

ARCHER, CATHRO

A ASSOCIATES (1981) LIMITED

CONSULTING GEOLOGICAL ENGINEERS

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ASSESSMENT REPORT

describing

GEOLOGICAL MAPPING, PROSPECTING AND SOIL GEOCHEMISTRY

on the

SHUTOUT PROPERTY

Shutout 1-108 Claims	YB58953-YB59060
109-133 Claims	YB77893-YB77917
134 FR Claim	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.

W.D. Eaton, B.A., B.Sc.
May, 1998

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GEOLOGICAL SURVEY
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L.M.C.

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 \$ 48,650.00.

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).

In spring 1995 Expatriate staked 108 claims covering soil geochemical anomalies coinciding with favourable stratigraphy. Geological mapping, prospecting and soil sampling were done by Expatriate that summer. An additional 50 claims were staked in 1996 prior to an exploration program that included airborne magnetic and electromagnetic surveys in spring plus geological mapping, prospecting, soil sampling and claim surveys during summer.

Expatriate's 1997 exploration program consisted of detailed geological mapping, prospecting, soil sampling and minor hand trenching. This work was performed by two- to five-person crews in July and August from fly camps on the property. The program was managed by Archer, Cathro & Associates (1981) Limited and supervised by the author. Appendix I contains the Author's Statement of Qualifications.

PROPERTY, LOCATION AND ACCESS

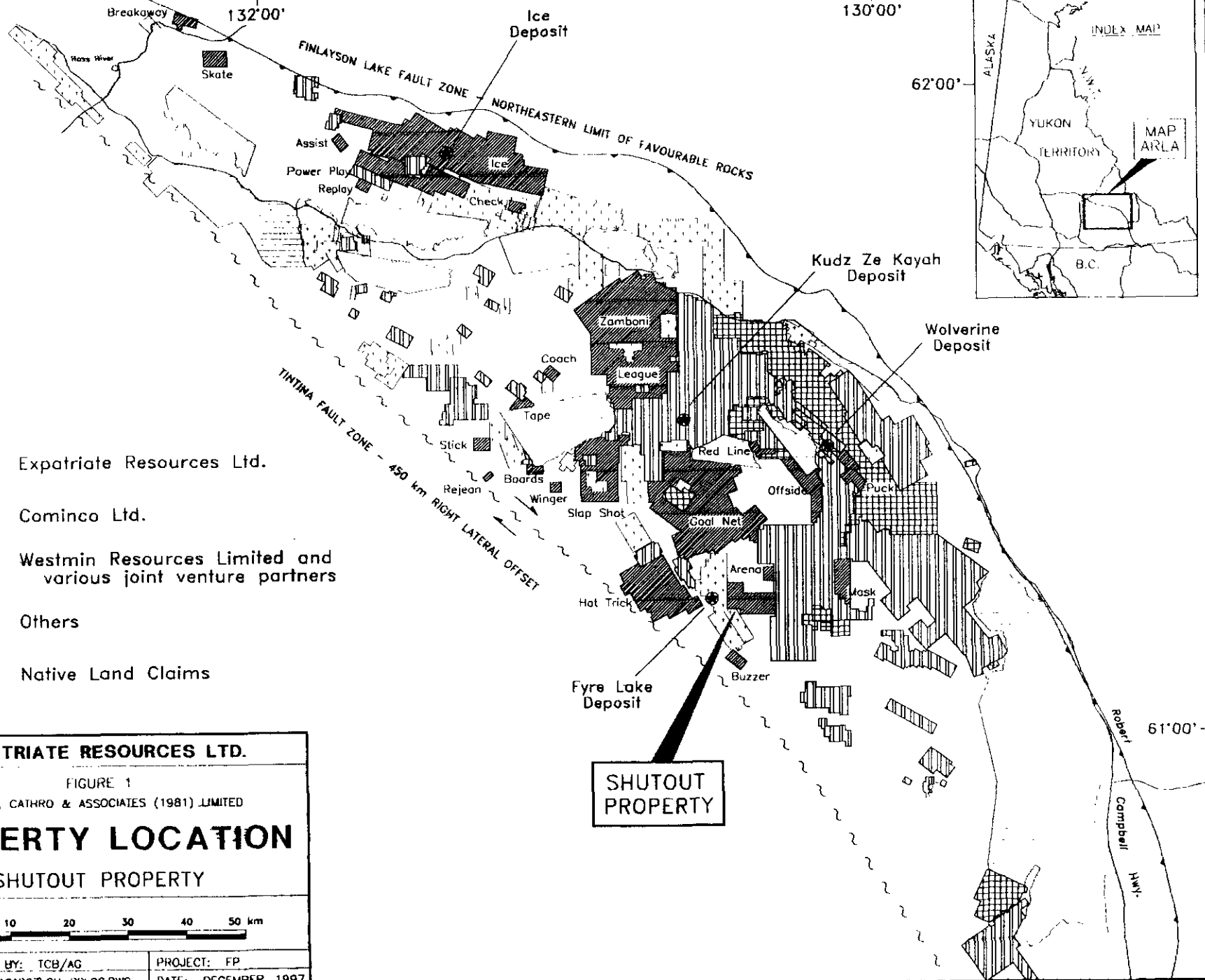
The property is located in southeastern Yukon at latitude 61°12'N and longitude 130°20'W on NTS map sheet 105G/1 (Figure 1). It is comprised of 158 contiguous mineral claims (Figure 2) registered with the Watson Lake Mining Recorder in the name of Archer, Cathro & Associates (1981) Limited which holds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






<u>Claim Name</u>	<u>Grant Number</u>	<u>Expiry Date*</u>
Shutout 1-108	YB58953-YB59060	March 17, 2008
Shutout 109-133	YB77893-YB77917	March 1, 2005
Shutout 134 FR	YB77918	March 1, 2005
Shutout 135-158	YB77919-YB77942	March 1, 2005


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

In 1997 the property was accessed with a helicopter stationed for the summer at Expatriate's base camp on the Ice property. The Shutout 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 contracted from Trans North Helicopters of Whitehorse.

During the 1996 and 1997 exploration programs a number of claim post locations were surveyed using Trimble Geoexplorer GPS units. Field readings were corrected using base station data from the Department of Renewable Resources (Forestry) at Whitehorse. GPS survey data appears in Appendix II.



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

EXPATRIATE RESOURCES LTD.	
FIGURE 1	
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED	
PROPERTY LOCATION	
SHUTOUT PROPERTY	
	
DRAWN/REVISED BY: TCB/AG	PROJECT: FP
FILE: FP\SOUT\ACAD97\SH-PRLOC.DWG	DATE: DECEMBER, 1997

**SHUTOUT
PROPERTY**



— Claim boundary

EXPATRIATE RESOURCES LTD.
 FIGURE 2
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
CLAIM LOCATION
 SHUTOUT PROPERTY

SCALE 1:30,000
 0 300 600 900 1200 1500m

DRAWN/REVISED BY: YCB/AG PROJECT: 69
 FILE: PPA SOUTH ACADY SHOOT-CLONG DATE: DECEMBER, 1997

Columbia Gold

Cominco

GEOMORPHOLOGY

The Shutout property covers mountainous terrain of the Pelly Mountains 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 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. Outcrop is most abundant along ridge crests and in north-facing cirques. The valley bottoms are covered with Pleistocene deposits of glacial till while south-facing slopes are usually blanketed by talus.

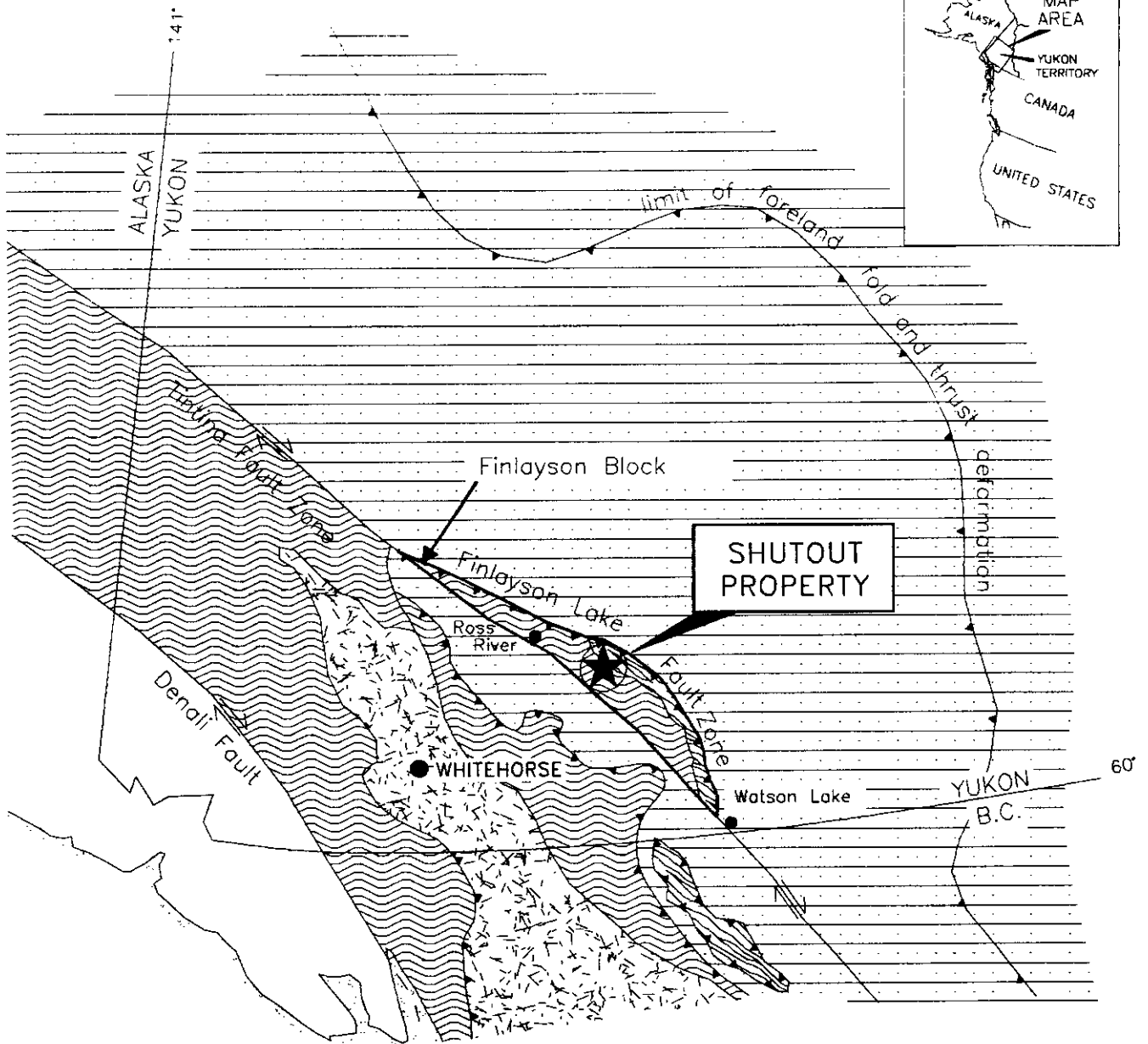
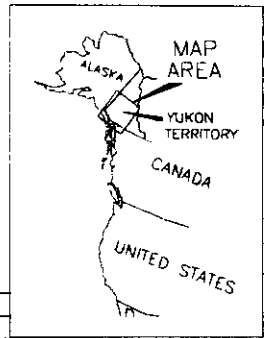
Most of the property lies above treeline. Vegetation consists of scattered black spruce with thick buckbrush and willow on the valley floors and lower hillsides giving way to scattered buckbrush, grasses and moss at the higher elevations. Cliffs and talus slopes are vegetated only by lichen.







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 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



-  Thrust fault
-  Steep fault
-  Yukon-Tanana Terrane
-  Slide Mountain Terrane
-  Stikinia and other Terranes
-  North American Miogeoclinal Strata

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FIGURE 3
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

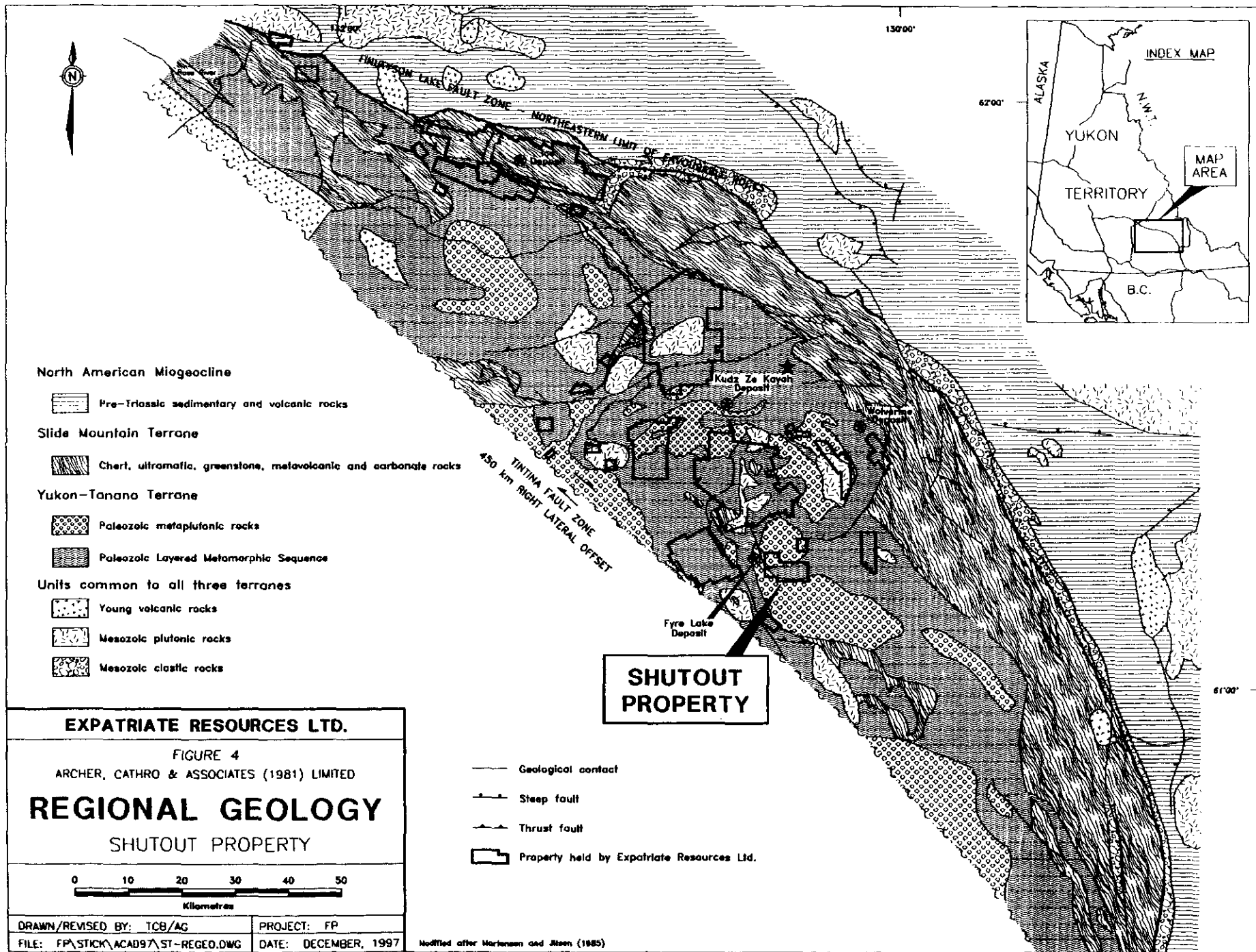
TECTONIC SETTING

SHUTOUT PROPERTY

0 100 200 300 400
KILOMETRES

DRAWN/REVISED BY: TCB/AG	PROJECT: FP
FILE: FP\SOUT\ACAD97\SH-TECTO.DWG	DATE: DECEMBER, 1997


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



North American Miogeocline

 Pre-Triassic sedimentary and volcanic rocks

Slide Mountain Terrane

 Chert, ultramafic, greenstone, metavolcanic 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

**SHUTOUT
PROPERTY**

-  Geological contact
-  Steep fault
-  Thrust fault
-  Property held by Expatriate Resources Ltd.

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FIGURE 4
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

REGIONAL GEOLOGY
SHUTOUT PROPERTY

0 10 20 30 40 50
Kilometres

DRAWN/REVISED BY: TCB/AG PROJECT: FP
FILE: FP\STICK\ACAD97\ST-REGEO.DWG DATE: DECEMBER, 1997

Modified after Mortenson and Josen (1985)

mafic volcanic interbands. Radiometric dating of the felsic metavolcanics in the Finlayson Block has consistently resulted in Late Devonian to Mississippian crystallization ages. Immediately south of Finlayson Lake, large isolated outcrops of marble and quartzite which are poorly dated as Early Pennsylvanian to Early Permian (Tempelman-Kluit, 1979) form the uppermost unit of the Yukon-Tanana Terrane.

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

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

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

Slide Mountain Terrane consists of Late Devonian to Late Triassic disrupted oceanic crust (Mortensen, 1992). Lithologies include massive and sheared greenstone, chert and mafic to ultramafic plutonic rocks. These units are most abundant near the Finlayson Lake Fault Zone along the northeastern edge of the Finlayson Block where they are referred to as the Campbell Range Belt. Smaller ultramafic bodies within the Finlayson Block are enigmatic, with some mappers considering them to be thrust bounded slices of the Slide Mountain Terrane and others proposing they were intruded as sills into stratigraphy of the Yukon-Tanana Terrane.

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

Mesozoic intrusive activity in the Finlayson Block includes two main 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 Deposits within the Finlayson Block in the last few years (Johnston and Mortensen, 1994) has refocused exploration activities in the

area. Both deposits occur within metasedimentary and metavolcanic sequences of the Yukon-Tanana Terrane and are associated with felsic volcanics present in the middle unit of that terrane.

During the 1996 field season regional mapping was done in the vicinity of the Kudz Ze Kayah Deposit by government mappers at 1:50,000 scale (Murphy and Timmerman, 1997). This work confirmed the general stratigraphic position of the Kudz Ze Kayah Deposit and assigned it to an undifferentiated felsic schist unit (Unit 3f). Murphy continued mapping to the south and east in 1997 to determine the regional extent of this favourable stratigraphy (Murphy, 1997). As a result of this program Murphy has identified a mafic volcanic unit (Unit 2m) and a second felsic metavolcanic unit (Unit 1f), both of which are located deeper in the Layered Metamorphic Unit and have potential to host VMS deposits.

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 Kuroko-type, some Besshi-type mineralization is also present (Morin, 1981; Johnston and Mortensen, 1994) and the recently discovered Ice Deposit is Cyprus-type. Figure 1 shows the location of the Kudz Ze Kayah, Wolverine and Fyre Lake Deposits which are the main "type-deposits" for Expatriate's exploration at the Shutout property. The three deposits 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 north 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, Sable 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 and Sable Zones are blanketed by glacial till. Westmin has traced the deposit 700 m along strike and up to 450 m downdip. The mineralization averages about 6 m thick and dips shallowly to the north. The Sable Zone, which lies about 1500 m to the southeast, was discovered in late 1997 when two holes yielded high grade intersections over narrow widths. All three zones contain significantly more zinc and precious metals than Kudz Ze Kayah. The most recent geological inventory is reported to be 6,237,000 tonnes grading 12.66% zinc, 1.33% copper, 1.55% lead, 370.9 g/t silver and 1.76 g/t gold (Westmin News Release, January 15, 1998). 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 50 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 Shutout 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 to date has identified three mineralized horizons within the Kona East and West Zones. Massive and semi-massive sulphide mineralization is contained within a 6 to 80 m section that has a drill-inferred length of 1500 m over an average width of 250 m (GCNL, 1997). Kona East intersections on the Lower Horizon averaged 1.2% copper, 0.12% cobalt and 0.77 g/t gold over 7 m while those found in the Upper Horizon averaged 1.9% copper, 0.12% copper and 0.53 g/t gold over 13 m (Columbia Gold Mines Ltd., News Release, December 2, 1996). Average grades and widths for Kona West mineralization are not yet available.

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. 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 provide 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, Wolverine and Fyre Lake.

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

GEOCHEMICAL BACKGROUNDS AND ANOMALOUS THRESHOLDS

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

The Shutout property has peak values from the 1973 sampling of 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 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.

PROPERTY GEOLOGY

Three major lithological packages are recognized on the Shutout property as shown on Figure 5. They include: 1) a Lower Quartzite Package containing quartzite with lesser felsic metavolcanic, mafic metavolcanic and marble; 2) an Upper Greenstone Package composed of chlorite phyllite with lesser pale green chert and white marble; and, (3) an Intrusive Suite consisting of foliated granodiorite and felsic gneiss which intrude into the stratigraphic packages and pyroxenite, gabbro and granodiorite which are thrust over the stratigraphic packages. The Lower Quartzite Package and Upper Greenstone Package are correlated with Murphy's Units 1 and 2, respectively (Figure 5).

Property geology is shown on Figure 6. The mapping and following lithological descriptions are primarily based on 1997 work by L.C. Pigage Consulting Limitedtd. (Pigage, 1998).

Lower Quartzite Package

Quartzite (MSQZ) ranges from 80 to 140 m in thickness. It is massive, homogeneous and white, grey or tan, except for anastomosing micaceous partings which weather silver grey to brown. Where minor finely disseminated pyrite is present, the rocks weather brown, yellow or orange.

The lowermost section of the quartzite unit includes at least one conglomerate horizon containing quartz pebbles that are highly elongate and up to 2 cm long.

Scattered throughout the quartzite sequence are up to 20 m thick intervals of orange-brown weathering quartz-muscovite phyllite with minor disseminated pyrite. These rocks are believed to have had a felsic volcanic protolith.

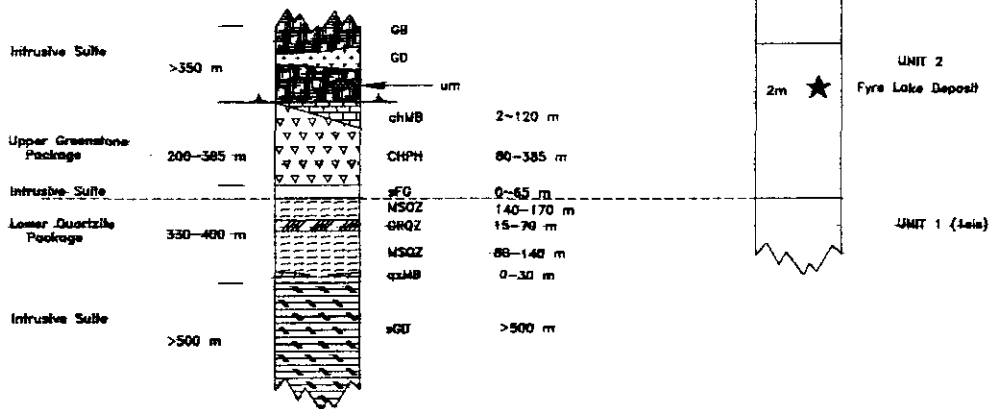
Regional Units

Murphy (1997)

Hunt (1998)

Shutout property

Pigage (1997)



EXPATRIATE RESOURCES LTD.

FIGURE 5
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

STRATIGRAPHIC SECTION

SHUTOUT PROPERTY

DRAWN/REVISED BY: LCP/RFG

PROJECT: FP

FILE: FP\SOUT\ACAD97\SH-STRAT.DWG

DATE: DECEMBER, 1997

The uppermost part of the quartzite unit features an up to 15 m thick, dark green, moderately to strongly quartz-carbonate altered chloritic phyllite horizon and up to 4 m thick intervals of pale silvery green, muscovite-chlorite phyllite. These rocks are interpreted as metamorphosed mafic volcanics.

Carbonaceous quartzite (GRQZ) occurs at various stratigraphic levels within the Lower Quartzite Package ranging from 15 to 70 m in thickness. It is typically dark grey to black and weathers patchy dark brown. The carbonaceous quartzite is generally homogeneous with minor anastomosing micaceous partings.

Calc-silicate marble (qzMB) is not present in all areas of the property but locally ranges up to 30 m in thickness. The light grey marble is strongly laminated with thick dark grey streaks. Calc-silicate lenses and bands comprise 2 to 90% of this unit. The major calc-silicate minerals are hornblende, epidote and lesser garnet.

Upper Greenstone Package

Chloritic phyllite (CHPH) overlies the Lower Quartzite Package and is between 200 and 385 m thick. It forms massive resistant knobs and cliffs and exhibits dark rusty brown patches and streaks on weathered surfaces. Although this deformed mafic volcanic unit is generally homogeneous, it locally contains pale green epidote altered pillows that are flattened in the dominant S1 foliation with an aspect ratio between 3:1 and 5:1.

Pale green, fine-grained chert interbeds are scattered throughout this unit. Typically the interbeds are less than 2 m thick and massive to thick bedded.

Dark orange-brown gossan zones occur at various stratigraphic levels within the chlorite phyllites. The gossans mark stratigraphic intervals averaging up to 10% pyrite, some of which contain thin foliaform quartz-pyrite±magnetite bands.

Marble (chMB) is present in the uppermost part of the greenstone package. It consists of off-white, finely banded, relatively pure calcite. On the east side the property the marble forms a massive unit up to 140 m thick. To the west the unit thins to 1 m or less.

Intrusive Suite

Foliated granodiorite (sGD) underlies the stratigraphic sequence and is the dominant lithology in the southern part of the property. It consists of quartz, pink feldspar and hornblende augen in a fine grained, pale green muscovite-chlorite matrix. The upper contact with the overlying quartzites (MSQZ) is highly stained. With increasing depth the unit becomes more granular and hornblende augen becomes more abundant. Locally feldspars are partially altered to olive green epidote. The foliation in the granodiorite is consistent with the S1 foliation of the overlying quartzites.

Foliated felsic gneiss (sFG) occurs in a 50 to 65 m thick sill complex within the Upper Greenstone Package. This unit was previously mapped as a feldspar porphyry breccia and is confined to the west side of the property. The gneiss consists of quartz, feldspar and muscovite and is pale grey to white, fine grained and highly strained. Locally it contains small white feldspar augen and extremely elongate xenoliths of bleached, pale green chloritic phyllite.

Pyroxenite ultramafic (um) is part of a large thrust sheet in the northwestern part of the property. It is typically brown weathering, medium grained, strongly magnetic and serpentinized. Although generally unfoliated, locally it shows weak foliation with a coarse shear banding texture.

Gabbro (GB) is also part of the thrust sheet and is the dominant unit on the northwestern corner of the property. Normally it is medium grained with randomly oriented clusters of white plagioclase laths in a dark green interstitial mafic matrix. Locally it is cut by numerous small, irregular plagioclase veinlets. The gabbro contains xenoliths of pyroxenite (um) and is cut by granodiorite (GD) dykes and sills. Thin dykes of fine grained, pale green andesite porphyry containing scattered 1 cm hornblende phenocrysts are also found in the gabbro.

Granodiorite (GD) is thrust over the Upper Greenstone Package on the north side of the property. It consists of quartz, plagioclase, K-feldspar and hornblende which is partially to completely replaced by green chlorite. Quartz grains characteristically exhibit a faint bluish tinge. The rocks are unfoliated, equigranular and coarse grained.

Structure on the property is upright with all units dipping moderately to the north. Two foliations are evident within the stratigraphic units and some of the intrusive rocks. Phase 1 deformation fabric is the dominant structural element consisting of a pervasive slaty cleavage to *foliation developed approximately parallel to compositional banding*. The average Phase 1 orientation is 080/31 NW. Phase 2 deformation is generally a spaced fracture cleavage with a mean orientation of 072/55 NW.

The highest structural unit is an unfoliated intrusive suite consisting of Early Mississippian pyroxenites, gabbros and granodiorites. It is separated from the underlying Upper Greenstone Package by a shallow north-dipping thrust fault. Measurements on the fault surface average about 075/18N, which is approximately parallel to Phase 1 deformation of the underlying greenstones. Late steep faults of variable orientations are also present throughout the property.

PROPERTY GEOCHEMISTRY

Grid and contour soil sampling was done in a few areas on the property in 1997 to supplement earlier soil geochemical coverage (Wengzynowski, 1996; Burgert, 1997). The 1997 soil samples were collected at 100 m intervals on contour sample lines or at a 50 by 50 m spacing on a detailed grid over one of the known showings. Figure 7 shows the location of all samples taken from the property since 1995.

The samples were sent to Chemex Labs Ltd. in North Vancouver, B.C. where they were dried, sieved to -80 mesh, digested in nitric-aqua regia and geochemically analyzed for 32 elements using the Induced Coupled Plasma (ICP) technique. Selected samples were analyzed for gold using a fire assay preparation and atomic absorption finish. Certificates of Analysis for the 1997 samples appear in Appendix III.

Copper, lead, zinc and cobalt values for all samples taken from the property since 1995 are plotted on Figures 8 to 11, respectively while anomalous thresholds and peak values for seven VMS indicator elements are tabulated below.

<u>Element</u>	<u>Weak</u>	<u>Threshold Values (ppm*)</u>			<u>Peak Value</u>
		<u>Moderate</u>	<u>Strong</u>		
Copper	50	100	200	1830	
Lead	50	100	200	7090	
Zinc	200	500	1000	8100	
Cobalt	30	50	80	155	
Molybdenum	2	5	10	44	
Silver	1	2	5	59	
Gold	25	50	100	910	

*except gold which is expressed in ppb

Four large areas of anomalous soil geochemical response have been delineated. Each has a characteristic metal suite and is associated with specific rock types, as detailed in the following paragraphs. Several subsidiary anomalies have also been outlined.

The east anomaly is an 1800 by 600 m area of weakly anomalous copper and molybdenum response within which are north-northwesterly and north-northeasterly linear trends of moderately and strongly anomalous values that are likely the 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. Most of the anomaly is underlain by foliated granodiorite but the strongest multi-element response lies downhill from mineralized skarn zones developed in a roof pendant of Lower Quartzite Package rocks (see Bell Showing in Mineralization and Hand Trenching section). Reconnaissance prospecting also located malachite-stained granodiorite float during contour sampling traverses in the southern part of the anomaly.

The central anomaly straddles a north-trending ridge and is underlain by quartzites and chlorite phyllites. It is about 700 m long and up to 600 m wide. Copper, lead, zinc and molybdenum response is approximately coincident while weakly anomalous gold and silver values are confined to the western half of the anomaly.

The western anomaly is a 2400 by 800 m zone of weakly anomalous copper and molybdenum response associated with chlorite schist and foliated felsic gneiss. Cobalt is locally anomalous but lead, zinc, silver and gold response is subdued, except in a subsidiary anomaly on

the northeastern side of the main zone (see Tempelman-Kluit Showing in Mineralization and Hand Trenching section). Massive foliaform pyrite and magnetite lenses are found in the chlorite schist unit near the centre of the anomaly (see Pigage Showing in the Mineralization and Hand Trenching section).

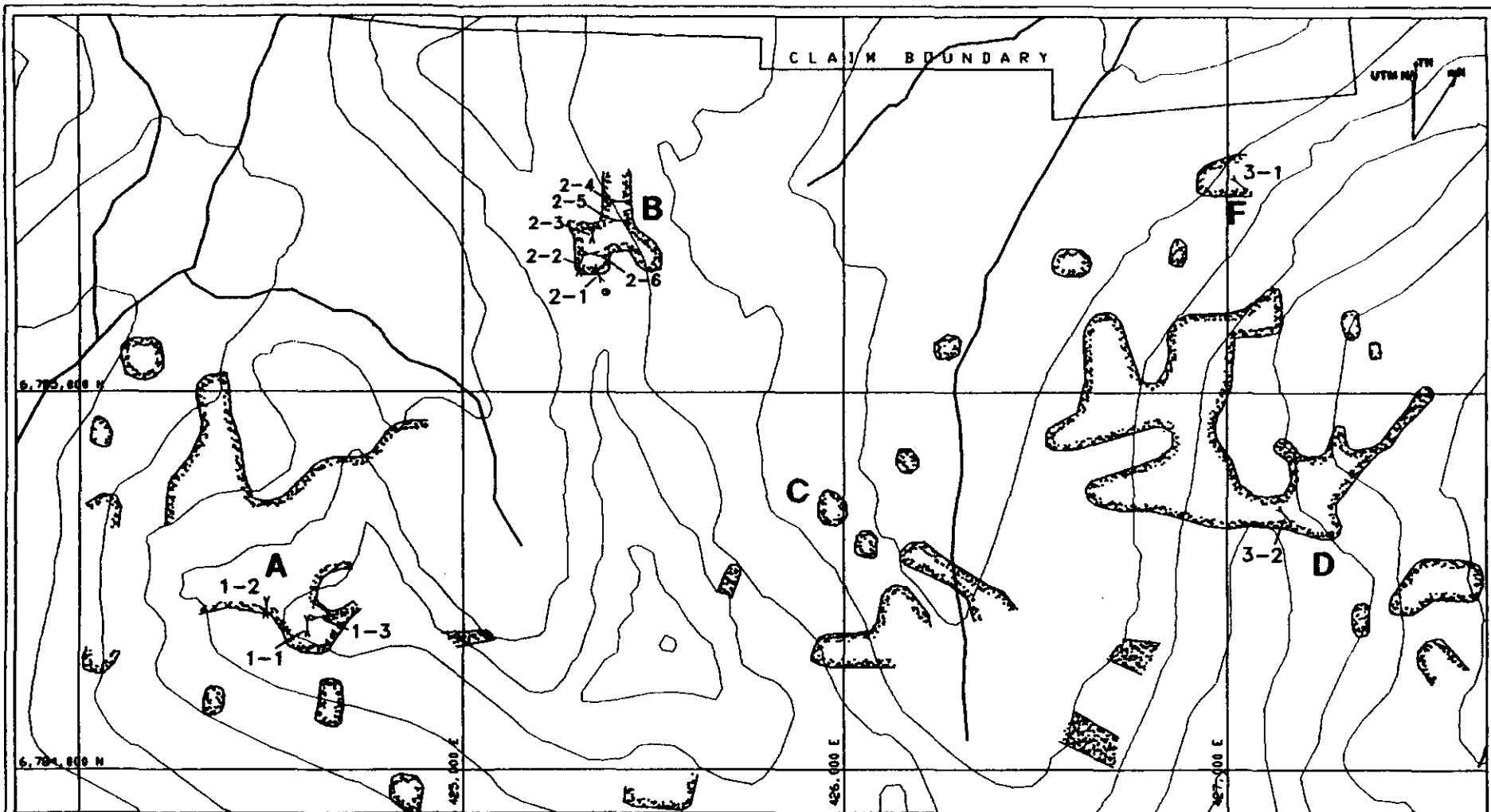
The northwestern anomaly was defined by three contour sampling lines spaced about 200 m apart. It is approximately 1800 m long by 600 m wide. Coincident moderately to extremely anomalous copper and cobalt values define the target while lead, zinc and silver values are near background. This anomaly is in an area underlain by the intrusive suite and is generally strongest downhill from a pyroxenite ultramafic body.



MINERALIZATION AND HAND TRENCHING

Figure 6 shows the location of six mineral occurrences that have been discovered in various structural and stratigraphic settings on the property. Foliaform sulphide mineralization has been discovered in three areas within the Lower Quartzite and the Upper Greenstone Packages (Tempelman-Kluit, Pigage and Owerko Showings). The other showings are intrusive hosted (Sax Showing), skarn related (Bell Showing) and fracture controlled (Downs Showing). The location of hand trenches dug in 1996 and 1997 are shown on Figure 12.

The Pigage Showing (A on Figure 6) consists of foliaform pyrite bands and lenses occurring with quartz and lesser magnetite in rusty orange to yellow weathering pyritic chloritic phyllite. The pyrite bands parallel compositional banding and range from 20 cm to 4 m in thickness. They contain up to 1 cm thick interbands of fine grained magnetite. The largest pyrite body is exposed on a dip slope over an area 60 m in diameter. Ferricrete has formed at the base of the cliffs below the showing. Samples from outcrop and three hand trenches dug in the area returned low values for all metals (Burgert, 1997 and Figures 13 and 14).

The Tempelman-Kluit Showing (B on Figure 6) underlies a 300 m long, up to 7 m wide recessive gully containing rusty soil, limonite boxwork fragments and massive magnetite float up to 5 cm in diameter. Six trenches were dug in 1997 (Figures 14 to 19). The most southerly trench (2-1) exposed a 0.5 m thick zone of fine grained pyrite that parallels compositional banding in the chloritic phyllite wallrocks. Specimens of this material returned up to 2390 ppm lead and 58.6 ppm silver. The other trenches all bottomed in oxidized material, samples of which returned



-  Cu geochemistry moderate threshold (>100ppm)
-  Hand trench

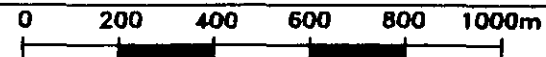
EXPATRIATE RESOURCES LTD.

FIGURE 12

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

HAND TRENCH LOCATION

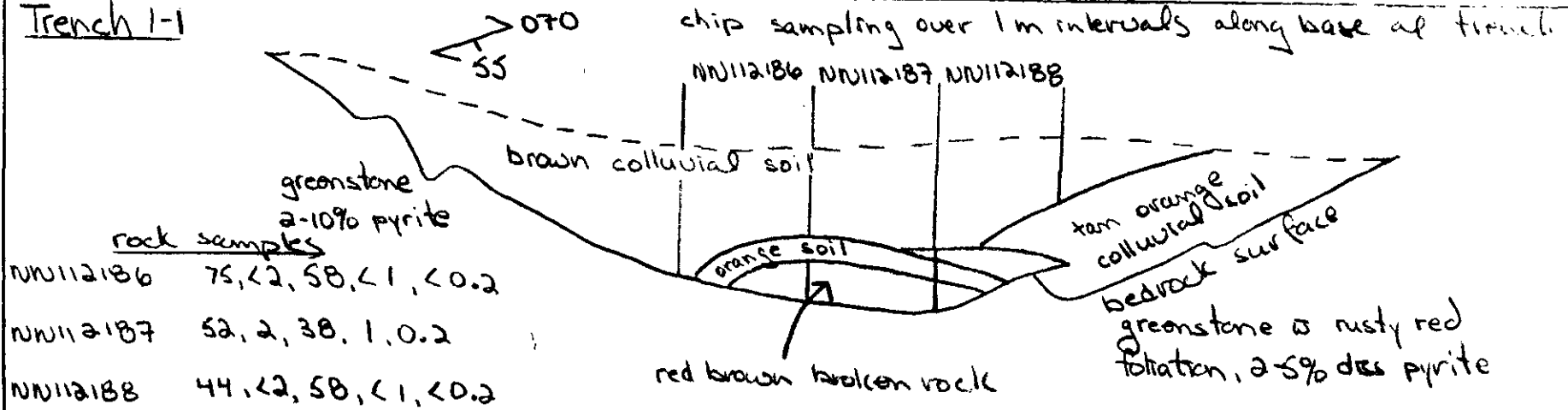
SHUTOUT PROPERTY



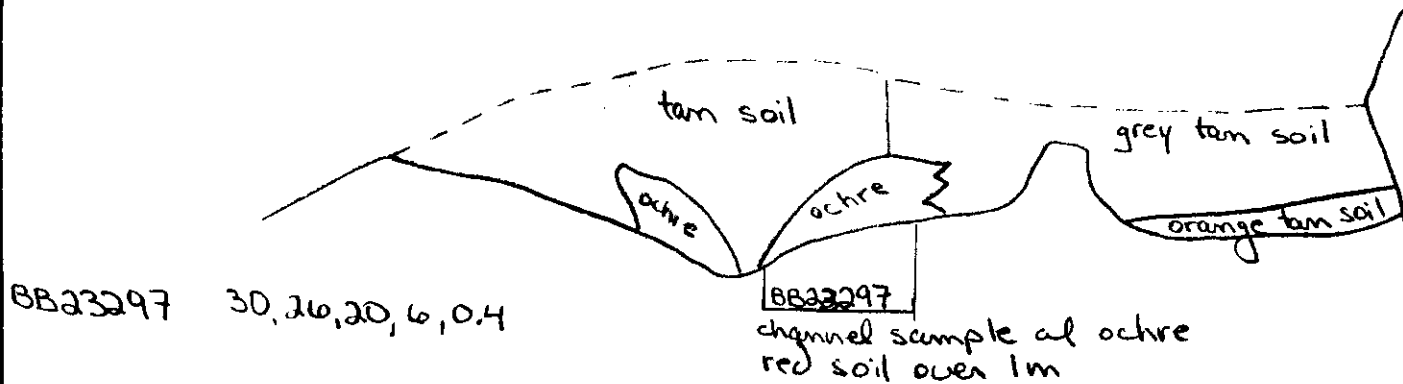
DRAWN/REVISED BY: JG/MS
FILE: PPA/SOUP/ARCHER/12HDLOC.DWG

PROJECT: PP
DATE: 02.10.1987

Trench 1-1

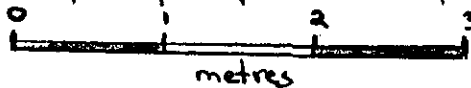


Trench 1-2



BB23297 - sample number

573, 210, 100, 40, 6.8 - Cu, Pb, Zn, Mo, Ag in ppm



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FIGURE 13
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**CROSS SECTION
TRENCHES 1-1, 1-2**

SHUTOUT PROPERTY

DRAWN/REVISED BY: RFG

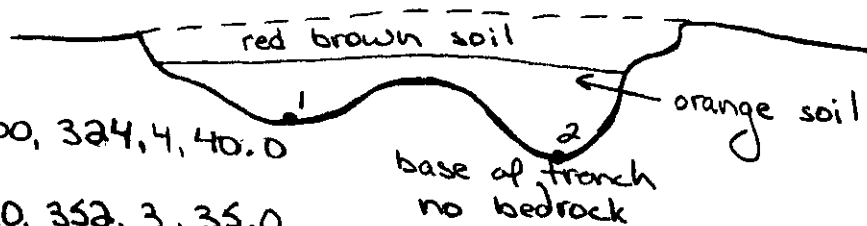
PROJECT: FP

FILE:

DATE: MAY, 1998

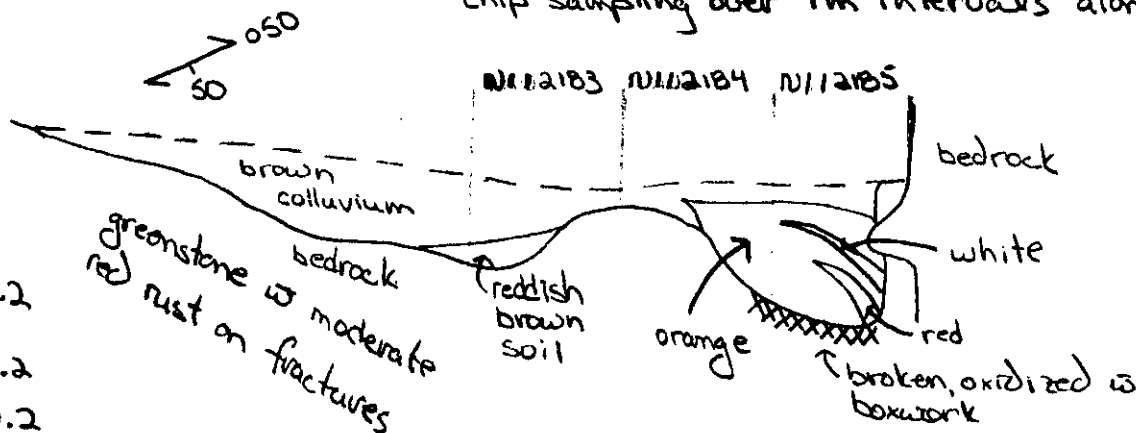
Trench 2-3

- 1 BB 23333 1020, 5600, 324, 4, 40.0
- 2 BB 23332 1030, 4790, 352, 3, 35.0



Trench 1-3

chip sampling over 1m intervals along base of trench

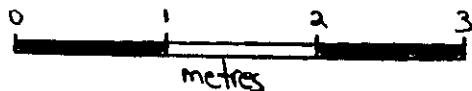


rock samples

- N112183 56, <2, 68, <1, <0.2
- N112184 45, <2, 60, <1, <0.2
- N112185 57, <2, 40, <1, <0.2

BB 23332 - sample number

573, 210, 100, 40, 6.8 - Cu, Pb, Zn, Mo, Ag in ppm



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FIGURE 14

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**CROSS SECTION
TRENCHES 1-3, 2-3**

SHUTOUT PROPERTY

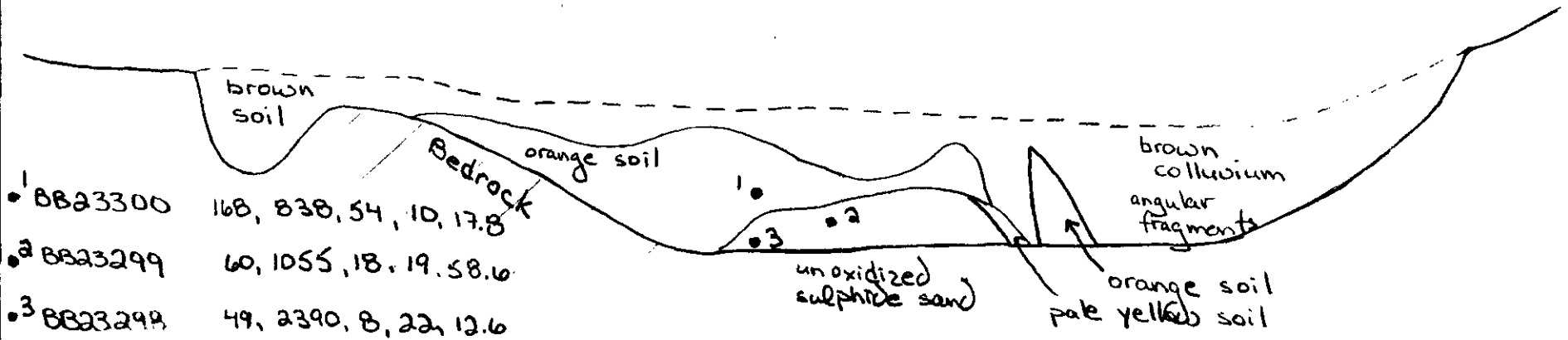
DRAWN/REVISED BY: RFG

PROJECT: FP

FILE:

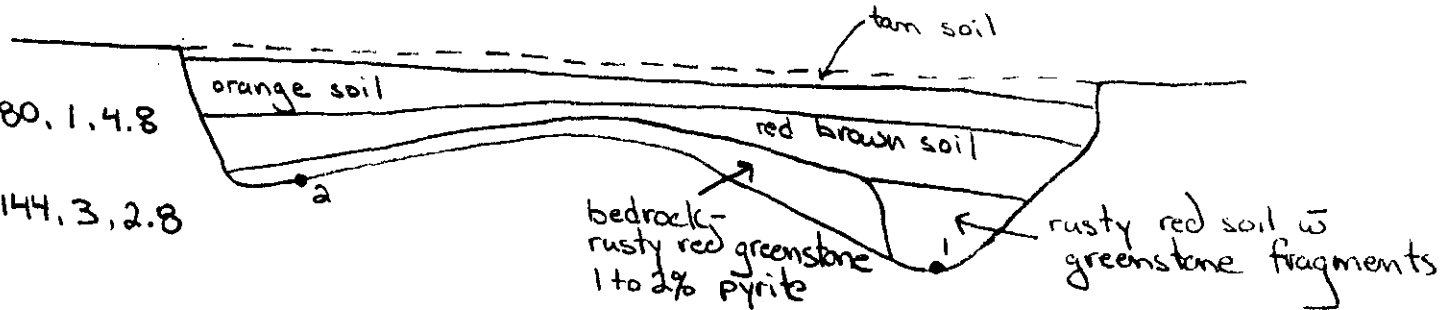
DATE: MAY, 1988

Trench 2-1



• 1	BB23300	168, 838, 54, 10, 17.8
• 2	BB23299	60, 1055, 18, 19, 58.6
• 3	BB23298	49, 2390, 8, 22, 12.6

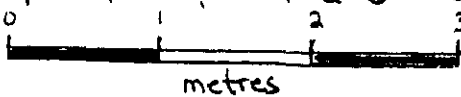
Trench 2-2



• 1	BB23334	573, 210, 80, 1, 4.8
• 2	BB23335	647, 208, 144, 3, 2.8

BB23297 - sample number

573, 210, 100, 40, 6.8 - Cu, Pb, Zn, Mo, Ag in ppm



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FIGURE 15
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**CROSS SECTION
TRENCHES 2-1, 2-2**

SHUTOUT PROPERTY

DRAWN/REVISED BY: HFG

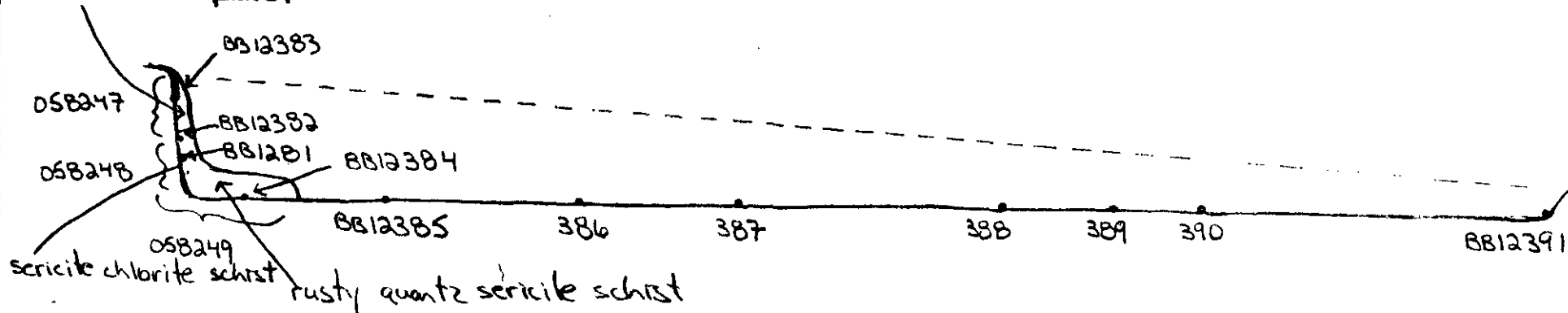
PROJECT: FP

FILE:

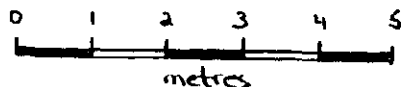
DATE: MAY, 1998

rusty felsic rock
(loose but in place)

Trench 2-4



Sample	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mn (ppm)	Ag (ppm)	Au (ppb)	Sample Description
BB12381	459	39900	4120	10	373.4	370	
382	229	2780	276	5	11.8	60	orange soil
383	439	462	338	9	3.8	30	
384	254	456	478	5	1.6	30	green sandy soil
385	340	1745	454	6	8.8	55	orange, sandy brown soil
386	1885	310	1470	8	3.2	20	rusty orange fine gr soil
387	597	1680	882	4	12.2	60	orange brown silty soil
388	687	1590	1035	2	14.4	80	rusty brown soil
389	1020	4960	1395	8	48.4	235	light brown soil
390	912	3640	1290	4	37.8	190	light brown soil
391	1020	1960	1695	2	17.8	100	brown clay
058247	144	228	92	1	2.9	5	rock chip sample over 1.0m
248	157	3440	208	1	8.0	100	
249	59	102	92	1	0.4	45	over 1.5m



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FIGURE 16
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**CROSS SECTION
TRENCH 2-4**

SHUTOUT PROPERTY

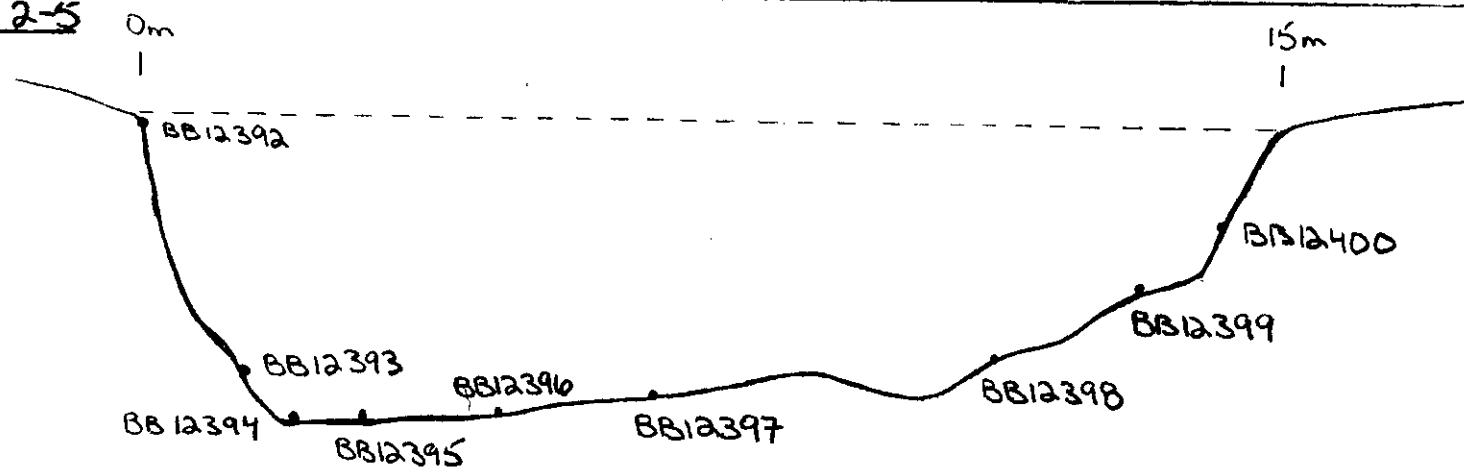
DRAWN/REVISED BY: RFG

PROJECT: FP

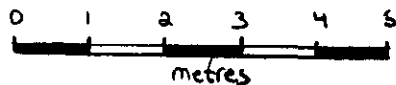
FILE:

DATE: MAY, 1998

Trench 2-5



Sample	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mn (ppm)	Ag (ppm)	Au (ppb)	Sample Description
BB12392	501	1150	366	4	8.2	70	
393	343	204	176	3	1.8	5	fine brown grey sand
394	712	1610	328	6	13.8	200	permafrost
395	1290	368	412	9	5.4	100	brown soil
396	755	494	408	5	3.0	30	rusty brown coarse grained soil
397	1635	398	1450	3	1.6	25	light grey brown
398	1030	876	1020	2	4.2	55	brown soil
399	894	918	1120	5	23.8	440	brown soil
12400	415	1190	366	3	12.0	115	brown soil



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FIGURE 17

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**CROSS SECTION
TRENCH 2-5**

SHUTOUT PROPERTY

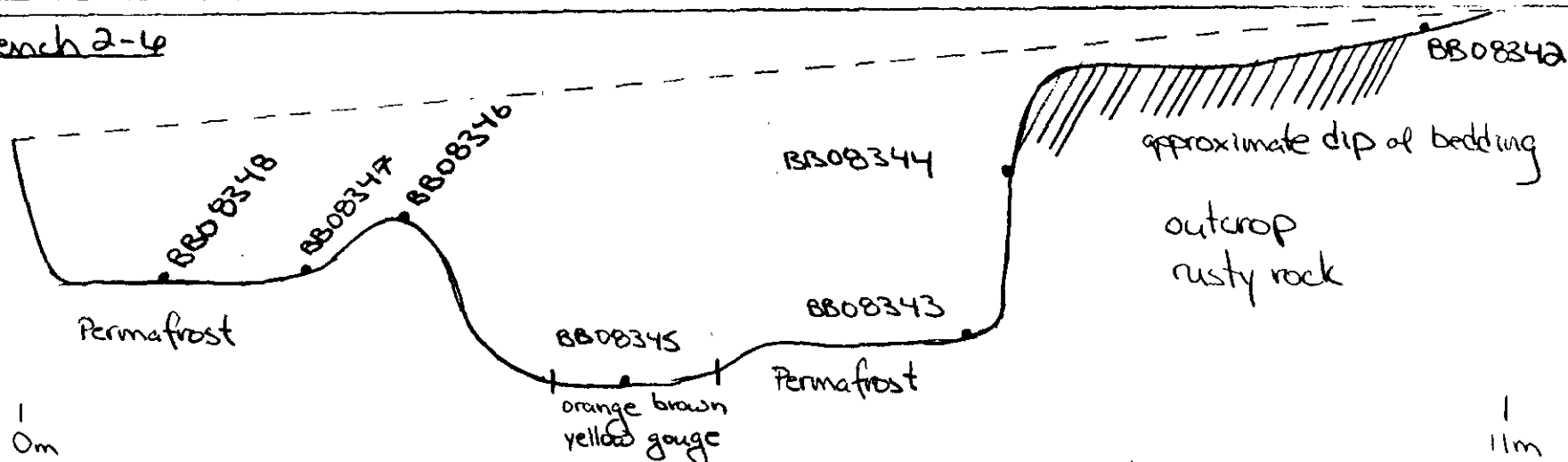
DRAWN/REVISED BY: RFC

PROJECT: FP

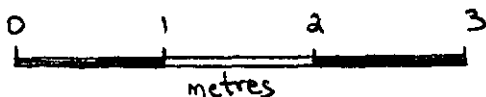
FILE:

DATE: MAY, 1998

Trench 2-6



Sample	Cu (ppm)	Pb (ppm)	Zn (ppm)	Mn (ppm)	Ag (ppm)	Au (ppb)	Notes
BB08342	739	194	300	<1	6.4	30	rusty purple soil from fractured bedrock
08343	544	2250	208	3	21.8	170	fine brown soil
08344	111	5650	22	16	100.0	1145	light orange brown soil
08345	574	1215	228	10	52.4	350	dark brown
08346	108	646	40	5	3.2	20	yellow gauge
08347	131	23900	38	9	115.0	730	yellow gauge
08348	444	1510	136	2	7.6	45	orange brown



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FIGURE 18

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**CROSS SECTION
TRENCH 2-6**

SHUTOUT PROPERTY

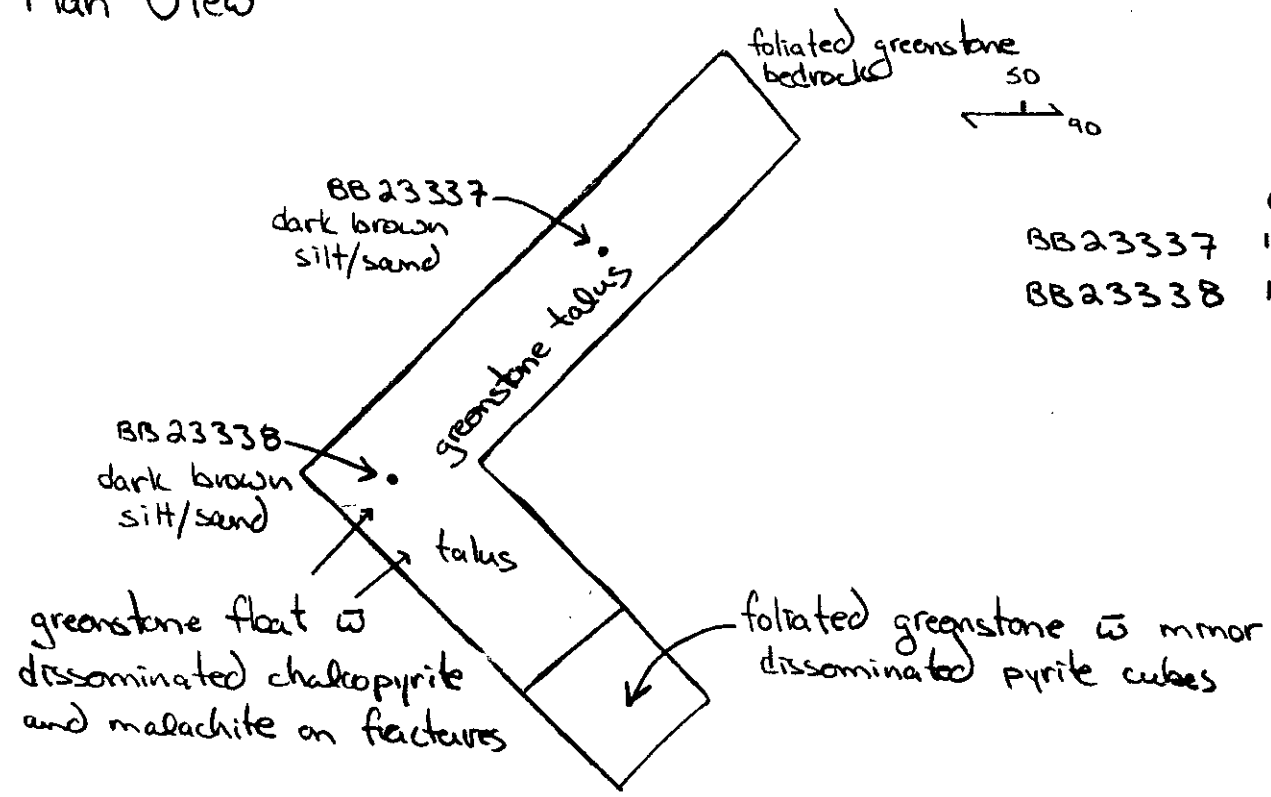
DRAWN/REVISED BY: RFG

PROJECT: FP

FILE:

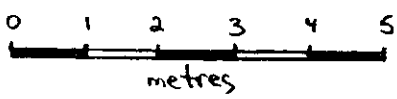
DATE: MAY, 1998

Trench 3-1
Plan View



PPM

	Cu	Pb	Zn	Ag	Mo
BB23337	1530	808	2700	7.0	5
BB23338	1830	358	758	6.0	6



EXPATRIATE RESOURCES LTD.

FIGURE 19
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

**PLAN VIEW
TRENCH 3-1**

SHUTOUT PROPERTY

DRAWN/REVISED BY: RFG	PROJECT: FP
FILE:	DATE: MAY, 1998

strongly anomalous values for copper (up to 1885 ppm), lead (up to 34,900 ppm), zinc (up to 4120 ppm), silver (up to 115 ppm) and gold (up to 1145 ppb). This appears to be a strongly leached massive sulphide occurrence.

The Owerko Showing (C on Figure 6) is a float locale discovered during a reconnaissance prospecting traverse in late summer 1997. A single, 10 cm in diameter cobble of yellow-red limonite boxwork was found at the base of a talus slope. A sample of this material returned 1575 ppm copper, 8650 ppm lead and 346 g/t silver. No attempt was made to trace the float to source. Based on the type of mineralization and the size of the cobble, it is unlikely that it travelled any significant distance. Massive pyrite float was collected nearby but was not submitted for analysis.

The Sax Showing (D on Figure 6) consists of disseminated and banded pyrite, galena and red sphalerite which are believed to occur in a small roof pendant surrounded by foliated granodiorite. The showing was hand trenched in 1996 (Trench 3-2) and is described in Burgert, 1997. A series of chip samples over a 5.6 m length averaged 1.34% lead and 0.53% zinc. The southern end of the trench exposes relatively fresh felsic volcanics while the northern end terminates in a gossanous zone, a specimen of which assayed 1.22% lead and 0.89% zinc.

The Bell Showing (E on Figure 6) consists of dark brown sphalerite with lesser pyrite and trace galena occurring as disseminations and bands within epidote-garnet-chlorite skarns. The mineralized skarns (qzMB) are developed in marble horizons within a roof pendant of Lower Quartzite Package rocks that is surrounded by foliated granodiorite. Specimens of sphalerite-rich skarn assayed up to 15.60% zinc (Burgert, 1997) but the average grade is much lower, probably 1 to 2%.

The Downs Showing (F on Figure 6) is located near the highest copper soil geochemical value (1345 ppm) on the property. A hand trench dug 10 m uphill from the sample site exposed weakly foliated greenstone bedrock plus several cobble sized fragments of angular greenstone talus containing malachite and weak chalcopyrite on fractures. Two soil samples taken from the trench floor returned strongly anomalous values up to 1830 ppm copper, 808 ppm lead and 2700 ppm zinc.

CONCLUSIONS AND RECOMMENDATIONS

The Shutout property is largely underlain by rocks that are correlated to the lower and middle units of the Layered Metamorphic Sequence. These rocks are favourable for VMS mineralization and host the nearby Fyre Lake Deposit.

Soil sampling has defined four large areas of anomalous geochemical response while prospecting has located several mineral occurrences in outcrop and float. Three of the mineral occurrences (Pigage, Tempelman-Kluit and Downs) are hosted by chloritic phyllite and occur at about the same stratigraphic level relative to the underlying foliated felsic gneiss. The chloritic phyllite is a mafic metavolcanic while the foliated felsic gneiss could be a rhyolite dome or a vent proximal flow. Along strike to the east a marble horizon occurs at about the same stratigraphic level as the mineralization. The marble is significant as it marks a period of volcanic quiescence during which a submarine VMS deposit could have formed.

The massive sulphide occurrences within the chloritic phyllite are the most promising exploration targets on the property. The host stratigraphy should be systematically prospected and hand trenched along strike. Detailed prospecting and trenching should also be done in the vicinity of the Owerko occurrence. Anomalous copper and cobalt values on contour soil lines in the northwestern corner of the property should receive follow up prospecting with particular attention to the contacts between the pyroxenite ultramafic and surrounding gabbro. The Sax and Bell occurrences are low priority targets.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED


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

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APPENDIX I

AUTHOR'S STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

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

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



W. Douglas Eaton, B.A., 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 Limited base station at Wolverine Lake; WL = Ministry of Environment, Lands and Parks base station at Williams Lake; DL = Ministry of Environment, Lands and Parks base station at Dease Lake; RR = Department of Renewable Resources (Forestry) at Whitehorse.

A. Expatriate Resources Ltd. Claim Posts

Claim	Posts 1	Posts 2	UTM Coordinates		Data Quality	Base Station	Date
			Northing	Easting			
Shutout	1, 2	-	-	-	N/S	-	-
	3, 4	1, 2	6783677	422570	Standard	W	17-Aug-96
	5, 6	3, 4	6784088	422584	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					
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	6785052	425294	Standard	RR	03-Aug-97
	47, 48	45, 46	6785501	425320	Standard	RR	03-Aug-97
	-	47, 48	6786032	425333	Standard	RR	03-Aug-97
Shutout	49, 50	-	-	-	N/S	-	-
	51, 52	49, 50	6783546	426140	Standard	RR	03-Aug-97
	53, 54	51, 52	-	-	N/S	-	-
	55, 56	53, 54	6784509	426139	Standard	RR	03-Aug-97
	57, 58	55, 56	-	-	N/S	-	-
	59, 60	57, 58	-	-	N/S	-	-
	-	59, 60	-	-	N/S	-	-
Shutout	61, 62	-	6783140	427038	Standard	RR	11-Aug-97

Claim	Posts 1	Posts 2	UTM Coordinates		Data Quality	Base Station	Date
			Northing	Easting			
Shutout	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	-	-	
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	6784506	428643	Standard	RR	11-Aug-97
	93, 94	91, 92	-	-	N/S	-	-
	95, 96	93, 94	6785422	428823	Standard	RR	11-Aug-97
-	95, 96	6785874	428852	Standard	RR	11-Aug-97	
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	6782768	426534	Standard	RR	11-Aug-97
	121, 122	119, 120	6782764	426901	Standard	RR	11-Aug-97
	123, 124	121, 122	6782759	427342	Standard	RR	11-Aug-97
	125, 126	123, 124	6782710	427831	Standard	RR	11-Aug-97
	127, 128	125, 126	6782724	428249	Standard	RR	11-Aug-97
	129, 130	127, 128	6782590	428771	Standard	RR	11-Aug-97
	131, 132	129, 130	6782741	429171	Standard	RR	11-Aug-97
	133, 134	131, 132	6782700	429668	Standard	RR	11-Aug-97
	-	133, 134	6782757	430061	Standard	RR	11-Aug-97
	-	-	-	-	-	-	-
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

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

B. Geological Stations

Station	Sample No.	Comments	UTM Coordinates		Data Quality	Base Station	Date
			Northing	Easting			
TRENCH 1			6785488	425375	Standard	RR	25-Aug-97
TRENCH 1		Ai junction	6785296	425360	Standard	RR	03-Aug-97
TRENCH 2		middle of trench	6785409	425365	Standard	RR	26-Aug-97
TRENCH 2A		NW end of sax tr.	6784664	427144	Standard	RR	07-Aug-97
TRENCH 2B		NE end of tr. 2B	6785560	427023	Standard	RR	07-Aug-97
TRENCH 4			6784403	424614	Standard	RR	30-Jul-97
TRENCH 5			6784396	424593	Standard	RR	30-Jul-97
TRENCH 6			6784422	424488	Standard	RR	31-Jul-97
contour soils	BB17962		6786324	422507	Standard	RR	02-Aug-97
	BB17982		6785043	422741	Uncorrected		
contour soils	BB23306	0+500	6786795	422725	Standard	RR	02-Aug-97
	BB23328	2+800	6785146	422336	Poor	RR	02-Aug-97
contour soils	BB23343	0	6786808	422132	Standard	RR	02-Aug-97
	BB23355	1000	6785907	421933	Standard	RR	02-Aug-97
	BB23365	1900	6785351	421785	Standard	RR	02-Aug-97
contour soils	BB08349		6785541	425461	Standard	RR	30-Aug-97
	BB08354		6785794	425367	Poor	RR	30-Aug-97
soil sample	T34750		6785560	427014	Standard	RR	07-Aug-97
soil sample	T35612		6785385	425344	Standard	RR	03-Aug-97
soil sample	T35756		6784857	427084	Standard	RR	07-Aug-97
trench sample	BB08329		6785311	425311	Standard	RR	27-Aug-97
soil sample	BB08338		6785461	425383	Standard	RR	28-Aug-97
soil sample	BB08341		6785535	425366	Standard	RR	28-Aug-97
soil sample	BB23262		6785331	425352	Standard	RR	03-Aug-97
soil sample	BB03375		6784721	427126	Standard	RR	07-Aug-97

C. Claim Posts From Adjoining Claim Blocks

Claim	Posts 1	Post 2	UTM Coordinates		Data Quality	Base Station	Date
			Northing	Easting			
EXPO	262, 263	260, 261	6787134	430586	Uncorrected	-	12-Aug-97

APPENDIX III
CERTIFICATES OF ANALYSIS



Chemex Labs Ltd.

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

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

Project: SHUTOUT 1
 Comments:

Page: 1 of 1-A
 Total Pages: 1
 Certificate Date: 17-AUG-97
 Invoice No.: 19737000
 P.O. Number:
 Account: MPO

CERTIFICATE OF ANALYSIS A9737000

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
N112177	205 226	1.0	0.08	14	< 10	< 0.5	< 2	0.02	< 0.5	60	66	12 >15.00	< 10	< 1	< 0.01	< 10	0.04	20	< 1	
N112178	205 226	< 0.2	3.12	< 2	20	< 0.5	< 2	0.82	< 0.5	18	26	91 7.75	< 10	< 1	0.02	< 10	1.99	1100	< 1	
N112179	205 226	0.2	0.28	20	< 10	< 0.5	6	0.13	< 0.5	176	67	13 >15.00	< 10	< 1	0.23	< 10	0.03	15	45	
N112180	205 226	1.2	1.96	112	< 10	< 0.5	2	0.26	< 0.5	56	31	21 >15.00	< 10	< 1	0.01	< 10	1.10	390	32	
N112181	205 226	16.6	0.22	42	40	< 0.5	< 2	< 0.01	< 0.5	10	127	78 10.80	< 10	< 1	0.16	< 10	0.01	10	15	
N112182	205 226	0.8	2.76	154	10	< 0.5	< 2	1.26	< 0.5	20	24	151 6.06	< 10	< 1	< 0.01	10	1.84	695	< 1	
N112183	205 226	< 0.2	4.65	< 2	90	< 0.5	< 2	0.46	< 0.5	22	24	56 11.20	< 10	< 1	0.14	< 10	2.08	1085	< 1	
N112184	205 226	< 0.2	4.35	< 2	110	< 0.5	< 2	0.22	< 0.5	18	15	45 11.05	< 10	< 1	0.18	< 10	1.99	960	< 1	
N112185	205 226	< 0.2	2.65	< 2	170	< 0.5	< 2	0.16	< 0.5	3	41	57 12.70	< 10	< 1	0.62	< 10	1.33	520	< 1	
N112186	205 226	< 0.2	4.21	8	60	< 0.5	< 2	0.03	< 0.5	11	23	75 14.30	10	< 1	0.07	< 10	2.20	835	< 1	
N112187	205 226	0.2	2.79	12	140	< 0.5	8	0.01	< 0.5	3	65	52 13.05	< 10	< 1	0.23	< 10	1.54	530	1	
N112188	205 226	< 0.2	4.07	< 2	110	< 0.5	< 2	0.09	< 0.5	8	37	44 11.95	< 10	< 1	0.19	< 10	2.12	790	< 1	
N112189	205 226	77.8	0.16	262	10	< 0.5	80	< 0.01	0.5	16	67	65 >15.00	< 10	3	0.06	< 10	0.03	20	12	

CERTIFICATION: *Hart Buchler*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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

Project: SHUTOUT 1
Comments:

Page Number: 1-B
Total Pages: 1
Certificate Date: 17-AUG-97
Invoice No.: 19737000
P.O. Number:
Account: MPO

CERTIFICATE OF ANALYSIS A9737000

SAMPLE	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
N112177	205 226	< 0.01	< 1	10	< 2	< 2	< 1	< 1	0.01	< 10	20	5	< 10	12
N112178	205 226	< 0.01	6	1010	< 2	< 2	4	24	0.23	< 10	< 10	99	< 10	50
N112179	205 226	< 0.01	9	200	< 2	< 2	< 1	< 1	0.21	< 10	10	19	< 10	6
N112180	205 226	< 0.01	< 1	560	8	< 2	5	1	0.18	< 10	10	56	< 10	28
N112181	205 226	< 0.01	1	10	2	< 2	< 1	< 1	0.01	< 10	< 10	3	< 10	4
N112182	205 226	0.01	18	1730	4	< 2	7	50	0.30	< 10	< 10	111	< 10	58
N112183	205 226	< 0.01	6	1840	< 2	< 2	7	13	0.32	< 10	< 10	140	< 10	68
N112184	205 226	< 0.01	4	1660	< 2	< 2	6	17	0.27	< 10	< 10	134	< 10	60
N112185	205 226	< 0.01	3	1490	< 2	< 2	6	13	0.34	< 10	< 10	130	< 10	40
N112186	205 226	< 0.01	3	1500	< 2	< 2	15	47	0.46	< 10	< 10	195	< 10	58
N112187	205 226	< 0.01	2	1160	2	< 2	8	5	0.39	< 10	< 10	141	< 10	38
N112188	205 226	< 0.01	2	1480	< 2	< 2	8	4	0.41	< 10	< 10	115	< 10	58
N112189	205 226	< 0.01	11	50	2220	2	< 1	1	0.02	< 10	20	7	< 10	50

CERTIFICATION: *Hart Buehler*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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

Project: SHUTOUT-1
Comments:

Page: 1-A
Total Pages: 4
Certificate Date: 18-AUG-97
Invoice No.: I9737034
P.O. Number:
Account: MPO

CERTIFICATE OF ANALYSIS

A9737034

SAMPLE	PREP CODE		Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo
			ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm	ppm
BB17962	201	202	< 0.2	2.86	< 2	80	< 0.5	< 2	0.70	< 0.5	28	156	103	2.66	< 10	< 1	0.05	10	1.92	345	1
BB17963	201	202	< 0.2	2.28	8	90	< 0.5	< 2	0.65	< 0.5	18	140	93	2.25	< 10	< 1	0.04	10	1.27	285	1
BB17964	201	202	< 0.2	2.12	6	80	< 0.5	< 2	0.48	< 0.5	16	95	57	2.21	< 10	< 1	0.05	10	0.88	255	1
BB17965	201	202	< 0.2	2.75	4	70	< 0.5	< 2	0.67	< 0.5	24	156	85	2.46	< 10	< 1	0.04	10	1.83	270	1
BB17966	201	202	< 0.2	5.08	28	30	< 0.5	< 2	1.51	< 0.5	88	390	267	3.65	< 10	< 1	0.02	< 10	4.63	590	1
BB17967	201	202	< 0.2	5.49	82	20	< 0.5	< 2	1.28	< 0.5	104	422	322	4.38	< 10	< 1	0.03	< 10	5.20	765	1
BB17968	201	202	< 0.2	4.53	40	30	< 0.5	< 2	1.05	< 0.5	56	410	199	3.33	< 10	< 1	0.02	< 10	3.59	440	< 1
BB17969	201	202	< 0.2	4.55	32	30	< 0.5	< 2	1.14	< 0.5	67	233	201	3.77	< 10	< 1	0.04	< 10	4.96	630	1
BB17970	201	202	< 0.2	4.69	26	30	< 0.5	< 2	0.96	< 0.5	81	456	195	4.12	< 10	< 1	0.02	< 10	7.51	680	1
BB17971	201	202	< 0.2	4.00	50	40	0.5	< 2	1.15	< 0.5	52	134	177	5.48	< 10	< 1	0.05	10	3.32	1465	2
BB17972	201	202	< 0.2	5.06	96	20	< 0.5	< 2	1.45	< 0.5	59	522	335	4.20	< 10	< 1	0.05	< 10	4.50	870	1
BB17973	201	202	< 0.2	2.91	30	30	< 0.5	< 2	0.73	< 0.5	55	166	154	3.20	< 10	< 1	0.03	< 10	2.07	660	1
BB17974	201	202	< 0.2	4.43	18	30	< 0.5	< 2	1.35	< 0.5	88	206	369	4.21	< 10	< 1	0.05	< 10	3.43	905	1
BB17975	201	202	< 0.2	3.52	46	50	< 0.5	< 2	1.46	< 0.5	43	120	233	3.85	< 10	< 1	0.05	< 10	2.47	750	1
BB17976	201	202	< 0.2	3.66	4	150	< 0.5	< 2	1.02	< 0.5	56	92	121	3.84	< 10	< 1	0.04	< 10	2.70	890	1
BB17977	201	202	< 0.2	2.87	2	110	< 0.5	< 2	0.67	< 0.5	30	132	115	3.13	< 10	< 1	0.07	10	1.88	545	1
BB17978	201	202	< 0.2	2.47	12	100	0.5	< 2	0.36	< 0.5	17	84	58	3.40	< 10	< 1	0.06	10	0.99	595	1
BB17979	201	202	< 0.2	2.37	12	80	0.5	< 2	0.59	< 0.5	20	97	80	3.38	< 10	< 1	0.06	10	1.25	600	1
BB17980	201	202	< 0.2	2.99	16	50	< 0.5	< 2	0.75	< 0.5	27	162	75	2.89	< 10	< 1	0.04	10	2.00	430	1
BB17981	201	202	< 0.2	3.29	24	60	< 0.5	< 2	0.64	< 0.5	40	228	84	3.80	< 10	< 1	0.05	10	3.21	670	1
BB17982	201	202	< 0.2	4.65	38	70	< 0.5	< 2	0.66	< 0.5	73	298	113	4.03	10	< 1	0.03	< 10	5.03	1045	1
BB17983	201	202	< 0.2	3.81	< 2	70	< 0.5	< 2	0.79	< 0.5	29	50	19	5.85	10	< 1	0.08	< 10	3.00	790	3
BB17984	201	202	0.4	2.09	10	360	< 0.5	< 2	0.31	< 0.5	8	27	48	4.35	< 10	< 1	0.16	20	1.20	410	7
BB17985	201	202	0.2	2.01	16	280	< 0.5	< 2	0.26	< 0.5	11	30	67	4.24	< 10	< 1	0.21	20	1.20	460	6
BB17986	201	202	0.2	2.14	14	240	< 0.5	< 2	0.34	< 0.5	10	35	46	4.31	< 10	< 1	0.19	20	1.49	440	5
BB17987	201	202	0.6	2.25	14	380	< 0.5	< 2	0.37	< 0.5	8	32	57	5.12	10	< 1	0.26	20	1.67	410	7
BB17988	201	202	< 0.2	1.74	< 2	60	< 0.5	< 2	0.39	< 0.5	3	15	39	2.99	10	< 1	0.07	10	0.36	135	3
BB17989	201	202	< 0.2	2.96	< 2	80	< 0.5	< 2	0.59	< 0.5	13	22	12	6.52	10	< 1	0.09	< 10	1.35	745	2
BB17990	201	202	< 0.2	2.76	10	60	< 0.5	< 2	1.03	< 0.5	31	126	50	4.10	< 10	< 1	0.04	< 10	3.04	605	5
BB17991	201	202	< 0.2	2.55	< 2	50	< 0.5	< 2	0.98	< 0.5	14	29	8	4.26	10	< 1	0.06	< 10	1.56	450	2
BB17992	201	202	< 0.2	1.35	< 2	50	< 0.5	< 2	0.28	< 0.5	1	14	5	1.71	< 10	< 1	0.04	< 10	0.17	100	1
BB17993	201	202	< 0.2	2.67	2	80	< 0.5	< 2	0.53	< 0.5	12	34	21	4.55	< 10	< 1	0.07	10	1.29	490	2
BB17994	201	202	< 0.2	2.10	< 2	50	< 0.5	< 2	0.77	< 0.5	15	64	15	3.72	< 10	< 1	0.04	< 10	1.04	1415	1
BB17995	201	202	< 0.2	2.12	< 2	50	< 0.5	< 2	0.95	< 0.5	10	42	7	3.29	< 10	< 1	0.05	< 10	1.16	440	1
BB17996	201	202	< 0.2	2.82	2	50	< 0.5	< 2	0.98	< 0.5	24	137	38	3.72	< 10	< 1	0.04	< 10	2.54	555	1
BB17997	201	202	< 0.2	2.72	2	50	< 0.5	< 2	0.66	< 0.5	32	165	64	3.70	< 10	< 1	0.04	< 10	4.29	465	1
BB17998	201	202	< 0.2	3.62	22	40	< 0.5	< 2	0.76	< 0.5	65	290	138	3.86	10	< 1	0.02	< 10	6.26	630	1
BB17999	201	202	< 0.2	3.09	< 2	50	< 0.5	< 2	0.93	< 0.5	24	172	40	4.05	< 10	< 1	0.03	< 10	3.90	385	1
BB18000	201	202	< 0.2	2.34	< 2	40	< 0.5	< 2	0.84	< 0.5	16	108	20	2.89	< 10	< 1	0.03	< 10	2.64	325	1
BB23114	201	202	< 0.2	1.73	< 2	40	< 0.5	< 2	0.03	< 0.5	< 1	47	3	7.28	< 10	< 1	0.05	< 10	1.40	140	1

CERTIFICATION: *Hunter Buchler*



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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

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 Comments :

CERTIFICATE OF ANALYSIS A9737034

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
BB17962	201 202	0.01	140	380	2	< 2	5	27	0.08	< 10	< 10	47	< 10	50
BB17963	201 202	0.01	77	530	6	< 2	4	27	0.09	< 10	< 10	44	< 10	48
BB17964	201 202	0.01	65	580	4	< 2	4	24	0.09	< 10	< 10	45	< 10	56
BB17965	201 202	0.01	147	540	2	< 2	4	28	0.09	< 10	< 10	43	< 10	46
BB17966	201 202	0.01	378	250	10	< 2	8	48	0.09	< 10	< 10	52	< 10	62
BB17967	201 202	0.01	490	540	2	< 2	9	44	0.08	< 10	< 10	60	< 10	68
BB17968	201 202	0.02	292	240	6	< 2	8	44	0.11	< 10	< 10	69	< 10	60
BB17969	201 202	0.01	430	270	26	2	6	51	0.10	< 10	< 10	53	< 10	76
BB17970	201 202	0.01	719	200	20	< 2	6	37	0.08	< 10	< 10	40	< 10	70
BB17971	201 202	0.01	118	680	14	< 2	17	60	0.19	10	< 10	117	< 10	86
BB17972	201 202	0.01	267	530	16	< 2	15	39	0.10	< 10	< 10	79	< 10	72
BB17973	201 202	0.04	114	550	6	< 2	11	23	0.08	< 10	< 10	73	< 10	58
BB17974	201 202	0.03	186	360	2	< 2	16	30	0.09	< 10	< 10	94	< 10	66
BB17975	201 202	0.03	84	890	2	< 2	15	35	0.09	< 10	< 10	105	< 10	80
BB17976	201 202	0.03	71	480	2	2	16	27	0.12	< 10	< 10	96	< 10	60
BB17977	201 202	0.01	63	360	6	< 2	11	23	0.09	< 10	< 10	72	< 10	68
BB17978	201 202	< 0.01	33	490	10	< 2	7	24	0.09	< 10	< 10	73	< 10	62
BB17979	201 202	< 0.01	41	620	12	2	9	30	0.10	< 10	< 10	79	< 10	60
BB17980	201 202	0.01	110	300	8	< 2	6	47	0.11	< 10	< 10	59	< 10	54
BB17981	201 202	0.01	274	560	10	< 2	4	37	0.09	< 10	< 10	63	< 10	60
BB17982	201 202	0.01	384	590	20	< 2	5	45	0.09	< 10	< 10	52	< 10	112
BB17983	201 202	< 0.01	24	810	2	< 2	7	43	0.37	< 10	< 10	127	< 10	58
BB17984	201 202	0.01	21	760	72	< 2	3	39	0.11	< 10	< 10	65	< 10	114
BB17985	201 202	< 0.01	21	570	90	< 2	3	38	0.11	< 10	< 10	47	< 10	106
BB17986	201 202	< 0.01	19	790	30	< 2	3	33	0.15	< 10	< 10	61	< 10	72
BB17987	201 202	< 0.01	22	790	56	< 2	3	50	0.14	< 10	< 10	66	< 10	92
BB17988	201 202	< 0.01	4	290	32	< 2	4	37	0.33	< 10	< 10	95	< 10	18
BB17989	201 202	< 0.01	8	1000	8	< 2	5	42	0.31	< 10	< 10	123	< 10	62
BB17990	201 202	0.01	167	390	6	< 2	6	50	0.18	< 10	< 10	75	< 10	52
BB17991	201 202	< 0.01	20	540	2	< 2	6	59	0.32	< 10	< 10	101	< 10	48
BB17992	201 202	< 0.01	3	300	12	< 2	1	27	0.22	< 10	< 10	72	< 10	14
BB17993	201 202	< 0.01	24	500	8	< 2	4	36	0.24	< 10	< 10	76	< 10	52
BB17994	201 202	< 0.01	37	720	8	< 2	4	54	0.19	< 10	< 10	85	< 10	42
BB17995	201 202	< 0.01	31	520	4	< 2	5	65	0.24	< 10	< 10	88	< 10	36
BB17996	201 202	0.01	172	480	6	< 2	6	49	0.13	< 10	< 10	58	< 10	44
BB17997	201 202	0.03	377	360	8	< 2	4	37	0.09	< 10	< 10	49	< 10	58
BB17998	201 202	0.02	626	370	12	< 2	5	35	0.09	< 10	< 10	45	< 10	58
BB17999	201 202	0.02	221	200	4	< 2	4	37	0.10	< 10	< 10	48	< 10	52
BB18000	201 202	0.01	139	110	4	< 2	5	51	0.12	< 10	< 10	48	< 10	52
BB23114	201 202	< 0.01	4	800	< 2	< 2	4	5	0.21	< 10	< 10	40	< 10	12

CERTIFICATION:

Hart Buehler



Chemex Labs Ltd.

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 212 Brooksbank Ave., North Vancouver
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CERTIFICATE OF ANALYSIS A9737034

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
BB23248	201	1.8	3.63	4	190	1.5	< 2	0.59	3.5	28	18	328	5.54	< 10	< 1	0.15	50	1.45	1480	3
BB23249	201	64.0	2.57	90	190	0.5	92	0.36	0.5	12	28	325	9.13	< 10	5	0.38	20	1.12	680	8
BB23250	201	2.6	2.80	6	140	< 0.5	< 2	0.42	< 0.5	13	37	152	4.51	< 10	< 1	0.12	10	1.39	705	2
BB23256	201	2.6	2.84	14	200	0.5	< 2	0.36	< 0.5	14	45	193	5.12	< 10	< 1	0.13	10	1.45	820	3
BB23257	201	0.2	3.80	< 2	100	0.5	< 2	0.57	< 0.5	18	84	29	5.70	10	< 1	0.06	< 10	2.24	1020	2
BB23258	201	1.0	3.51	6	120	0.5	< 2	0.61	< 0.5	25	88	38	6.09	10	< 1	0.11	< 10	2.35	1445	2
BB23259	201	< 0.2	4.02	< 2	100	0.5	< 2	0.68	< 0.5	20	70	22	6.18	10	< 1	0.06	< 10	2.20	1100	2
BB23260	201	< 0.2	4.63	< 2	110	0.5	< 2	0.89	< 0.5	28	99	46	6.45	10	< 1	0.07	10	3.14	1220	2
BB23261	201	< 0.2	4.52	< 2	80	0.5	< 2	0.79	< 0.5	26	101	31	6.53	10	< 1	0.06	< 10	2.90	1430	2
BB23262	201	6.0	2.06	160	100	< 0.5	58	0.16	< 0.5	8	52	412	>15.00	10	1	0.41	< 10	0.91	465	8
BB23263	201	< 0.2	2.70	< 2	260	0.5	< 2	0.44	< 0.5	8	15	14	4.06	< 10	< 1	0.18	10	0.45	940	1
BB23264	201	< 0.2	1.99	< 2	90	0.5	< 2	0.64	< 0.5	7	19	12	2.54	< 10	< 1	0.10	30	0.57	470	1
BB23265	201	< 0.2	2.84	2	140	0.5	< 2	0.52	< 0.5	8	21	17	2.91	< 10	< 1	0.11	40	0.63	540	1
BB23266	201	< 0.2	3.04	2	260	0.5	< 2	0.38	< 0.5	8	12	12	3.98	< 10	< 1	0.18	20	0.43	970	1
BB23267	201	< 0.2	3.12	< 2	490	1.0	< 2	0.54	< 0.5	11	20	15	4.31	10	< 1	0.18	30	0.83	1120	1
BB23268	201	< 0.2	4.02	< 2	130	0.5	< 2	0.93	< 0.5	33	75	26	6.94	10	< 1	0.06	< 10	2.71	1975	2
BB23269	201	< 0.2	4.16	< 2	120	0.5	< 2	0.84	< 0.5	28	97	22	6.30	10	< 1	0.05	< 10	2.79	1880	1
BB23270	201	0.2	5.91	10	530	0.5	< 2	1.45	< 0.5	42	112	116	8.10	10	< 1	0.07	10	4.56	2060	3
BB23271	201	< 0.2	5.60	< 2	50	0.5	< 2	1.24	< 0.5	47	196	32	7.61	10	< 1	0.04	< 10	4.87	1970	1
BB23272	201	< 0.2	3.06	< 2	60	0.5	< 2	0.83	< 0.5	19	36	21	4.69	10	< 1	0.05	10	1.99	950	1
BB23273	201	< 0.2	3.59	2	200	0.5	< 2	1.18	< 0.5	15	19	22	3.70	< 10	< 1	0.11	20	1.17	920	1
BB23286	201	< 0.2	2.40	< 2	200	0.5	< 2	0.29	< 0.5	7	10	12	3.30	< 10	< 1	0.14	10	0.33	875	1
BB23287	201	< 0.2	1.71	< 2	70	< 0.5	< 2	0.26	< 0.5	6	10	16	2.11	< 10	< 1	0.08	20	0.36	440	1
BB23288	201	< 0.2	3.35	2	230	0.5	< 2	0.66	< 0.5	10	13	14	3.60	< 10	< 1	0.12	40	0.71	1070	1
BB23289	201	< 0.2	1.60	< 2	170	1.0	< 2	2.12	< 0.5	6	2	1	2.44	< 10	< 1	0.36	70	0.15	1055	1
BB23290	201	0.2	4.66	4	220	2.0	< 2	1.61	< 0.5	22	6	12	5.05	10	< 1	0.57	30	1.56	1225	2
BB23291	201	< 0.2	2.63	< 2	120	0.5	< 2	0.64	< 0.5	13	12	13	4.08	10	< 1	0.28	70	1.12	1075	1
BB23292	201	< 0.2	3.85	< 2	100	0.5	< 2	1.09	< 0.5	31	73	31	6.19	10	< 1	0.06	< 10	2.37	1410	2
BB23293	201	< 0.2	4.94	6	150	0.5	< 2	1.48	< 0.5	40	104	69	7.45	10	< 1	0.04	< 10	3.91	1625	2
BB23294	201	16.0	0.93	140	40	< 0.5	62	0.06	< 0.5	3	49	363	>15.00	10	2	0.64	< 10	0.45	170	11
BB23295	201	3.2	1.36	24	100	< 0.5	4	0.09	< 0.5	4	108	653	>15.00	10	1	0.19	< 10	0.71	155	2
BB23296	201	23.6	2.58	62	400	< 0.5	36	0.24	< 0.5	6	66	997	>15.00	10	2	0.24	< 10	1.35	425	4
BB23297	201	0.4	0.81	6	640	< 0.5	< 2	< 0.01	< 0.5	< 1	2	30	9.11	< 10	< 1	0.16	30	0.07	20	6
BB23298	201	12.6	0.09	184	20	< 0.5	414	< 0.01	< 0.5	< 1	8	49	>15.00	< 10	1	1.90	< 10	0.01	< 5	22
BB23299	201	58.6	0.01	288	< 10	< 0.5	38	< 0.01	< 0.5	25	1	60	>15.00	< 10	4	0.01	< 10	0.01	< 5	19
BB23300	201	17.8	0.61	92	80	< 0.5	66	0.06	< 0.5	3	53	168	>15.00	10	1	0.76	< 10	0.38	130	10
BB23301	201	0.4	2.55	2	100	0.5	< 2	0.39	< 0.5	12	70	27	4.76	< 10	< 1	0.07	10	0.73	740	1
BB23302	201	< 0.2	2.56	< 2	130	0.5	< 2	0.55	< 0.5	22	73	32	4.14	< 10	< 1	0.06	10	0.82	2300	1
BB23303	201	0.2	2.18	2	50	< 0.5	< 2	0.30	< 0.5	8	49	17	3.92	10	< 1	0.05	10	0.56	750	2
BB23304	201	< 0.2	3.74	< 2	120	< 0.5	< 2	1.42	< 0.5	28	138	78	2.82	10	< 1	0.03	< 10	2.16	440	1

CERTIFICATION: *[Signature]*



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BB23248	201 202	< 0.01	12	850	416	< 2	10	69	0.08	< 10	< 10	90	< 10	1580
BB23249	201 202	0.10	9	780	7090	14	7	60	0.12	< 10	< 10	59	< 10	476
BB23250	201 202	0.01	14	930	302	2	6	45	0.15	< 10	< 10	71	< 10	208
BB23256	201 202	0.01	17	720	304	< 2	6	39	0.16	< 10	< 10	76	< 10	298
BB23257	201 202	< 0.01	19	920	64	< 2	8	54	0.22	< 10	< 10	111	< 10	132
BB23258	201 202	0.01	20	740	280	< 2	9	59	0.26	< 10	< 10	111	< 10	214
BB23259	201 202	< 0.01	20	690	30	< 2	9	68	0.29	< 10	< 10	137	< 10	118
BB23260	201 202	< 0.01	28	590	30	< 2	13	82	0.33	< 10	< 10	133	< 10	142
BB23261	201 202	< 0.01	23	710	42	< 2	12	76	0.34	< 10	< 10	136	< 10	156
BB23262	201 202	0.06	8	1090	406	< 2	5	46	0.22	< 10	10	105	< 10	140
BB23263	201 202	0.01	5	900	28	< 2	3	65	0.02	< 10	< 10	80	< 10	50
BB23264	201 202	< 0.01	12	600	8	< 2	5	75	0.09	< 10	< 10	43	< 10	56
BB23265	201 202	< 0.01	16	570	12	< 2	5	80	0.05	< 10	< 10	42	< 10	78
BB23266	201 202	0.01	4	1210	20	< 2	2	62	0.01	< 10	< 10	70	< 10	52
BB23267	201 202	< 0.01	7	1010	18	< 2	4	70	0.03	< 10	< 10	77	< 10	68
BB23268	201 202	< 0.01	22	900	26	< 2	11	75	0.38	< 10	< 10	151	< 10	212
BB23269	201 202	< 0.01	22	1120	16	< 2	12	72	0.30	< 10	< 10	131	< 10	130
BB23270	201 202	< 0.01	31	570	12	< 2	18	127	0.35	< 10	< 10	142	< 10	198
BB23271	201 202	< 0.01	41	600	4	2	16	77	0.35	< 10	< 10	147	< 10	178
BB23272	201 202	< 0.01	15	540	12	< 2	9	64	0.25	< 10	< 10	84	< 10	120
BB23273	201 202	< 0.01	10	530	14	< 2	7	191	0.09	< 10	< 10	61	< 10	80
BB23286	201 202	< 0.01	4	980	18	< 2	2	49	0.01	< 10	< 10	50	< 10	60
BB23287	201 202	0.03	7	620	6	< 2	3	30	0.04	< 10	< 10	36	< 10	50
BB23288	201 202	0.01	8	730	16	< 2	5	100	0.01	< 10	< 10	45	< 10	78
BB23289	201 202	0.01	< 1	480	12	< 2	7	56	< 0.01	< 10	< 10	19	< 10	38
BB23290	201 202	0.01	6	660	20	< 2	13	229	0.03	< 10	< 10	78	< 10	88
BB23291	201 202	0.01	5	650	16	< 2	10	43	< 0.01	< 10	< 10	63	< 10	70
BB23292	201 202	< 0.01	23	790	20	2	11	69	0.35	< 10	< 10	137	< 10	144
BB23293	201 202	< 0.01	29	680	32	2	16	84	0.45	< 10	< 10	148	< 10	174
BB23294	201 202	0.15	5	900	1270	< 2	3	66	0.23	< 10	10	120	< 10	94
BB23295	201 202	0.02	7	680	248	< 2	6	29	0.14	< 10	10	172	< 10	118
BB23296	201 202	0.02	13	940	3740	14	6	54	0.13	< 10	10	108	< 10	306
BB23297	201 202	< 0.01	< 1	420	26	< 2	1	2	0.06	< 10	< 10	3	< 10	20
BB23298	201 202	1.47	< 1	620	2390	< 2	< 1	161	0.26	< 10	10	13	< 10	8
BB23299	201 202	< 0.01	25	10	1055	4	< 1	< 1	< 0.01	< 10	10	< 1	< 10	18
BB23300	201 202	0.14	5	890	838	< 2	2	85	0.21	< 10	< 10	128	< 10	54
BB23301	201 202	0.01	22	670	24	< 2	3	28	0.08	< 10	< 10	84	< 10	70
BB23302	201 202	0.01	28	700	20	< 2	2	49	0.08	< 10	< 10	77	< 10	90
BB23303	201 202	0.01	15	580	14	< 2	1	34	0.10	< 10	< 10	69	< 10	48
BB23304	201 202	0.03	109	260	4	< 2	6	53	0.16	< 10	< 10	56	< 10	46

CERTIFICATION:

Handwritten signature



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BB23305	201 202	< 0.2	3.22	2	< 10	< 0.5	< 2	1.64	< 0.5	33	191	89	2.61	< 10	< 1	0.01	< 10	3.42	360	1
BB23306	201 202	< 0.2	3.12	14	60	< 0.5	< 2	0.65	< 0.5	56	129	144	2.66	< 10	< 1	0.03	< 10	1.99	815	1
BB23307	201 202	< 0.2	6.84	20	10	< 0.5	< 2	1.33	< 0.5	155	187	475	4.49	10	< 1	0.01	< 10	5.43	670	2
BB23308	201 202	< 0.2	4.90	< 2	20	< 0.5	< 2	0.73	< 0.5	89	189	222	3.12	< 10	< 1	0.02	< 10	6.00	605	1
BB23309	201 202	< 0.2	6.21	< 2	< 10	< 0.5	< 2	1.70	< 0.5	78	176	221	3.37	< 10	< 1	0.01	< 10	7.50	485	2
BB23310	201 202	< 0.2	5.26	18	10	< 0.5	< 2	0.67	< 0.5	73	974	137	4.73	10	< 1	0.01	< 10	5.69	970	< 1
BB23311	201 202	< 0.2	1.98	6	50	< 0.5	< 2	0.15	< 0.5	9	56	25	3.06	< 10	< 1	0.03	10	0.70	260	1
BB23312	201 202	< 0.2	3.53	12	60	0.5	< 2	0.23	< 0.5	17	97	33	6.41	10	< 1	0.04	< 10	2.17	910	1
BB23313	201 202	< 0.2	2.39	14	50	< 0.5	< 2	0.26	< 0.5	14	112	56	3.17	< 10	< 1	0.03	< 10	1.16	375	1
BB23314	201 202	< 0.2	0.85	< 2	30	< 0.5	< 2	0.17	< 0.5	1	12	10	0.63	< 10	< 1	0.02	< 10	0.08	45	< 1
BB23315	201 202	< 0.2	2.24	< 2	50	< 0.5	< 2	0.55	< 0.5	12	128	46	2.51	< 10	< 1	0.03	10	1.23	230	1
BB23316	201 202	< 0.2	3.39	10	60	< 0.5	< 2	0.46	< 0.5	36	251	52	4.95	10	< 1	0.03	< 10	3.87	575	1
BB23317	201 202	0.2	3.25	2	70	< 0.5	< 2	0.50	< 0.5	23	185	51	4.35	10	< 1	0.04	< 10	1.84	640	1
BB23318	201 202	< 0.2	1.67	< 2	40	< 0.5	< 2	0.31	< 0.5	14	86	42	1.84	< 10	< 1	0.03	< 10	0.89	415	< 1
BB23319	201 202	< 0.2	4.23	12	40	< 0.5	< 2	0.68	< 0.5	63	187	152	4.39	10	< 1	0.03	< 10	4.06	1090	1
BB23320	201 202	< 0.2	2.01	10	30	< 0.5	< 2	0.34	< 0.5	15	102	35	2.57	< 10	< 1	0.04	< 10	1.40	340	1
BB23321	201 202	< 0.2	3.80	6	30	< 0.5	< 2	0.69	< 0.5	38	182	135	3.55	< 10	< 1	0.05	< 10	3.01	825	1
BB23322	201 202	< 0.2	1.50	2	40	< 0.5	< 2	0.22	< 0.5	14	80	58	1.10	< 10	< 1	0.03	< 10	0.86	205	< 1
BB23323	201 202	< 0.2	3.97	4	90	< 0.5	< 2	0.69	< 0.5	34	365	97	2.91	< 10	< 1	0.02	< 10	2.63	300	1
BB23324	201 202	< 0.2	2.61	2	80	< 0.5	< 2	0.35	< 0.5	24	152	39	4.19	10	< 1	0.05	< 10	1.46	1250	1
BB23325	201 202	< 0.2	2.56	10	100	< 0.5	< 2	0.45	< 0.5	22	127	44	4.38	< 10	< 1	0.07	< 10	1.59	680	1
BB23326	201 202	< 0.2	2.18	4	90	< 0.5	< 2	0.41	< 0.5	17	180	22	3.21	< 10	< 1	0.04	< 10	1.44	630	1
BB23327	201 202	< 0.2	2.93	8	130	< 0.5	< 2	0.36	< 0.5	23	155	31	4.81	< 10	< 1	0.04	< 10	2.02	810	1
BB23328	201 202	< 0.2	2.28	66	160	0.5	< 2	1.16	< 0.5	14	102	162	1.63	< 10	< 1	0.03	30	0.62	710	1
BB23329	201 202	< 0.2	2.57	2	180	0.5	< 2	0.73	< 0.5	15	73	25	3.44	< 10	< 1	0.11	30	1.63	795	1
BB23330	201 202	< 0.2	4.06	8	30	< 0.5	< 2	1.49	< 0.5	37	243	94	3.62	< 10	< 1	0.03	< 10	4.83	550	1
BB23331	201 202	< 0.2	1.98	24	10	< 0.5	< 2	0.79	< 0.5	80	947	22	5.94	< 10	1	0.04	< 10	>15.00	935	1
BB23332	201 202	35.0	3.40	108	230	< 0.5	50	0.12	< 0.5	9	90	1030	>15.00	10	2	0.33	< 10	2.18	610	3
BB23333	201 202	40.0	3.07	132	220	< 0.5	62	0.14	< 0.5	7	83	1020	>15.00	10	3	0.35	< 10	1.86	515	4
BB23334	201 202	4.8	0.77	178	10	< 0.5	30	0.01	< 0.5	< 1	41	573	>15.00	10	1	1.20	< 10	0.13	25	1
BB23335	201 202	2.8	1.84	30	180	< 0.5	12	0.11	< 0.5	6	122	647	>15.00	10	1	0.16	< 10	1.12	240	3
BB23343	201 202	< 0.2	2.88	4	10	< 0.5	< 2	1.20	< 0.5	32	190	87	2.70	< 10	< 1	0.01	< 10	3.29	360	1
BB23344	201 202	< 0.2	2.86	6	10	< 0.5	< 2	0.98	< 0.5	41	185	79	2.84	< 10	< 1	0.01	< 10	3.15	500	1
BB23345	201 202	< 0.2	2.73	< 2	70	< 0.5	< 2	0.25	< 0.5	7	55	10	2.82	10	< 1	0.03	10	0.64	345	1
BB23346	201 202	< 0.2	1.58	62	70	0.5	< 2	2.16	< 0.5	9	65	77	1.62	< 10	< 1	0.03	30	0.52	715	1
BB23347	201 202	< 0.2	2.33	2	90	< 0.5	< 2	0.40	< 0.5	9	55	17	3.08	10	< 1	0.03	< 10	0.85	330	1
BB23348	201 202	< 0.2	3.86	86	50	0.5	< 2	1.34	< 0.5	31	209	267	3.83	< 10	< 1	0.06	10	2.91	810	1
BB23349	201 202	< 0.2	3.61	18	40	< 0.5	< 2	0.74	< 0.5	25	184	37	4.60	10	< 1	0.03	< 10	2.73	730	1
BB23350	201 202	< 0.2	3.27	8	80	< 0.5	< 2	1.00	< 0.5	18	136	25	3.98	10	< 1	0.04	< 10	1.97	495	1
BB23351	201 202	< 0.2	3.23	4	40	< 0.5	< 2	0.62	< 0.5	18	153	30	4.39	< 10	< 1	0.03	< 10	1.85	510	1

CERTIFICATION: _____



Chemex Labs Ltd.

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

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

Page : 3-B
 Total : 4
 Certificate Date : 18-AUG-97
 Invoice No. : I9737034
 P.O. Number :
 Account : MPO

Project : SHUTOUT-1
 Comments :

CERTIFICATE OF ANALYSIS A9737034

SAMPLE	PREP CODE	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Zn ppm
BB23305	201 202	0.02	229	170	2	< 2	4	36	0.11	< 10	< 10	47	< 10	30
BB23306	201 202	0.05	144	500	10	< 2	4	29	0.07	< 10	< 10	50	< 10	44
BB23307	201 202	0.01	682	230	< 2	2	6	30	0.09	< 10	< 10	52	< 10	62
BB23308	201 202	0.02	661	430	4	< 2	4	18	0.06	< 10	< 10	26	< 10	48
BB23309	201 202	0.01	689	130	< 2	< 2	3	25	0.05	< 10	< 10	23	< 10	38
BB23310	201 202	0.01	349	330	< 2	< 2	8	26	0.11	< 10	< 10	67	< 10	70
BB23311	201 202	0.01	34	440	6	< 2	1	11	0.05	< 10	< 10	49	< 10	42
BB23312	201 202	< 0.01	39	760	< 2	< 2	5	19	0.09	< 10	< 10	128	< 10	56
BB23313	201 202	0.02	51	630	2	< 2	3	15	0.05	< 10	< 10	62	< 10	38
BB23314	201 202	0.06	3	310	4	< 2	< 1	8	0.03	< 10	< 10	16	< 10	8
BB23315	201 202	0.01	59	230	4	< 2	3	22	0.09	< 10	< 10	49	< 10	42
BB23316	201 202	0.01	280	470	4	< 2	3	25	0.09	< 10	< 10	80	< 10	106
BB23317	201 202	0.01	94	300	38	< 2	5	25	0.12	< 10	< 10	93	< 10	188
BB23318	201 202	0.03	54	940	4	< 2	1	15	0.02	< 10	< 10	36	< 10	30
BB23319	201 202	0.01	171	330	4	< 2	18	26	0.11	< 10	< 10	96	< 10	64
BB23320	201 202	0.02	76	550	6	< 2	2	19	0.07	< 10	< 10	48	< 10	48
BB23321	201 202	0.03	82	400	4	< 2	15	21	0.05	< 10	< 10	81	< 10	58
BB23322	201 202	0.06	44	380	4	< 2	2	11	0.03	< 10	< 10	22	< 10	22
BB23323	201 202	< 0.01	97	290	2	< 2	8	36	0.09	< 10	< 10	63	< 10	62
BB23324	201 202	0.01	41	690	6	< 2	4	24	0.08	< 10	< 10	104	< 10	68
BB23325	201 202	< 0.01	45	490	8	< 2	7	31	0.08	< 10	< 10	90	< 10	54
BB23326	201 202	0.01	73	490	6	< 2	3	31	0.06	< 10	< 10	65	< 10	52
BB23327	201 202	0.01	121	470	8	< 2	3	30	0.07	< 10	< 10	85	< 10	80
BB23328	201 202	0.02	67	1190	8	< 2	6	40	0.01	< 10	< 10	41	< 10	32
BB23329	201 202	0.01	43	390	6	< 2	6	55	0.05	< 10	< 10	47	< 10	90
BB23330	201 202	0.01	256	190	2	< 2	7	35	0.09	< 10	< 10	59	< 10	48
BB23331	201 202	< 0.01	1245	70	< 2	< 2	6	8	0.01	< 10	< 10	40	< 10	30
BB23332	201 202	0.03	22	1500	4790	24	6	41	0.22	< 10	< 10	111	< 10	352
BB23333	201 202	0.04	17	1550	5600	32	6	44	0.22	< 10	< 10	103	< 10	324
BB23334	201 202	0.11	< 1	1150	210	< 2	3	43	0.23	< 10	< 10	93	< 10	80
BB23335	201 202	0.01	10	1260	208	< 2	8	36	0.24	< 10	< 10	156	< 10	144
BB23343	201 202	0.01	215	170	8	< 2	4	30	0.10	< 10	< 10	46	< 10	32
BB23344	201 202	0.01	199	250	8	< 2	4	25	0.09	< 10	< 10	46	< 10	36
BB23345	201 202	0.01	18	250	10	< 2	3	19	0.03	< 10	< 10	68	< 10	34
BB23346	201 202	0.01	26	780	8	< 2	3	49	0.02	< 10	< 10	65	< 10	42
BB23347	201 202	0.01	21	220	14	< 2	4	41	0.16	< 10	< 10	69	< 10	58
BB23348	201 202	0.03	135	570	8	< 2	32	46	0.06	< 10	< 10	91	< 10	80
BB23349	201 202	0.01	85	180	6	< 2	7	40	0.13	< 10	< 10	110	< 10	82
BB23350	201 202	0.01	57	200	8	< 2	6	45	0.12	< 10	< 10	91	< 10	94
BB23351	201 202	0.02	59	250	8	< 2	6	33	0.14	< 10	< 10	105	< 10	62

CERTIFICATION: Hart Bickler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
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 PHONE: 604-984-0221 FAX: 604-984-0218

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

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 Total Pages: 4
 Certificate Date: 18-AUG-97
 Invoice No.: 19737034
 P.O. Number:
 Account: MPO

Project: SHUTOUT-1
 Comments:

CERTIFICATE OF ANALYSIS A9737034

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
BB23352	201 202	< 0.2	3.69	< 2	30	< 0.5	< 2	0.44	< 0.5	21	151	46	3.61	< 10	< 1	0.02	< 10	1.88	400	1
BB23353	201 202	< 0.2	1.29	2	40	< 0.5	< 2	0.24	< 0.5	9	61	33	1.96	< 10	< 1	0.03	< 10	0.71	310	< 1
BB23354	201 202	0.2	3.77	134	20	< 0.5	< 2	1.17	< 0.5	50	248	262	3.65	< 10	< 1	0.03	< 10	4.67	535	1
BB23355	201 202	< 0.2	1.78	< 2	40	< 0.5	< 2	0.40	< 0.5	5	74	24	1.77	< 10	< 1	0.02	10	0.46	125	1
BB23356	201 202	< 0.2	1.52	< 2	40	< 0.5	< 2	0.22	< 0.5	8	73	15	2.46	< 10	< 1	0.03	< 10	0.58	195	< 1
BB23357	201 202	< 0.2	3.02	12	70	< 0.5	< 2	0.42	< 0.5	26	154	78	3.91	10	< 1	0.04	< 10	2.37	440	1
BB23358	201 202	< 0.2	2.60	< 2	130	< 0.5	< 2	0.37	< 0.5	16	128	27	3.60	10	< 1	0.02	< 10	1.71	340	1
BB23359	201 202	< 0.2	0.98	< 2	80	< 0.5	< 2	0.09	< 0.5	4	33	22	1.19	< 10	< 1	0.02	< 10	0.25	170	< 1
BB23360	201 202	< 0.2	2.25	< 2	130	< 0.5	< 2	0.36	< 0.5	10	94	45	2.18	< 10	< 1	0.05	< 10	1.34	310	1
BB23361	201 202	< 0.2	0.59	< 2	60	< 0.5	< 2	0.15	< 0.5	2	23	9	0.56	< 10	< 1	0.02	< 10	0.20	95	< 1
BB23362	201 202	< 0.2	2.88	18	150	< 0.5	< 2	0.98	< 0.5	26	143	69	3.83	10	< 1	0.08	10	2.89	720	1
BB23363	201 202	< 0.2	1.14	< 2	30	< 0.5	< 2	0.10	< 0.5	3	28	7	1.88	< 10	< 1	0.05	< 10	0.34	125	< 1
BB23364	201 202	< 0.2	1.86	< 2	40	< 0.5	< 2	0.23	< 0.5	7	37	7	2.99	< 10	< 1	0.05	< 10	0.85	220	1
BB23365	201 202	< 0.2	3.09	< 2	70	< 0.5	< 2	0.27	< 0.5	12	57	10	5.62	10	< 1	0.05	< 10	1.48	385	1
BB23366	201 202	0.2	1.71	< 2	40	< 0.5	< 2	0.76	< 0.5	13	99	15	2.46	< 10	< 1	0.03	< 10	2.71	310	1
BB23367	201 202	< 0.2	3.41	< 2	30	< 0.5	< 2	0.82	< 0.5	41	176	81	3.18	< 10	< 1	0.01	< 10	4.57	470	1
BB23368	201 202	< 0.2	4.37	< 2	20	< 0.5	< 2	0.74	< 0.5	23	152	39	3.32	< 10	< 1	0.01	< 10	2.45	290	1
BB23369	201 202	< 0.2	2.51	2	60	< 0.5	< 2	0.80	< 0.5	15	79	41	3.07	< 10	< 1	0.03	< 10	1.89	485	1
BB23370	201 202	< 0.2	3.41	14	40	< 0.5	< 2	0.61	< 0.5	61	276	100	4.36	< 10	< 1	0.03	< 10	6.71	730	1
BB23381	201 202	< 0.2	2.60	12	50	< 0.5	< 2	0.78	< 0.5	57	119	60	3.66	< 10	< 1	0.05	< 10	2.87	975	3
BB23382	201 202	< 0.2	2.41	2	10	< 0.5	< 2	1.04	< 0.5	24	155	51	2.49	< 10	< 1	0.01	< 10	2.58	345	1
BB23383	201 202	< 0.2	2.54	18	120	< 0.5	< 2	0.70	< 0.5	27	69	43	4.62	< 10	< 1	0.10	10	2.80	665	3
BB23384	201 202	< 0.2	2.66	22	30	< 0.5	< 2	0.84	< 0.5	58	454	41	5.79	< 10	< 1	0.06	10	9.20	775	5
BB23385	201 202	0.2	3.34	16	190	0.5	< 2	0.85	< 0.5	23	35	57	5.33	10	< 1	0.14	10	2.22	780	4
BB23386	201 202	< 0.2	2.95	22	160	0.5	< 2	0.69	< 0.5	19	43	32	4.12	10	< 1	0.11	10	2.10	525	4

CERTIFICATION: Hart Buchler



Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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PHONE: 604-984-0221 FAX: 604-984-0218

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

Project: SHUTOUT-1
Comments:

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Invoice No.: 19737034
P.O. Number:
Account: MPO

CERTIFICATE OF ANALYSIS

A9737034

SAMPLE	PREP CODE		Na	Ni	P	Pb	Sb	Sc	Sr	Tl	Tl	U	V	W	Zn
			%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
BB23352	201	202	0.01	81	280	12	< 2	6	21	0.11	< 10	< 10	82	< 10	88
BB23353	201	202	0.04	30	220	2	< 2	2	13	0.07	< 10	< 10	53	< 10	26
BB23354	201	202	0.01	366	500	16	< 2	10	30	0.07	< 10	10	58	< 10	74
BB23355	201	202	0.02	24	130	6	< 2	2	17	0.07	< 10	< 10	52	< 10	24
BB23356	201	202	0.02	25	200	6	< 2	2	11	0.08	< 10	< 10	67	< 10	44
BB23357	201	202	0.01	59	250	8	< 2	7	22	0.05	< 10	< 10	88	< 10	72
BB23358	201	202	0.01	60	200	8	< 2	5	22	0.06	< 10	< 10	91	< 10	42
BB23359	201	202	0.04	15	190	6	< 2	2	8	0.03	< 10	< 10	27	< 10	24
BB23360	201	202	0.02	29	630	< 2	< 2	5	15	0.01	< 10	< 10	44	< 10	44
BB23361	201	202	0.05	10	260	2	< 2	< 1	10	< 0.01	< 10	< 10	13	< 10	12
BB23362	201	202	0.01	160	700	8	< 2	8	48	0.11	< 10	30	68	< 10	90
BB23363	201	202	0.03	11	340	6	< 2	1	10	0.04	< 10	< 10	50	< 10	20
BB23364	201	202	0.01	16	270	6	< 2	3	23	0.13	< 10	< 10	73	< 10	26
BB23365	201	202	< 0.01	23	360	6	< 2	5	28	0.23	< 10	< 10	111	< 10	38
BB23366	201	202	< 0.01	155	290	2	< 2	4	43	0.13	< 10	< 10	37	< 10	28
BB23367	201	202	0.03	339	150	6	< 2	5	26	0.08	< 10	< 10	36	< 10	32
BB23368	201	202	0.02	121	230	2	< 2	5	25	0.11	< 10	< 10	54	< 10	38
BB23369	201	202	< 0.01	81	400	6	< 2	5	35	0.14	< 10	< 10	62	< 10	42
BB23370	201	202	< 0.01	580	370	6	< 2	5	29	0.11	< 10	< 10	49	< 10	54
BB23381	201	202	< 0.01	148	420	8	< 2	4	36	0.14	< 10	< 10	65	< 10	118
BB23382	201	202	0.01	138	140	2	< 2	4	33	0.10	< 10	< 10	68	< 10	34
BB23383	201	202	< 0.01	116	670	12	< 2	6	49	0.19	< 10	< 10	70	< 10	72
BB23384	201	202	< 0.01	583	330	1	< 2	6	41	0.10	< 10	20	50	< 10	38
BB23385	201	202	< 0.01	21	880	18	< 2	7	68	0.24	< 10	< 10	87	< 10	100
BB23386	201	202	< 0.01	19	650	20	< 2	6	67	0.15	< 10	< 10	64	< 10	84

CERTIFICATION:

Hawthorn



Chemex Labs Ltd.

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 P.O. BOX 4127
 WHITEHORSE, YT
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 Total : 1
 Certificate Date: 25-AUG-97
 Invoice No. : I9738355
 P.O. Number :
 Account : MPO

Project : SHOTOUT 2
 Comments:

CERTIFICATE OF ANALYSIS A9738355

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
BB23336	201 202	< 0.2	0.42	< 2	100	< 0.5	< 2	3.67	< 0.5	5	8	9	2.06	< 10	< 1	0.06	10	1.84	285	< 1
BB23337	201 202	4.0	2.92	28	200	0.5	20	0.67	21.5	42	1	1530	10.60	< 10	< 1	0.11	10	1.23	4510	5
BB23338	201 202	6.0	3.03	60	170	< 0.5	44	0.72	6.5	30	< 1	1830	13.10	10	< 1	0.08	< 10	1.55	3480	6
BB23339	201 202	1.2	>15.00	< 2	40	11.0	2	0.06	1.5	12	7	266	0.66	< 10	< 1	0.02	10	0.05	535	9
BB23340	201 202	< 0.2	2.04	< 2	200	0.5	< 2	0.54	< 0.5	9	6	28	2.39	< 10	< 1	0.20	30	0.60	600	3
BB23425	201 202	< 0.2	0.94	8	180	< 0.5	< 2	6.02	1.5	6	15	17	1.54	< 10	< 1	0.10	30	3.93	555	2
BB23426	201 202	0.2	0.80	< 2	170	< 0.5	2	8.38	1.5	8	111	18	1.61	< 10	< 1	0.09	20	5.14	755	1
BB23427	201 202	0.2	0.77	< 2	160	< 0.5	< 2	11.65	0.5	11	112	16	1.25	< 10	< 1	0.06	10	5.22	455	< 1
BB23428	201 202	0.2	0.38	< 2	50	< 0.5	< 2	11.65	0.5	4	9	9	0.52	< 10	< 1	0.03	< 10	7.13	235	< 1
BB23429	201 202	< 0.2	0.62	10	150	< 0.5	< 2	2.67	2.0	5	5	16	1.91	< 10	< 1	0.10	40	1.60	715	2
BB23430	201 202	0.2	0.85	12	340	< 0.5	2	1.64	1.5	5	3	16	2.26	< 10	< 1	0.12	30	1.16	655	1
BB23431	201 202	0.2	1.60	18	500	< 0.5	2	0.65	3.5	10	4	65	4.82	< 10	< 1	0.15	40	0.89	1355	2
BB23432	201 202	< 0.2	0.91	2	180	< 0.5	< 2	2.50	1.5	6	7	17	1.71	< 10	< 1	0.12	30	1.68	565	1
BB23433	201 202	< 0.2	0.59	< 2	260	< 0.5	< 2	0.91	1.0	4	3	32	1.95	< 10	< 1	0.14	50	0.50	840	3
BB23434	201 202	< 0.2	0.88	2	120	< 0.5	< 2	0.41	1.5	17	24	45	1.65	< 10	< 1	0.09	10	0.62	680	4

CERTIFICATION: Hart Bichler



Chemex Labs Ltd.

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

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

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Project: SHOTOUT 2
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CERTIFICATE OF ANALYSIS A9738355

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
BB23336	201 202	0.01	5	400	8	< 2	1	17	< 0.01	< 10	< 10	12	< 10	78
BB23337	201 202	0.01	5	4240	808	< 2	10	24	0.09	< 10	< 10	10	< 10	2700
BB23338	201 202	0.02	4	2310	358	< 2	10	26	0.20	< 10	< 10	10	< 10	758
BB23339	201 202	0.03	20	360	38	< 2	3	6	< 0.01	< 10	10	5	< 10	136
BB23340	201 202	0.03	5	690	50	< 2	3	48	0.01	< 10	< 10	22	< 10	118
BB23425	201 202	0.03	11	630	34	< 2	1	38	< 0.01	< 10	< 10	7	< 10	140
BB23426	201 202	0.03	61	520	46	< 2	2	57	< 0.01	< 10	< 10	10	< 10	204
BB23427	201 202	0.03	83	650	10	< 2	2	87	< 0.01	< 10	< 10	14	< 10	116
BB23428	201 202	0.04	14	1100	8	< 2	< 1	80	< 0.01	< 10	< 10	9	< 10	138
BB23429	201 202	0.01	7	430	112	< 2	1	28	< 0.01	< 10	< 10	5	< 10	482
BB23430	201 202	0.01	3	360	80	< 2	1	19	< 0.01	< 10	< 10	5	< 10	234
BB23431	201 202	0.01	6	650	120	< 2	5	22	0.08	< 10	< 10	7	< 10	444
BB23432	201 202	0.03	5	490	46	< 2	2	25	0.01	< 10	< 10	16	< 10	250
BB23433	201 202	< 0.01	6	260	20	< 2	1	13	0.01	< 10	< 10	6	< 10	228
BB23434	201 202	0.01	19	600	14	< 2	1	24	0.07	< 10	< 10	22	< 10	108

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CERTIFICATE OF ANALYSIS A9738357

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
N112190	205 226	10.0	0.03	168	< 10	< 0.5	22	0.01	1.0	25	61	351	>15.00	< 10	< 1	< 0.01	< 10	0.11	50	< 1

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A9738357

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
N112190	205 226	< 0.01	6	30	436	< 2	< 1	3	< 0.01	< 10	< 10	2	< 10	48

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SAMPLE	PREP CODE	Au ppb FA+AA										
N112179	244 --	< 5										
N112180	244 --	30										
N112181	244 --	50										
N112182	244 --	< 5										
N112189	244 --	1100										

CERTIFICATION: *[Signature]*



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SAMPLE	PREP CODE	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
N112191	205 226	0.6	0.14	4	140	< 0.5	< 2	0.04	< 0.5	2	72	18	4.23	< 10	< 1	0.27	< 10	0.03	20	3

CERTIFICATION: Hart Bickler



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CERTIFICATE OF ANALYSIS

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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
N112191	205 226	0.13	1	240	374	< 2	1	20	0.10	< 10	< 10	14	< 10	30

CERTIFICATION: Hart B...



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Project: F.P. (SHUT-OUT)
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CERTIFICATE OF ANALYSIS A9741693

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
BB08329	201 202	14.0	3.97	42	330	0.5	42	0.39	< 0.5	21	87	284	10.15	10	< 1	0.40	< 10	2.31	1105	6
BB08330	201 202	18.2	2.05	110	190	< 0.5	66	0.15	< 0.5	7	66	328	>15.00	< 10	1	0.57	< 10	1.20	450	9
BB08331	201 202	58.6	1.69	98	80	< 0.5	136	0.15	< 0.5	7	57	173	>15.00	10	1	0.85	< 10	0.98	355	19
BB08332	201 202	34.6	1.26	108	80	< 0.5	98	0.11	< 0.5	6	63	120	>15.00	< 10	1	0.78	< 10	0.85	375	8
BB08333	201 202	15.4	2.13	98	120	< 0.5	60	0.26	< 0.5	12	68	134	12.70	< 10	< 1	0.69	< 10	1.26	675	10
BB08334	201 202	20.8	2.02	114	100	< 0.5	48	0.09	< 0.5	5	48	349	13.30	< 10	1	0.64	10	0.80	270	6
BB08335	201 202	42.0	1.89	134	130	< 0.5	98	0.13	< 0.5	6	35	263	10.80	< 10	< 1	0.69	10	0.84	410	7
BB08336	201 202	13.2	2.33	64	350	< 0.5	30	0.19	< 0.5	9	40	321	8.21	< 10	< 1	0.25	10	1.32	460	4
BB08337	201 202	20.6	2.58	70	410	< 0.5	26	0.20	0.5	12	40	393	7.84	< 10	1	0.27	10	1.39	645	4
BB08338	201 202	11.6	2.14	50	250	< 0.5	22	0.14	< 0.5	7	29	458	10.00	< 10	< 1	0.27	10	0.96	365	6
BB08339	201 202	9.0	2.34	32	260	0.5	20	0.26	< 0.5	10	22	201	10.85	10	1	0.24	10	1.04	535	8
BB08340	201 202	< 0.2	3.03	8	230	0.5	< 2	0.82	0.5	15	19	47	3.95	< 10	< 1	0.12	40	1.06	845	2
BB08341	201 202	42.6	0.58	96	10	< 0.5	96	0.09	19.0	3	< 1	150	9.50	< 10	14	0.24	10	0.15	125	5
BB08342	201 202	2.4	1.19	22	90	< 0.5	14	0.03	< 0.5	< 1	122	739	>15.00	< 10	2	0.03	< 10	0.73	195	< 1
BB08343	201 202	21.8	1.64	126	140	< 0.5	50	0.12	< 0.5	1	83	544	>15.00	10	3	0.43	10	0.95	255	3
BB08344	201 202	100.0	0.27	244	40	< 0.5	186	0.03	< 0.5	< 1	17	111	>15.00	< 10	5	1.40	< 10	0.09	40	16
BB08345	201 202	52.4	1.73	132	70	< 0.5	42	0.06	< 0.5	2	59	574	>15.00	10	2	0.53	30	0.82	195	10
BB08346	201 202	3.2	0.34	74	30	< 0.5	12	0.03	< 0.5	< 1	5	108	>15.00	< 10	1	1.27	40	0.05	5	5
BB08347	201 202	>100.0	0.12	248	50	< 0.5	240	< 0.01	< 0.5	< 1	< 1	131	13.10	< 10	6	2.26	< 10	0.01	< 5	9
BB08348	201 202	7.6	1.12	312	50	< 0.5	10	0.05	< 0.5	< 1	34	444	>15.00	30	1	0.91	40	0.27	70	3
BB08349	201 202	7.2	2.46	38	430	0.5	20	0.22	0.5	12	20	315	8.67	< 10	< 1	0.37	30	0.99	625	7
BB08350	201 202	0.2	3.21	2	140	0.5	< 2	0.65	< 0.5	21	26	33	4.86	< 10	< 1	0.10	30	1.69	1290	1
BB08351	201 202	< 0.2	1.97	< 2	490	0.5	< 2	0.50	< 0.5	9	6	22	3.18	< 10	< 1	0.18	60	0.59	1120	1
BB08352	201 202	< 0.2	1.83	2	470	0.5	< 2	0.32	< 0.5	8	5	16	3.05	< 10	< 1	0.12	40	0.40	1025	< 1
BB08353	201 202	< 0.2	2.19	< 2	500	0.5	< 2	0.50	< 0.5	9	10	17	3.10	< 10	< 1	0.15	50	0.71	1050	< 1
BB08354	201 202	< 0.2	2.03	2	360	0.5	< 2	0.15	< 0.5	8	13	12	3.39	< 10	< 1	0.14	30	0.40	1360	1
BB08355	201 202	< 0.2	1.77	4	200	0.5	< 2	0.14	< 0.5	8	7	10	3.06	< 10	< 1	0.18	30	0.35	1430	1
BB08356	201 202	< 0.2	3.50	2	780	0.5	< 2	0.71	< 0.5	15	6	26	4.13	< 10	< 1	0.12	30	1.21	940	1
BB08357	201 202	0.4	4.36	24	1580	0.5	< 2	0.43	< 0.5	14	34	112	6.55	10	1	0.14	10	2.70	2020	3
BB08358	201 202	< 0.2	2.93	6	170	0.5	< 2	0.26	0.5	17	3	28	4.80	< 10	< 1	0.10	40	1.26	820	7
BB08359	201 202	< 0.2	1.28	2	550	< 0.5	< 2	0.54	1.0	6	9	23	2.62	< 10	< 1	0.16	50	0.46	785	6
BB12380	201 202	3.8	1.57	34	190	< 0.5	2	0.02	1.5	1	9	283	7.96	< 10	1	0.92	40	0.55	130	6
BB12381	201 202	73.4	0.35	38	150	< 0.5	44	0.01	17.0	< 1	< 1	459	3.04	< 10	75	0.39	30	0.04	5	10
BB12382	201 202	11.8	1.14	20	150	< 0.5	6	0.02	0.5	< 1	2	229	7.30	< 10	4	0.94	50	0.32	60	5
BB12383	201 202	3.8	2.03	40	210	< 0.5	8	0.07	0.5	3	13	439	11.40	< 10	< 1	0.72	70	0.37	200	9
BB12384	201 202	1.6	4.03	10	190	0.5	< 2	0.06	< 0.5	7	12	254	7.48	10	1	0.23	30	2.04	560	4
BB12385	201 202	8.8	2.37	22	290	< 0.5	10	0.19	1.0	8	19	340	7.81	< 10	3	0.40	30	0.98	425	6
BB12386	201 202	3.2	3.74	6	260	0.5	4	0.09	2.0	8	36	1885	>15.00	< 10	1	0.10	20	0.66	335	8
BB12387	201 202	12.2	3.11	24	230	0.5	16	0.12	1.5	7	18	597	9.72	< 10	3	0.41	40	0.80	380	7
BB12388	201 202	14.4	4.21	26	220	1.0	22	0.14	3.0	11	18	687	9.80	10	3	0.28	30	1.02	520	5

CERTIFICATION: *Hanti Sichen*



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CERTIFICATE OF ANALYSIS A9741693

SAMPLE	PREP CODE		Na	Ni	P	Pb	Sb	Sc	Sr	Tl	Tl	U	V	W	Zn
			%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
BB08329	201	202	0.01	20	1070	702	2	9	55	0.28	< 10	< 10	114	< 10	264
BB08330	201	202	0.03	9	1080	1540	2	4	51	0.25	< 10	10	111	< 10	218
BB08331	201	202	0.06	8	1120	2910	< 2	4	69	0.23	< 10	10	86	< 10	134
BB08332	201	202	0.11	6	1070	3190	2	4	66	0.30	< 10	10	116	< 10	66
BB08333	201	202	0.05	10	1030	1085	< 2	5	55	0.26	< 10	< 10	91	< 10	128
BB08334	201	202	0.15	6	1100	1710	2	5	56	0.19	< 10	< 10	72	< 10	156
BB08335	201	202	0.08	6	1090	3340	28	5	46	0.21	< 10	< 10	69	< 10	126
BB08336	201	202	0.01	12	840	1575	12	6	40	0.21	< 10	< 10	68	< 10	188
BB08337	201	202	0.04	14	900	1920	40	5	36	0.19	< 10	< 10	67	< 10	334
BB08338	201	202	0.02	8	1110	1175	10	5	32	0.12	< 10	< 10	55	< 10	350
BB08339	201	202	0.05	8	800	1055	2	6	47	0.08	< 10	< 10	59	< 10	408
BB08340	201	202	0.02	12	640	60	< 2	6	113	0.08	< 10	< 10	51	< 10	328
BB08341	201	202	0.26	< 1	440	4090	2	1	13	< 0.01	< 10	< 10	8	< 10	5120
BB08342	201	202	< 0.01	3	1510	194	< 2	3	8	0.22	< 10	30	100	< 10	300
BB08343	201	202	0.05	6	1450	2250	2	7	57	0.25	< 10	10	128	< 10	208
BB08344	201	202	0.51	< 1	760	5650	2	< 1	82	0.24	< 10	10	60	< 10	22
BB08345	201	202	0.11	5	1480	1215	2	8	65	0.27	< 10	10	111	< 10	228
BB08346	201	202	1.45	< 1	470	646	< 2	1	52	0.10	< 10	10	15	< 10	40
BB08347	201	202	0.17	< 1	590	>10000	< 2	< 1	90	0.12	< 10	< 10	5	< 10	38
BB08348	201	202	0.46	< 1	1030	1510	< 2	10	70	0.22	< 10	10	85	< 10	136
BB08349	201	202	0.06	8	1020	1080	4	6	41	0.05	< 10	< 10	61	< 10	744
BB08350	201	202	0.01	11	690	54	2	9	77	0.09	< 10	< 10	79	< 10	160
BB08351	201	202	< 0.01	4	630	36	< 2	4	44	0.02	< 10	< 10	25	< 10	66
BB08352	201	202	0.02	3	740	16	< 2	3	29	0.01	< 10	< 10	25	< 10	56
BB08353	201	202	< 0.01	6	570	18	< 2	5	52	0.02	< 10	< 10	31	< 10	66
BB08354	201	202	< 0.01	8	840	22	< 2	1	21	0.02	< 10	< 10	33	< 10	66
BB08355	201	202	0.01	4	790	20	< 2	2	18	0.02	< 10	< 10	26	< 10	92
BB08356	201	202	< 0.01	7	790	10	< 2	5	51	0.02	< 10	< 10	56	< 10	70
BB08357	201	202	0.02	17	470	34	2	8	23	0.12	< 10	10	83	< 10	528
BB08358	201	202	< 0.01	1	670	16	2	2	22	0.01	< 10	10	12	< 10	248
BB08359	201	202	0.01	4	630	22	< 2	2	37	0.01	< 10	< 10	17	< 10	98
BB12380	201	202	0.05	1	1000	636	< 2	3	58	< 0.01	< 10	< 10	22	< 10	234
BB12381	201	202	0.23	< 1	560	>10000	< 2	1	22	< 0.01	< 10	< 10	< 1	< 10	4120
BB12382	201	202	0.07	< 1	850	2780	< 2	2	63	< 0.01	< 10	< 10	9	< 10	276
BB12383	201	202	0.04	3	1730	462	< 2	5	162	< 0.01	< 10	< 10	19	< 10	338
BB12384	201	202	0.03	11	670	456	2	6	38	< 0.01	< 10	< 10	52	< 10	478
BB12385	201	202	0.05	8	950	1745	2	5	51	0.03	< 10	< 10	33	< 10	454
BB12386	201	202	0.06	5	990	310	< 2	5	19	< 0.01	< 10	10	15	< 10	1470
BB12387	201	202	0.08	7	1120	1680	4	6	47	0.01	< 10	< 10	34	< 10	882
BB12388	201	202	0.08	9	1040	1590	2	8	36	0.04	< 10	< 10	78	< 10	1035

CERTIFICATION: H. A. Buchler



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

Project: F.P. (SHUT-OUT)
 Comments:

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 Total Pages : 2
 Certificate Date: 15-SEP-97
 Invoice No. : 19741693
 P.O. Number :
 Account : MPO

CERTIFICATE OF ANALYSIS A9741693

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
BB12389	201 202	48.4	5.07	40	270	1.0	66	0.20	3.5	17	19	1020	9.54	< 10	5	0.48	30	1.06	760	8
BB12390	201 202	37.8	4.95	36	270	1.5	52	0.21	3.0	15	21	912	9.02	< 10	3	0.39	30	1.09	735	7
BB12391	201 202	17.8	4.51	30	330	2.0	22	0.23	4.5	27	19	1020	7.70	< 10	3	0.34	40	1.13	1185	5
BB12392	201 202	8.2	2.80	30	350	< 0.5	16	0.27	0.5	10	31	501	6.66	< 10	< 1	0.25	10	1.03	445	4
BB12393	201 202	1.8	2.46	12	370	0.5	< 2	0.35	< 0.5	3	10	343	2.90	< 10	< 1	0.18	10	0.53	165	3
BB12394	201 202	13.8	3.92	68	240	0.5	18	0.15	< 0.5	7	36	712	7.36	< 10	< 1	0.31	30	0.75	300	6
BB12395	201 202	5.4	4.40	28	190	0.5	6	0.21	0.5	9	54	1290	11.50	< 10	1	0.34	40	1.02	395	9
BB12396	201 202	3.0	3.88	38	210	0.5	6	0.27	< 0.5	10	40	755	10.65	< 10	1	0.16	10	0.97	480	4
BB12397	201 202	1.6	4.58	34	280	1.5	8	0.32	2.5	18	38	1635	6.74	< 10	< 1	0.16	30	1.53	705	3
BB12398	201 202	4.2	4.42	58	270	1.5	< 2	0.30	3.0	20	101	1030	6.94	< 10	1	0.13	30	2.55	895	2
BB12399	201 202	23.8	3.92	148	140	0.5	22	0.23	4.0	18	116	894	9.16	< 10	1	0.08	10	2.77	870	5
BB12400	201 202	12.0	2.81	40	300	< 0.5	16	0.18	0.5	16	55	415	6.50	< 10	< 1	0.13	10	1.78	710	3

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Y1A 3S9

Project: F.P. (SHUT-OUT)
Comments:

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Certificate Date: 15-SEP-97
Invoice No.: 19741693
P.O. Number:
Account: MPO

CERTIFICATE OF ANALYSIS A9741693

SAMPLE	PREP		Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
	CODE		%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
BB12389	201	202	0.16	12	930	4960	8	9	52	0.05	< 10	< 10	55	< 10	1395
BB12390	201	202	0.14	12	980	3640	6	10	52	0.05	< 10	< 10	59	< 10	1290
BB12391	201	202	0.13	14	900	1960	6	9	45	0.05	< 10	< 10	55	< 10	1695
BB12392	201	202	0.04	12	920	1150	10	7	53	0.11	< 10	< 10	46	< 10	366
BB12393	201	202	0.02	2	690	204	< 2	7	83	0.01	< 10	< 10	7	< 10	176
BB12394	201	202	0.04	8	970	1610	32	14	52	0.12	< 10	< 10	48	< 10	328
BB12395	201	202	0.04	9	1490	368	4	18	74	0.08	< 10	10	55	< 10	412
BB12396	201	202	0.02	12	1640	494	6	11	57	0.11	< 10	< 10	68	< 10	408
BB12397	201	202	0.08	31	950	398	< 2	10	45	0.09	< 10	< 10	71	< 10	1450
BB12398	201	202	0.05	34	1250	876	4	11	43	0.13	< 10	10	103	< 10	1020
BB12399	201	202	0.06	30	1280	918	6	9	32	0.15	< 10	< 10	100	< 10	1120
BB12400	201	202	0.02	19	950	1190	10	6	25	0.15	< 10	< 10	72	< 10	366

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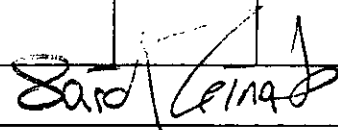
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Y1A 3S9

Project : F.P. (SHUT-OUT)
Comments:

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Total : 1
Certificate Date: 17-SEP-97
Invoice No. : 19742499
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9742499

SAMPLE	PREP CODE	Ag FA g/t	Pb %								
BB08347	244 --	115	2.39								
BB12381	244 --	-----	3.49								

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Project : F.P. (SHUT-OUT)
Comments:

Page : 1
Total Pages : 2
Certificate Date: 19-SEP-97
Invoice No. : 19742628
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS

A9742628

SAMPLE	PREP CODE	Au ppb FA+AA										
BB08329	244 --	180										
BB08330	244 --	230										
BB08331	244 --	910										
BB08332	244 --	345										
BB08333	244 --	210										
BB08334	244 --	195										
BB08335	244 --	495										
BB08336	244 --	210										
BB08337	244 --	155										
BB08338	244 --	135										
BB08339	244 --	80										
BB08340	244 --	15										
BB08341	244 --	230										
BB08342	244 --	30										
BB08343	244 --	170										
BB08344	244 --	1145										
BB08345	244 --	350										
BB08346	244 --	20										
BB08347	244 --	730										
BB08348	244 --	45										
BB08349	244 --	60										
BB08350	244 --	< 5										
BB08351	244 --	10										
BB08352	244 --	20										
BB08353	244 --	< 5										
BB08354	244 --	< 5										
BB08355	244 --	< 5										
BB08356	244 --	< 5										
BB08357	244 --	< 5										
BB08358	244 --	< 5										
BB08359	244 --	< 5										
BB12380	244 --	30										
BB12381	244 --	370										
BB12382	244 --	60										
BB12383	244 --	30										
BB12384	244 --	30										
BB12385	244 --	55										
BB12386	244 --	20										
BB12387	244 --	60										
BB12388	244 --	80										

CERTIFICATION:

Frank Voth



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CERTIFICATE OF ANALYSIS A9742628

SAMPLE	PREP CODE	Au ppb FA+AA									
BB12389	244 --	235									
BB12390	244 --	190									
BB12391	244 --	100									
BB12392	244 --	70									
BB12393	244 --	5									
BB12394	244 --	200									
BB12395	244 --	100									
BB12396	244 --	30									
BB12397	244 --	25									
BB12398	244 --	55									
BB12399	244 --	440									
BB12400	244 --	115									

CERTIFICATION: *John Vank*



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 Y1A 3S9

Project: F.P. SHUTOUT
 Comments:

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 Total Pages: 1
 Certificate Date: 30-SEP-97
 Invoice No.: 19743837
 P.O. Number:
 Account: MPO

CERTIFICATE OF ANALYSIS A9743837

SAMPLE	PREP CODE		Au ppb	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
			FA+AA																		
058247	205	294	5	2.2	1.08	14	390	< 0.5	< 2	0.03	< 0.5	1	90	144	4.80	< 10	17	0.43	20	0.27	95
058248	205	294	100	8.0	0.96	14	310	< 0.5	6	0.01	< 0.5	1	139	157	3.28	< 10	7	0.58	30	0.27	55
058249	205	294	< 5	0.4	0.98	4	190	< 0.5	< 2	0.02	< 0.5	2	79	59	2.37	< 10	4	0.29	10	0.43	120
058250	205	294	60	2.2	0.32	176	< 10	< 0.5	10	0.29	< 0.5	39	104	121	>15.00	< 10	7	0.01	< 10	0.04	40
N111981	205	294	10	1.4	0.58	18	< 10	< 0.5	< 2	0.05	< 0.5	192	169	178	>15.00	< 10	1	< 0.01	< 10	0.18	60
N111982	205	294	130	>100.0	0.51	56	100	< 0.5	888	< 0.01	< 0.5	1	55	1575	>15.00	< 10	3	0.18	< 10	0.20	180

CERTIFICATION: Hart Bichler



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Project: F.P. SHUTOUT
 Comments:

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 Certificate Date: 30-SEP-97
 Invoice No. : 19743837
 P.O. Number :
 Account : MPO

CERTIFICATE OF ANALYSIS A9743837

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
058247	205 294	3	0.10	2	450	228	< 2	2	24	< 0.01	< 10	< 10	9	< 10	92
058248	205 294	3	0.03	2	320	3440	< 2	1	18	< 0.01	< 10	< 10	9	< 10	208
058249	205 294	1	0.06	2	220	102	< 2	1	8	< 0.01	< 10	< 10	6	< 10	92
058250	205 294	< 1	< 0.01	9	30	74	2	< 1	33	0.14	< 10	< 10	14	< 10	26
N111981	205 294	< 1	< 0.01	31	50	12	< 2	< 1	40	< 0.01	< 10	< 10	7	< 10	16
N111982	205 294	378	< 0.01	2	680	8650	6	< 1	3	< 0.01	< 10	< 10	35	< 10	84

CERTIFICATION: Hart Bishler



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Y1A 3S9

Project: F.P. SHUTOUT
Comments:

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Invoice No. : 19744924
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS

A9744924

SAMPLE	PREP CODE	Ag FA g/t										
N111982	244 --	346										

CERTIFICATION:

Mark Vornh



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Page Number : 1
Total Pages : 1
Certificate Date: 01-DEC-97
Invoice No. : 19751398
P.O. Number :
Account : MPO

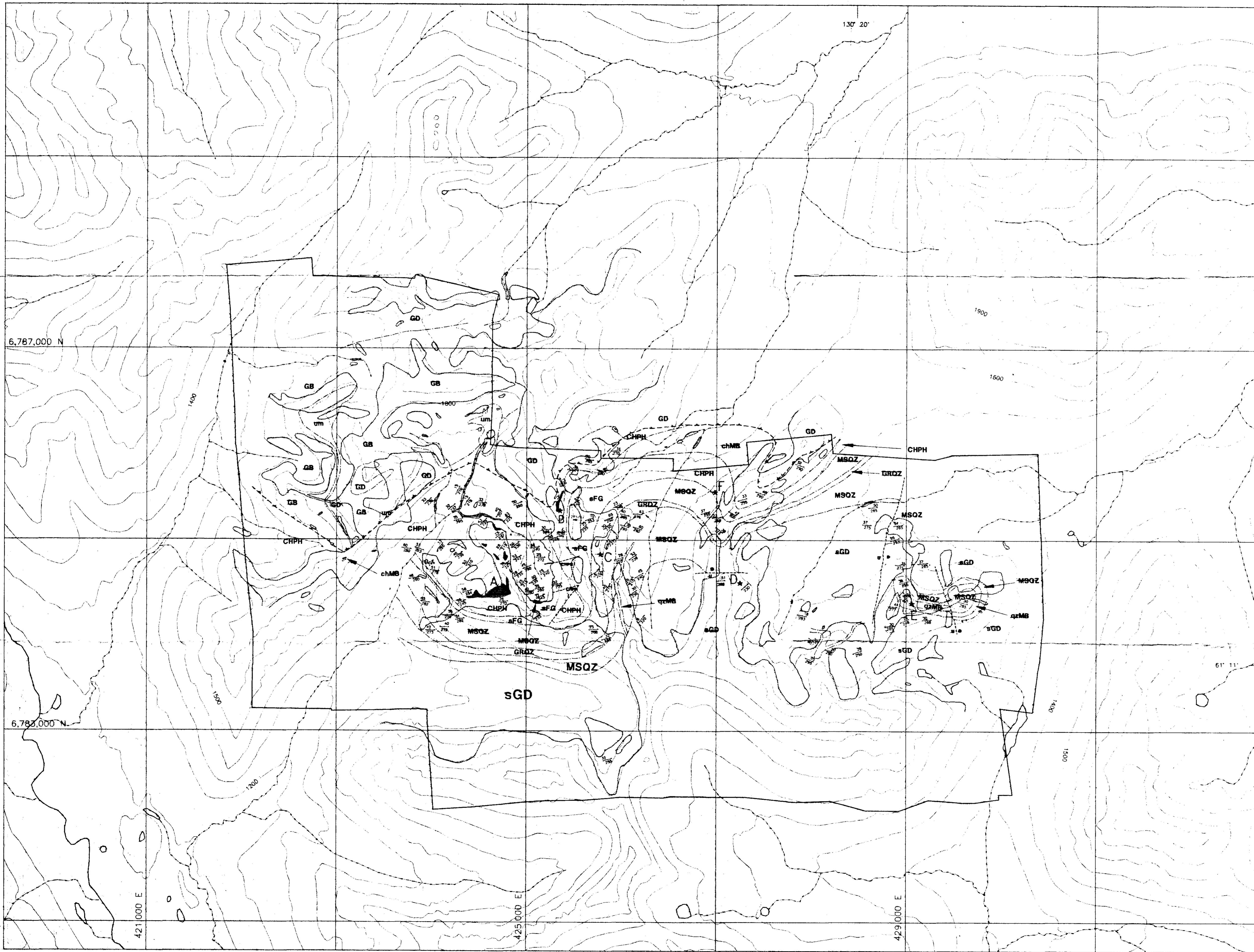
Project : SHUTOUT 1
Comments:

CERTIFICATE OF ANALYSIS

A9751398

SAMPLE	PREP CODE	Se ppm									
N112189 N111982	244 287 244 287	19.4 27.0									

CERTIFICATION: Hank Bisher



Grid North
 True North
 1°06'
 UTM Zone 9
 NTS 1056/1
 CONTOUR INTERVAL 100m

LEGEND

- GD** Granodiorite
- GB** Gabbro
- um** Pyroxenite Ultramafic
- sFG** Foliated Felsic Gneiss
- aGD** Foliated Granodiorite
- chMB** Marble
- CHPH** Chloritic Phyllite
- GROZ** Carbonaceous Quartzite
- qzMB** Calc-Silicate Marble
- MSOZ** Quartzite

- ★ A** Mineral occurrence
- Gossan
- Fault
- Thrust fault
- Property boundary

168891

EXPATRIATE RESOURCES LTD.

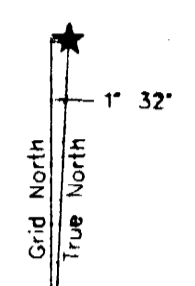
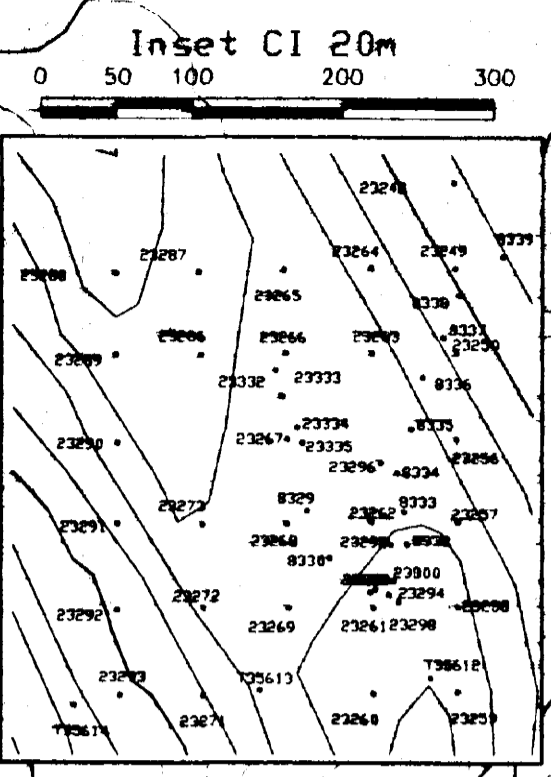
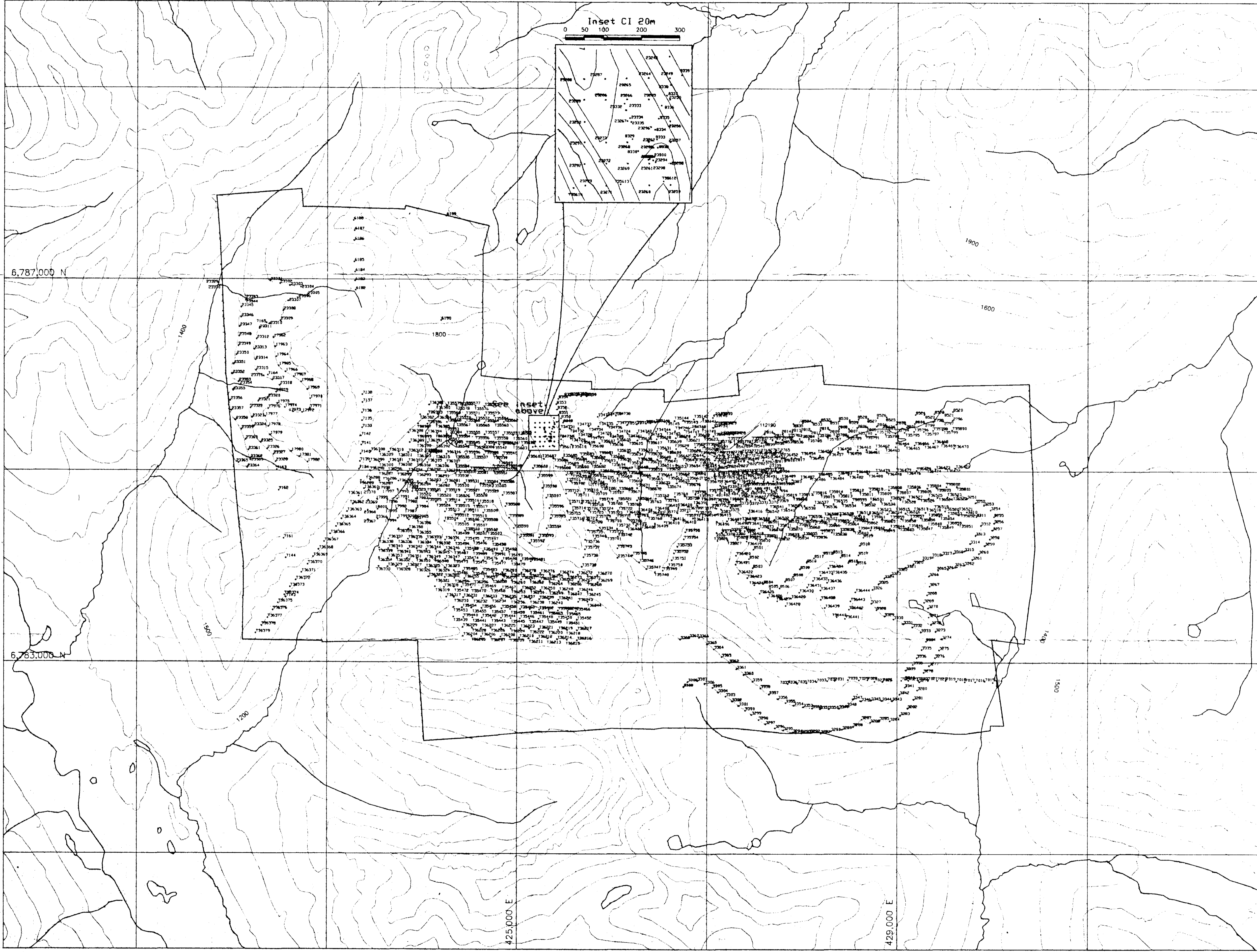
FIGURE 6
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

PROPERTY GEOLOGY

SHUTOUT PROPERTY

SCALE 1:20,000
 0 200 400 600 800 1000m

DRAWN/REVISED BY: LCP/AC PROJECT: FP
 FILE: C:\FP\SOUT\ACAD97\SH-PGEO.DWG DATE: May, 1998



UTM Zone 9

- 3313 Soil sample location with sample number
All numbers prefixed with BB
unless otherwise specified
- 25487 Silt sample location with sample number
All numbers prefixed with BB
unless otherwise specified
- 112190 Rock sample location with sample number

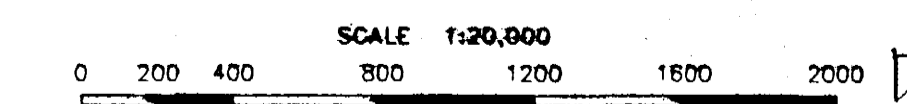
093891

EXPATRIATE RESOURCES LTD.

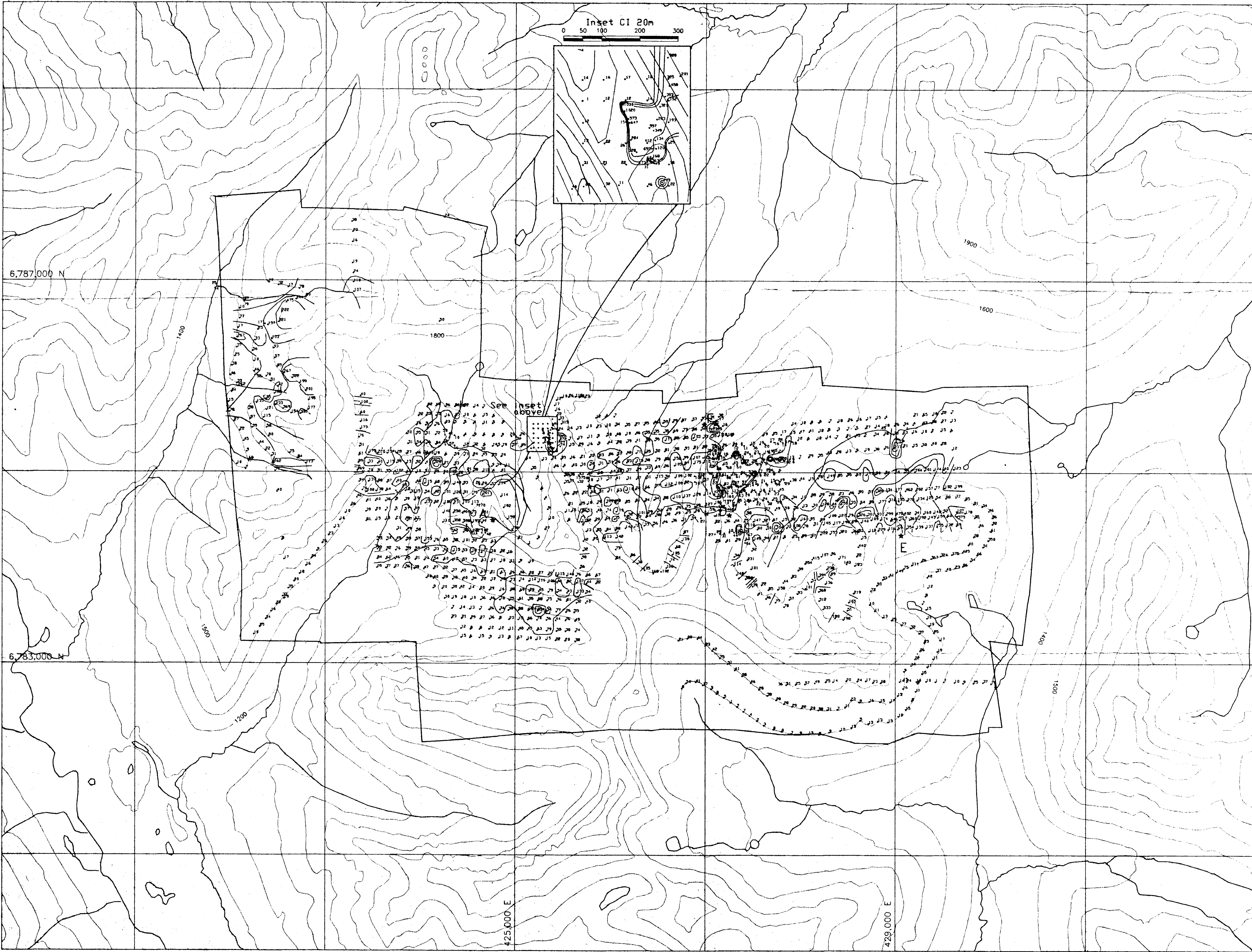
FIGURE 7
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

SAMPLE LOCATION

SHUTOUT PROPERTY



DRAWN/REVISED BY: AB/AC PROJECT: FP
FILE: C:\FP\SOUT\ACAD97\SH-SN020.DWG DATE: May, 1998

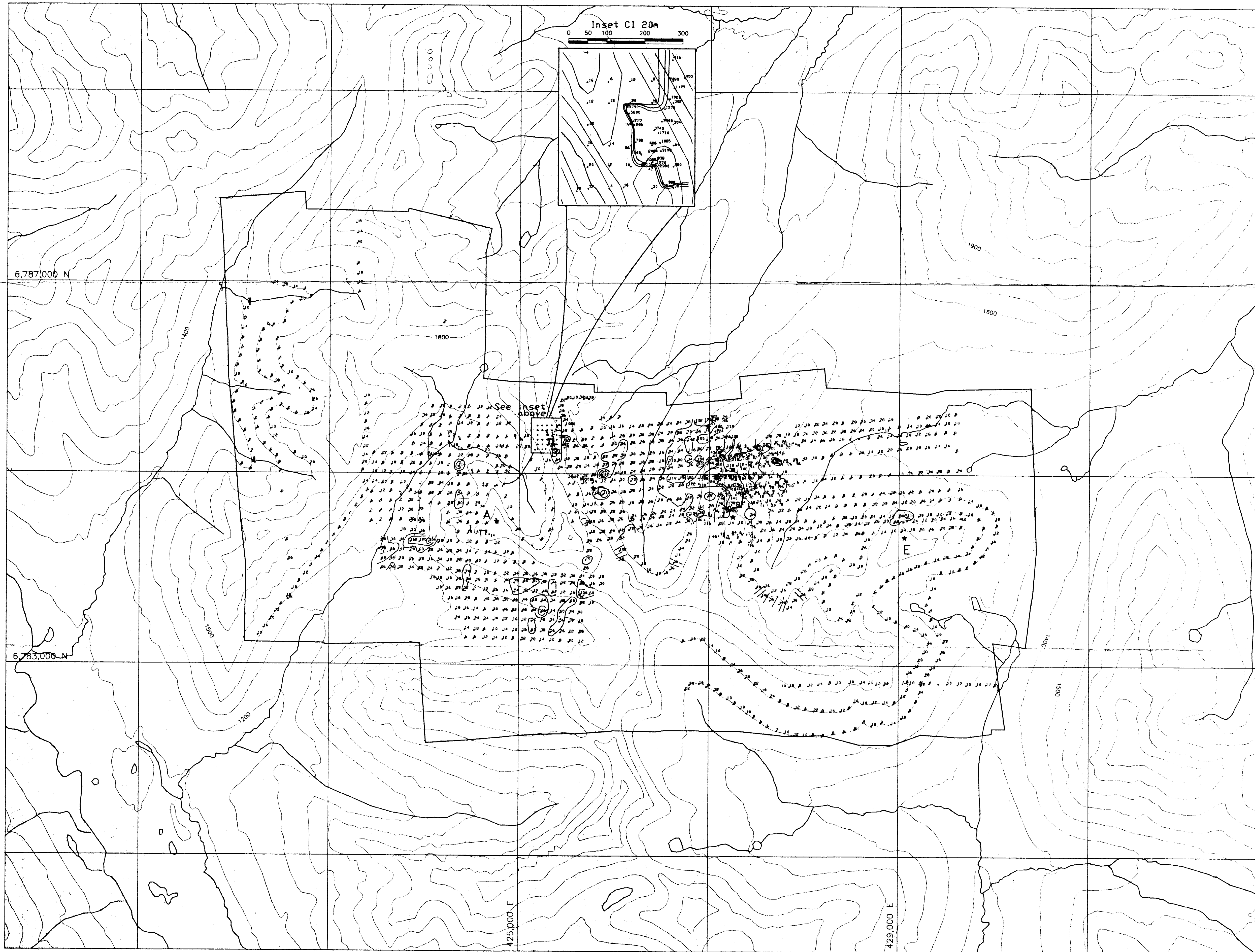


Grid North
True North
1' 32"
UTM Zone 9

- Soil sample location with Cu value in ppm
 - Silt sample location with Cu value in ppm
 - Rock sample location with Cu value in ppm
 - Hand trench
 - ★ A Mineral occurrence
-
- ≥ 200 ppm Cu
 - ≥ 100 < 200 ppm Cu
 - ≥ 50 < 100 ppm Cu

093891

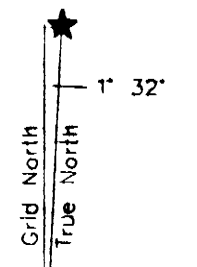
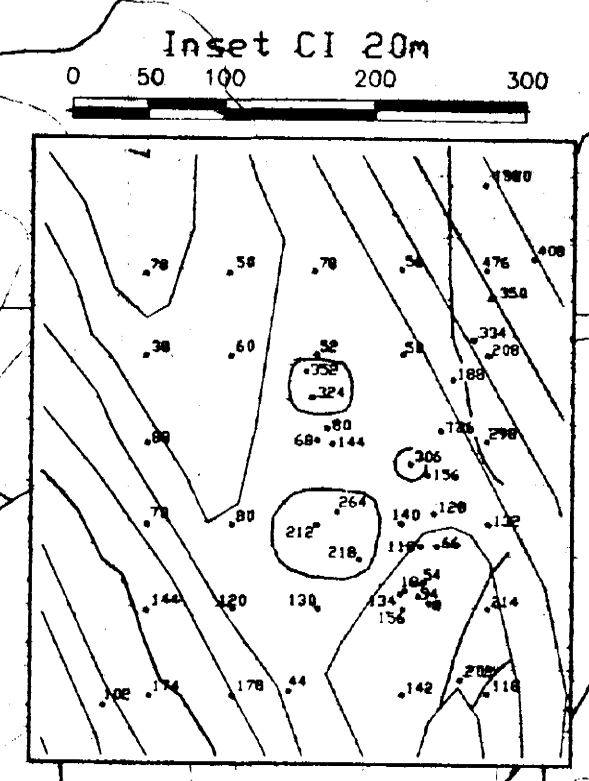
EXPATRIATE RESOURCES LTD.	
FIGURE 8 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED	
COPPER GEOCHEMISTRY	
SHUTOUT PROPERTY	
SCALE 1:20,000	
0 200 400 800 1200 1600 2000	
DRAWN/REVISED BY: AB/AC	PROJECT: FP
FILE: C:\FP\SO\ACAD97\SH-SNO20.DWG	DATE: May, 1998



- Soil sample location with Pb value in ppm
 - Silt sample location with Pb value in ppm
 - Rock sample location with Pb value in ppm
 - Hand trench
 - ★ A Mineral occurrence
-
- ≥ 200 ppm Pb
 - ≥ 100 < 200 ppm Pb
 - ≥ 50 < 100 ppm Pb

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EXPATRIATE RESOURCES LTD.	
FIGURE 9 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED	
LEAD GEOCHEMISTRY	
SHUTOUT PROPERTY	
SCALE 1:20,000 0 200 400 800 1200 1600 2000	
DRAWN/REVISED BY: AB/AC	PROJECT: FP
FILE: C:\FP\SOUTH\ACAD97\SH-SNO20.DWG	DATE: May, 1998



UTM Zone 9

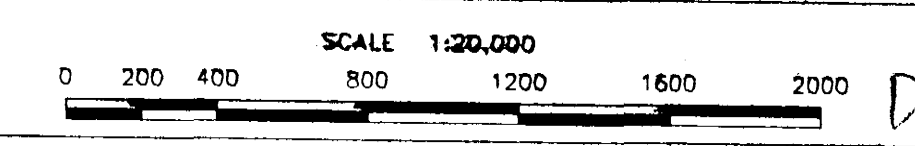
- Soil sample location with Zn value in ppm
- Silt sample location with Zn value in ppm
- Rock sample location with Zn value in ppm
- Hand trench
- ★ Mineral occurrence

- ≥ 1000 ppm Zn
- ≥ 500 < 1000 ppm Zn
- ≥ 200 < 500 ppm Zn

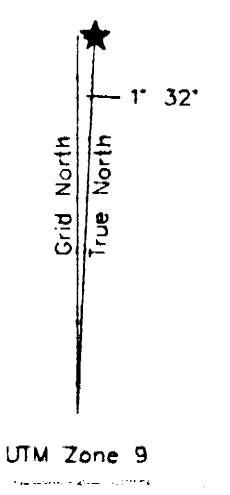
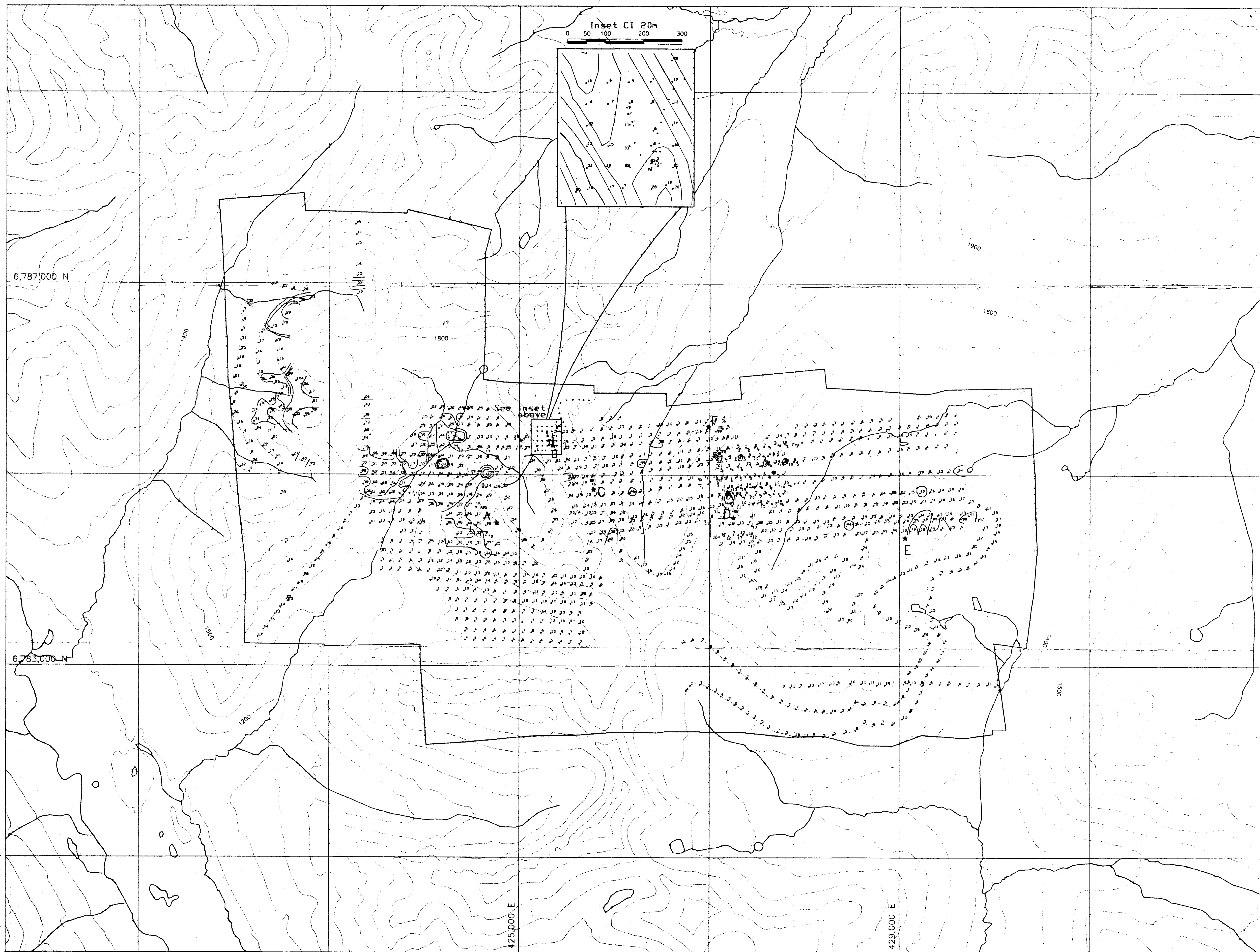
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EXPATRIATE RESOURCES LTD.

FIGURE 10
 ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
ZINC GEOCHEMISTRY
 SHUTOUT PROPERTY



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 FILE: C:\FP\SOUT\ACAD97\SH-SNO20.DWG DATE: May, 1998



- Soil sample location with Co value in ppm
- Silt sample location with Co in ppm
- Rock sample location with Co in ppm
- Hand trench
- ★ Mineral occurrence

- ≥ 80 ppm Co
- $\geq 50 < 80$ ppm Co
- $\geq 30 < 50$ ppm Co

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EXPATRIATE RESOURCES LTD.

FIGURE 11
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

COBALT GEOCHEMISTRY

SHUTOUT PROPERTY

SCALE 1:20,000

0 200 400 800 1200 1600 2000

DRAWN/REVISED BY: AB/AC PROJECT: FP
 FILE: C:\FP\SOUT\ACAD97\SH-SN020.DWG DATE: May, 1998

DWB