interval July 27-August 7, 1997 I conducted a geologic mapping program on the Shutout property consisting of ten traverses. Mapping was completed on a base scale of 1:10,000. This report describes the property geology. The Shutout stratigraphy is also compared to that on the Hat Trick (Pigage, 1998) and Fyre Lake properties (Hunt and Murphy, personal communication 1998).

PREVIOUS REGIONAL WORK

The first GSC regional geologic mapping on the Shutout property was completed by Wheeler, Green, and Roddick (1960). In the 1970's Tempelman-Kluit (1977, 1979) identified the geology of the Shutout area as forming part of the Money klippe, a large scale structure consisting of three stacked allochthons (Nisutlin, Anvil, Simpson) which were rooted in the Teslin suture zone and were displaced some 125 kilometres eastward as a result of continent-arc collision in the Mesozoic. Various studies by Erdmer (1981, 1985), Mortensen (1983, 1992), Mortensen and Jilson (1985), and Grant (1997) have discussed the geology, geochronology, and geochemistry of the Money klippe on the Shutout and Fyre Lake properties. Recent work by Julie Hunt and Don Murphy (personal communication, 1998) has correlated the stratigraphy from these properties with regional work completed by Murphy (1997) and Murphy and Timmerman (1997) in adjacent areas.

PROPERTY GEOLOGY

INTRODUCTION

The Shutout property contains a stratigraphic sequence consisting of two major groups of lithologies, a lower quartzite package and an upper mafic volcanic greenstone package. The lower quartzite package ranges from 330 metres to 400 metres in thickness and consists largely of quartzites with lesser felsic volcanics, mafic volcanics, and marble. The upper greenstone package ranges from 200 metres to 385 metres in thickness. It is composed largely of chloritic phyllites with lesser pale green cherts and white marble. This entire sequence is correlated with Unit 1 (lower quartzite package) and Unit 2 (upper greenstone package) of the Yukon-Tanana terrane as mapped by Murphy and Timmerman (1997) and Murphy (1997).

The metasediments and metavolcanics are floored (and intruded) by foliated granodiorite of the Devonian Simpson Range plutonic suite. Thrust on top of the stratigraphic sequence is an intrusive suite of pyroxenite, gabbro, diorite, and granodiorite, all part of the Devonian Simpson Range plutonic suite. Units within this overthrust panel are largely unfoliated.

Two deformation foliations are present within the stratigraphic units and the underlying intrusive. The phase 1 fabric is a pervasive slaty cleavage which is approximately parallel to compositional banding. The phase 2 fabric is a spaced fracture cleavage to crenulation cleavage. Minor structures related to these fabrics were noted only rarely. Stratigraphic units in the Shutout area are structurally upright and dip moderately to the north.

Figure 1 is the geology map for the Shutout claims. Figure 2 contains the stratigraphic column corresponding to the geologic map. The various stratigraphic and intrusive units are discussed further in the following sections.

STRATIGRAPHY

STRATIGRAPHIC UNITS - Lower quartzite package

QUARTZITE (MSQZ)

The dominant lithology in the sedimentary package is a noncalcareous, slightly micaceous quartzite (MSQZ). The quartzite is generally massive with minor fine sericite occurring on thin anastomosing micaceous partings. Overall the quartzite is white, grey, or tan. The micaceous partings weather silvery grey to patchy brown. Locally this unit contains minor fine disseminated pyrite which causes the quartzite to weather with patchy to uniform rust brown, yellow, or orange colors.

The lowermost part of the quartzite sequence contains at least one interval of quartz pebble conglomerate. The conglomerate contains highly elongate quartz pebbles up to 2cm long. The same general interval also contains massive, tan quartzites with thin grey laminae defining cross bedding.

Scattered throughout the quartzite sequence are intervals up to 20 metres thick of orange brown weathering muscovite-quartz phyllite. The phyllite typically contains minor disseminated pyrite. Commonly this phyllite weathers recessively with a strong jarosite surface coating. This lithology has been interpreted as felsic volcanics.

The uppermost part of the quartzite sequence contains one or more intervals of dark green chloritic phyllite with thicknesses ranging up to 15 metres. Locally this phyllite is moderately to strongly quartz-carbonate altered; the altered variant weathers to a pale tan. The chloritic phyllite is considered to represent mafic volcanic flows.

The upper part of the quartzite sequence also contains intervals of pale silvery green muscovite-chlorite phyllite. This phyllite weathers tan to silvery grey with patchy rust brown surface coatings. Thicknesses for phyllite intervals range up to 4 metres.

CARBONACEOUS QUARTZITE (GRQZ)

Intervals of dark grey to black carbonaceous quartzite (GRQZ) occur at various stratigraphic levels within the lower quartzite package. Generally these quartzites are very pure with only minor micas along anastomosing partings which have a dark to

silvery grey micaceous sheen. The quartzite weathers with a patchy dark brown surface coating.

One of these units occurs stratigraphically near the middle of the lower quartzite package and is readily mappable at 10,000 scale. This carbonaceous unit ranges from 15 metres to 70 metres in thickness.

CALC-SILICATE MARBLE (qzMB)

The lower quartzite package also contains an interval of calc-silicate marble which locally ranges up to 30 metres in thickness. This marble is not present in all areas of the property. It is strongly laminated with thin streaks of dark grey marble within an overall light grey marble. The marble contains abundant lenses and bands of calc-silicate which constitute from 2% to 90% of the unit. The major calc-silicate minerals are hornblende and epidote with lesser garnet.

The Bell showing (Burgert, 1997) consists of coarsely crystalline epidote-chlorite-garnet-sphalerite skarn developed within this calc-silicate marble. Dark reddish brown sphalerite occurs in irregular patches. Rare pyrite and trace galena are associated with the sphalerite. This showing will be discussed further in the section on mineralization.

STRATIGRAPHIC UNITS - Upper mafic volcanic greenstone package

CHLORITIC PHYLLITE (CHPH)

Overlying the lower quartzite package is a thick sequence (200-385 metres) of medium to dark green, aphanitic to fine-grained, chloritic phyllites. The chloritic phyllites weather as massive, resistant knobs and steep cliffs with dark rusty brown patches and streaks. The chloritic phyllites are generally homogenous although locally they contain visible flattened pillows outlined by grain size variations and pale green epidote cores. The pillows are flattened in the dominant S1 foliation and have an aspect ratio of 3:1 to 5:1. The chloritic phyllites are interpreted as basaltic volcanics.

The dominant S1 foliation within the chloritic phyllites is rough and irregular. Locally it contains polished surfaces with abundant dark green chlorite. Intervals of the basalt have been sheared and serpentinized with the development of an anastomosing "fish scale" foliation.

Scattered throughout the basalts are pale green, fine-grained, tuffaceous(?) chert interbeds ranging up to 4 metres in thickness; generally the cherts are less than 2

metres thick. Typically they are massive to thick bedded and weather to a light greenish cream color.

Dark orange brown gossan zones occur at various stratigraphic intervals within the chloritic phyllites (see Figure 1). These gossans are caused by the weathering of stratigraphic horizons containing up to 10% disseminated pyrite. Locally the pyrite occurs as thin stratiform quartz-pyrite $\pm$ magnetite intervals. These sulphide occurrences will be discussed further in the section on mineralization.

The lowermost part of the greenstone package also contains a highly strained, pale greenish white, fine grained felsic gneiss sill complex. This sill complex has a mapped thickness ranging up to 65 metres; it is absent on the east side of the Shutout property. The number and thickness of individual sills increases downward. These sills are not present in the underlying quartzite package. They will be discussed further in the intrusive section.

MARBLE (chMB)

The very uppermost part of the greenstone package contains at least two beds of off-white, finely banded, pure calcitic marble. Individual marble beds range from 1 metre to at least 140 metres in thickness. On the east side of the property, the marble forms a massive, thick-bedded unit which is readily mappable as a separate lithology. To the west the marble units thin dramatically until they are 1 metre or less in thickness. No fossils were noted.

INTRUSIVE UNITS

FOLIATED GRANODIORITE (sGD) - Simpson Range plutonic suite

Structurally flooring the entire stratigraphic sequence is a medium crystalline, pale silvery green, foliated granodiorite (sGD). This unit forms the southernmost lithology present on the Shutout property. It consists of augen of quartz, pink feldspar, and hornblende in a fine grained, pale green muscovite-chlorite matrix. The uppermost marginal contact with the overlying quartzites is very phyllitic. With increasing depth hornblende augen are apparent, and the unit becomes more granular. Feldspars are locally replaced by olive green epidote. The foliation is consistent with the S1 foliation in the overlying quartzites. Locally a second foliation is visible. This unit also occurs as sills within the lower quartzite package.

On the east side of the Shutout property (428150E, 6,784,000N), the granodiorite contains a 5-10 metre thick phyllitic shear zone. Marginal contacts of the phyllitic

zone are parallel to the dominant S1 foliation. The micaceous zone is rusty weathering because of disseminated aggregates of coarse grained pyrite.

The Sax showing (Burgert, 1997) occurs entirely within the foliated granodiorite unit. Further discussion of this showing is contained in the section on mineralization.

FOLIATED FELSIC GNEISS (sFG)

The foliated felsic gneiss (sFG) occurs as a sill complex within the lower part of the mafic greenstone package. Overall thickness of the complex where present is some 50 to 65 metres. The unit is not present on the east side of the Shutout property. Previously this unit was mapped as a feldspar porphyry breccia (Wengzynowski, 1996; Burgert, 1997).

The dominant lithology is a pale grey to white, fine grained, highly strained, siliceous, quartz-feldspar-muscovite gneiss. Locally small white feldspar augen are present. Minor fine muscovite and chlorite are visible on the dominant phase one foliation surface. The gneiss contains extremely elongate xenoliths of bleached, pale green, chloritic phyllite. Locally the chloritic phyllite occurs as larger screens which reach a thickness of up to 3 metres within the felsic gneiss. The felsic gneiss sills increase in number and thickness as one goes down in the greenstone package until it becomes the dominant rock type. Locally the felsic gneiss is pegmatitic. Pegmatitic phases weather cream to brown.

The sFG unit is exposed largely in one cirque on the west central part of the property. Previously this unit has been correlated with the sheared granodiorite unit (sGD) (Grant, 1997). Unit sFG is lithologically distinct from the sGD unit in that it is more felsic, less micaceous, and finer grained.

PYROXENITE ULTRAMAFIC (um) - Simpson Range plutonic suite

The upper overthrust intrusive suite contains bodies of medium grained, strongly magnetic, serpentinized, dark brown weathering pyroxenite ultramafic. Locally the ultramafic is crudely foliated with a coarse shear banding texture; generally it is unfoliated. Contacts with the surrounding more felsic intrusives are sharp. Immediately above the thrust fault flooring the upper intrusive suite, the ultramafic forms a strongly sheared, dark green serpentinite.

These ultramafic bodies correspond to airborne geophysical magnetic highs on the 105G airborne magnetic survey (DMTS, 1961).

GABBRO (GB) - Simpson Range plutonic suite

Much of the northwest corner of the Shutout property is underlain by unfoliated, medium grained gabbro (GB). The gabbro has a glomeroporhyritic texture with randomly oriented clusters of white plagioclase laths in a dark green interstitial mafic (pyroxene?) matrix. Minor amounts of square plagioclase phenocrysts up to 1cm across and dark green irregular mafic phenocrysts up to 1cm across also occur locally. The unit is cut by numerous, small, irregular plagioclase veinlets.

The GB unit contains xenoliths and screens of pyroxenite (um). It is in turn intruded by the granodiorite (GD) dykes and sills. It also contains thin dykes of fine grained, pale green, andesite porphyry containing scattered 1cm hornblende phenocrysts.

GRANODIORITE (GD) - Simpson Range plutonic suite

Structurally overlying the greenstone package on the east side of the Shutout property is an unfoliated, equigranular, coarse grained, hornblende-quartz-plagioclase-K-feldspar granodiorite (GD). Hornblende (10%) commonly is partially to completely replaced by green chlorite. Quartz (30-40%) grains have a faint bluish tinge. All grains are interlocking and subhedral to anhedral. The granodiorite (GD) unit also forms dykes and sills within the gabbro unit (GB).

On the east side of the property unit GD is separated from the underlying greenstone package by a shallowly north dipping thrust fault. Immediately above the thrust fault this unit is a medium to pale green, strongly chloritized, fine grained cataclasite(?). Within 15 metres upwards it changes rapidly through a brecciated, chloritized granodiorite to a fresh, unaltered granodiorite.

STRUCTURE and METAMORPHISM

Stratigraphic units in the Shutout area are structurally upright and dip moderately to the north. Two deformation foliations are present within the stratigraphic units and the underlying intrusive. The uppermost unfoliated intrusive suite is in thrust contact with the underlying greenstone package.

The phase 1 deformation fabric is a pervasive slaty cleavage to foliation which is approximately parallel to compositional banding. This fabric forms the dominant structural element in the Shutout area. Figure 3 is an equal area stereonet showing the poles to measured phase 1 planes. The average phase one orientation is 260/31 NW. Only one minor phase 1 fold was noted in outcrop (LCP97-211); this structure formed an open fold with a shallow northeast plunge and southeast vergence.

The phase 2 fabric is generally a spaced fracture cleavage. In the more micaceous units it formed a spaced crenulation cleavage. Minor structures related to these fabrics were noted only rarely. Figure 4 is an equal area stereonet of the phase 2 structural elements. The mean phase 2 plane has an orientation of 252/55 NW. Phase 2 minor structures plunge gently to the west.

The highest structural unit exposed in the Shutout property is an unfoliated intrusive suite consisting of early Mississippian pyroxenites, gabbros, and granodiorites belonging to the Simpson Range plutonic suite. The intrusive suite is fractured but does not contain a pervasive planar structural fabric. The fault separating the intrusive suite from the underlying greenstone package has a shallow northern dip. Measurements on the fault surface in two locations indicated orientations of 255/18 N (LCP97-215) and 295/17 N (LCP97-220). This orientation is approximately parallel to the phase one planar fabric present in the underlying greenstones. Greenstones immediately below the fault have a sheared fishtail structural fabric. Immediately above the fault the granodiorite is extremely fine grained, and very chlorite altered. Within 15 metres away from the fault, the granodiorite becomes unfoliated and relatively unaltered.

The Shutout area also contains late steep faults with variable orientation. The largest of these faults have been indicated on Figure 1. Kinematic indicators were not noted to determine if these structures were dominantly strike-slip or dip-slip.

Greenstones on the Shutout property contain the metamorphic minerals chlorite and epidote. Quartzites contain muscovite; quartzite compositions may not be appropriate for development of biotite. These mineral assemblages loosely constrain metamorphic grade to greenschist facies.

MINERALIZATION

Various types of mineralization occur at different structural levels on the Shutout property. Sulphide mineralization is restricted to the lowermost sGD unit, the lower quartzite package, and the upper greenstone package. Much of the mineralization is related to fine disseminated pyrite within the different units. In many instances this pyrite weathers to form large distinctive orange to rust brown gossans. The following discussion of mineralization proceeds from the structurally lowest to the structurally highest mineral occurrences.

The Sax showing (427,250E, 6,784,550N) occurs within the foliated granodiorite (sGD) on the Shutout claims. It was previously described as disseminated and banded pyrite, galena, and red sphalerite occurring within felsic volcanics (Burgert, 1997). Based on its structural and stratigraphic location, it must either be

mineralization within a roof pendant in the sGD unit or related to vein and/or fault structures within the sGD unit. Southeast of the Sax showing, the sGD unit contains a micaceous shear zone with disseminated pyrite. This zone weathers as an orange rust brown gossan. The occurrence of this gossan with related pyrite suggest that the Sax showing may be related to a similar type of deformation fault structure.

The Bell showing (429,055E, 6,784,340N) consists of dark brown sphalerite with lesser pyrite and trace galena occurring as disseminations and bands within calcareous epidote-garnet-chlorite skarn. This showing was discovered and sampled during the 1996 field season (Burgert, 1997). Mapping during the 1997 field season confirmed that the skarn occurs within the qzMB unit. In the immediate vicinity of the showing, the lateral and downdip extent of the qzMB unit is limited by the present erosion surface. Calc-silicate marble outcrops on the west-central part of the property doe not contain skarn sulphide mineralization.

The MSQZ unit on the Shutout property locally contains extensive orange rust gossan zones. These zones are related to minor disseminated pyrite contained within quartzites and quartz-muscovite phyllites (felsic volcanics). Copper staining was not noted in any of the gossans.

A strong orange gossan is present at the south end of the cirque containing the sFG unit (425,120E, 6784,350N). Inspection of the bedrock in the immediate area was not able to discern any major sulphide mineralization. The gossan may be related to fine disseminated pyrite.

Chloritic phyllites at different stratigraphic levels within the CHPH unit contain orange brown to dark rust brown gossans formed by weathering of disseminated pyrite in the chloritic phyllites. In some cases the pyrite occurs associated with quartz in distinct stratiform beds ranging from 20cm to 4m in thickness. When strongly weathered these quartz-pyrite zones form pale grey quartz boxworks. Copper staining was not noted in the quartz-pyrite zones. Often choritic phyllite adjacent to the stratiform pyrite-quartz bands contains up to 5% disseminated pyrite occurring as streaks and bands.

These gossan occurrences occur dominantly in the upper stratigraphic portion of the exposed greenstone package. The gossans are associated with elevated base metal values in soil geochemical samples. These pyrite occurrences are encouraging for Cyprus type mineral deposits. They indicate active primary sulphide precipitation during deposition of the enclosing basalts. Several of these sulphide zones were prospected and trenched during the 1997 field program.

The Tempelman-Kluit showing (425,333E, 6,785300N) consists of a recessive gully containing rusty soil, limonite boxwork fragments, and float of massive magnetite up to 5cm in diameter (Burgert, 1997). Trenching in the gossan during 1997 revealed a steely grey zone of fine grained pyrite sand with an exposed thickness in the trench wall of 0.5m. The orientation of the pyrite zone is consistent with compositional banding in the general area. It is assumed to represent a stratiform pyritic massive sulphide occurrence within the chloritic phyllites.

An unnamed showing (424,770E, 6,784,500N) consisting of stratiform pyrite with lesser magnetite was first discovered during the 1995 field season (Wengzynowski, 1996). In outcrop the showing consists of very rusty orange to yellow weathering pyritic chloritic phyllite. Pyrite occurs in association with quartz as bands and lenses ranging in thickness from 20cm to 4m. These pyrite-quartz intervals are parallel to the compositional banding. Ferricrete is developed at the base of the cliffs containing the mineral showing; gossan stain continues northwest along the cirque floor away from the showing for some 600 metres downslope. At the showing the stratiform pyrite-quartz horizon contains lesser 1cm thick interbands of fine grained magnetite. The stratiform pyrite-quartz-magnetite horizon is exposed downdip for a distance of 60 metres.

The pyrite-quartz-magnetite horizon is contained within a dark rusty brown chloritic phyllite. The rusty brown weathering is related to disseminated pyrite. The rusty weathering chloritic phyllite has a strike extent of 475 metres west from the mineral showing with thinning of the horizon occurring along strike to the west. In 1997 hand trenching was completed in the rusty chloritic phyllites forming the onstrike extension of this showing.

Additional gossan zones caused by pyritic semi-massive sulphides and disseminated pyrite in chloritic phyllites occur at coordinates (423,390E, 6,784,890N) and (425,000E, 6,785,460N).

CORRELATION with REGIONAL MAPPING

The Shutout property occurs along the south edge of the Money klippe. Mapping by Tempelman-Kluit (1977, 1979) described the Money klippe as an erosional remnant consisting of three stacked large scale allochthonous sheets structurally emplaced on ancestral North America crust as a result of arc-continent collision. Figure 5 illustrates the correlation between the geology described in this report with the allochthons interpreted by Tempelman-Kluit. The lower quartzite package described in this report corresponds to the Nisutlin allochthon of Tempelman-Kluit. The upper greenstone package is correlated with the Anvil allochthon, and the uppermost overthrust intrusive suite is correlated with the Simpson allochthon. These

allochthons are rooted in the Teslin suture zone some 125 kilometres to the west. Tempelman-Kluit interpreted contacts between these major packages as being large scale thrust faults. Many of the internal contacts were also interpreted as thrust faults.

The sheared granodiorite unit (sGD) south of the Money klippe was interpreted by Tempelman-Kluit as being part of the Simpson allochthon with a normal fault separating the lower quartzite package to the north from the sGD unit to the south.

Mapping by Mortensen (1983) indicated the Money klippe was more restricted in area. Nisutlin allochthon was re-interpreted as autochthonous rocks of the Yukon-Tanana terrane. The lower quartzite package was considered to be a dominantly felsic volcanic package belonging to the Lower Paleozoic Layered Metamorphic sequence in the Yukon-Tanana terrane. Anvil and Simpson allochthons were still interpreted in a fashion consistent with the earlier Tempelman-Kluit description. Mortensen interpreted the sGD unit as an intrusive pluton and not an allochthonous sheet.

Recent mapping by Julie Hunt and Don Murphy (personal communication, 1998) has further restricted the "foreignness" of the Money klippe. The Nisutlin allochthon (lower quartzite package) and Anvil allochthon (upper mafic greenstone package) on the Shutout property are mapped by Hunt and Murphy as Units 1 and 2 of the Yukon-Tanana terrane (using the terminology of Murphy and Timmerman (1997) and Murphy (1997)). Correlation of the lower quartzite package and upper mafic greenstone package with Yukon-Tanana units is based on lithologic similarities to units mapped in adjacent areas. At Fyre Lake the sGD unit (Unit Mgs in their terminology) occurs in the hanging wall of a west directed thrust fault which structurally emplaces the entire Shutout property geology on top of the Yukon-Tanana units exposed on the Fyre Lake and Hat Trick properties. Displacement on this thrust fault is unknown but is not considered to be large.

Figure 6 illustrates the stratigraphic columns for the Hat Trick, Fyre Lake, and Shoutout properties following the interpretation proposed by Hunt and Murphy (personal communication, 1998). The Hat Trick and Fyre Lake properties occur in the autochthonous structural panel which is footwall to the thrust fault mapped on the Fyre Lake property at the bottom of the sGD unit. All of the Shutout geology occurs in the hanging wall to this thrust fault. The thrust fault occurring at the top of the upper greenstone package on the Shutout claims was not recognized in the mapping immediately east of Fire Lake. This higher thrust is assumed to cut down to the west and root into the major thrust described above.

Detailed geologic mapping on the Shutout property generally confirms the geologic interpretation presented in Figure 6. The uuper contact of the sGD unit is concordant

with the overlying lower quartzite package and forms the structural floor for the stratigraphic sequence. Mapping of the contact between the upper greenstone package and the lower quartzite package failed to recognize any major shear zone; contacts are sharp, planar, and conformable. The lower part of the greenstone package consists of the felsic gneiss sill complex; serpentinites and ultramafics do not occur along the contact. In contrast a fault structure is recognized between the greenstone package and the overlying unfoliated intrusive suite. Similarity of the intrusive suite with the sGD unit suggests that the hanging wall intrusive suite is not far travelled with respect to the footwall sGD unit.

The Shutout lower quartzite package is lithologically similar to Unit 1 of Murphy as mapped to the north. Correlation of the Shutout upper mafic greenstone package with Unit 2 is more problematic. The greenstone package and Unit 2 do both consist dominantly of chloritic phyllites interpreted to be basaltic volcanic flows. In contrast to other areas, however, the Shutout greenstones contain numerous pale green tuffaceous(?) chert horizons, have a more irregularly developed S1 pervasive foliation, have serpentinized zones, lack dark grey carbonaceous quartzite interbeds and contain significant marble interbeds. These lithologic and structural differences may be related to a combination of facies changes, local structural complications, and Shutout greenstones only representing the lower part of Unit 2.

Correlation of the Shutout stratigraphy with Yukon-Tanana units 1 and 2 results in some significant conclusions concerning regional differences and similarities in Yukon-Tanana stratigraphy in the Fire Lake area. Between Hat Trick and Shutout, Unit 1 undergoes a major facies change from dominantly carbonate (Hat Trick) to dominantly quartzites with lesser felsic volcanics and only minor marble (Shutout). The presence of a major marble unit as part of the greenstone package on Shutout also implies that Unit 2 locally contains extensive carbonate as an integral part of the stratigraphic sequence. This may have implications concerning the assignment by Murphy (1997) of the Goon showing to unit 1.

The pyritic mineral occurrences within the Shutout greenstone package correlate well with similar mineral occurrences (target G) on the Hat Trick property (Pigage, 1998). The entire Shutout sequence is stratigraphically lower than the Fyre Lake and Kudz Ze Kayah deposits.

The overlying intrusive suite (um, GB, GD) and the sheared granodiorite (sGD) are lithologically similar and have been collectively termed the Simpson Range plutonic suite. U-Pb dating of zircons from each of the above units is internally consistent, resulting in ages ranging from 360 Ma to 345 Ma with the more mafic intrusive phases being slightly older (Grant, 1997; Mortensen, 1983). These dates indicate Unit 1 (which is intruded by the sGD unit) must be older than early Mississippian.

Whole rock and trace element geochemistry of the intrusives indicate they are subalkalic and belong to a calc-alkaline suite (Grant, 1997).

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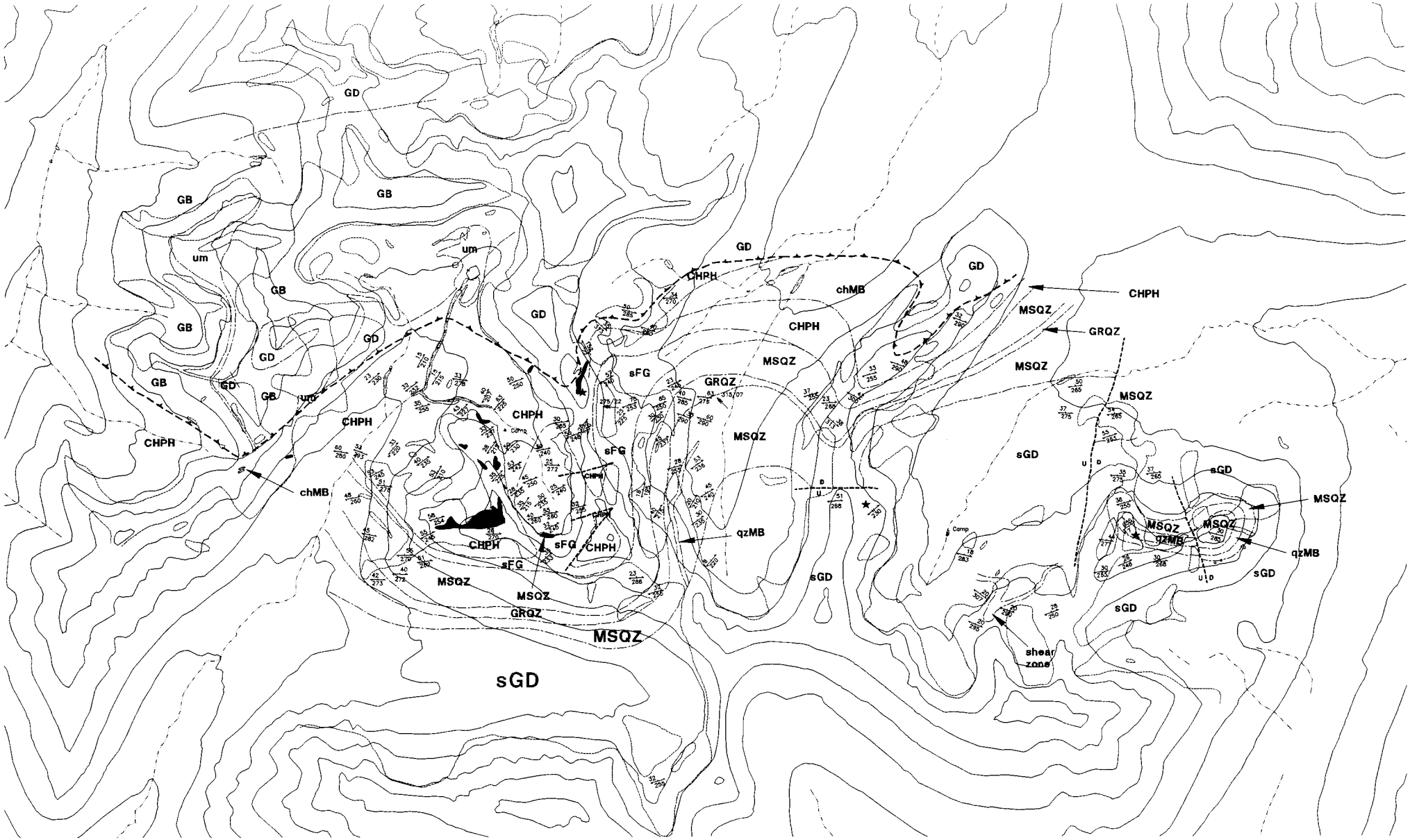
GD
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um
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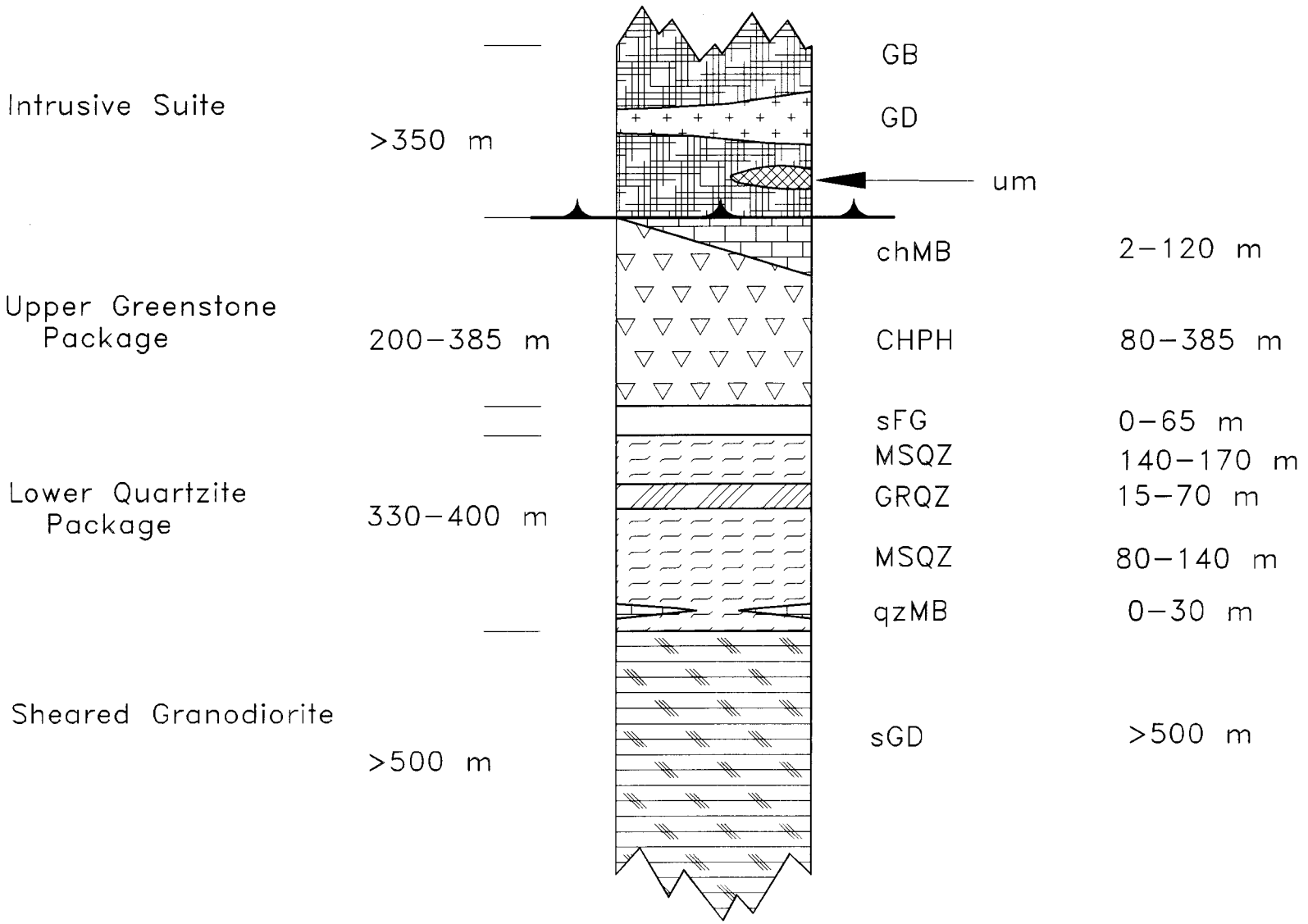
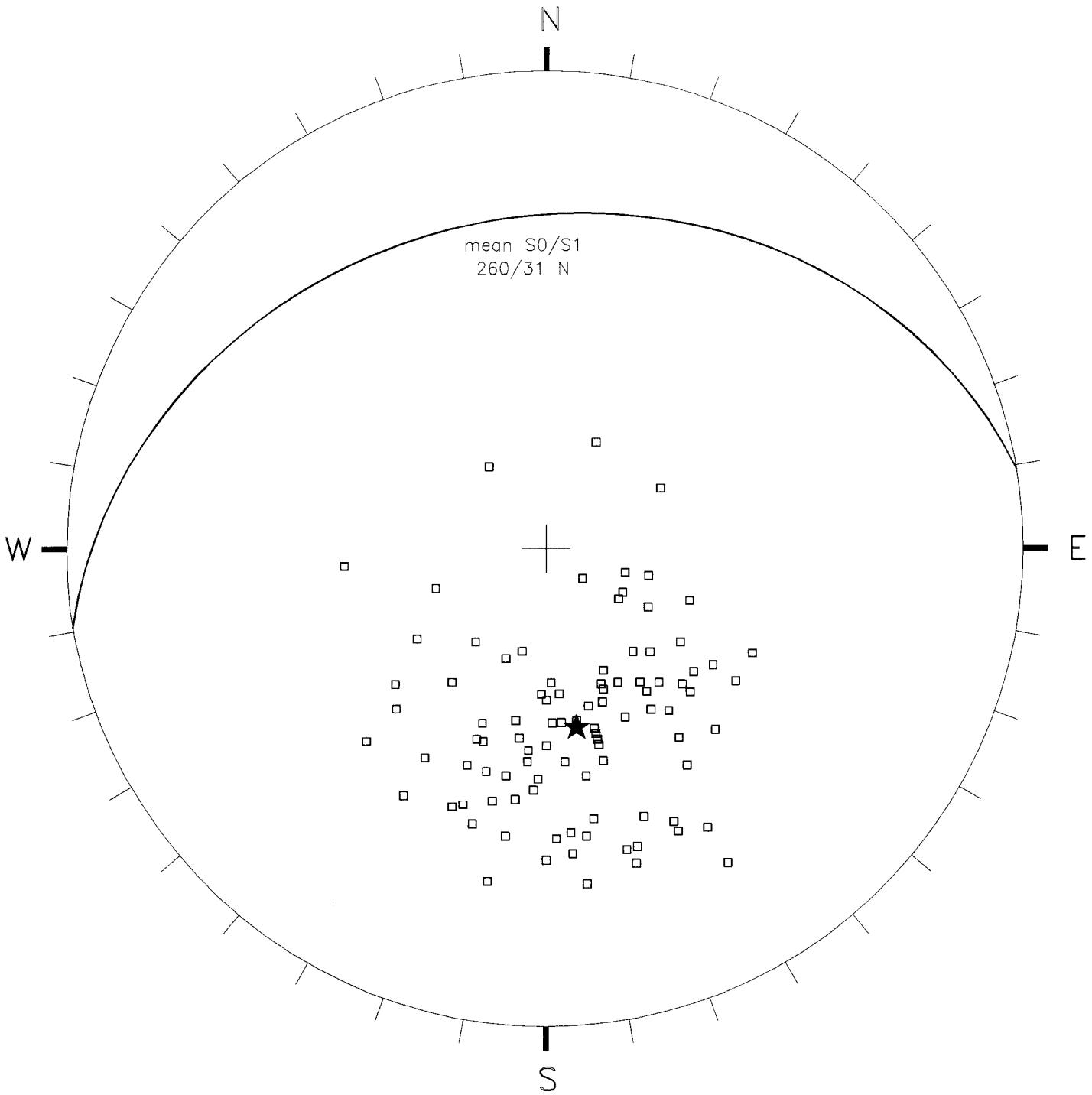
sGD

Shutout property

Pigage (this report)





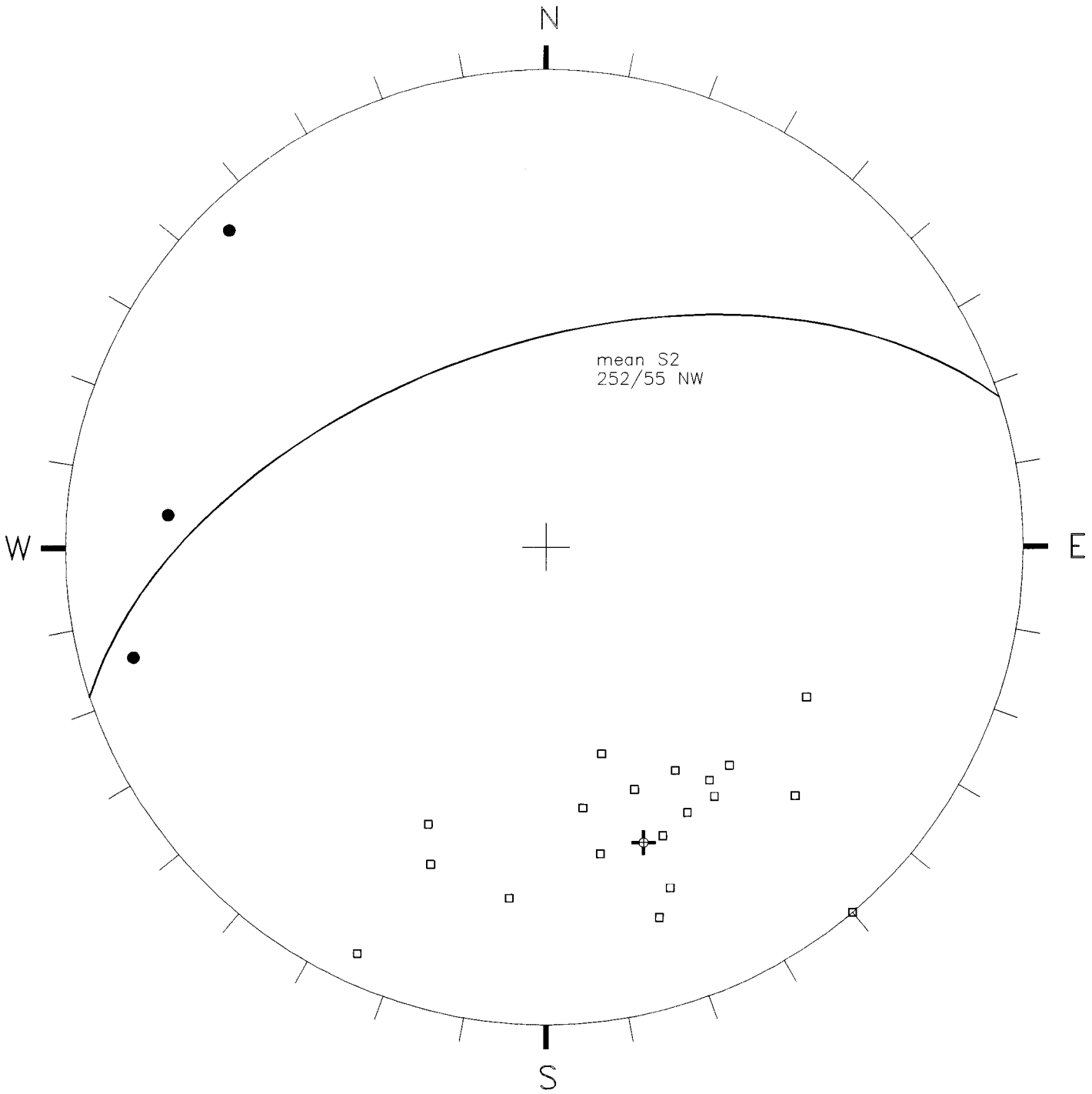
POLE PLOT

poles to S0 and S1

101 Poles Plotted

EQUAL AREA

LOWER HEMISPHERE



EQUAL AREA

LOWER HEMISPHERE

POLE PLOT

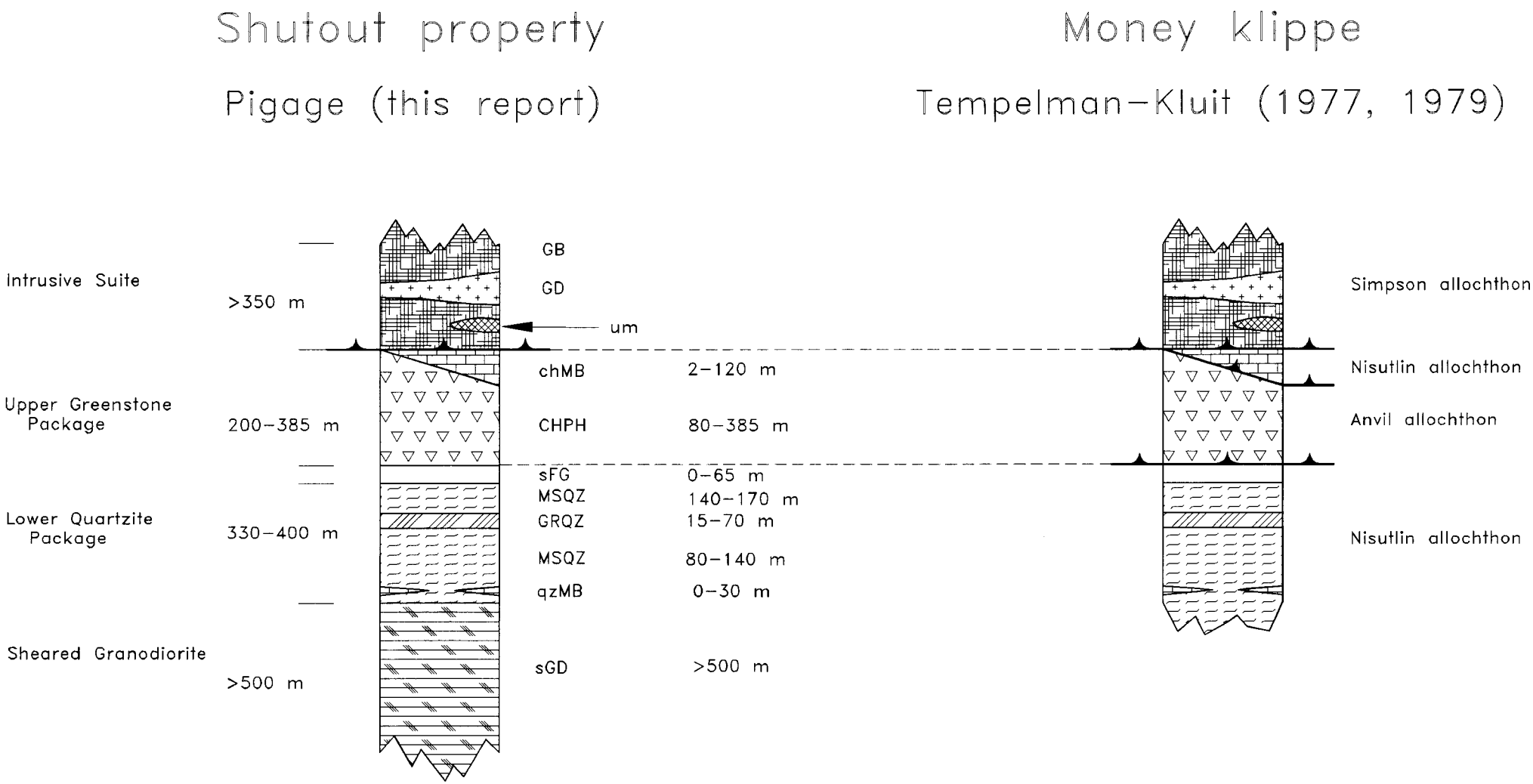
▫ Pole to S2 cleavage

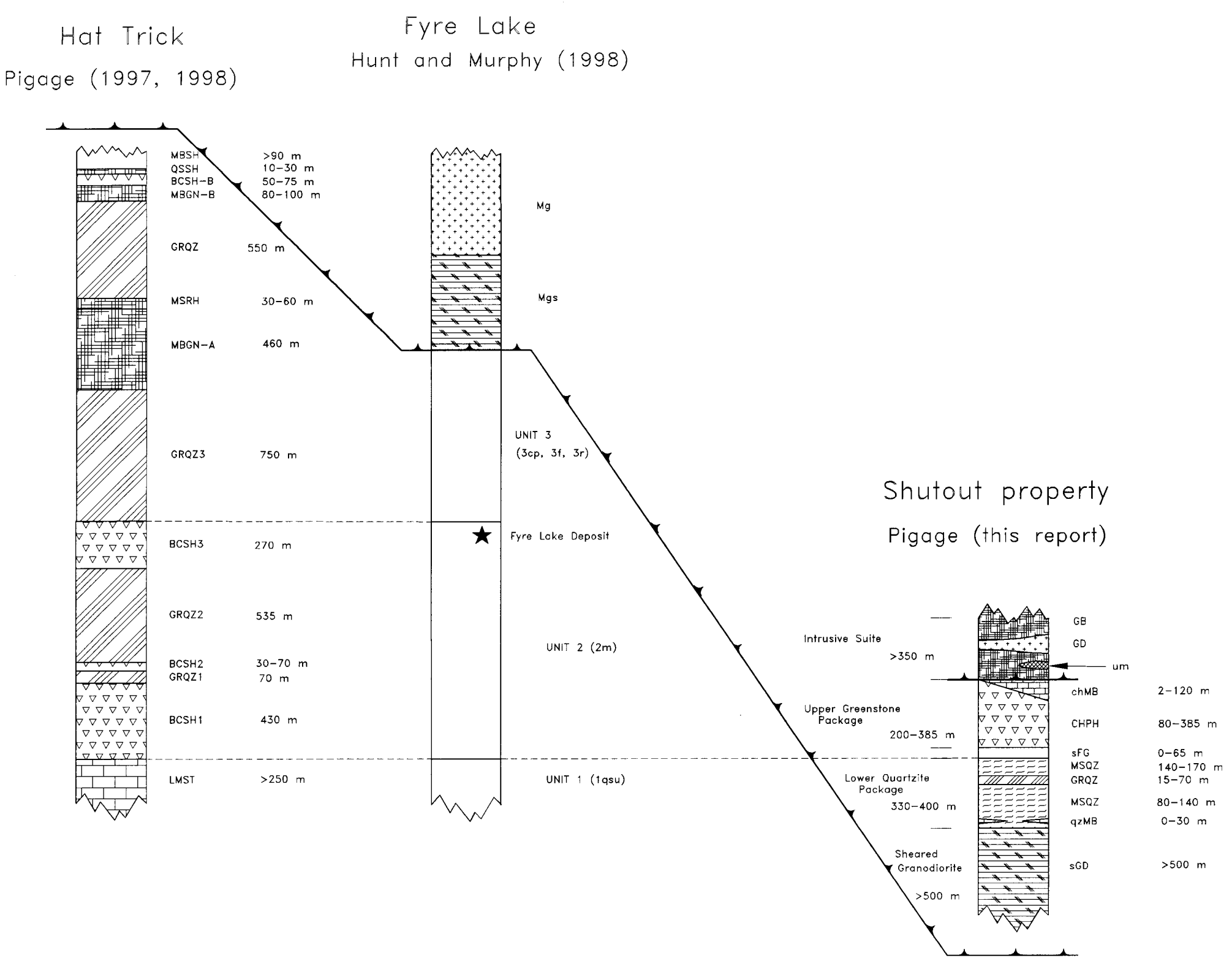
19 Poles Plotted

⌖ mean pole to S2

● L2 lineation

3 Lineations Plotted


Shutout property
Pigage (this report)
Money klippe
Tempelman-Kluit (1977, 1979)
Intrusive Suite
>350 m
Upper Greenstone Package
200-385 m
Lower Quartzite Package
330-400 m
Sheared Granodiorite
>500 m
GB
GD
um
chMB
2-120 m
CHPH
80-385 m
sFG
0-65 m
MSQZ
140-170 m
GRQZ
15-70 m
MSQZ
80-140 m
qzMB
0-30 m
sGD
>500 m
Simpson allochthon
Nisutlin allochthon
Anvil allochthon
Nisutlin allochthon


Hat Trick
Pigage (1997, 1998)
Fyre Lake
Hunt and Murphy (1998)
Shutout property
Pigage (this report)
MBSH >90 m
QSSH 10–30 m
BCSH–B 50–75 m
MBGN–B 80–100 m
GRQZ 550 m
MSRH 30–60 m
MBGN–A 460 m
GRQZ3 750 m
BCSH3 270 m
GRQZ2 535 m
BCSH2 30–70 m
GRQZ1 70 m
BCSH1 430 m
LMST >250 m
Mg
Mgs
UNIT 3
(3cp, 3f, 3r)
Fyre Lake Deposit
UNIT 2 (2m)
UNIT 1 (1qsu)
Intrusive Suite
>350 m
Upper Greenstone Package
200–385 m
Lower Quartzite Package
330–400 m
Sheared Granodiorite
>500 m
GB
GD
um
chMB 2–120 m
CHPH 80–385 m
sFG 0–65 m
MSQZ 140–170 m
GRQZ 15–70 m
MSQZ 80–140 m
qzMB 0–30 m
sGD >500 m