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

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ASSESSMENT REPORT

describing

GEOLOGICAL MAPPING, PROSPECTING, GEOCHEMISTRY AND CLAIM SURVEYS

on the

093684

TAPE PROPERTY

Tape 1-26 Claims YB77085-YB77110

Latitude 61°29' N; Longitude 131°07' W

NTS 105G/6

in the

WATSON LAKE MINING DISTRICT

YUKON TERRITORY

Prepared by

Archer, Cathro & Associates (1981) Limited

for

EXPATRIATE RESOURCES LTD.

A. Burgert, B.Sc.
March, 1997

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

This report has been examined by the Geological Evaluation Unit under Section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 13,000.

M. B[illegible]

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 Tape property which protects a volcanogenic massive sulphide (VMS) target selected from an old assessment report and a regional geochemical data base documenting results of 1973 exploration by a joint venture managed by Archer, Cathro & Associates Limited. Twenty-six claims were staked in early 1996 over a series of soil samples that had yielded anomalous values for copper and lead.

Several previous work programs were conducted in the vicinity of the claims. In 1966 an exploration program was carried out by Riviera Mines Ltd. (Sevensma and Heard, 1967) on the ABC claims 2 km to the southeast. The claims were staked over an intense aeromagnetic anomaly previously outlined by Atlas Exploration Ltd. During 1966 ground magnetic, electromagnetic and gravity surveys returned results consistent with an ultramafic body while a grid soil geochemical survey returned low values. Float containing pyrrhotite, pyrite and minor chalcopyrite was found and a single diamond drill hole cut a 2.4 m wide zone of quartz-graphite schist with minor chalcopyrite surrounding a 10 cm band of massive pyrrhotite which assayed 0.02% copper and 0.05% zinc.

Work was also done on the Leo claims adjacent to the ABC claims. Exploration by Northlake Mines Ltd. in 1966 and 1967 (Sevensma, 1967) focussed on gold mineralization associated with a quartz-carbonate altered zone within an ultramafic body. The property was restaked in 1988 as the QC claims by Welcome North Mines Ltd. which explored by geological mapping, prospecting and soil sampling (Potter, 1988). No potential economic grade gold mineralization was identified by either project.

Field exploration was conducted by Expatriate in late summer 1996 by crews working from a base camp on Finlayson Lake. The work consisted of reconnaissance soil geochemistry, geological mapping, prospecting and claim surveys. The program was managed by Archer, Cathro & Associates (1981) Limited and participated in 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°29'N and longitude 131°07'W on NTS map sheet 105G/6 (Figure 1). It is comprised of twenty-six contiguous mineral claims (Figure 2) registered with the Watson Lake Mining Recorder in the name of Archer, Cathro & Associates (1981) Limited which holds them in trust for Expatriate Resources Ltd. Claim registration data is listed below.

Claim Name	Grant Number	Expiry Date*
Tape 1-26	YB77085-YB77110	February 20, 2002

*Expiry date includes 1996 work filed for assessment credit but not yet accepted.

In 1996 the property was accessed by helicopter from Expatriate's base camp on Finlayson Lake (Km 232 on the Robert Campbell Highway). The property lies 36 km southwest of the base camp and 225 km northeast of Whitehorse. Helicopter support was provided by a Bell 206B Jet Ranger contracted from Kluane Helicopters of Haines Junction. The helicopter was stationed at Expatriate's base camp for the summer.

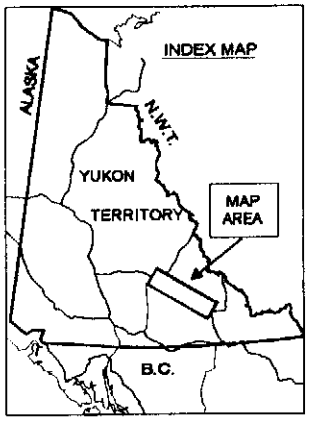
During the 1996 exploration program most claim post locations were surveyed using Trimble Geoexplorer GPS units. Field readings were corrected using base station data from Westmin Resources Limited's camp at Wolverine Lake. GPS survey data appears in Appendix II.

Figure 1

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

PROPERTY LOCATION

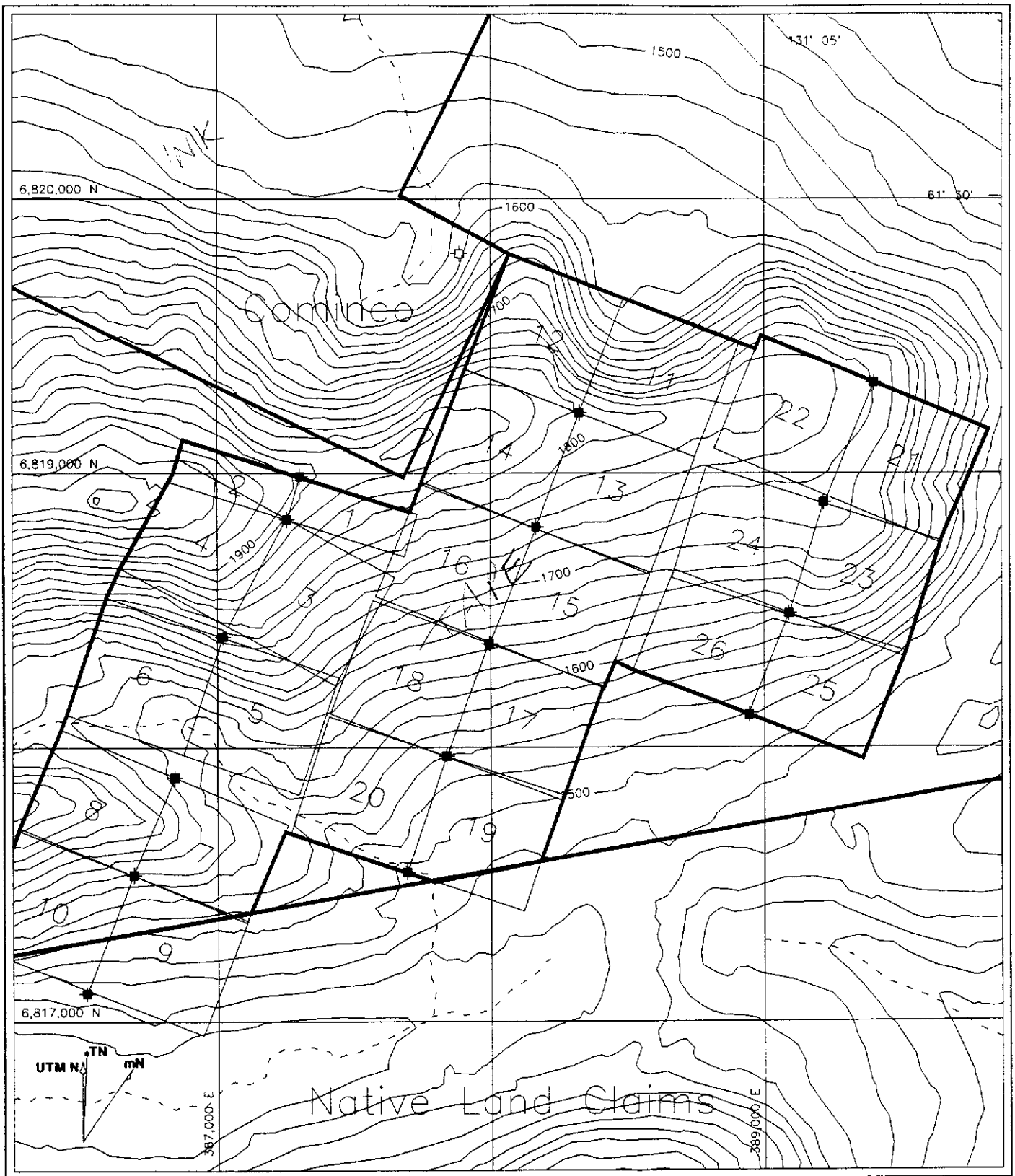
TAPE PROPERTY
EXPATRIATE RESOURCES LTD.



August 26, 1996

Note: Claim boundaries are approximate

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



- Post location with standard GPS fix
- Post location with poor GPS fix
- Post location with no GPS fix

0 100 200 400 600 800 1000 m

FIGURE 2

Archer, Cathro & Associates (1981) Limited

CLAIM LOCATION

TAPE PROPERTY

EXPATRIATE RESOURCES LTD.

SCALE: 1: 20,000	FILE: TP-CLI.DWG	
DRAWN: TCB	PROJ: FP	DATE: FEB 18/97

GEOMORPHOLOGY

The Tape property covers a steep sided ridge in the Pelly Mountains about 15 km northeast of the Tintina Trench. Creeks draining the northern portion of the property flow northerly into the Big Campbell Creek while creeks draining the southern portion of the property flow southerly into the Hoole River. Both Big Campbell Creek and Hoole River are part of the Pelly River watershed.

Elevations range from 1500 m in a valley at the property's southern margin to 2015 m atop the ridge which transects the northern part of the claim block. Topographic relief is steep, typically 20 to 40°, with occasional impassable cliffs. The valley bottom is covered with Pleistocene glacial till deposits.

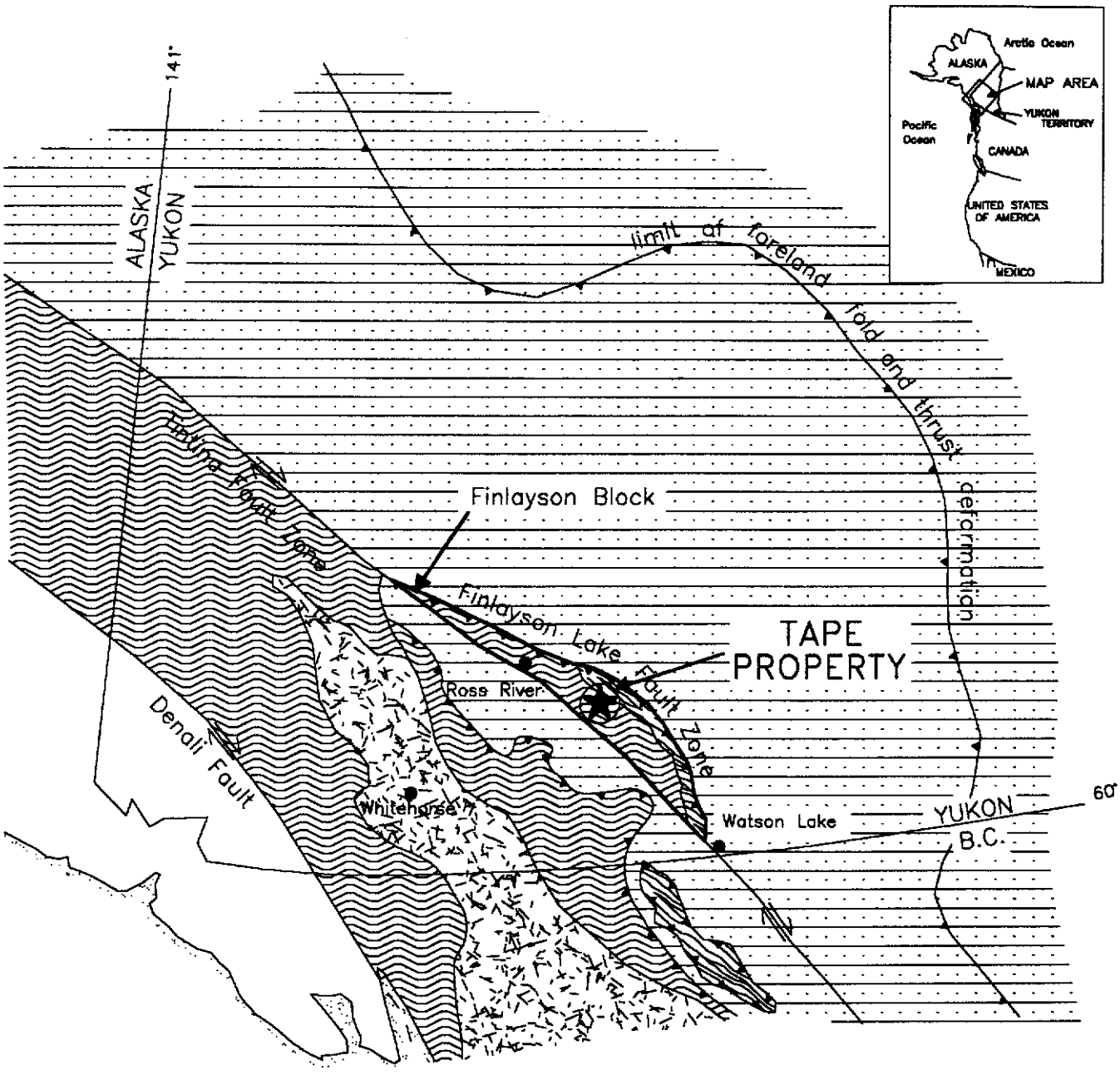
Vegetation consists of moderately dense growths of willow and buckbrush in the valley giving way to scattered buckbrush, alpine grass and lichen at higher elevations. Part of the ridge top is covered by a grassy meadow while steep talus slopes and cliffs are vegetated only by moss and lichen.

REGIONAL GEOLOGY

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

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

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



Thrust fault

Steep fault

Yukon–Tanana Terrane

Slide Mountain Terrane

Stikinia and other Terranes

North American Miogeoclinal Strata

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

FIGURE 3

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

TECTONIC SETTING

TAPE PROPERTY

EXPATRIATE RESOURCES LTD.

0 100 200 300 400

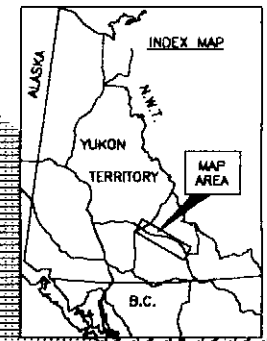
KILOMETRES

FIGURE 4

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

REGIONAL GEOLOGY

TAPE PROPERTY
EXPATRIATE RESOURCES LTD.



TAPE PROPERTY

Kudz Ze Kayah Deposit

Tintina Trench

TINTINA FAULT ZONE - 450 km RIGHT LATERAL OFFSET

130°00'

62°00'

61°00'

North American Miogeocline

- Pre-Triassic sedimentary and volcanic

Slide Mountain Terrane

- Chert, ultramafic, greenstone, metavolcanics, and carbonate rocks

Yukon-Tanana Terrane

- Paleozoic Metaplutonic Rocks
- Paleozoic Layered Metamorphic Sequence

Units common to all three terranes

- Young Volcanic Rocks
- Mesozoic Plutonic Rocks
- Mesozoic Clastic Rocks

- Geological contacts
- Steep fault
- Thrust fault
- Properties held by Expatriate Resources Ltd.

0 10 20 30 40 50

Kilometres

Modified after Mortensen and Jilson (1988)

Pennsylvanian to Early Permian (Tempelman-Kluit, 1979) form the uppermost unit of the Yukon-Tanana Terrane.

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

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

The Devonian-Mississippian Simpson Suite (Mortensen, 1992) forms thick intervals of hornblende granodiorite and quartz monzonite higher in the Yukon-Tanana stratigraphic sequence. Mortensen and Jilson (1985) interpreted this suite as intrusive. Tempelman-Kluit (1979, personal

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

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

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

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

Structurally Yukon-Tanana schists and gneisses contain a pervasive, flat- to gently-dipping foliation. Close examination of this fabric indicates that it commonly is a closely spaced crenulation cleavage. Large-scale folds related to this fabric can rarely be mapped in the field. In most cases bedding and earlier fabrics are transposed into near parallelism with this dominant

fabric. Later crenulation cleavages are present only locally. Some of the Cretaceous intrusions have a mild deformation fabric, others are massive and do not contain a foliation.

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

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

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

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

REGIONAL MINERALIZATION

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

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

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

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

REGIONAL GEOCHEMISTRY

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

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

government survey. Almost all of the known volcanogenic occurrences showed up as anomalies on this survey, including Kudz Ze Kayah and Wolverine.

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

GEOCHEMICAL BACKGROUNDS AND ANOMALOUS THRESHOLDS

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

The Tape property was staked to protect a target selected from the Archer Cathro data. Peak values from 1973 sampling at Tape were 115 ppm copper, 69 ppm lead and 160 ppm zinc.

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

REGIONAL GEOPHYSICS

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

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

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

PROPERTY GEOLOGY AND MINERALIZATION

Bedrock exposure is excellent on northerly-facing slopes and poor to moderate along the ridge top and on southerly-facing slopes. Property geology is shown on Figure 5 while the seven main rock types encountered on the property are described below from northeast to southwest across the property, which corresponds to order of younging. All are part of the Layered Metamorphic Sequence.

Two foliation surfaces are recognizable in all the units. The first is a schistosity that is parallel to bedding. No folds related to this schistosity were observed in the field. The second foliation surface is a crenulation cleavage that is axial planar to southwestern-verging folds. The cleavage is gently dipping to horizontal with fold axes trending northwest. Schistosity is at a high angle to the crenulation cleavage consistently across the property.

The most northeasterly subcrop and outcrop exposures consist of pale silvery green, slightly silty, noncalcareous, chlorite-muscovite phyllite. The phyllite weathers to produce patchy medium brown coatings on foliation surfaces. Subtle bedding is visible on foliation surfaces as thin colour banding. Dark green, massive, greenstone (chloritic phyllite) is frequently interbanded with the chlorite-muscovite phyllite. Locally the chloritic phyllite contains relict equigranular igneous textures. Commonly it is slightly to moderately calcareous with tan calcite replacing feldspars. This unit has an exposed thickness of about 200 m.

Southwest of the chlorite-muscovite phyllite is a thin band of black, noncalcareous, quartzose, carbonaceous phyllite. The unit weathers to a rusty limonite brown because of minor disseminated pyrite grains. The thickness of this unit is uncertain but does not exceed 50 m.

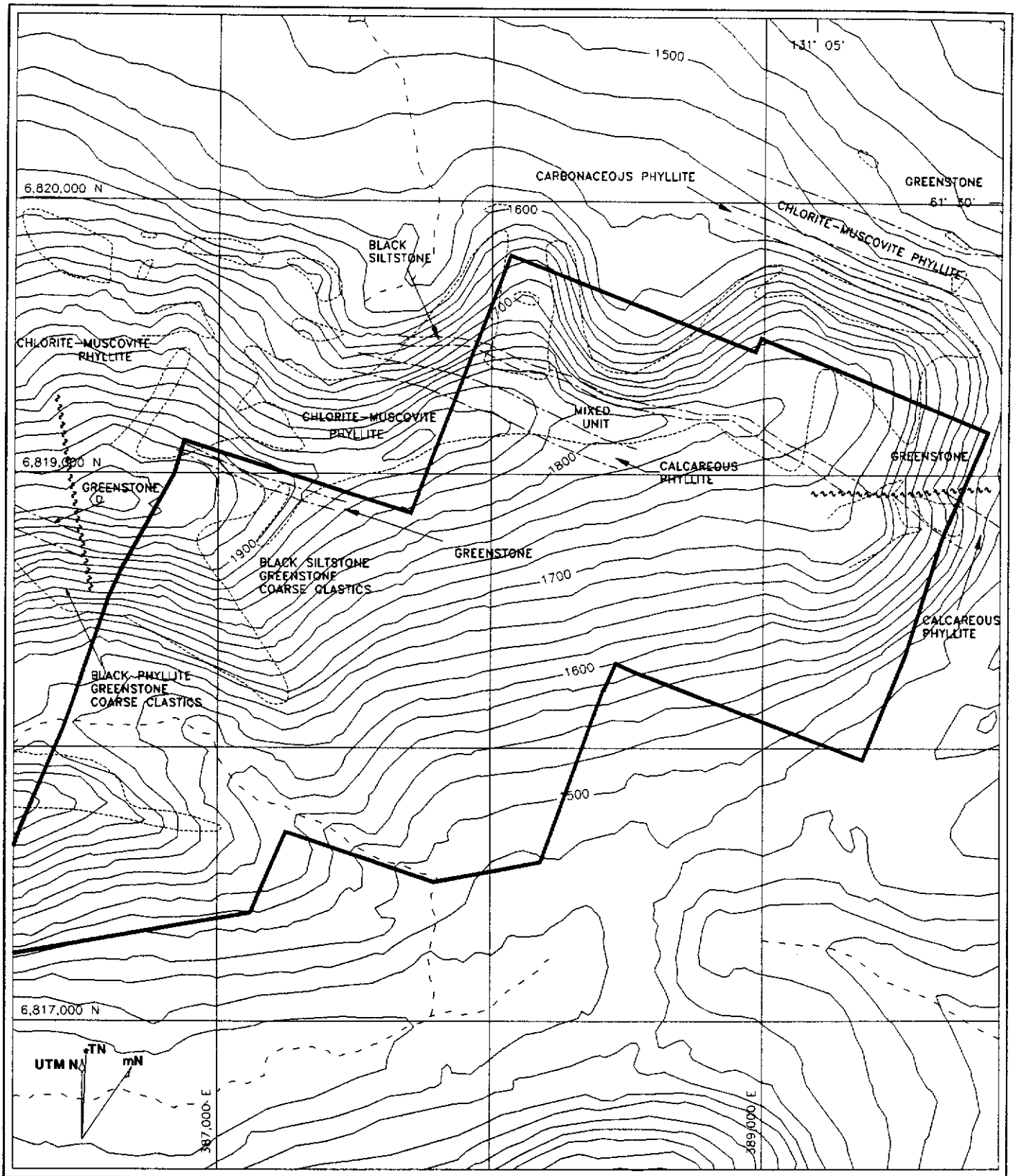


FIGURE 5

Archer, Cathro & Associates (1981) Limited

PROPERTY GEOLOGY

TAPE PROPERTY

EXPATRIATE RESOURCES LTD.

SCALE: 1: 20,000	FILE: TP-GEOL.DWG	
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The next unit to the southwest is a 700 m thick section of greenstone (chloritic phyllite). Locally the greenstone contains amygdules or exhibits primary bedding that is defined by scoriaceous intervals up to 20 m thick. Commonly the unit is moderately carbonate altered with minor thin, tan weathering calcite veins, lenses or bands.

Immediately southwest of the greenstone package is a 150 m thick section of interbanded lithologies. This mixed unit starts with a 40 m thick hard, siliceous, black, carbonaceous siltstone containing thin quartz-pyrite veinlets. Southwest of the siltstone is a rapidly changing sequence of chlorite-muscovite phyllite, greenstone and black phyllite. The uppermost rock type is a black phyllite similar to the carbonaceous siltstone at the start of the sequence.

The next unit is a silvery grey, calcareous phyllite. The phyllite contains interbands and lenses of medium dark grey, slightly argillaceous limestone. The limestone interbands are 10 to 15 cm thick and constitute up to 40% of the unit. Locally the phyllite also contains interbands of massive, medium crystalline greenstone. The calcareous phyllite unit is approximately 40 m thick.

Southwest of the calcareous phyllite is a second sequence of thinly laminated, chlorite-muscovite phyllite. This phyllite is about 20 m thick and is lithologically identical to the phyllite forming the most northeasterly exposures. The phyllite is interbanded with thin massive greenstone. Locally the greenstone is slightly to moderately carbonate altered.

The unit furthest to the southwest consists of another thick sequence of black carbonaceous phyllite with interbeds of conglomerate, felsic volcaniclastic and massive chloritic greenstone. A minimum thickness of 150 m was obtained for this sequence. The dominant rock type is black

phyllite which grades to quartzite and contains thin white quartz-pyrite veinlets. The greenstone is massive, dark green and slightly to moderately calcareous in some exposures. The felsic volcaniclastic is light grey to off white and exhibits clasts of black shale, quartz and feldspar. The conglomerate contains clasts of feldspar, shale and bluish quartz within a dark brown shale matrix. The conglomerate could be considered "grit" in terms of its composition and grain size.

PROPERTY GEOCHEMISTRY

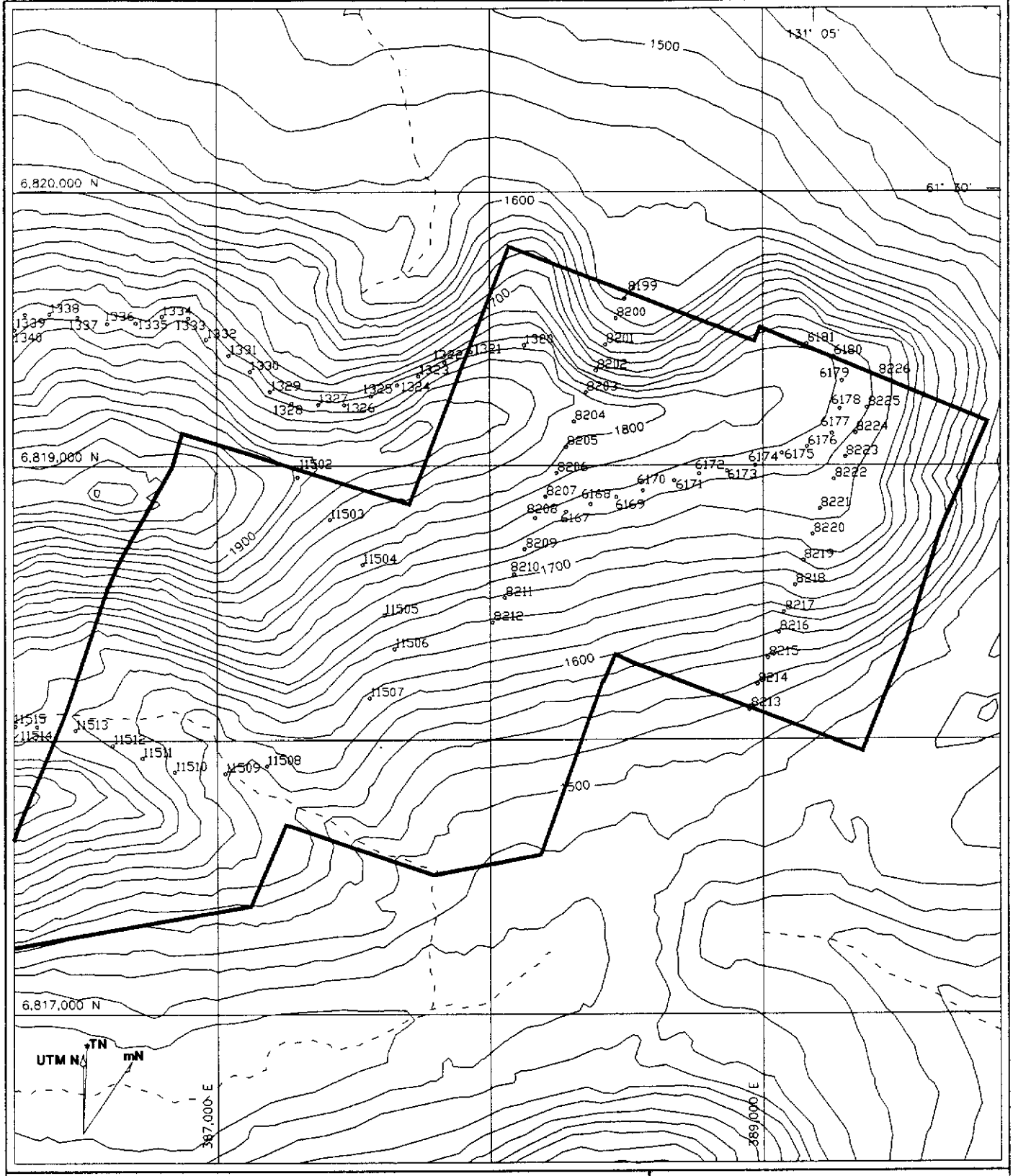
Reconnaissance soil sampling was carried out at 100 m intervals along the claim lines and on two contour lines. Sample locations are shown on Figure 6 and were marked with 50 cm wooden lath bearing aluminum tags inscribed with sample numbers.

The samples were sent to Chemex Labs Ltd. in North Vancouver, B.C. where they were screened to -80 mesh, digested in nitric-aqua regia and geochemically analyzed for 32 elements using the Induced Coupled Plasma (ICP) technique. Certificates of Analysis are listed in Appendix III. Results for five indicator elements (copper, lead, zinc, cobalt and molybdenum) are plotted on Figures 7 to 11 while anomalous thresholds and peak values for six VMS pathfinder metals are as follows.

	Threshold Values (ppm)			
Element	Weak	Moderate	Strong	Peak Value
Copper	50	100	NA*	188
Lead	50	100	200	440
Zinc	200	500	1000	870
Cobalt	25	50	NA*	87
Molybdenum	2	NA*	NA*	4
Silver	NA*	NA*	NA*	0.8

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

A 300 m long zone of weakly to moderately anomalous copper, cobalt and molybdenum values was outlined on a steep cirque wall along the northern edge of the property. Two other anomalous areas were delineated in the eastern portion of the property. Each is roughly 300 m long and consists of weakly to strongly anomalous lead, zinc and molybdenum values. The



J1510 Sample location with number
All samples prefixed with BB

Claim boundary

0 100 200 400 600 800 1000 m

FIGURE 6

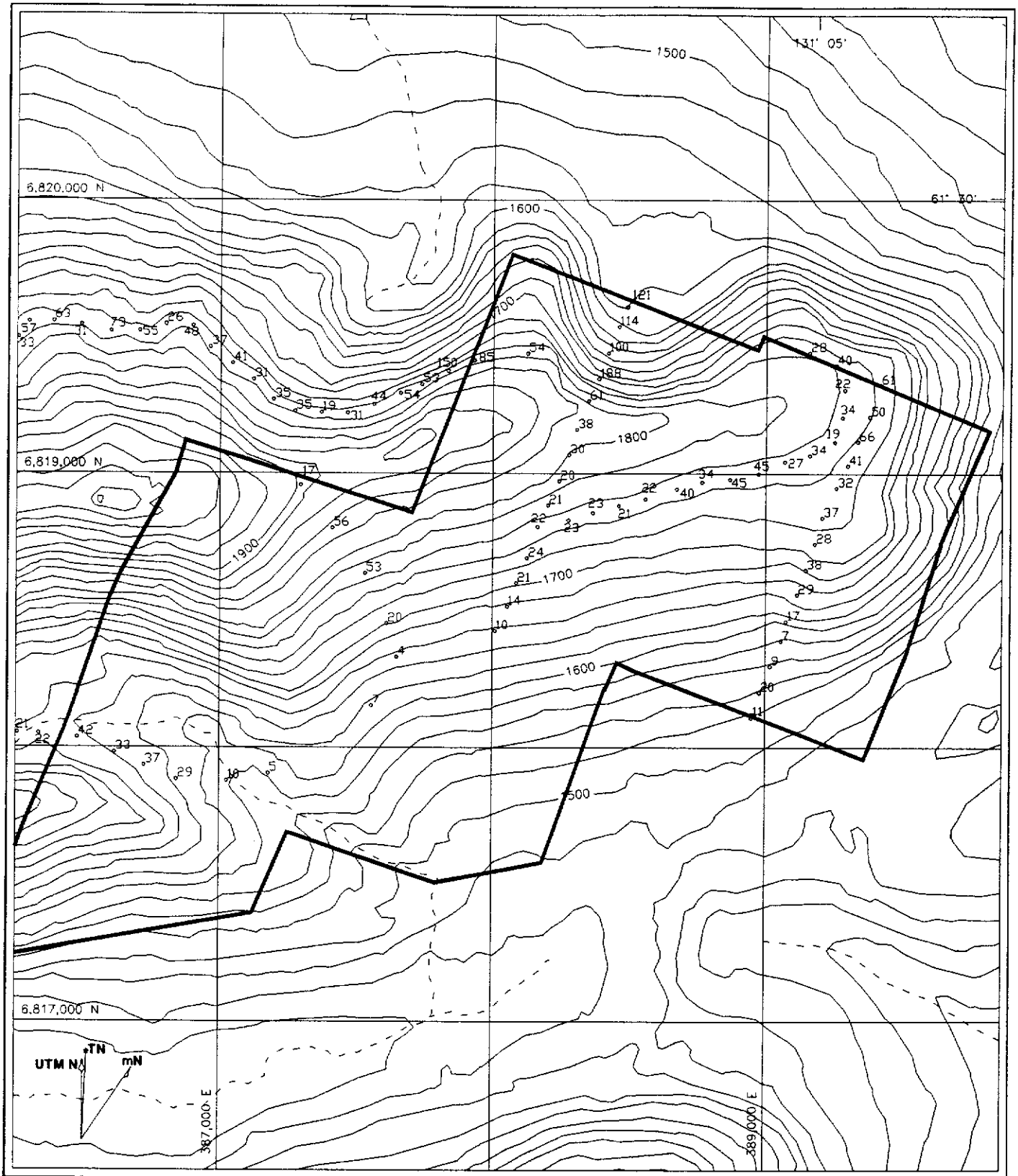
Archer, Cathro & Associates (1981) Limited

SAMPLE LOCATION

TAPE PROPERTY

EXPATRIATE RESOURCES LTD.

SCALE: 1: 20,000	FILE: TP-SNO.DWG	
DRAWN: TCB	PROJ: FP	DATE: FEB 18/97



115 Sample location with copper value in ppm

Claim boundary

0 100 200 400 600 800 1000 m

FIGURE 7

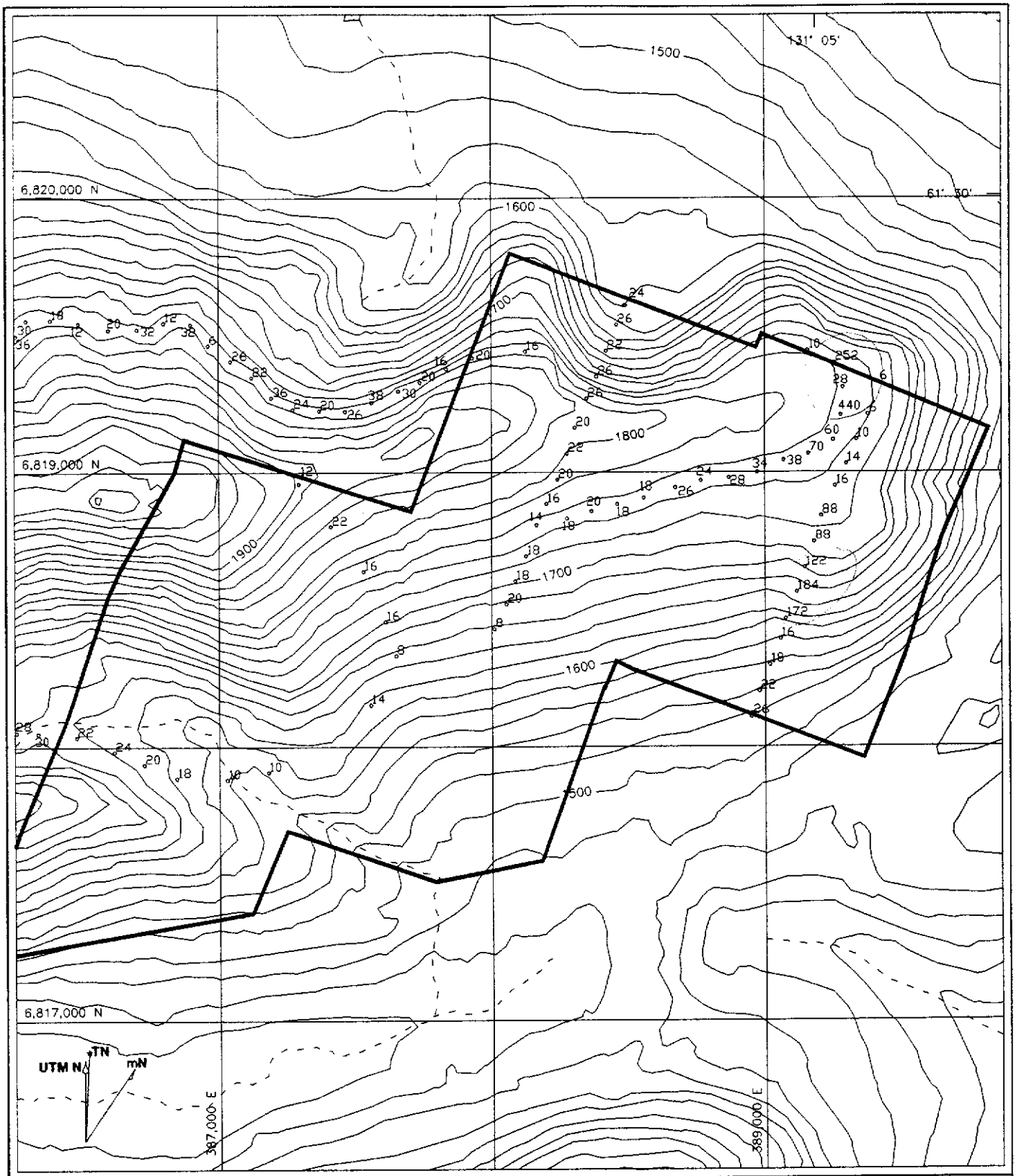
Archer, Cathro & Associates (1981) Limited

COPPER GEOCHEMISTRY

TAPE PROPERTY

EXPATRIATE RESOURCES LTD.

SCALE: 1: 20,000	FILE: TP-CU.DWG	
DRAWN: TCB	PROJ: FP	DATE: FEB 18/97



115 Sample location with lead value in ppm

Claim boundary

0 100 200 400 600 800 1000 m

FIGURE 8

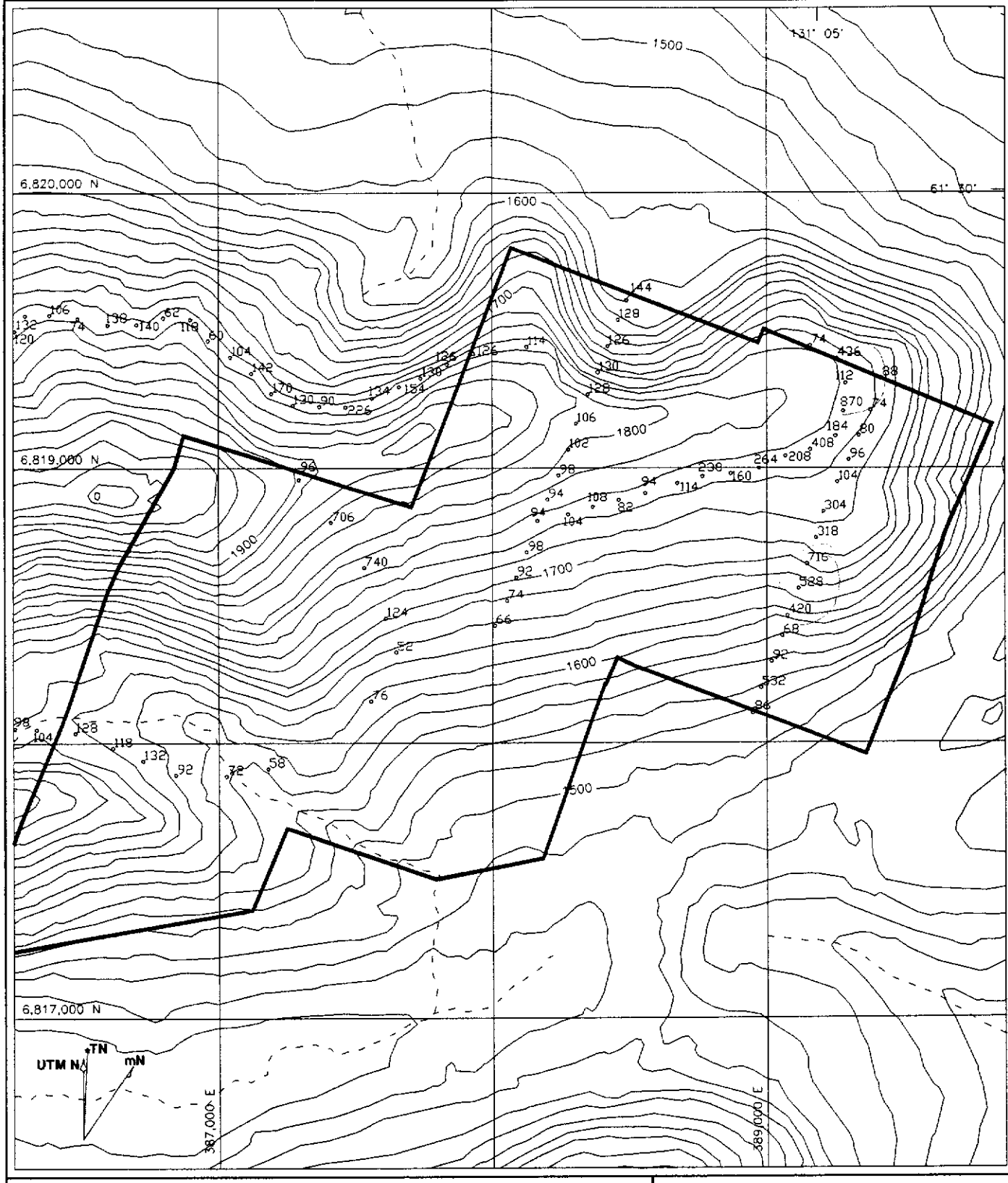
Archer, Cathro & Associates (1981) Limited

LEAD GEOCHEMISTRY

TAPE PROPERTY

EXPATRIATE RESOURCES LTD.

SCALE: 1: 20,000	FILE: TP-P8.DWG	
DRAWN: TCB	PROJ: FP	DATE: FEB 18/97



132 Sample location with zinc value in ppm

Claim boundary

0 100 200 400 600 800 1000 m

FIGURE 9

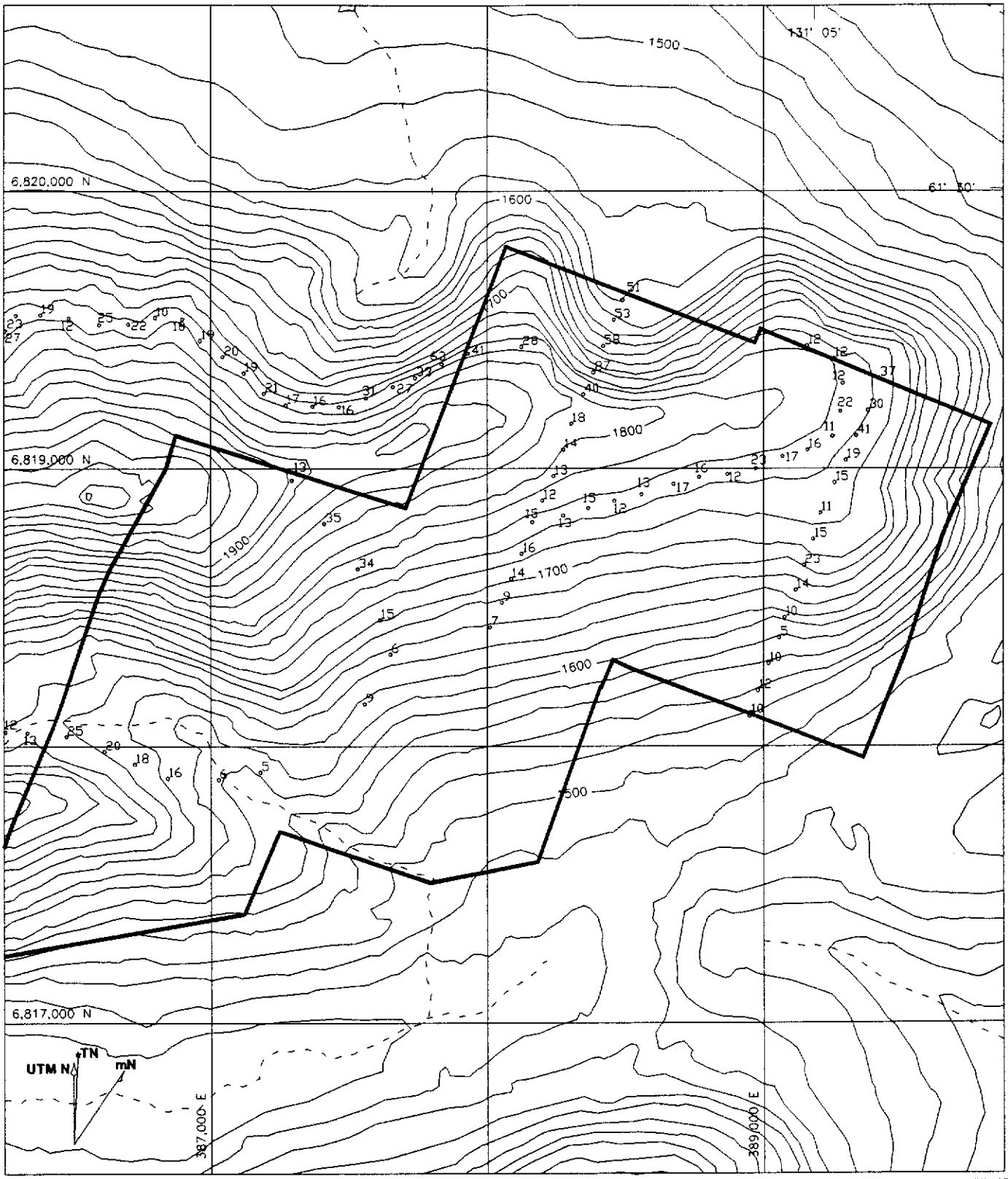
Archer, Cathro & Associates (1981) Limited

ZINC GEOCHEMISTRY

TAPE PROPERTY

EXPATRIATE RESOURCES LTD.

SCALE: 1: 20,000	FILE: TP-ZN.DWG	
DRAWN: TCB	PROJ: FP	DATE: FEB 18/87



151 Sample location with cobalt value in ppm

Claim boundary

0 100 200 400 600 800 1000 m

FIGURE 10

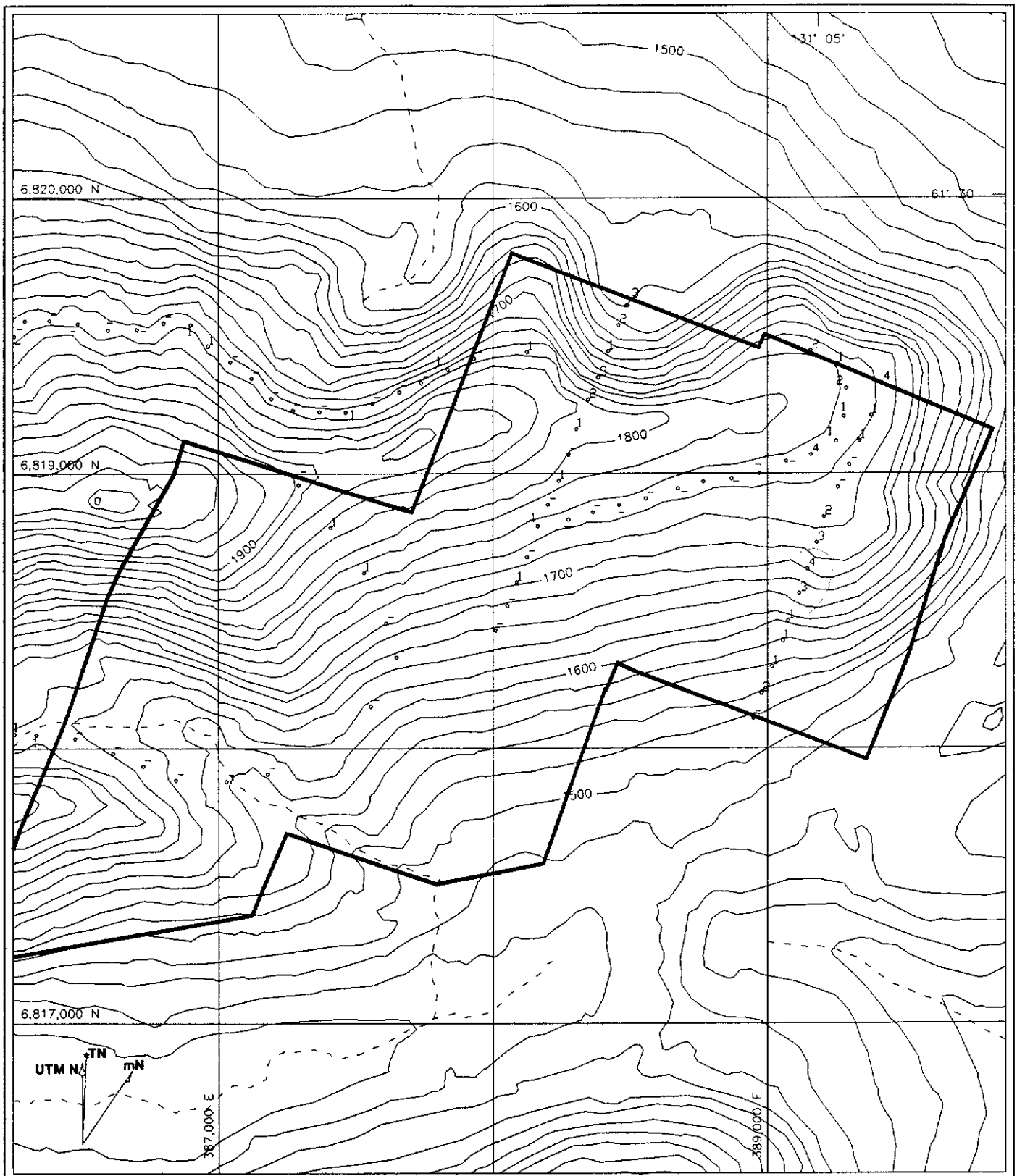
Archer, Cathro & Associates (1981) Limited

COBALT GEOCHEMISTRY

TAPE PROPERTY

EXPATRIATE RESOURCES LTD.

SCALE: 1: 20,000	FILE: TP-CO.DWG	
DRAWN: TCB	PROJ: FP	DATE: FEB 18/87



51 Sample location with molybdenum value in ppm

Claim boundary

0 100 200 400 600 800 1000 m

FIGURE 11

Archer, Cathro & Associates (1981) Limited

MOLYBDENUM GEOCHEMISTRY

TAPE PROPERTY

EXPATRIATE RESOURCES LTD.

SCALE: 1: 20,000	FILE: TP-MO.DWG	
DRAWN: TCB	PROJ: FP	DATE: FEB 18/97

eastern zones occur on a broad southerly-facing slope that is mostly covered by overburden and have not been mapped or extensively prospected. The geochemical signature of the northern anomaly suggests a Besshi-type VMS target while those for the eastern anomalies are consistent with Kuroko-type mineralization.

CONCLUSIONS AND RECOMMENDATIONS

The Tape property is underlain by rocks of the Layered Metamorphic Sequence, a favourable succession for VMS mineralization. Reconnaissance soil sampling located three areas of anomalous base metal values, none of which has been adequately explained by observed geology.

Detailed prospecting is recommended over the northern portion of the property to locate the source of the anomalies. Prospecting and grid soil sampling are recommended in the anomalous areas within the southern part of the property.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

A. Burgert, B.Sc.

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APPENDIX I

AUTHOR'S STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

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

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

A. Burgert, B.Sc.

APPENDIX II

GPS DATA

Tape 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 Northing	Easting	Data Quality	Base Station	Date
2345	Tape	1, 2	-	6818989	387304	Standard	W	15-Aug-96
2346		3, 4	1, 2	6818833	387256	Standard	W	15-Aug-96
2347		5, 6	3, 4	6818403	387021	Standard	W	15-Aug-96
2348		7, 8	5, 6	6817891	386843	Standard	W	15-Aug-96
2349		9, 10	7, 8	6817534	386693	Standard	W	15-Aug-96
2350		-	9, 10	6817103	386521	Standard	W	15-Aug-96
2351		11, 12	-	6819801	387886	Uncorrected	RR	10-Aug-96
2352		13, 14	11, 12	6819221	388327	Standard	RR	10-Aug-96
2353		15, 16	13, 14	6818805	388167	Standard	W	15-Aug-96
2354		17, 18	15, 16	6818378	387994	Standard	W	15-Aug-96
2355		19, 20	17, 18	6817969	387838	Standard	W	15-Aug-96
2356		-	19, 20	6817544	387693	Standard	W	15-Aug-96
2357		21, 22	-	6819333	389403	Standard	RR	10-Aug-96
2358		23, 24	21, 22	6818895	389219	Standard	RR	10-Aug-96
2359		25, 26	23, 24	6818489	389092	Standard	RR	10-Aug-96
2360		-	25, 26	6818119	388944	Standard	RR	10-Aug-96

B. Geological Stations

Claim	Station		UTM Coordinates Northing	Easting	Data Quality	Base Station	Date
Tape	A96-267	outcrop	6819831	390040	Standard	RR	10-Aug-96
	A96-271	outcrop	6819395	389563	Standard	RR	10-Aug-96
	A96-274	outcrop	6818957	389144	Standard	RR	10-Aug-96
	A96-275	subcrop	6819256	389088	Standard	RR	10-Aug-96
Tape	BB06171	soil contour	6818840	388673	Standard	W	15-Aug-96
	BB06176	soil contour	6818750	389166	Standard	W	15-Aug-96
	BB06181	soil contour	6818993	389449	Standard	W	15-Aug-96
Tape	M96-289	station	6819391	388197	Standard	W	15-Aug-96
	M96-290	station	6819287	388759	Standard	W	15-Aug-96
	M96-292	station	6819160	387730	Standard	W	15-Aug-96
	M96-294	station	6818966	387068	Standard	W	15-Aug-96
	M96-298	station	6818671	385818	Standard	W	15-Aug-96

APPENDIX III

CERTIFICATES OF ANALYSIS

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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VANCOUVER, BC
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Project : TAPE
Comments:

Page Number : 1
Total Pages : 1
Certificate Date: 10-DEC-96
Invoice No. : I9642493
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9642493

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BB01354	244	--	20
BB01355	244	--	15
BB01356	244	--	155
BB01357	244	--	95
BB01358	244	--	< 5
BB01359	244	--	160
BB06178	244	--	5
BB06180	244	--	< 5

CERTIFICATION: Jutta Vonk

Chemex Labs Ltd.

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Page Number : 1-A
Total Pages : 2
Certificate Date: 15-SEP-96
Invoice No. : I9631058
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9631058

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BB01320	201	202	< 0.2	2.10	10	130	< 0.5	< 2	0.87	0.5	28	60	54	6.69	< 10	1	0.05	30	0.99	1525	1
BB01321	201	202	< 0.2	2.24	24	70	< 0.5	< 2	0.58	< 0.5	41	76	85	7.20	< 10	< 1	0.03	50	1.00	1355	< 1
BB01322	201	202	< 0.2	2.69	22	60	< 0.5	< 2	0.73	< 0.5	63	117	150	7.34	< 10	< 1	0.03	60	1.15	1600	1
BB01323	201	202	< 0.2	2.75	24	80	< 0.5	< 2	0.36	< 0.5	33	62	53	5.62	< 10	1	0.04	50	1.43	935	< 1
BB01324	201	202	< 0.2	3.35	14	100	< 0.5	< 2	0.31	< 0.5	27	59	54	6.05	10	2	0.04	90	1.37	1110	< 1
BB01325	201	202	< 0.2	2.35	16	50	< 0.5	< 2	0.23	0.5	31	41	44	4.94	< 10	< 1	0.03	40	0.99	1100	< 1
BB01326	201	202	< 0.2	2.29	16	110	< 0.5	< 2	0.43	0.5	16	44	31	4.73	< 10	< 1	0.05	40	1.19	440	1
BB01327	201	202	< 0.2	1.90	20	80	< 0.5	< 2	0.15	< 0.5	16	31	19	3.60	< 10	< 1	0.05	20	0.83	675	< 1
BB01328	201	202	< 0.2	2.73	16	110	< 0.5	< 2	0.58	< 0.5	17	38	35	4.75	< 10	< 1	0.06	50	1.01	920	< 1
BB01329	201	202	< 0.2	3.03	12	130	< 0.5	< 2	0.13	< 0.5	21	47	35	5.32	< 10	1	0.06	60	1.37	870	< 1
BB01330	201	202	< 0.2	3.13	8	70	< 0.5	< 2	0.17	< 0.5	19	54	31	5.56	< 10	< 1	0.05	60	1.29	910	< 1
BB01331	201	202	< 0.2	2.29	26	90	< 0.5	< 2	0.53	< 0.5	20	33	41	4.01	< 10	< 1	0.05	60	0.98	905	< 1
BB01332	201	202	< 0.2	1.42	8	80	< 0.5	< 2	0.30	< 0.5	19	53	37	4.84	< 10	< 1	0.02	10	0.51	850	1
BB01333	201	202	< 0.2	2.21	14	110	< 0.5	< 2	1.54	0.5	18	39	48	4.18	< 10	1	0.06	50	0.85	1025	1
BB01334	201	202	< 0.2	2.00	6	120	< 0.5	< 2	0.27	< 0.5	10	30	26	2.96	< 10	1	0.05	50	0.69	515	< 1
BB01335	201	202	< 0.2	3.21	8	140	< 0.5	< 2	0.19	< 0.5	22	60	55	6.12	< 10	< 1	0.06	70	1.25	1420	< 1
BB01336	201	202	< 0.2	3.13	20	80	< 0.5	< 2	0.34	< 0.5	25	72	73	6.12	< 10	< 1	0.03	70	1.47	1045	< 1
BB01337	201	202	< 0.2	2.09	4	80	< 0.5	< 2	0.18	< 0.5	12	43	31	3.62	< 10	< 1	0.03	50	1.03	475	< 1
BB01338	201	202	< 0.2	3.26	10	220	0.5	< 2	0.65	< 0.5	19	80	63	4.86	< 10	< 1	0.06	80	1.70	790	< 1
BB01339	201	202	< 0.2	3.20	14	80	< 0.5	< 2	0.35	< 0.5	23	47	57	5.50	< 10	3	0.04	200	1.31	1050	< 1
BB01340	201	202	< 0.2	2.68	8	50	< 0.5	< 2	0.15	0.5	27	40	33	5.38	< 10	< 1	0.02	30	1.07	1170	< 1
BB01341	201	202	< 0.2	2.19	10	100	< 0.5	< 2	0.25	< 0.5	19	43	27	4.47	< 10	< 1	0.04	50	0.99	855	< 1
BB01342	201	202	< 0.2	3.11	8	80	< 0.5	< 2	0.13	< 0.5	30	46	84	5.72	< 10	< 1	0.03	50	1.15	1515	< 1
BB01343	201	202	< 0.2	2.53	10	200	< 0.5	< 2	0.36	< 0.5	20	35	77	4.59	< 10	1	0.05	80	0.95	1505	< 1
BB01344	201	202	< 0.2	1.74	6	260	0.5	< 2	0.93	< 0.5	18	30	104	3.13	< 10	1	0.05	180	0.65	1365	1
BB01345	201	202	< 0.2	2.32	10	280	< 0.5	< 2	0.19	< 0.5	22	50	63	4.30	< 10	< 1	0.05	60	1.04	1215	< 1
BB01346	201	202	< 0.2	2.09	6	120	< 0.5	< 2	0.49	0.5	18	38	37	4.65	< 10	< 1	0.05	50	0.94	925	1
BB01347	201	202	< 0.2	2.05	18	120	< 0.5	< 2	0.41	< 0.5	18	53	36	4.70	< 10	< 1	0.06	50	0.95	790	1
BB01348	201	202	< 0.2	1.98	16	140	< 0.5	< 2	0.27	< 0.5	17	38	32	4.30	< 10	< 1	0.05	50	0.83	790	1
BB01349	201	202	0.6	1.39	140	210	< 0.5	< 2	0.38	< 0.5	23	149	46	4.62	< 10	1	0.09	30	1.16	745	1
BB01350	201	202	0.8	0.57	308	180	< 0.5	< 2	0.36	0.5	19	63	66	3.98	< 10	< 1	0.09	10	0.79	590	3
BB01351	201	202	0.2	0.43	174	140	< 0.5	< 2	0.42	< 0.5	14	82	34	2.74	< 10	< 1	0.10	10	0.94	455	1
BB01352	201	202	0.2	0.54	144	160	< 0.5	< 2	0.23	< 0.5	14	129	30	2.92	< 10	< 1	0.08	20	1.07	625	< 1
BB01353	201	202	0.2	1.27	68	250	< 0.5	< 2	0.34	< 0.5	14	148	46	3.41	< 10	< 1	0.07	10	1.29	510	< 1
BB01354	201	202	0.8	1.65	106	230	< 0.5	< 2	0.46	< 0.5	20	171	70	3.77	< 10	< 1	0.08	10	1.71	595	< 1
BB01355	201	202	0.4	0.66	338	200	< 0.5	< 2	0.18	< 0.5	18	90	47	3.67	< 10	< 1	0.06	10	0.62	805	1
BB01356	201	202	1.0	0.63	684	310	0.5	< 2	0.39	< 0.5	24	102	71	4.92	< 10	< 1	0.07	10	1.54	1665	< 1
BB01357	201	202	3.8	0.84	762	270	0.5	< 2	1.39	0.5	34	126	106	6.50	< 10	1	0.08	10	1.88	1235	1
BB01358	201	202	< 0.2	0.77	608	430	< 0.5	< 2	0.14	< 0.5	26	71	139	5.07	< 10	< 1	0.07	30	0.31	915	< 1
BB01359	201	202	0.8	0.62	846	300	< 0.5	< 2	0.09	< 0.5	15	57	74	4.10	< 10	< 1	0.08	10	0.39	1045	4

CERTIFICATION: Hartt Bichler

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

Certificate Date: 15-SEP-96
Invoice No. :19631058
P.O. Number :
Account :MPO

CERTIFICATE OF ANALYSIS A9631058

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BB01320	201	202	< 0.01	54	1420	16	< 2	8	36	0.03	< 10	< 10	57	< 10	114
BB01321	201	202	< 0.01	114	1840	20	< 2	6	28	0.02	< 10	< 10	51	< 10	126
BB01322	201	202	0.01	206	1530	16	< 2	8	37	< 0.01	< 10	< 10	63	< 10	126
BB01323	201	202	< 0.01	63	1110	20	< 2	6	15	0.04	< 10	< 10	54	< 10	130
BB01324	201	202	< 0.01	56	640	30	< 2	6	21	0.01	< 10	< 10	52	< 10	154
BB01325	201	202	< 0.01	55	830	38	< 2	3	13	< 0.01	< 10	< 10	28	< 10	134
BB01326	201	202	< 0.01	47	1450	26	< 2	6	28	0.01	< 10	< 10	60	< 10	226
BB01327	201	202	0.03	26	630	20	< 2	2	12	0.03	< 10	< 10	32	< 10	90
BB01328	201	202	0.01	39	730	24	< 2	4	29	< 0.01	< 10	< 10	31	< 10	130
BB01329	201	202	< 0.01	44	640	36	< 2	5	10	0.01	< 10	< 10	42	< 10	170
BB01330	201	202	< 0.01	45	670	22	< 2	6	11	< 0.01	< 10	< 10	50	< 10	142
BB01331	201	202	0.03	39	720	26	< 2	5	26	0.01	< 10	< 10	35	< 10	104
BB01332	201	202	0.03	44	1330	6	< 2	4	15	0.01	< 10	< 10	45	< 10	60
BB01333	201	202	0.01	54	1060	32	< 2	5	43	< 0.01	< 10	< 10	36	< 10	118
BB01334	201	202	0.05	25	670	12	< 2	4	14	0.01	< 10	< 10	33	< 10	62
BB01335	201	202	0.01	54	800	32	< 2	6	14	0.01	< 10	< 10	50	< 10	140
BB01336	201	202	< 0.01	70	960	20	< 2	7	18	0.04	< 10	< 10	66	< 10	138
BB01337	201	202	0.03	32	670	12	< 2	4	13	0.03	< 10	< 10	38	< 10	74
BB01338	201	202	0.01	44	700	18	< 2	7	36	0.02	< 10	< 10	65	< 10	106
BB01339	201	202	< 0.01	52	660	30	< 2	6	24	0.01	< 10	< 10	38	< 10	132
BB01340	201	202	< 0.01	40	460	36	< 2	4	9	0.05	< 10	< 10	44	< 10	120
BB01341	201	202	< 0.01	37	800	18	< 2	4	14	0.01	< 10	< 10	42	< 10	106
BB01342	201	202	< 0.01	48	670	28	< 2	6	8	< 0.01	< 10	< 10	43	< 10	148
BB01343	201	202	< 0.01	37	910	18	< 2	9	25	< 0.01	< 10	< 10	48	< 10	112
BB01344	201	202	< 0.01	33	1270	20	< 2	6	48	< 0.01	< 10	< 10	29	< 10	68
BB01345	201	202	< 0.01	48	1070	14	< 2	7	16	0.02	< 10	< 10	45	< 10	114
BB01346	201	202	< 0.01	39	1120	18	< 2	6	22	0.01	< 10	< 10	52	< 10	166
BB01347	201	202	< 0.01	47	1220	24	< 2	5	24	0.02	< 10	< 10	55	< 10	154
BB01348	201	202	< 0.01	35	920	18	< 2	4	18	0.01	< 10	< 10	44	< 10	130
BB01349	201	202	< 0.01	232	970	22	2	6	26	< 0.01	< 10	< 10	41	< 10	142
BB01350	201	202	< 0.01	102	1160	32	2	3	35	< 0.01	< 10	< 10	16	< 10	222
BB01351	201	202	< 0.01	104	990	26	< 2	3	32	< 0.01	< 10	< 10	15	< 10	104
BB01352	201	202	< 0.01	133	730	18	< 2	4	16	< 0.01	< 10	< 10	20	< 10	76
BB01353	201	202	0.01	121	780	10	< 2	7	18	0.03	< 10	< 10	46	< 10	82
BB01354	201	202	< 0.01	186	790	12	2	10	20	0.05	< 10	< 10	64	< 10	90
BB01355	201	202	< 0.01	80	420	14	4	5	15	0.01	< 10	< 10	28	< 10	108
BB01356	201	202	< 0.01	143	350	8	12	14	40	< 0.01	< 10	< 10	48	< 10	92
BB01357	201	202	< 0.01	229	880	114	22	17	66	< 0.01	< 10	< 10	77	< 10	344
BB01358	201	202	< 0.01	95	670	16	2	2	8	< 0.01	< 10	< 10	28	< 10	144
BB01359	201	202	< 0.01	99	430	4	8	7	8	< 0.01	< 10	< 10	14	< 10	68

CERTIFICATION: Stan Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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C/O ARCHER, CATHRO & ASSOCIATES (1981) LIMITED
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VANCOUVER, BC
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Project : TAPE
Comments:

Page [redacted]er : 2-A
Total P[redacted] : 2
Certificate Date: 15-SEP-96
Invoice No. : I9631058
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9631058

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
BB06167	201	202	< 0.2	2.07	14	150	< 0.5	< 2	0.14	< 0.5	13	35	23	4.22	< 10	< 1	0.05	40	0.73	500	< 1
BB06168	201	202	< 0.2	2.33	12	140	< 0.5	< 2	0.50	< 0.5	15	35	23	4.24	< 10	< 1	0.04	40	0.96	630	< 1
BB06169	201	202	< 0.2	1.98	14	100	< 0.5	< 2	0.18	< 0.5	12	38	21	3.82	< 10	1	0.06	30	0.87	560	< 1
BB06170	201	202	< 0.2	2.13	18	130	< 0.5	< 2	0.55	< 0.5	13	38	22	3.43	< 10	< 1	0.06	40	1.05	465	< 1
BB06171	201	202	< 0.2	2.72	22	180	< 0.5	< 2	1.03	< 0.5	17	46	40	4.18	< 10	< 1	0.07	50	1.47	605	< 1
BB06172	201	202	< 0.2	2.34	18	150	< 0.5	< 2	1.14	0.5	16	35	34	3.95	< 10	< 1	0.06	40	1.25	675	< 1
BB06173	201	202	< 0.2	2.09	10	110	< 0.5	< 2	0.59	0.5	12	30	45	3.09	< 10	< 1	0.06	40	1.13	415	< 1
BB06174	201	202	< 0.2	2.16	30	120	< 0.5	< 2	0.43	1.5	23	44	45	5.18	< 10	1	0.06	40	1.15	620	< 1
BB06175	201	202	< 0.2	2.33	16	90	< 0.5	< 2	0.29	0.5	17	34	27	4.05	< 10	< 1	0.05	40	1.26	760	< 1
BB06176	201	202	0.2	1.08	58	140	0.5	< 2	0.22	2.0	16	29	34	4.69	< 10	< 1	0.05	30	0.38	770	4
BB06177	201	202	< 0.2	1.51	34	70	< 0.5	< 2	0.18	0.5	11	30	19	3.49	< 10	1	0.07	10	0.52	520	1
BB06178	201	202	0.8	2.14	84	110	0.5	< 2	0.20	1.5	22	38	34	5.29	< 10	2	0.06	20	0.99	855	1
BB06179	201	202	< 0.2	1.64	26	80	< 0.5	< 2	0.11	< 0.5	12	38	22	3.66	< 10	1	0.04	10	0.63	525	2
BB06180	201	202	1.0	1.77	40	210	< 0.5	< 2	0.30	2.0	12	35	40	4.03	< 10	1	0.04	30	0.81	1370	1
BB06181	201	202	< 0.2	1.51	58	150	< 0.5	< 2	0.63	< 0.5	12	45	28	3.37	< 10	< 1	0.05	30	0.71	320	2
BB11502	201	202	< 0.2	2.00	14	80	< 0.5	< 2	0.05	< 0.5	13	36	17	4.55	< 10	< 1	0.04	30	0.87	805	< 1
BB11503	201	202	0.2	2.46	94	190	0.5	< 2	0.83	4.0	35	61	56	5.77	< 10	< 1	0.09	30	1.07	1290	1
BB11504	201	202	0.2	2.52	88	180	0.5	< 2	0.70	4.5	34	70	53	5.74	< 10	< 1	0.08	30	1.19	1195	1
BB11505	201	202	< 0.2	1.85	16	110	< 0.5	< 2	0.30	< 0.5	15	61	20	3.66	< 10	< 1	0.05	30	0.89	415	< 1
BB11506	201	202	< 0.2	1.35	8	190	< 0.5	< 2	0.21	< 0.5	6	41	4	1.75	< 10	< 1	0.05	30	0.56	155	< 1
BB11507	201	202	< 0.2	1.67	2	160	< 0.5	< 2	0.21	< 0.5	9	48	7	2.73	< 10	< 1	0.04	30	0.76	305	< 1
BB11508	201	202	< 0.2	1.11	20	50	< 0.5	< 2	0.05	< 0.5	5	26	5	3.15	< 10	1	0.06	10	0.33	205	< 1
BB11509	201	202	< 0.2	1.28	12	60	< 0.5	< 2	0.06	< 0.5	6	22	10	2.29	< 10	1	0.04	10	0.44	315	< 1
BB11510	201	202	< 0.2	2.26	16	90	< 0.5	< 2	0.19	< 0.5	16	43	29	3.72	< 10	< 1	0.06	40	0.93	585	< 1
BB11511	201	202	< 0.2	2.37	18	80	< 0.5	< 2	0.22	< 0.5	18	46	37	4.41	< 10	< 1	0.06	50	1.04	725	< 1
BB11512	201	202	< 0.2	2.47	16	80	< 0.5	< 2	0.19	< 0.5	20	45	33	4.55	< 10	1	0.06	50	1.07	780	< 1
BB11513	201	202	< 0.2	2.59	16	100	< 0.5	< 2	0.15	< 0.5	25	39	42	4.92	< 10	< 1	0.06	50	1.07	980	< 1
BB11514	201	202	< 0.2	1.85	6	190	< 0.5	< 2	0.58	< 0.5	13	8	22	2.83	< 10	< 1	0.27	40	0.77	495	1
BB11515	201	202	< 0.2	1.72	2	180	< 0.5	< 2	0.55	< 0.5	12	8	21	2.74	< 10	1	0.26	40	0.72	500	1

CERTIFICATION: Hart Bichler

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To: EXPATRIATE RESOURCES LTD.
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1016 - 510 W. HASTINGS ST.
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Project : TAPE
Comments:

Page Number :2-B
Total Pages :2
Certificate Date: 15-SEP-96
Invoice No. :I9631058
P.O. Number :
Account :MPO

CERTIFICATE OF ANALYSIS A9631058

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
BB06167	201	202	< 0.01	27	700	18	< 2	2	12	0.03	< 10	< 10	56	< 10	104
BB06168	201	202	< 0.01	28	810	20	< 2	5	30	0.03	< 10	< 10	50	< 10	108
BB06169	201	202	< 0.01	28	710	18	< 2	3	14	0.04	< 10	< 10	45	< 10	82
BB06170	201	202	< 0.01	30	710	18	< 2	4	33	0.04	< 10	< 10	42	< 10	94
BB06171	201	202	< 0.01	38	870	26	< 2	6	60	0.03	< 10	< 10	49	< 10	114
BB06172	201	202	< 0.01	34	920	24	< 2	5	56	0.01	< 10	< 10	38	< 10	238
BB06173	201	202	< 0.01	31	610	28	< 2	6	29	< 0.01	< 10	< 10	38	< 10	160
BB06174	201	202	< 0.01	38	860	34	< 2	8	23	< 0.01	< 10	< 10	59	< 10	264
BB06175	201	202	< 0.01	37	710	38	< 2	4	18	< 0.01	< 10	< 10	32	< 10	208
BB06176	201	202	< 0.01	51	1320	70	< 2	3	14	0.01	< 10	< 10	52	< 10	408
BB06177	201	202	< 0.01	26	770	60	< 2	2	12	0.03	< 10	< 10	47	< 10	184
BB06178	201	202	< 0.01	38	970	440	< 2	6	17	0.01	< 10	< 10	79	< 10	870
BB06179	201	202	< 0.01	25	1090	28	< 2	1	12	0.01	< 10	< 10	76	< 10	112
BB06180	201	202	< 0.01	32	1130	252	< 2	5	16	< 0.01	< 10	< 10	58	< 10	436
BB06181	201	202	< 0.01	45	1480	10	< 2	5	27	0.03	< 10	< 10	48	< 10	74
BB11502	201	202	< 0.01	23	1180	12	< 2	2	7	0.01	< 10	< 10	47	< 10	96
BB11503	201	202	0.01	77	1510	22	< 2	7	26	< 0.01	< 10	< 10	59	< 10	706
BB11504	201	202	< 0.01	75	1450	16	< 2	7	24	< 0.01	< 10	< 10	60	< 10	740
BB11505	201	202	< 0.01	45	1040	16	< 2	3	15	0.02	< 10	< 10	51	< 10	124
BB11506	201	202	0.01	20	540	8	< 2	< 1	13	0.01	< 10	< 10	35	< 10	52
BB11507	201	202	< 0.01	28	400	14	< 2	2	12	0.01	< 10	< 10	46	< 10	76
BB11508	201	202	< 0.01	14	540	10	< 2	1	5	0.04	< 10	< 10	62	< 10	58
BB11509	201	202	0.03	15	760	10	< 2	< 1	7	0.01	< 10	< 10	33	< 10	72
BB11510	201	202	< 0.01	32	750	18	< 2	4	9	0.03	< 10	< 10	37	< 10	92
BB11511	201	202	< 0.01	41	800	20	< 2	4	10	0.03	< 10	< 10	39	< 10	132
BB11512	201	202	< 0.01	39	700	24	< 2	4	9	0.04	< 10	< 10	39	< 10	118
BB11513	201	202	0.02	40	650	22	< 2	4	8	0.02	< 10	< 10	37	< 10	128
BB11514	201	202	0.01	5	610	30	< 2	6	40	0.08	< 10	10	37	< 10	104
BB11515	201	202	< 0.01	5	580	28	< 2	5	37	0.08	< 10	10	35	< 10	98

CERTIFICATION: Hart Bichler

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To: EXPATRIATE RESOURCES LTD.
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1016 - 510 W. HASTINGS ST.
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Project : TAPE
Comments:

Page Number : 1-A
Total Pages : 1
Certificate Date: 29-AUG-96
Invoice No. : I9628920
P.O. Number :
Account : MPO

CERTIFICATE OF ANALYSIS A9628920

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
BB08199	201	202	< 0.2	2.42	18	70	< 0.5	< 2	0.68	0.5	51	88	121	8.11	< 10	< 1	0.04	70	0.94	1500	3
BB08200	201	202	< 0.2	2.34	38	90	< 0.5	< 2	0.44	< 0.5	53	72	114	7.39	< 10	< 1	0.05	80	0.85	1430	2
BB08201	201	202	< 0.2	2.61	46	80	< 0.5	< 2	0.46	< 0.5	58	76	100	7.53	< 10	< 1	0.06	80	1.04	1520	1
BB08202	201	202	0.2	1.44	66	70	< 0.5	< 2	0.99	< 0.5	87	78	188	8.64	< 10	< 1	0.05	40	0.67	935	3
BB08203	201	202	< 0.2	2.37	30	100	0.5	< 2	0.28	< 0.5	40	28	61	5.31	< 10	< 1	0.09	90	0.97	1145	2
BB08204	201	202	< 0.2	2.23	18	120	< 0.5	< 2	0.34	< 0.5	18	32	38	3.96	< 10	< 1	0.06	80	1.20	570	1
BB08205	201	202	< 0.2	2.04	10	150	< 0.5	< 2	0.31	< 0.5	14	33	30	3.65	< 10	< 1	0.05	50	0.88	455	< 1
BB08206	201	202	< 0.2	1.97	16	110	< 0.5	< 2	0.15	< 0.5	13	33	20	3.79	< 10	< 1	0.06	30	0.75	605	1
BB08207	201	202	< 0.2	1.99	18	120	< 0.5	< 2	0.14	< 0.5	12	36	21	4.23	< 10	< 1	0.05	30	0.81	600	< 1
BB08208	201	202	< 0.2	2.21	10	160	< 0.5	< 2	0.22	< 0.5	15	36	22	3.98	< 10	< 1	0.06	40	0.90	665	1
BB08209	201	202	< 0.2	2.44	8	170	< 0.5	< 2	0.17	< 0.5	16	40	24	4.05	< 10	< 1	0.06	40	0.97	715	< 1
BB08210	201	202	< 0.2	1.98	14	130	< 0.5	< 2	0.22	< 0.5	14	37	21	3.84	< 10	< 1	0.08	30	0.79	755	1
BB08211	201	202	< 0.2	1.57	16	90	< 0.5	< 2	0.21	< 0.5	9	33	14	2.85	< 10	< 1	0.08	20	0.55	405	< 1
BB08212	201	202	< 0.2	1.59	14	100	< 0.5	< 2	0.19	< 0.5	7	33	10	2.51	< 10	< 1	0.08	20	0.60	240	< 1
BB08213	201	202	< 0.2	2.32	28	80	< 0.5	< 2	0.26	< 0.5	10	46	11	4.58	< 10	< 1	0.10	10	0.76	350	< 1
BB08214	201	202	< 0.2	2.05	72	190	0.5	< 2	0.99	3.0	12	42	20	3.28	< 10	< 1	0.14	30	0.82	390	2
BB08215	201	202	< 0.2	2.22	36	110	< 0.5	< 2	0.74	< 0.5	10	36	9	4.14	< 10	< 1	0.27	10	0.94	345	1
BB08216	201	202	< 0.2	1.06	22	150	< 0.5	< 2	0.28	0.5	5	26	7	2.34	< 10	< 1	0.08	10	0.40	355	1
BB08217	201	202	0.2	1.24	56	140	< 0.5	< 2	0.46	1.5	10	27	17	3.08	< 10	< 1	0.08	20	0.58	375	1
BB08218	201	202	0.8	1.60	52	210	0.5	< 2	0.44	2.0	14	35	29	3.99	< 10	< 1	0.09	30	0.66	660	3
BB08219	201	202	0.2	1.84	70	170	0.5	< 2	0.37	2.5	23	41	38	5.96	< 10	< 1	0.08	30	0.71	1105	4
BB08220	201	202	0.2	1.48	42	180	0.5	< 2	0.38	1.0	15	32	28	4.11	< 10	< 1	0.08	30	0.58	555	3
BB08221	201	202	0.2	1.73	36	170	0.5	< 2	0.19	0.5	11	32	37	4.40	< 10	< 1	0.07	40	0.59	420	2
BB08222	201	202	< 0.2	2.25	14	130	< 0.5	< 2	0.29	< 0.5	15	39	32	3.95	< 10	< 1	0.05	50	1.00	405	< 1
BB08223	201	202	< 0.2	2.43	8	130	< 0.5	< 2	0.16	< 0.5	19	48	41	4.31	< 10	< 1	0.05	60	0.99	495	< 1
BB08224	201	202	< 0.2	2.63	60	150	< 0.5	< 2	0.49	< 0.5	41	92	66	7.43	< 10	< 1	0.03	40	0.89	2260	1
BB08225	201	202	< 0.2	2.17	14	170	< 0.5	< 2	0.60	< 0.5	30	106	50	6.50	< 10	< 1	0.05	40	0.77	860	1
BB08226	201	202	< 0.2	1.96	40	110	< 0.5	< 2	1.86	< 0.5	37	56	61	9.44	< 10	< 1	0.04	40	0.88	1970	4

CERTIFICATION: Hart Bichler

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Page [redacted]er : 1-B
Total [redacted] : 1
Certificate Date: 29-AUG-96
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CERTIFICATE OF ANALYSIS A9628920

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
BB08199	201	202	0.01	114	1730	24	< 2	7	36	0.01	< 10	< 10	54	< 10	144
BB08200	201	202	< 0.01	124	1070	26	< 2	6	28	< 0.01	< 10	< 10	43	< 10	128
BB08201	201	202	< 0.01	131	1550	22	< 2	6	26	< 0.01	< 10	< 10	43	< 10	126
BB08202	201	202	< 0.01	404	1520	26	< 2	6	55	< 0.01	< 10	< 10	27	< 10	130
BB08203	201	202	< 0.01	58	620	26	< 2	4	21	< 0.01	< 10	< 10	23	< 10	128
BB08204	201	202	< 0.01	42	760	20	< 2	5	19	0.04	< 10	< 10	38	< 10	106
BB08205	201	202	< 0.01	30	680	22	< 2	5	17	0.04	< 10	< 10	46	< 10	102
BB08206	201	202	< 0.01	26	660	20	< 2	3	10	0.04	< 10	< 10	50	< 10	98
BB08207	201	202	< 0.01	24	760	16	< 2	3	9	0.03	< 10	< 10	66	< 10	94
BB08208	201	202	< 0.01	26	700	14	< 2	4	14	0.05	< 10	< 10	56	< 10	94
BB08209	201	202	< 0.01	27	780	18	< 2	5	12	0.04	< 10	< 10	60	< 10	98
BB08210	201	202	< 0.01	28	630	18	< 2	4	15	0.05	< 10	< 10	52	< 10	92
BB08211	201	202	< 0.01	20	920	20	< 2	2	14	0.05	< 10	< 10	46	< 10	74
BB08212	201	202	< 0.01	17	480	8	< 2	3	13	0.07	< 10	< 10	40	< 10	66
BB08213	201	202	< 0.01	24	670	26	< 2	3	35	0.08	< 10	< 10	58	< 10	86
BB08214	201	202	< 0.01	29	1260	22	< 2	5	44	0.04	< 10	< 10	44	< 10	532
BB08215	201	202	< 0.01	17	420	18	< 2	3	34	0.29	< 10	< 10	70	< 10	92
BB08216	201	202	< 0.01	13	310	16	< 2	1	17	0.05	< 10	< 10	50	< 10	68
BB08217	201	202	< 0.01	25	1090	172	2	4	21	0.03	< 10	< 10	48	< 10	420
BB08218	201	202	< 0.01	34	900	184	< 2	6	22	0.02	< 10	< 10	63	< 10	528
BB08219	201	202	< 0.01	57	1210	122	2	7	19	0.01	< 10	< 10	84	< 10	716
BB08220	201	202	< 0.01	38	740	88	< 2	5	20	0.05	< 10	< 10	63	< 10	318
BB08221	201	202	< 0.01	49	1100	88	< 2	4	12	0.01	< 10	< 10	55	< 10	304
BB08222	201	202	< 0.01	37	740	16	< 2	4	16	0.03	< 10	< 10	40	< 10	104
BB08223	201	202	< 0.01	40	730	14	< 2	5	11	0.02	< 10	< 10	48	< 10	96
BB08224	201	202	< 0.01	131	1350	10	2	9	19	0.01	< 10	< 10	76	< 10	80
BB08225	201	202	< 0.01	115	1060	6	< 2	8	22	0.03	< 10	< 10	72	< 10	74
BB08226	201	202	< 0.01	60	1800	6	< 2	8	48	0.01	< 10	< 10	66	< 10	88

CERTIFICATION: Hart Buchler