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

1016 - 510 West Hastings Street, Vancouver, B.C. V6B 1L8 Tel (604) 688 - 2568 • Fax (604) 688 - 2578

ASSESSMENT REPORT

describing

SOIL GEOCHEMISTRY AND PROSPECTING

on the

REPLAY PROPERTY

Replay 1-20 Claims YB77111-YB77130

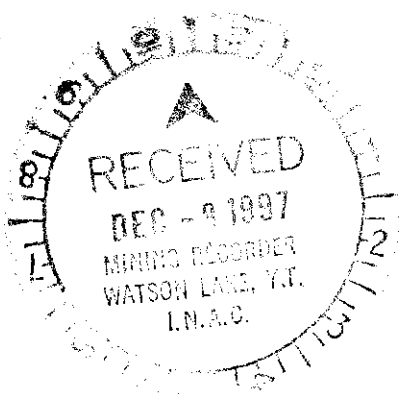
Latitude 61°50' N; Longitude 131°37' W

NTS 105G/13

in the

WATSON LAKE MINING DISTRICT

YUKON TERRITORY



Prepared by

Archer, Cathro & Associates (1981) Limited

for

EXPATRIATE RESOURCES LTD.

093804

T. C. Becker, B.Sc. P. Geo.
November, 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 $ 8000.00 .

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 Replay property which protects a volcanogenic massive sulphide (VMS) target identified on the basis of a regional geochemical data base documenting results of a 1973 joint venture managed by Archer, Cathro & Associates Limited. Twenty claims were staked in early 1996 to cover the area which returned anomalous copper, lead, molybdenum and zinc values. Geological mapping, prospecting, soil geochemistry and claim surveys were done in 1996 by Expatriate.

During summer 1997 field exploration was conducted by crews working from a base camp on the nearby Ice property. The program consisted of grid soil geochemistry and minor prospecting. 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°50' N and longitude 131°37' W on NTS map sheet 105G/13 (Figure 1). It is comprised of twenty 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 are listed below.

Claim Name	Grant Number	Expiry Date*
Replay 1-20	YB77111-YB77130	February 20, 2006

*Expiry date includes 1997 work filed for assessment credit but not yet accepted.

The property was accessed by helicopter from Expatriate's base camp on the Ice property (latitude 61°52' N and longitude 131°21' W). The property lies 16 km west-southwest of the base camp and 220 km northeast of Whitehorse. Helicopter support was provided by a Bell 206B Jet Ranger contracted from Trans North Helicopters of Whitehorse. The helicopter was stationed at Expatriate's base camp.

During the exploration program selected grid locations and claim posts from adjoining properties were surveyed using Trimble Geoexplorer GPS units. Field readings were corrected using base station data obtained from Department of Renewable Resources (Forestry) at Whitehorse. GPS survey data appears in Appendix II.

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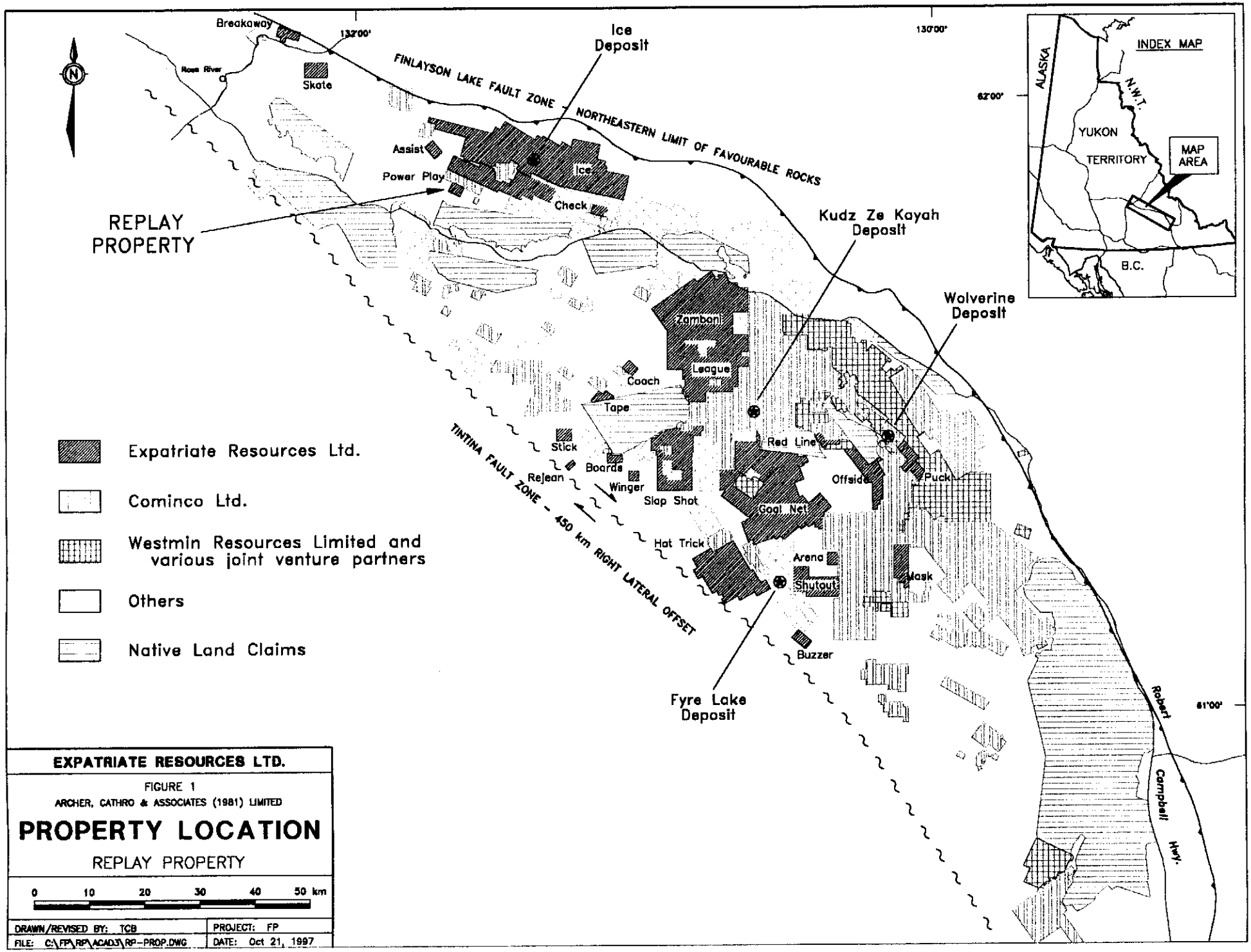

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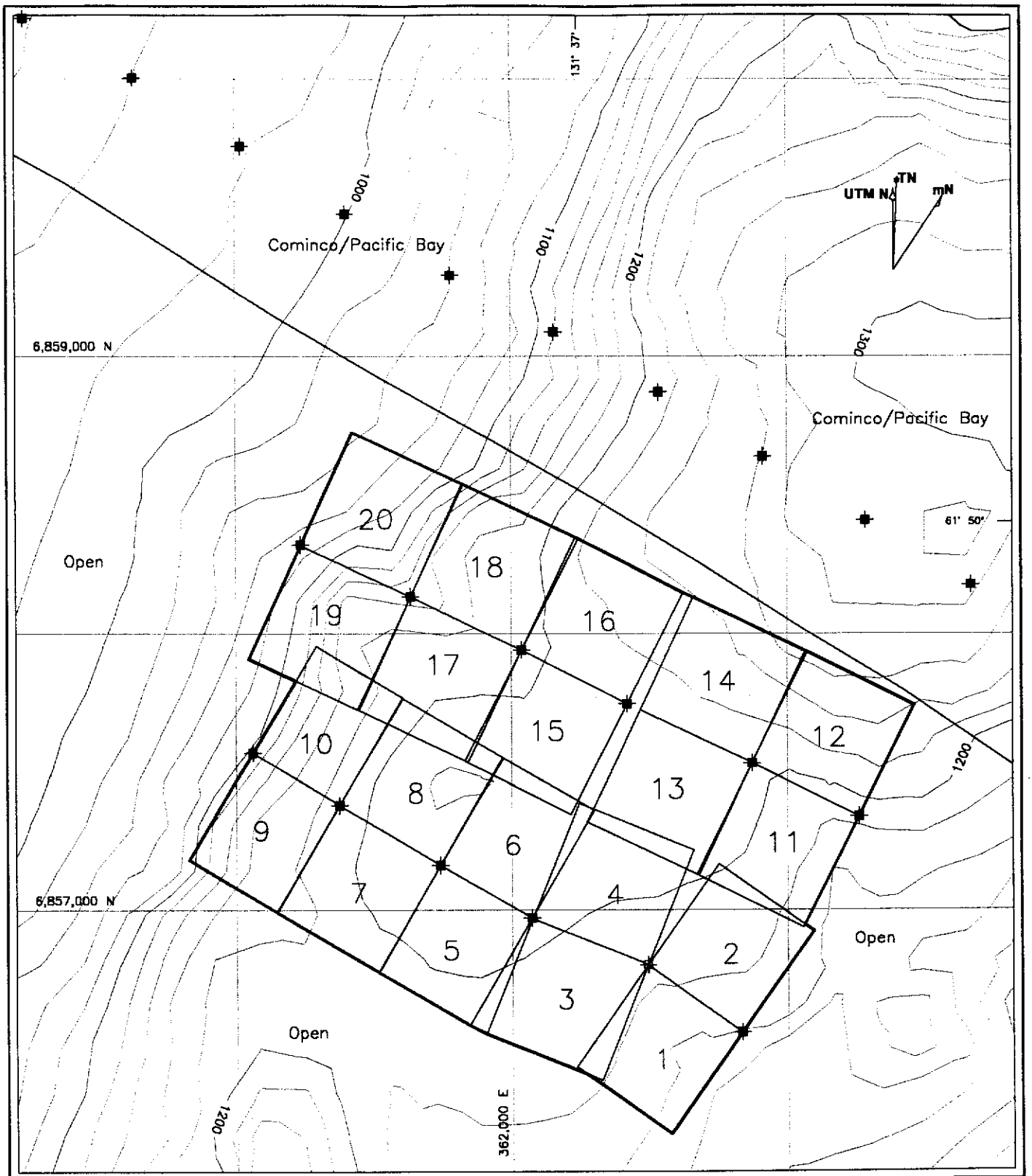
FIGURE 1

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

PROPERTY LOCATION

REPLAY PROPERTY

DRAWN/REVISED BY: TCB	PROJECT: FP
FILE: C:\FP\RP\ACAD3\RP-PROP.DWG	DATE: Oct 21, 1997



- Claim posts with corrected GPS location
- Claim posts with poor GPS data
- Claim boundary

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FIGURE 2

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

CLAIM LOCATION

REPLAY PROPERTY

0 200 400 600 800 1000m

DRAWN/REVISED BY: TCB	PROJECT: FP
FILE: C:\FP\ASSIST\ACAD3\RP-SNO.DWG	DATE: Oct 21, 1997

GEOMORPHOLOGY

The Replay property is situated on a low southwesterly-trending ridge 8 km north of the Pelly River. Creeks draining the property are tributaries of the Pelly River.

Elevations range from 1040 m on the southeastern and northwestern flanks of the ridge to 1220 m at its highest point near the centre of the claim block. Topographic relief is gentle to moderate, typically 5 to 20°. Much of the property is blanketed with Pleistocene glacial till deposits.

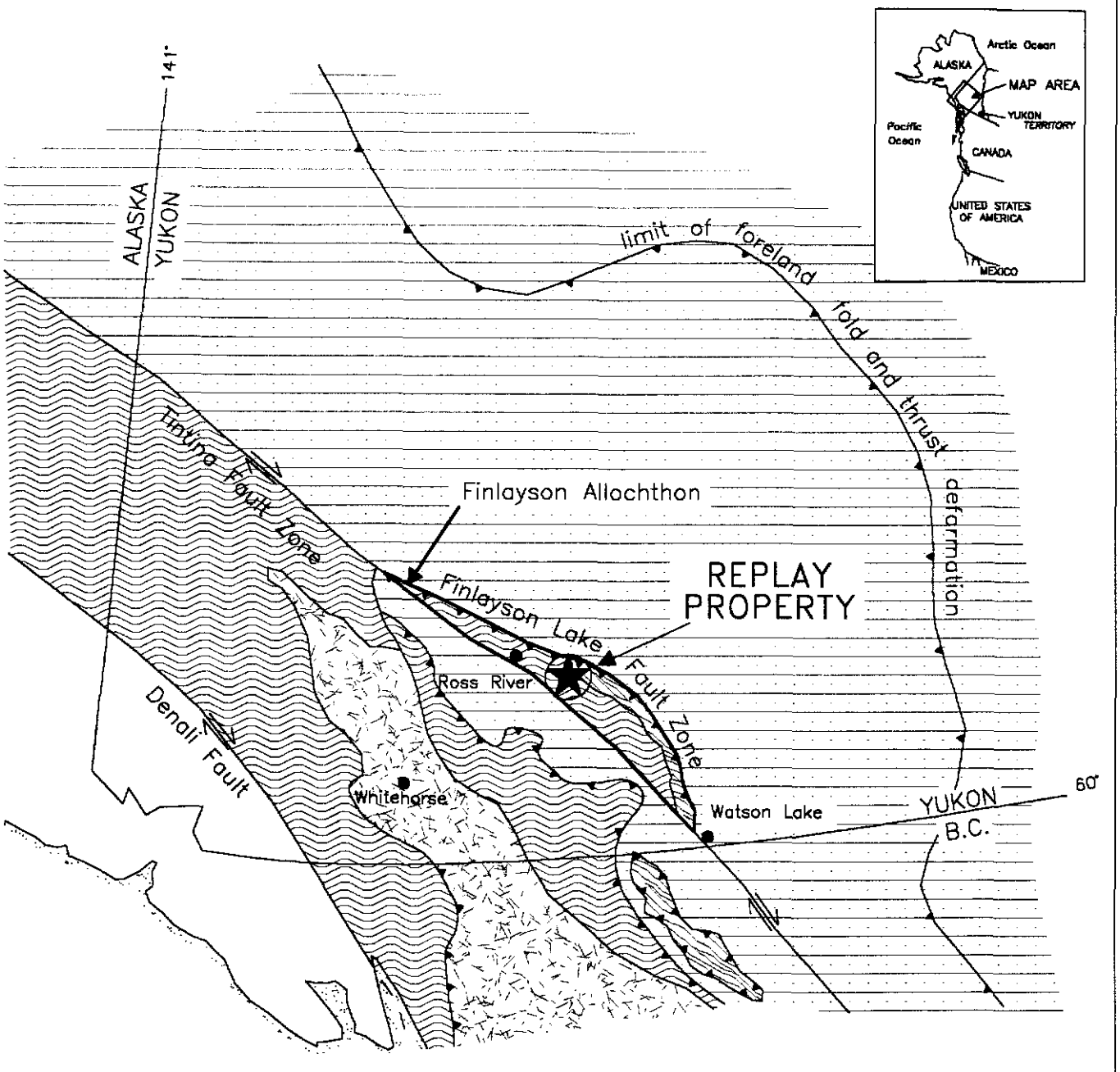
Vegetation consists of moderately dense stands of mature black spruce with occasional tracts of aspen and willow. Patches of thick buckbrush are also common.

REGIONAL GEOLOGY

The Replay 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).

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FIGURE 3

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

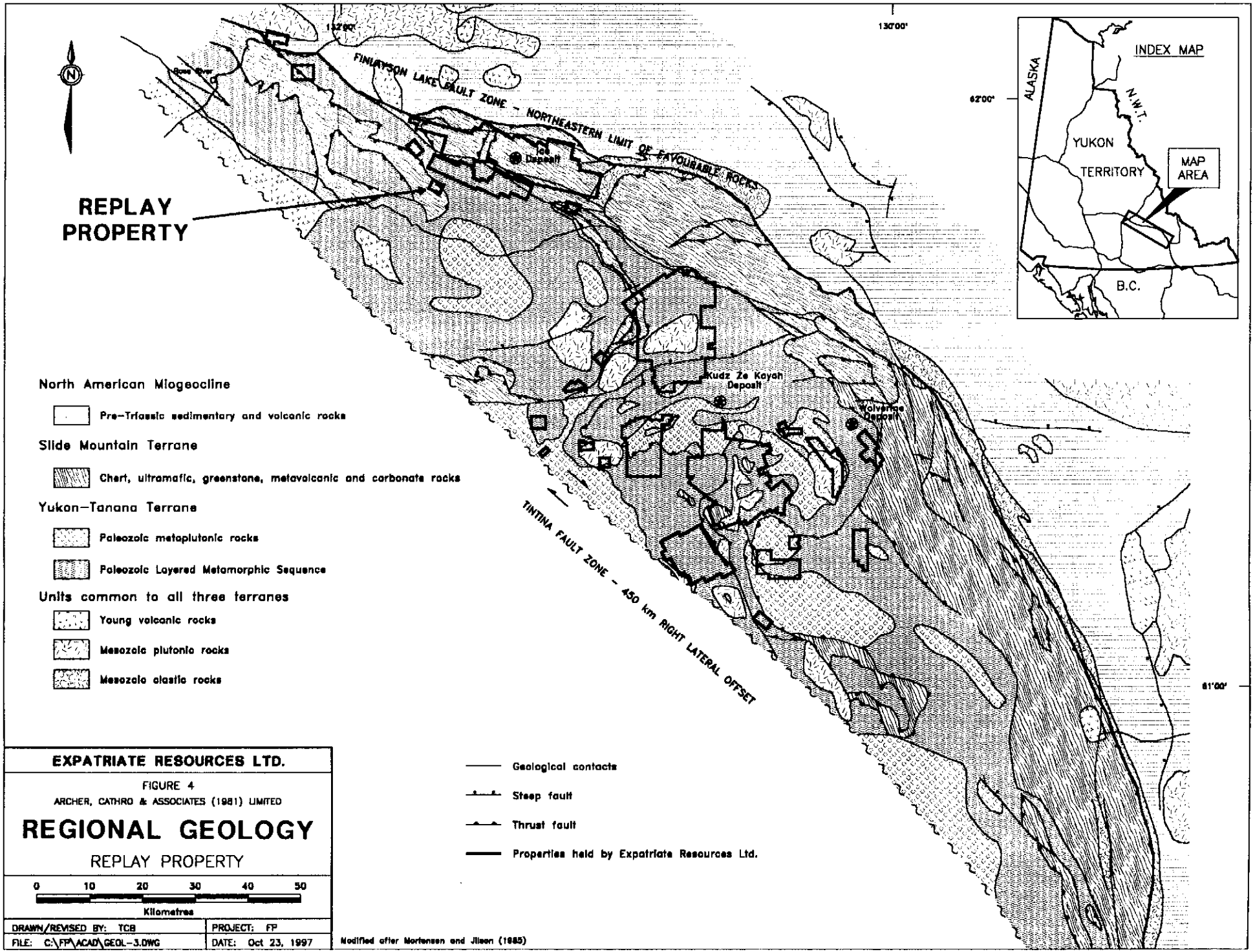
TECTONIC SETTING

REPLAY PROPERTY

0 100 200 300 400

KILOMETRES

DRAWN/REVISED BY: TCB	PROJECT: FP
FILE: C:\FP\ASSIST\ACAD3\RP-TANA.DWG	DATE: Oct 21, 1997



EXPATRIATE RESOURCES LTD.

FIGURE 4

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

REGIONAL GEOLOGY

REPLAY PROPERTY

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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-northeasterly 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 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 is Cyprus-type. Two occurrences have definite economic potential, the Kudz Ze Kayah and Wolverine Deposits (Figure 4). These Kuroko-type occurrences are the "type-deposits" for Expatriate's exploration at the Replay property 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 50 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 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 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

Soil samples collected in 1973 from the Replay property returned peak values of 114 ppm copper, 5 ppm molybdenum, 127 ppm lead and 480 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 50 m up-section from the massive sulphide mineralization. Magnetite is also a significant constituent of the mineralization at Kudz Ze Kayah.

Magnetic response is flat over the Replay property.

PROPERTY GEOLOGY

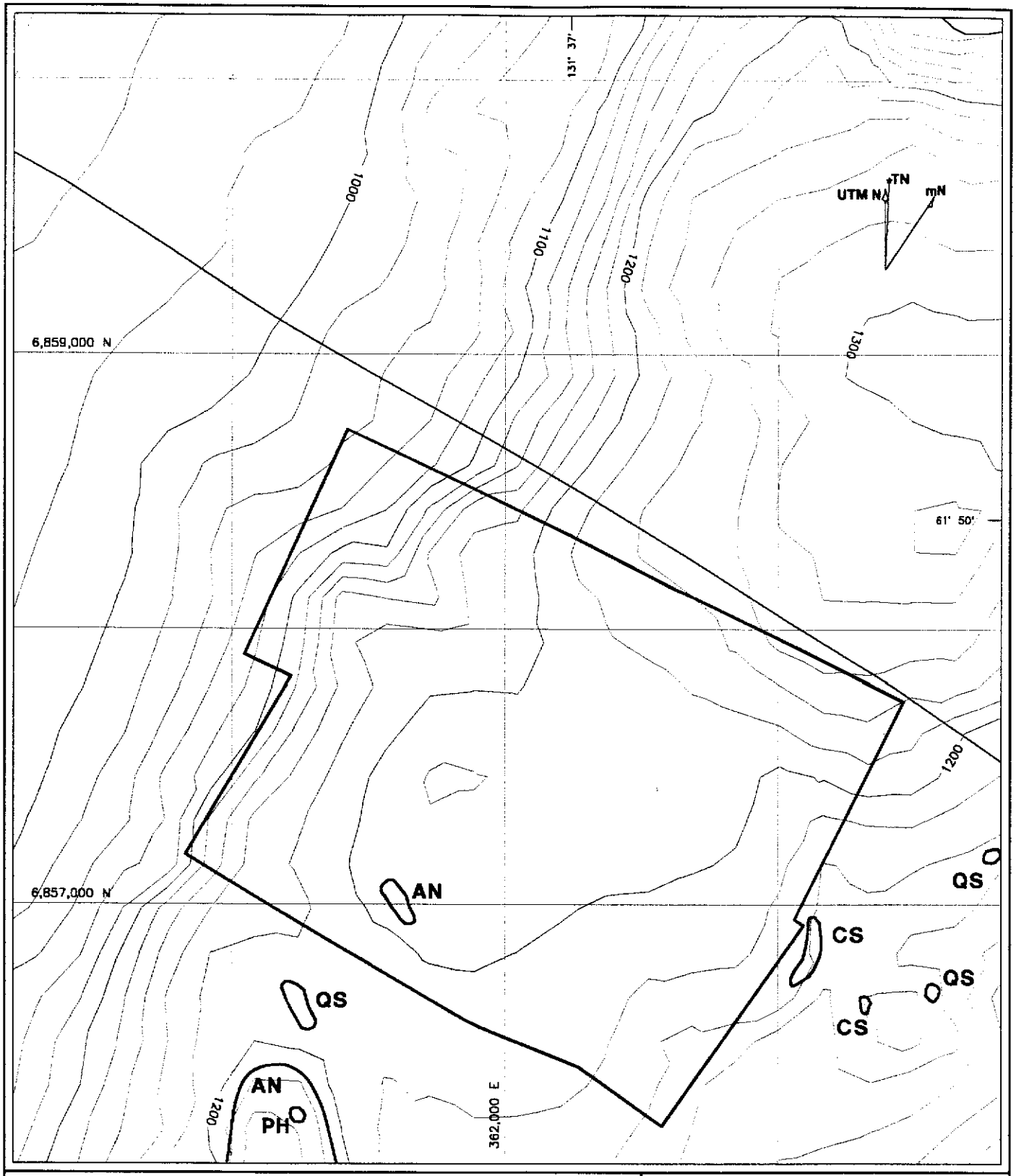
The 1997 exploration program on the Replay property did not include any geological mapping and the following description is based on mapping done in 1996 (Burgert, 1997). Bedrock exposure is sparse with the majority of outcrops occurring along the ridge crest and in creek cuts as shown on Figure 5. Four rock types recognized on or near the property are described below. All units are part of the Layered Metamorphic Sequence.

Shaly phyllite was observed in only one small outcrop about 600 m south of the property. It is dark grey and fine grained.

Andesite is light to medium green, moderately hard and varies from massive to weakly foliated. Grain size is also variable, ranging from aphanitic to medium grained with some relic feldspar crystals. Relative to surrounding rocks, the andesite weathers resistantly and forms several prominent outcrops along the ridge crest.

Quartz-sericite schist is a dark grey, thinly foliated rock containing occasional patches of mariposite on foliation surfaces.

Chlorite schist is green to grey-green, well foliated and variably fissile. Mineralogy consists primarily of chlorite with lesser biotite. The schist is fine to medium grained with occasional larger biotite flakes.



PH Shaly phyllite

AN Andesite

QS Quartz–sericite schist

CS Chlorite schist

Outcrop boundary

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FIGURE 5

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

PROPERTY GEOLOGY

REPLAY PROPERTY

0 200 400 600 800 1000m

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FILE: C:\FP\ASSIST\ACAD3\RP-SNO.DWG	DATE: Oct 21, 1997

PROPERTY GEOCHEMISTRY

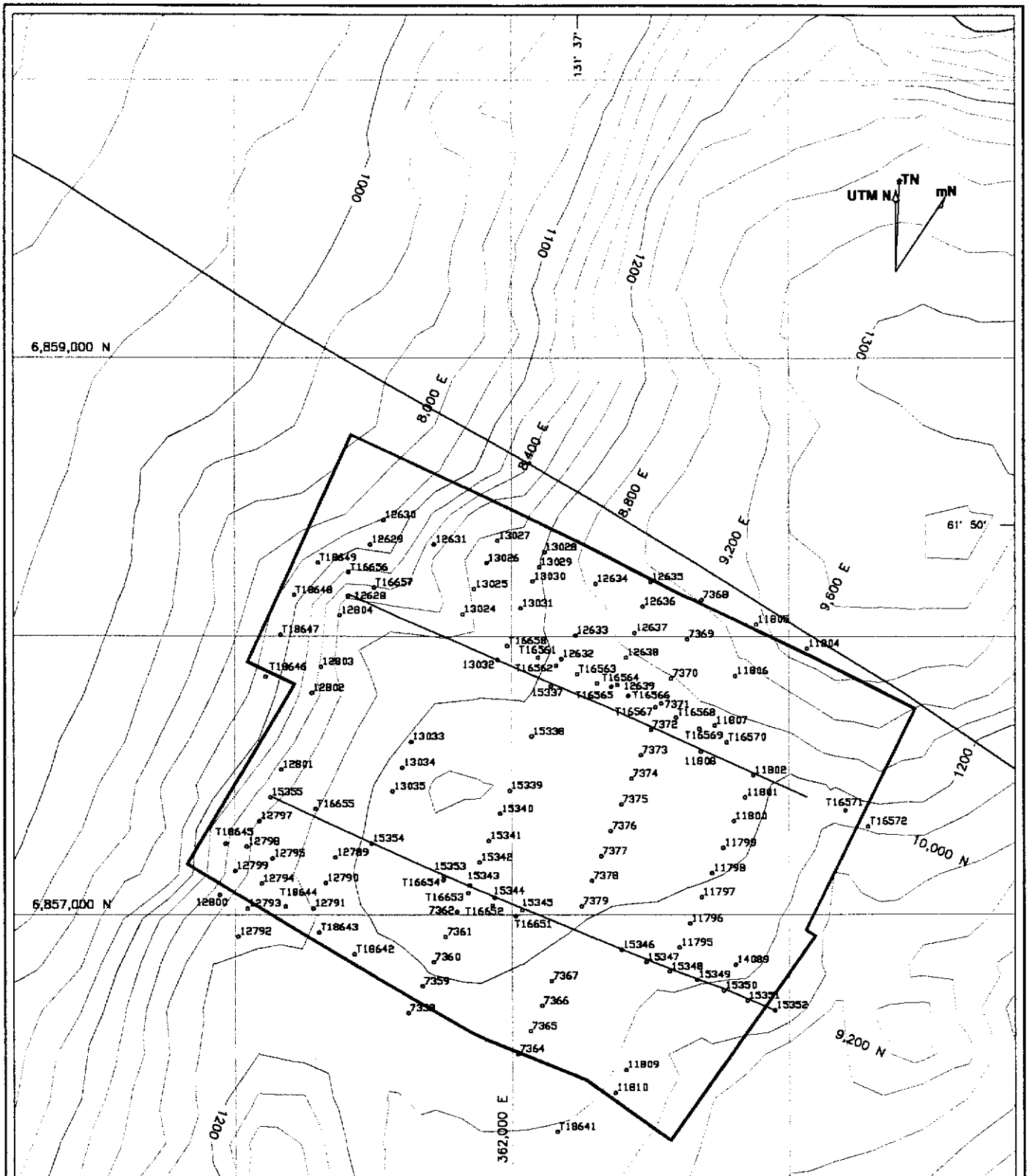
Grid soil sampling was carried out at 100 m intervals along lines spaced 200 or 400 m apart using GPS surveyed baselines as control. Figure 6 illustrates sample locations for both the 1996 and 1997 programs. All sample sites are marked with 50 cm wooden lath bearing aluminum tags inscribed with sample 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 shown in Appendix III. Results for four indicator elements (copper, lead, zinc and molybdenum) from both the 1996 and 1997 programs are plotted on Figures 7 to 10 while anomalous thresholds and peak values for seven VMS pathfinder metals are as follows.

	Threshold Values (ppm)			
Element	Weak	Moderate	Strong	Peak Value
Copper	50	100	NA*	138
Lead	50	100	NA*	120
Zinc	200	500	NA*	910
Silver	1	5	NA*	7.4
Molybdenum	2	5	10	21
Arsenic	20	50	100	168
Cobalt	30	NA*	NA*	23

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

Soil geochemical surveys on the Replay property outlined three targets containing moderately anomalous copper, zinc and molybdenum values. No outcrops were located in these areas.



5129 • Sample location with number
Most samples prefixed by BB

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FIGURE 6

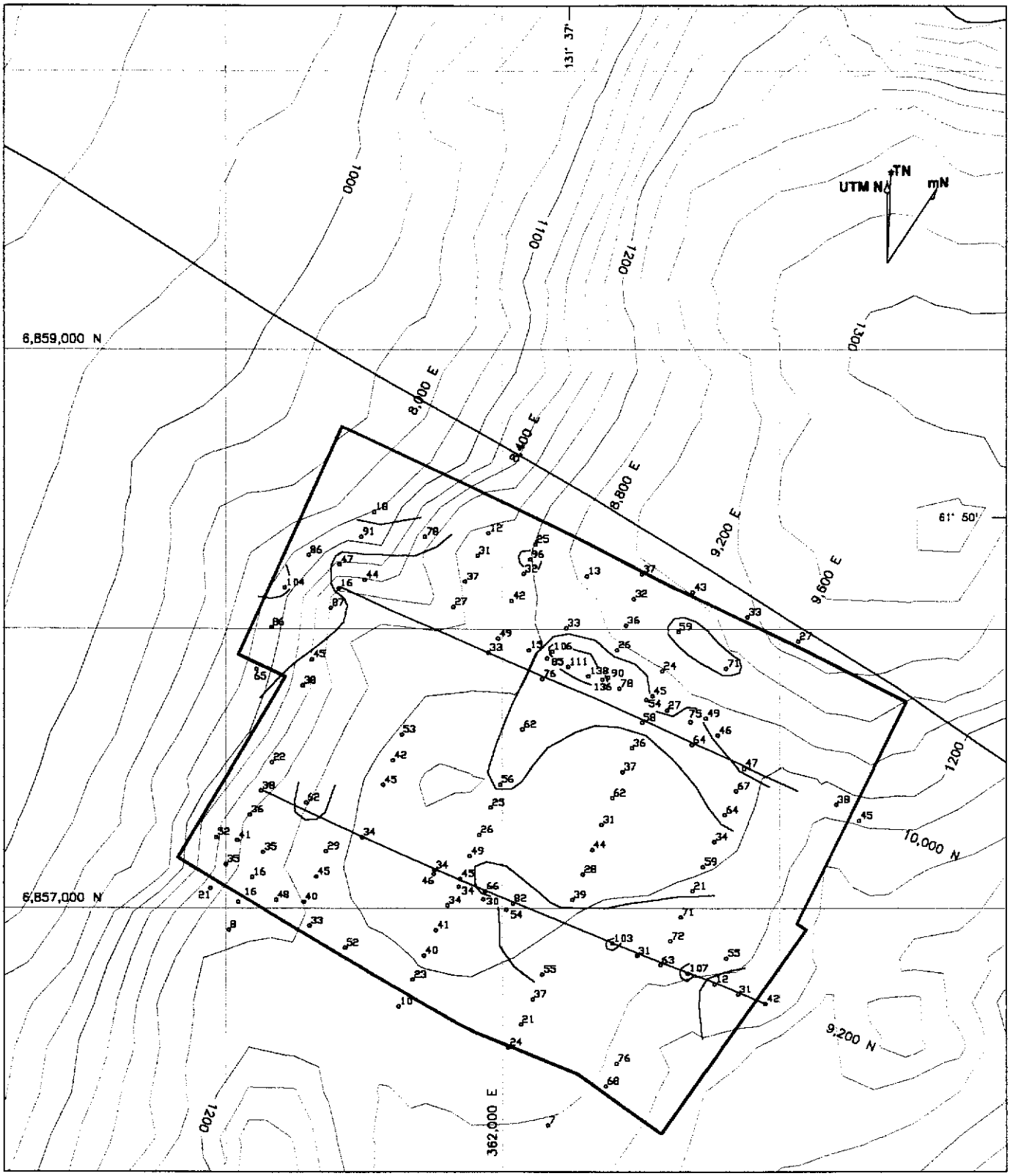
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

SAMPLE LOCATION

REPLAY PROPERTY

0 200 400 600 800 1000m

DRAWN/REVISED BY: TCB	PROJECT: FP
FILE: C:\FP\ASSIST\ACADJ\RP-SNO.DWG	DATE: Oct 21, 1997



$_{\circ}^{51}$ Sample location with Cu value in ppm

≥ 100 < 200 ppm Cu

≥ 50 < 100 ppm Cu

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FIGURE 7

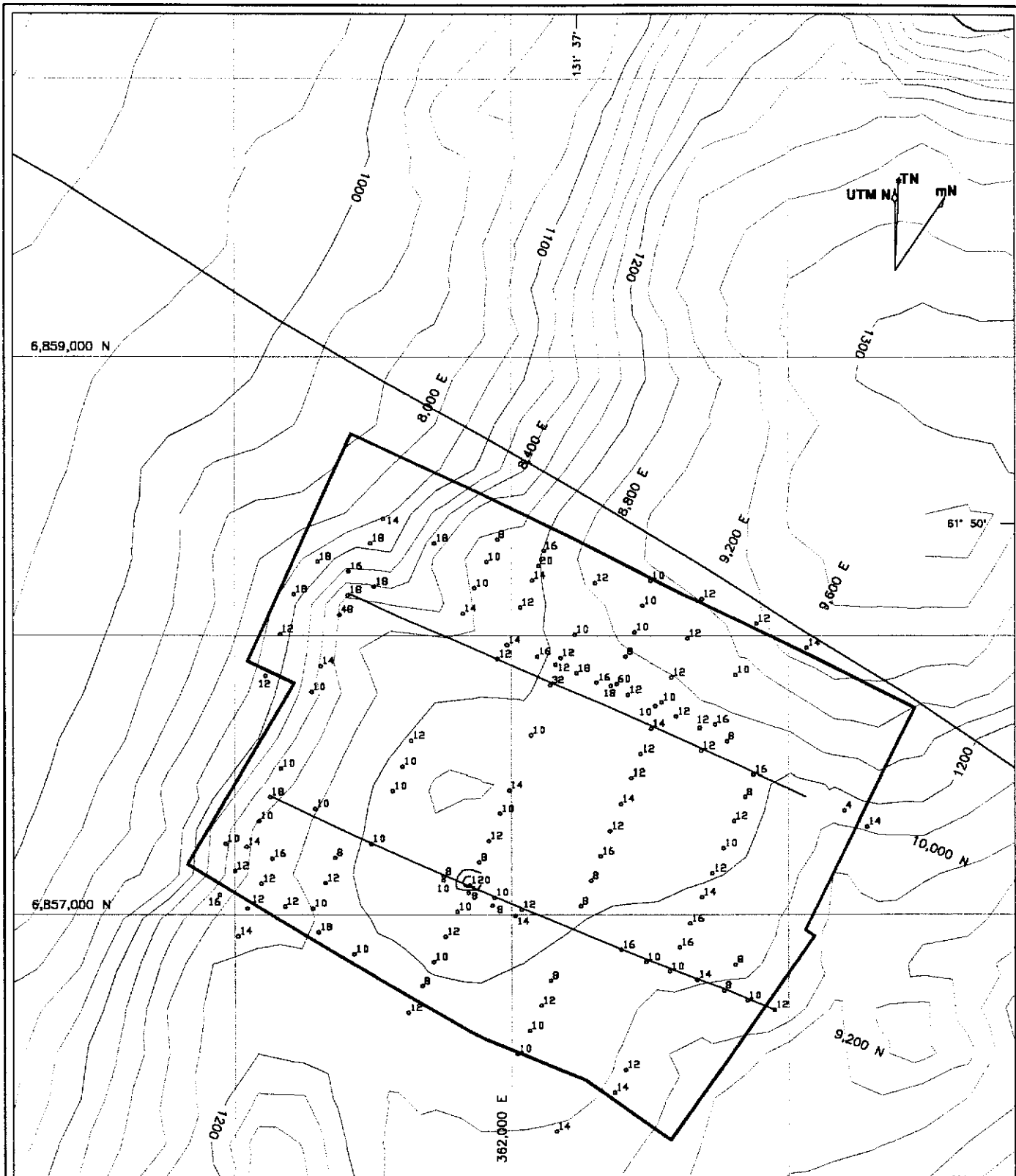
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

COPPER GEOCHEMISTRY

REPLAY PROPERTY

0 200 400 600 800 1000m

DRAWN/REVISED BY: TCB	PROJECT: FP
FILE: C:\FP\ASSIST\ACAD3\RP-SNO.DWG	DATE: Oct 21, 1997



•51 Sample location with Pb value in ppm

≥ 100 < 200 ppm Pb

≥ 50 < 100 ppm Pb

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FIGURE B

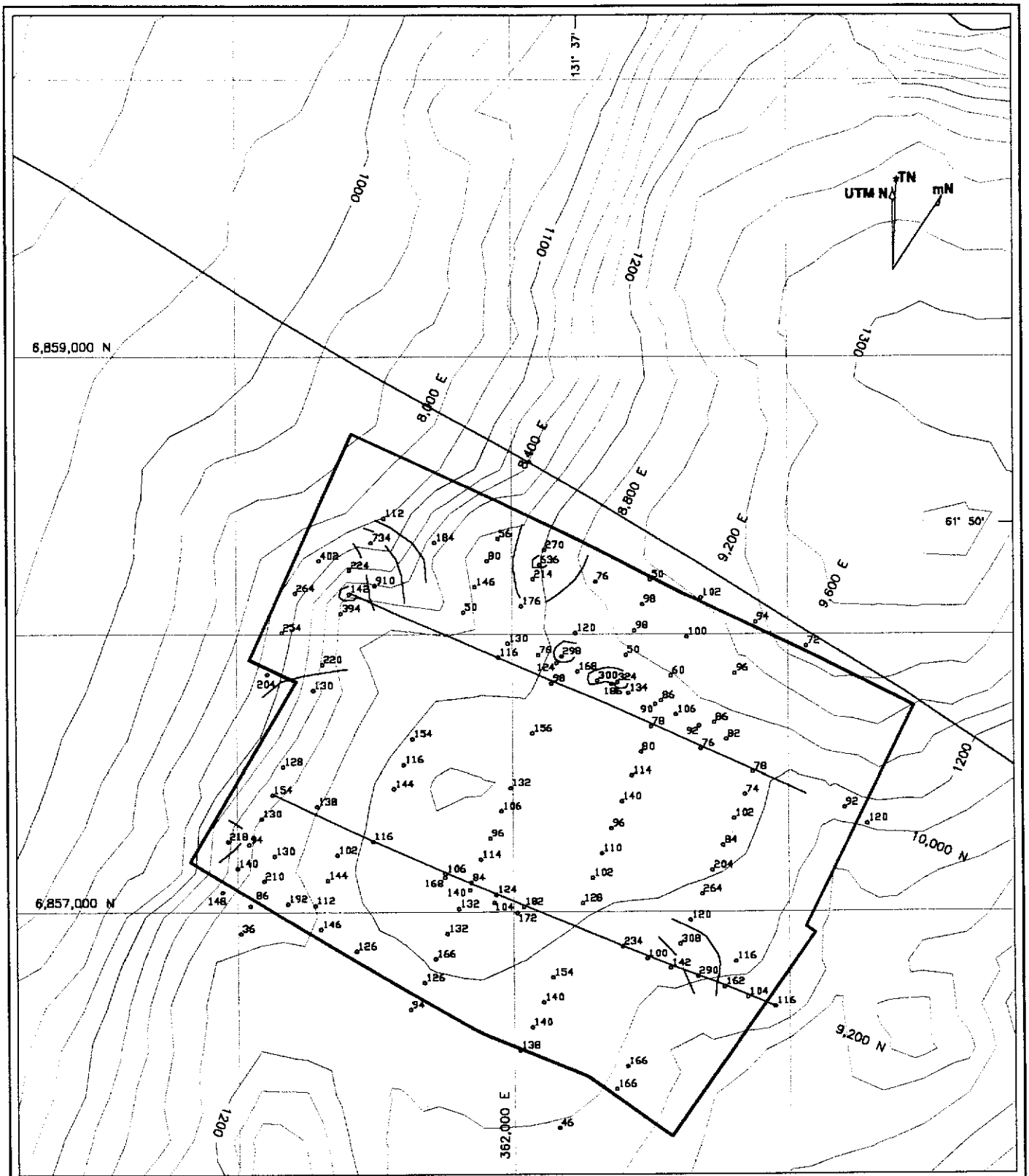
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

LEAD GEOCHEMISTRY

REPLAY PROPERTY

0 200 400 600 800 1000m

DRAWN/REVISED BY: TCB	PROJECT: FP
FILE: C:\FP\ASSIST\ACADJ\RP-SNO.DWG	DATE: Oct 21, 1997



51 Sample location with Zn value in ppm

≥ 500 < 1000 ppm Zn

≥ 200 < 500 ppm Zn

EXPATRIATE RESOURCES LTD.

FIGURE 9

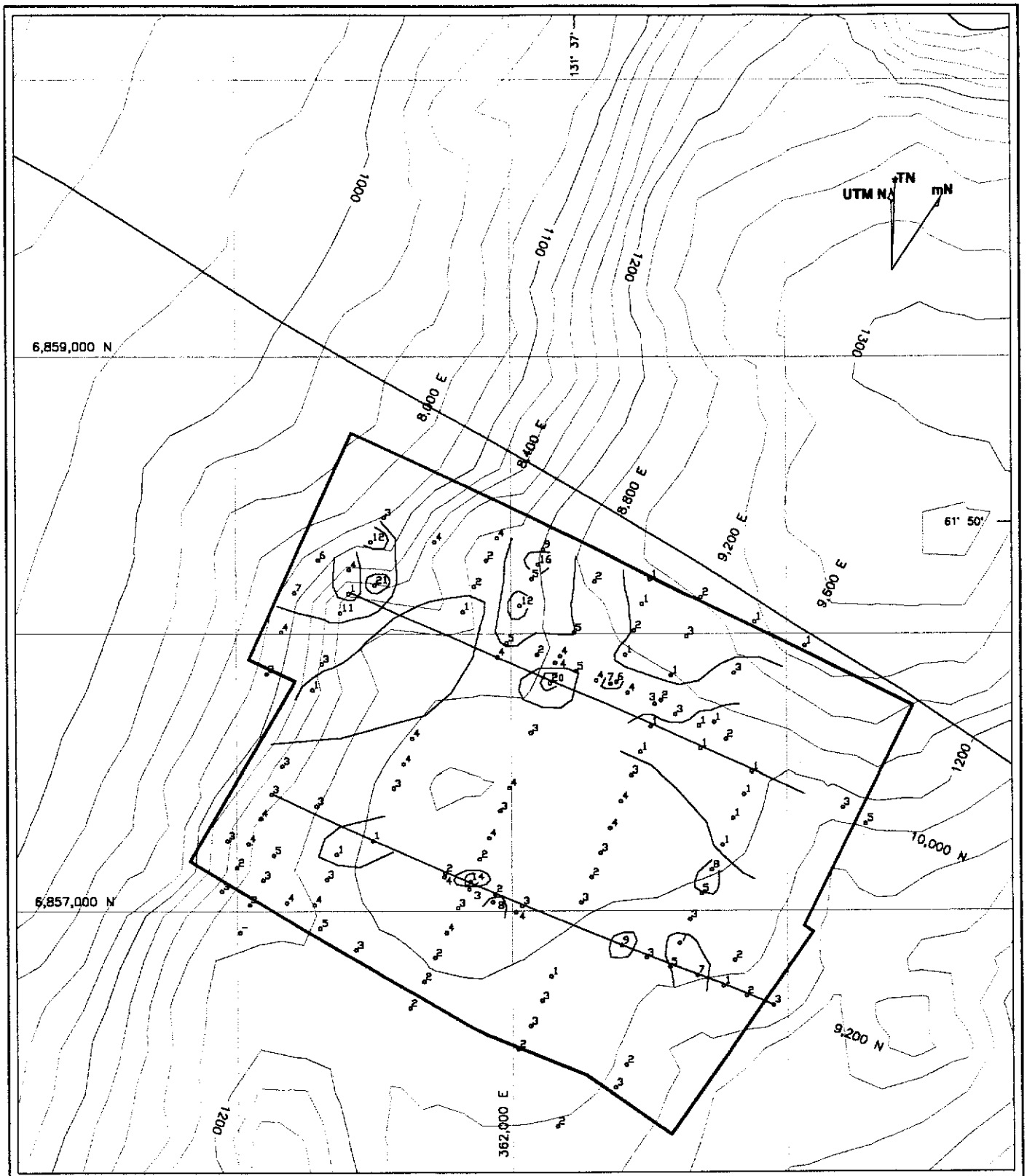
ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

ZINC GEOCHEMISTRY

REPLAY PROPERTY

0 200 400 600 800 1000m

DRAWN/REVISED BY: TCB	PROJECT: FP
FILE: C:\FP\ASSIST\ACAD3\RP-SNO.DWG	DATE: Oct 21, 1997



$_{\circ}^{51}$ Sample location with Mo value in ppm

≥ 10 ppm Mo

≥ 5 < 10 ppm Mo

≥ 2 < 5 ppm Mo

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FIGURE 10

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

MOLYBDENUM GEOCHEMISTY

REPLAY PROPERTY

0 200 400 600 800 1000m

DRAWN/REVISED BY: TCB	PROJECT: FP
FILE: C:\FP\ASSIST\ACA03\RP-SNO.DWG	DATE: Oct 21, 1997

The first target lies in the north-central portion of the property and consists of an 800 m long, west-northwesterly trending zone of weakly to moderately anomalous copper values with spotty zinc, molybdenum and arsenic support.

The second target is in the northwestern corner of the property where samples collected over a 600 by 400 m area returned moderately to strongly anomalous zinc and molybdenum values with weak copper and arsenic support.

The third target is an 800 by 300 m area situated on a gentle slope in the southeastern part of the property. It consists of erratic, weakly anomalous lead, zinc and arsenic values within a broader halo of weak to moderate copper response.

CONCLUSIONS AND RECOMMENDATIONS

Although the Replay property is underlain by rocks of the Layered Metamorphic Sequence and exhibits three weak to moderate multi-element soil geochemical anomalies, it has not produced significant lead values and lacks magnetic response found in the vicinity of Kuroko-type VMS deposits found elsewhere in the district.

Future work should consist of infill grid sampling and hand pits in areas of anomalous values on a low priority basis.

Respectfully submitted,

ARCHER, CATHRO & ASSOCIATES (1981) LIMITED

T.C. Becker, B.Sc., P.Geo.

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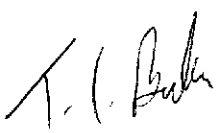
APPENDIX I

AUTHOR'S STATEMENT OF QUALIFICATIONS

STATEMENT OF QUALIFICATIONS

I, Tom Becker, geologist, with business addresses in Whitehorse, Yukon Territory and in Vancouver, British Columbia and residential address in Port Moody, British Columbia, do hereby certify that:

1. I graduated from the University of Alberta in 1989 with a B.Sc. in geology.
2. From 1984 to present, I have been actively engaged in mineral exploration in the Yukon Territory and British Columbia and am presently employed with Archer, Cathro & Associates (1981) Limited.
3. I am a Professional Geoscientist (#20021) registered with the Association of Professional Engineers and Geoscientists of the Province of British Columbia (APEGBC).
4. I have personally participated in field work in the Finlayson Lake region in 1997 and have compiled the information reported herein.



T. C. Becker, B.Sc., P.Geo.

APPENDIX II

GPS DATA

Replay 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
Replay	1, 2	-	6856556	362834	Standard	W	26-Jun-96
	3, 4	1, 2	6856799	362491	Poor	W	26-Jun-96
	5, 6	3, 4	6856971	362072	Standard	W	26-Jun-96
	7, 8	5, 6	6857163	361741	Standard	W	26-Jun-96
	9, 10	7, 8	6857379	361376	Standard	W	26-Jun-96
	-	9, 10	6857568	361062	Standard	W	26-Jun-96
Replay	11, 12	-	6857339	363257	Standard	W	26-Jun-96
	13, 14	11, 12	6857530	362873	Standard	W	26-Jun-96
	15, 16	13, 14	6857745	362418	Standard	W	26-Jun-96
	17, 18	15, 16	6857941	362037	Standard	W	26-Jun-96
	19, 20	17, 18	6858132	361636	Standard	W	26-Jun-96
	-	19, 20	6858319	361236	Standard	W	26-Jun-96

B. Grid Coordinates

Baseline	Tie Line	UTM Coordinates Northing	Easting	Data Quality	Base Station	Date
10+000N	9+800E	6857423	363064	Standard	RR	24-May-97
10+000N	9+600E	6857506	362881	Standard	RR	24-May-97
10+000N	9+400E	6857589	362699	Standard	RR	24-May-97
10+000N	9+200E	6857672	362517	Standard	RR	24-May-97
10+000N	9+000E	6857753	362335	Standard	RR	24-May-97
10+000N	8+800E	6857829	362150	Standard	RR	24-May-97
10+000N	8+600E	6857909	361965	Standard	RR	24-May-97
10+000N	8+400E	6857989	361781	Standard	RR	24-May-97
10+000N	8+200E	6858068	361596	Standard	RR	24-May-97
10+000N	8+000E	6858150	361415	Standard	RR	24-May-97
9+200N	8+000E	6857422	361134	Standard	RR	30-June-97
9+200N	8+200E	6857338	361318	Standard	RR	30-June-97
9+200N	8+400E	6857255	361500	Standard	RR	30-June-97
9+200N	8+600E	6857177	361676	Standard	RR	30-June-97
9+200N	8+800E	6857099	361856	Standard	RR	30-June-97
9+200N	9+000E	6857022	362041	Standard	RR	30-June-97
9+200N	9+200E	6856947	362224	Standard	RR	30-June-97

Baseline	Tie Line	UTM Coordinates Northing	Easting	Data Quality	Base Station	Date
9+200N	9+400E	6856872	362403	Standard	RR	30-June-97
9+200N	9+600E	6856800	362587	Standard	RR	30-June-97
9+200N	9+800E	6856730	362771	Standard	RR	30-June-97
9+200N	10+000E	6856655	362950	Standard	RR	30-June-97

C. Claim Posts From Adjoining Claim Blocks

Claim	Posts 1	Posts 2	UTM Coordinates Northing	Easting	Data Quality	Base Station	Date
Dot	57,58	55,56	6858174	363666	Standard	RR	24-May-97
	55,56	53,54	6858406	363282	Standard	RR	24-May-97
	53,54	51,52	6858637	362914	Standard	RR	24-May-97
	51,52	49,50	6858870	362534	Standard	RR	24-May-97
	49,50	47,48	6859085	362155	Standard	RR	24-May-97
	47,48	45,46	6859291	361783	Standard	RR	24-May-97
	45,46	43,44	6859514	361401	Standard	RR	24-May-97
	43,44	41,42	6859757	361022	Standard	RR	24-May-97
	41,42	39,40	6860003	360630	Standard	RR	24-May-97
	39,40	37,38	6860221	360233	Standard	RR	24-May-97

APPENDIX III

CERTIFICATES OF ANALYSIS

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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Project : REPLAY & PLAY
Comments:

Page Number :1-A
Total Pages :3
Certificate Date: 06-AUG-97
Invoice No. : I9734545
P.O. Number :
Account :MPO

CERTIFICATE OF ANALYSIS A9734545

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BB07359	201	202	0.2	1.28	14	410	< 0.5	< 2	0.30	0.5	10	27	23	2.55	< 10	< 1	0.07	10	0.45	480	2
BB07360	201	202	< 0.2	1.64	16	480	< 0.5	< 2	0.22	0.5	11	35	40	3.32	< 10	< 1	0.08	10	0.60	500	2
BB07361	201	202	< 0.2	2.00	18	590	0.5	< 2	0.24	< 0.5	12	38	41	3.64	< 10	< 1	0.10	10	0.59	460	4
BB07362	201	202	< 0.2	1.89	16	460	0.5	< 2	0.14	< 0.5	12	38	34	3.37	< 10	< 1	0.09	10	0.61	315	3
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BB07364	201	202	< 0.2	1.60	12	400	< 0.5	< 2	0.21	0.5	11	35	24	3.01	< 10	< 1	0.07	10	0.54	460	2
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BB07367	201	202	< 0.2	1.52	20	580	0.5	< 2	0.24	< 0.5	13	34	55	3.24	< 10	1	0.06	< 10	0.58	285	1
BB07368	201	202	< 0.2	1.57	28	350	< 0.5	< 2	0.55	< 0.5	17	44	43	4.02	< 10	< 1	0.08	< 10	0.77	445	2
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BB07370	201	202	< 0.2	1.14	20	430	< 0.5	< 2	0.62	< 0.5	12	26	24	3.11	< 10	< 1	0.04	< 10	0.57	450	1
BB07371	201	202	< 0.2	1.73	28	420	0.5	< 2	0.52	< 0.5	21	47	45	3.98	< 10	< 1	0.10	< 10	0.74	695	2
BB07372	201	202	< 0.2	1.83	32	500	0.5	< 2	0.24	< 0.5	16	34	58	4.45	< 10	< 1	0.07	10	0.60	405	1
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BB07375	201	202	0.2	1.44	30	510	< 0.5	< 2	0.49	0.5	15	28	62	3.50	< 10	< 1	0.10	10	0.58	595	4
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BB07379	201	202	0.2	1.28	12	340	< 0.5	< 2	0.57	0.5	11	30	39	2.46	< 10	< 1	0.09	10	0.59	360	3
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BB07381	201	202	1.8	0.45	38	150	0.5	< 2	1.15	25.5	23	11	301	>15.00	< 10	< 1	0.06	< 10	0.04	285	67
BB07382	201	202	0.8	0.36	122	90	0.5	< 2	0.90	15.5	20	8	425	12.35	< 10	< 1	0.03	< 10	0.03	360	47
BB07383	201	202	2.4	0.28	50	140	0.5	< 2	1.73	14.0	178	17	861	>15.00	< 10	2	0.01	< 10	0.70	5070	8
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BB07385	201	202	2.2	0.35	62	430	0.5	< 2	1.51	10.0	23	13	318	6.96	< 10	1	0.07	< 10	0.53	575	38
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BB07387	201	202	< 0.2	1.03	30	170	2.5	< 2	2.29	70.0	21	24	1510	6.84	< 10	< 1	0.04	30	0.37	640	8
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BB11793	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
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BB11795	201	202	0.2	1.48	40	360	0.5	< 2	0.20	2.5	14	29	72	3.65	< 10	< 1	0.10	10	0.39	370	7
BB11796	201	202	0.6	1.31	32	650	0.5	< 2	0.96	0.5	13	29	71	3.67	< 10	< 1	0.07	10	0.54	580	3

CERTIFICATION: Ian Bachler

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Project : REPLAY
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Total Pages :3
Certificate Date: 06-AUG-97
Invoice No. :I9734545
P.O. Number :
Account :MPO

CERTIFICATE OF ANALYSIS A9734545

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
BB07358	201	202	0.01	18	850	12	< 2	1	28	0.01	< 10	< 10	35	< 10	94
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BB07360	201	202	< 0.01	42	380	10	< 2	4	17	0.01	< 10	< 10	38	< 10	166
BB07361	201	202	< 0.01	41	540	12	< 2	4	21	0.01	< 10	< 10	50	< 10	132
BB07362	201	202	< 0.01	38	440	10	< 2	3	15	< 0.01	< 10	< 10	47	< 10	132
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BB07365	201	202	< 0.01	26	580	10	< 2	3	18	0.03	< 10	< 10	44	< 10	140
BB07366	201	202	< 0.01	38	360	12	< 2	4	18	< 0.01	< 10	< 10	41	< 10	140
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BB07368	201	202	< 0.01	50	830	12	< 2	5	30	< 0.01	< 10	< 10	40	< 10	102
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BB07383	201	202	< 0.01	247	2740	18	28	4	266	< 0.01	< 10	10	209	< 10	956
BB07384	201	202	< 0.01	804	2090	12	10	4	61	< 0.01	< 10	80	9	20	4180
BB07385	201	202	< 0.01	69	5740	34	34	3	192	< 0.01	< 10	10	59	< 10	554
BB07386	201	202	0.01	43	>10000	40	54	4	180	< 0.01	< 10	< 10	93	< 10	372
BB07387	201	202	< 0.01	286	4500	26	22	12	177	< 0.01	< 10	30	57	10	3210
BB07388	201	202	< 0.01	183	>10000	36	104	6	259	< 0.01	< 10	10	32	< 10	1560
BB07389	201	202	< 0.01	362	>10000	52	86	2	769	< 0.01	< 10	10	200	10	1790
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BB11792	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
BB11793	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
BB11794	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
BB11795	201	202	0.01	63	1300	16	4	3	41	< 0.01	< 10	< 10	52	< 10	308
BB11796	201	202	< 0.01	52	1270	16	< 2	5	43	0.01	< 10	< 10	33	< 10	120

CERTIFICATION: Stewart Bichlmaier

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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

Project : REPLAY
Comments:

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Certificate Date: 06-AUG-97
Invoice No. :I9734545
P.O. Number :
Account :MPO

CERTIFICATE OF ANALYSIS A9734545

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
BB11797	201	202	0.2	1.28	14	1410	< 0.5	< 2	0.26	1.5	11	23	21	3.10	< 10	< 1	0.04	10	0.34	670	5
BB11798	201	202	0.8	0.88	30	270	< 0.5	< 2	0.07	< 0.5	12	12	59	3.57	< 10	< 1	0.04	10	0.13	535	8
BB11799	201	202	< 0.2	1.70	16	490	< 0.5	< 2	0.20	< 0.5	10	37	34	3.25	< 10	< 1	0.07	10	0.60	300	1
BB11800	201	202	< 0.2	1.92	26	710	0.5	< 2	0.39	< 0.5	17	40	64	4.14	< 10	< 1	0.10	10	0.79	475	1
BB11801	201	202	0.2	1.16	30	440	< 0.5	< 2	0.90	1.0	17	23	67	4.31	< 10	< 1	0.06	10	0.48	660	1
BB11802	201	202	< 0.2	1.86	18	540	< 0.5	< 2	0.66	< 0.5	17	47	47	3.98	< 10	1	0.07	10	0.83	470	1
BB11803	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
BB11804	201	202	< 0.2	2.47	14	270	< 0.5	< 2	0.15	< 0.5	15	70	27	3.77	< 10	< 1	0.04	30	1.16	195	1
BB11805	201	202	< 0.2	2.58	24	380	0.5	< 2	0.47	< 0.5	17	79	33	4.53	< 10	< 1	0.07	10	1.18	340	1
BB11806	201	202	< 0.2	1.92	30	290	< 0.5	< 2	0.63	< 0.5	23	46	71	5.27	< 10	< 1	0.08	10	0.96	585	3
BB11807	201	202	< 0.2	1.74	28	610	0.5	< 2	0.39	< 0.5	20	41	49	3.89	< 10	< 1	0.09	20	0.74	650	1
BB11808	201	202	0.2	1.57	42	580	< 0.5	< 2	0.42	< 0.5	18	40	64	4.29	< 10	< 1	0.08	20	0.73	470	1
BB11809	201	202	0.2	1.75	20	620	0.5	< 2	0.52	0.5	13	36	76	3.36	< 10	1	0.10	20	0.63	560	2
BB11810	201	202	0.2	1.66	10	390	< 0.5	< 2	0.31	< 0.5	12	37	68	3.33	< 10	< 1	0.12	10	0.62	460	3
BB12628	201	202	0.2	1.06	6	290	< 0.5	< 2	0.17	3.0	9	16	16	2.02	< 10	< 1	0.08	10	0.22	775	1
BB12629	201	202	0.2	1.70	42	2300	0.5	< 2	1.41	5.5	13	35	91	5.17	< 10	< 1	0.07	10	0.78	760	12
BB12630	201	202	0.2	1.21	20	730	< 0.5	< 2	1.01	< 0.5	7	25	18	2.66	< 10	< 1	0.08	10	0.53	180	3
BB12631	201	202	0.6	1.31	36	780	0.5	< 2	0.69	1.0	14	28	78	3.56	< 10	< 1	0.12	10	0.55	420	4
BB12632	201	202	< 0.2	1.27	26	650	0.5	< 2	0.41	1.0	15	22	106	4.17	< 10	< 1	0.08	10	0.43	620	4
BB12633	201	202	< 0.2	1.05	44	750	< 0.5	< 2	0.83	0.5	13	21	33	3.18	< 10	< 1	0.05	< 10	0.43	565	5
BB12634	201	202	< 0.2	1.38	20	370	< 0.5	< 2	0.18	< 0.5	9	27	13	2.77	< 10	< 1	0.06	10	0.53	235	2
BB12635	201	202	0.2	0.97	26	390	< 0.5	< 2	1.79	1.5	11	22	37	2.67	< 10	< 1	0.05	< 10	0.85	645	1
BB12636	201	202	0.2	1.39	22	300	< 0.5	< 2	0.86	< 0.5	13	28	32	2.52	< 10	< 1	0.12	10	0.54	370	1
BB12637	201	202	0.2	1.31	26	300	< 0.5	< 2	0.71	0.5	13	30	36	3.30	< 10	< 1	0.08	10	0.63	380	2
BB12638	201	202	0.2	1.05	14	370	< 0.5	< 2	1.17	0.5	10	27	26	2.07	< 10	< 1	0.05	< 10	0.47	370	1
BB12639	201	202	0.8	1.05	42	330	< 0.5	< 2	0.07	1.0	12	17	90	4.83	< 10	< 1	0.09	10	0.18	215	6
BB12789	201	202	< 0.2	1.23	12	320	< 0.5	< 2	0.47	< 0.5	10	30	29	2.46	< 10	1	0.06	10	0.57	310	1
BB12790	201	202	0.2	1.36	22	360	< 0.5	< 2	0.51	0.5	11	35	45	2.98	< 10	< 1	0.07	10	0.69	300	3
BB12791	201	202	0.4	1.53	20	470	< 0.5	< 2	0.38	< 0.5	12	37	40	3.01	< 10	< 1	0.08	10	0.62	360	4
BB12792	201	202	< 0.2	1.66	4	390	< 0.5	< 2	0.21	< 0.5	4	25	8	1.84	< 10	< 1	0.03	20	0.40	75	< 1
BB12793	201	202	0.2	0.91	14	190	< 0.5	< 2	0.13	0.5	6	19	16	2.37	< 10	< 1	0.05	< 10	0.32	265	3
BB12794	201	202	< 0.2	1.49	6	270	< 0.5	< 2	0.13	1.5	8	30	16	2.53	< 10	< 1	0.04	< 10	0.50	235	3
BB12795	201	202	< 0.2	1.32	18	220	< 0.5	< 2	0.12	< 0.5	8	29	35	2.82	< 10	< 1	0.09	10	0.45	225	5
BB12796	201	202	0.2	1.30	16	310	< 0.5	< 2	0.41	0.5	10	28	43	2.80	< 10	< 1	0.11	10	0.55	330	3
BB12797	201	202	0.4	1.12	22	260	< 0.5	< 2	0.55	0.5	10	30	36	2.57	< 10	< 1	0.09	10	0.56	325	4
BB12798	201	202	0.6	1.21	14	390	< 0.5	< 2	0.60	0.5	8	27	41	2.26	< 10	< 1	0.05	10	0.43	225	4
BB12799	201	202	< 0.2	1.53	18	230	< 0.5	< 2	0.38	0.5	11	39	35	3.27	< 10	< 1	0.09	10	0.65	320	2
BB12800	201	202	< 0.2	1.34	34	310	< 0.5	< 2	0.89	0.5	20	39	21	3.74	< 10	< 1	0.05	10	0.66	490	3
BB12801	201	202	0.2	0.80	18	330	< 0.5	< 2	1.25	0.5	19	16	22	2.81	< 10	< 1	0.04	< 10	0.40	1845	3
BB12802	201	202	0.6	0.69	14	400	< 0.5	< 2	2.25	2.5	9	13	38	1.87	< 10	< 1	0.08	< 10	0.51	525	1

CERTIFICATION:

Chemex Labs Ltd.

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CERTIFICATE OF ANALYSIS A9734545

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
BB11797	201	202	< 0.01	29	940	14	< 2	1	78	0.01	< 10	< 10	34	< 10	264
BB11798	201	202	< 0.01	55	560	12	< 2	< 1	15	< 0.01	< 10	< 10	22	< 10	204
BB11799	201	202	< 0.01	39	430	10	< 2	4	17	0.01	< 10	< 10	44	< 10	84
BB11800	201	202	< 0.01	58	420	12	< 2	7	21	< 0.01	< 10	< 10	46	< 10	102
BB11801	201	202	< 0.01	39	1100	8	< 2	5	39	< 0.01	< 10	< 10	29	< 10	74
BB11802	201	202	< 0.01	43	460	16	< 2	5	27	0.01	< 10	< 10	44	< 10	78
BB11803	--	--	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd	NotRcd
BB11804	201	202	< 0.01	50	180	14	< 2	5	10	< 0.01	< 10	< 10	35	< 10	72
BB11805	201	202	< 0.01	60	530	12	< 2	6	29	< 0.01	< 10	< 10	54	< 10	94
BB11806	201	202	< 0.01	57	1230	10	< 2	6	32	0.01	< 10	< 10	48	< 10	96
BB11807	201	202	< 0.01	56	490	16	< 2	6	23	0.01	< 10	< 10	43	< 10	86
BB11808	201	202	< 0.01	60	530	12	< 2	6	20	0.01	< 10	< 10	41	< 10	76
BB11809	201	202	< 0.01	54	580	12	< 2	6	35	0.01	< 10	< 10	45	< 10	166
BB11810	201	202	< 0.01	52	750	14	< 2	4	36	< 0.01	< 10	< 10	37	< 10	166
BB12628	201	202	0.01	12	810	18	< 2	1	24	0.02	< 10	< 10	34	< 10	142
BB12629	201	202	< 0.01	67	4280	18	< 2	4	106	0.02	< 10	< 10	224	< 10	734
BB12630	201	202	< 0.01	20	1540	14	< 2	4	64	0.01	< 10	< 10	41	< 10	112
BB12631	201	202	< 0.01	51	890	18	< 2	5	60	< 0.01	< 10	< 10	49	< 10	184
BB12632	201	202	< 0.01	53	1180	12	< 2	4	66	< 0.01	< 10	< 10	34	< 10	298
BB12633	201	202	< 0.01	29	1390	10	< 2	3	46	< 0.01	< 10	< 10	27	< 10	120
BB12634	201	202	< 0.01	22	320	12	< 2	2	12	0.01	< 10	< 10	38	< 10	76
BB12635	201	202	0.01	24	1250	10	< 2	3	118	< 0.01	< 10	< 10	23	< 10	50
BB12636	201	202	0.01	33	870	10	< 2	3	42	< 0.01	< 10	< 10	39	< 10	98
BB12637	201	202	< 0.01	34	1190	10	< 2	4	38	0.01	< 10	< 10	35	< 10	98
BB12638	201	202	0.01	25	950	8	< 2	2	58	0.01	< 10	< 10	27	< 10	50
BB12639	201	202	< 0.01	41	1170	60	4	1	159	< 0.01	< 10	< 10	40	< 10	324
BB12789	201	202	0.01	35	830	8	< 2	3	32	0.01	< 10	< 10	30	< 10	102
BB12790	201	202	< 0.01	43	1020	12	< 2	4	34	0.01	< 10	< 10	34	< 10	144
BB12791	201	202	< 0.01	40	760	10	< 2	3	27	0.01	< 10	< 10	41	< 10	112
BB12792	201	202	< 0.01	13	180	14	< 2	2	15	0.01	< 10	< 10	42	< 10	36
BB12793	201	202	< 0.01	17	670	12	< 2	1	17	< 0.01	< 10	< 10	31	< 10	86
BB12794	201	202	0.01	22	350	12	< 2	2	17	0.01	< 10	< 10	50	< 10	210
BB12795	201	202	< 0.01	32	580	16	< 2	2	34	< 0.01	< 10	< 10	43	< 10	130
BB12796	201	202	< 0.01	37	1100	16	< 2	3	48	0.01	< 10	< 10	42	< 10	184
BB12797	201	202	< 0.01	34	1230	10	< 2	3	52	0.01	< 10	< 10	42	< 10	130
BB12798	201	202	< 0.01	27	860	14	< 2	3	55	0.01	< 10	< 10	34	< 10	94
BB12799	201	202	< 0.01	36	610	12	< 2	3	25	0.05	< 10	< 10	50	< 10	140
BB12800	201	202	< 0.01	35	640	16	< 2	6	35	0.01	< 10	< 10	44	< 10	148
BB12801	201	202	0.01	26	950	10	< 2	3	80	< 0.01	< 10	< 10	25	< 10	128
BB12802	201	202	< 0.01	29	1170	10	< 2	1	136	< 0.01	< 10	< 10	21	< 10	130

CERTIFICATION: Ian Pitcher

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Y1A 3S9

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CERTIFICATE OF ANALYSIS A9734545

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
BB12803	201 202	0.4	1.05	18	420	< 0.5	< 2	1.02	3.0	11	19	45	2.61	< 10	< 1	0.12	10	0.45	710	3
BB12804	201 202	0.4	2.29	34	660	0.5	< 2	0.25	1.5	12	35	87	4.17	< 10	< 1	0.15	10	0.71	225	11
BB13024	201 202	0.2	0.98	26	910	< 0.5	< 2	0.89	< 0.5	14	14	27	3.29	< 10	1	0.03	10	0.44	835	1
BB13025	201 202	< 0.2	1.47	18	390	< 0.5	< 2	0.55	1.0	12	32	37	3.14	< 10	< 1	0.14	10	0.55	355	2
BB13026	201 202	0.2	0.99	14	610	< 0.5	< 2	0.66	< 0.5	12	20	31	2.54	< 10	< 1	0.06	10	0.45	455	2
BB13027	201 202	< 0.2	0.63	12	1170	< 0.5	< 2	0.05	0.5	3	9	12	1.43	< 10	< 1	0.03	< 10	0.09	70	4
BB13028	201 202	0.2	1.44	28	2320	< 0.5	< 2	0.17	3.0	10	22	25	3.42	< 10	< 1	0.05	< 10	0.28	220	9
BB13029	201 202	0.8	2.04	10	2590	< 0.5	< 2	0.55	12.0	17	21	96	2.60	< 10	< 1	0.09	10	0.35	770	16
BB13030	201 202	< 0.2	0.76	38	260	< 0.5	< 2	0.09	2.0	11	14	32	3.59	< 10	< 1	0.06	< 10	0.16	195	5
BB13031	201 202	0.4	1.22	34	1330	< 0.5	< 2	0.54	0.5	13	27	42	3.13	< 10	< 1	0.10	10	0.45	425	12
BB13032	201 202	0.4	1.43	22	650	< 0.5	< 2	0.96	< 0.5	13	26	33	2.84	< 10	< 1	0.12	10	0.49	505	4
BB13033	201 202	0.4	1.44	30	860	< 0.5	< 2	0.45	0.5	16	30	53	3.46	< 10	< 1	0.12	10	0.61	420	4
BB13034	201 202	0.8	1.18	16	500	< 0.5	< 2	0.68	2.5	9	23	42	2.23	< 10	< 1	0.09	10	0.39	435	4
BB13035	201 202	0.2	1.38	22	460	< 0.5	< 2	0.33	0.5	12	29	45	2.95	< 10	1	0.10	20	0.49	390	3
BB14089	201 202	0.2	1.51	34	350	< 0.5	< 2	0.73	< 0.5	17	33	55	3.87	< 10	< 1	0.11	10	0.74	545	2
BB15337	201 202	2.2	1.38	18	780	< 0.5	< 2	0.48	< 0.5	9	39	76	3.42	< 10	< 1	0.21	10	0.34	305	20
BB15338	201 202	0.4	1.25	24	670	< 0.5	< 2	0.53	1.0	11	25	62	3.05	< 10	< 1	0.11	10	0.44	380	3
BB15339	201 202	0.2	1.54	24	660	0.5	< 2	0.38	< 0.5	13	33	56	3.28	< 10	< 1	0.13	10	0.51	485	4
BB15340	201 202	< 0.2	1.30	18	430	< 0.5	< 2	0.34	< 0.5	10	29	25	3.16	< 10	< 1	0.08	10	0.54	345	3
BB15341	201 202	< 0.2	1.35	20	570	< 0.5	< 2	0.22	< 0.5	9	27	26	3.11	< 10	< 1	0.08	10	0.43	410	4
BB15342	201 202	0.4	1.17	12	480	< 0.5	< 2	0.37	< 0.5	9	26	49	2.27	< 10	< 1	0.06	10	0.48	235	2
BB15343	201 202	7.4	1.98	56	1260	1.5	< 2	1.59	2.0	4	74	45	1.06	< 10	< 1	0.16	10	0.05	525	14
BB15344	201 202	< 0.2	1.67	14	460	< 0.5	< 2	0.14	< 0.5	10	34	66	2.98	< 10	< 1	0.09	10	0.58	260	2
BB15345	201 202	0.4	2.02	28	740	0.5	< 2	0.59	1.0	17	36	82	4.11	< 10	< 1	0.12	10	0.50	805	3
BB15346	201 202	0.6	0.80	168	340	< 0.5	< 2	0.34	2.5	15	16	103	5.54	< 10	< 1	0.08	10	0.18	655	9
BB15347	201 202	0.2	1.17	26	330	< 0.5	< 2	0.64	0.5	9	27	31	2.63	< 10	< 1	0.06	10	0.57	345	3
BB15348	201 202	1.0	0.63	30	320	< 0.5	< 2	0.55	1.0	11	9	63	2.81	< 10	< 1	0.06	10	0.18	380	5
BB15349	201 202	2.8	3.40	66	400	0.5	< 2	0.22	1.5	16	51	107	5.29	10	< 1	0.10	10	0.92	405	7
BB15350	201 202	0.2	1.22	8	250	< 0.5	< 2	0.22	< 0.5	6	23	12	1.93	< 10	< 1	0.06	10	0.41	200	1
BB15351	201 202	0.2	1.83	22	570	0.5	< 2	0.31	< 0.5	9	34	31	3.00	< 10	< 1	0.12	10	0.55	315	2
BB15352	201 202	0.2	1.60	18	540	0.5	< 2	0.31	< 0.5	11	36	42	2.84	< 10	1	0.12	20	0.62	445	3
BB15353	201 202	< 0.2	1.55	16	520	< 0.5	< 2	0.26	< 0.5	9	31	34	2.64	< 10	< 1	0.08	10	0.54	185	2
BB15354	201 202	0.2	1.26	20	480	< 0.5	< 2	0.44	< 0.5	10	28	34	2.64	< 10	< 1	0.08	10	0.54	300	1
BB15355	201 202	0.2	1.19	14	390	< 0.5	< 2	0.51	0.5	9	22	38	2.52	< 10	< 1	0.09	10	0.50	540	3

CERTIFICATION: Ian Bucklen

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Page [illegible]ber : 3-B
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CERTIFICATE OF ANALYSIS A9734545

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
BB12803	201	202	0.01	34	1460	14	2	3	70	< 0.01	< 10	< 10	37	< 10	220
BB12804	201	202	< 0.01	55	760	48	2	4	45	0.01	< 10	< 10	104	< 10	394
BB13024	201	202	0.04	24	640	14	< 2	4	35	< 0.01	< 10	< 10	21	< 10	50
BB13025	201	202	0.01	41	670	10	< 2	4	31	< 0.01	< 10	< 10	43	< 10	146
BB13026	201	202	0.02	31	760	10	< 2	3	33	< 0.01	< 10	< 10	30	< 10	80
BB13027	201	202	0.01	12	360	8	< 2	< 1	13	0.01	< 10	< 10	34	< 10	56
BB13028	201	202	< 0.01	46	320	16	< 2	1	12	< 0.01	< 10	< 10	114	< 10	270
BB13029	201	202	0.03	97	1150	20	< 2	4	55	0.01	< 10	< 10	81	< 10	636
BB13030	201	202	0.01	33	900	14	2	1	14	0.01	< 10	< 10	40	< 10	214
BB13031	201	202	< 0.01	39	1360	12	2	3	54	0.01	< 10	< 10	46	< 10	176
BB13032	201	202	0.01	28	1420	12	2	3	77	< 0.01	< 10	< 10	48	< 10	116
BB13033	201	202	< 0.01	46	580	12	2	4	45	< 0.01	< 10	< 10	48	< 10	154
BB13034	201	202	0.02	34	1220	10	< 2	3	56	0.01	< 10	< 10	35	< 10	116
BB13035	201	202	< 0.01	40	760	10	2	3	38	0.01	< 10	< 10	42	< 10	144
BB14089	201	202	0.01	53	1180	8	< 2	5	36	0.01	< 10	< 10	42	< 10	116
BB15337	201	202	0.01	38	1890	32	6	3	168	< 0.01	< 10	< 10	132	< 10	98
BB15338	201	202	0.01	50	1090	10	2	4	45	< 0.01	< 10	< 10	39	< 10	156
BB15339	201	202	< 0.01	43	720	14	2	3	33	< 0.01	< 10	< 10	48	< 10	132
BB15340	201	202	< 0.01	30	890	10	2	2	29	0.01	< 10	< 10	40	< 10	106
BB15341	201	202	< 0.01	27	510	12	< 2	2	28	< 0.01	< 10	< 10	45	< 10	96
BB15342	201	202	< 0.01	31	1170	8	< 2	3	38	< 0.01	< 10	< 10	32	< 10	114
BB15343	201	202	< 0.01	7	>10000	120	26	3	1960	< 0.01	< 10	< 10	620	< 10	84
BB15344	201	202	< 0.01	40	480	10	2	4	20	< 0.01	< 10	< 10	44	< 10	124
BB15345	201	202	< 0.01	51	770	12	2	5	41	< 0.01	< 10	< 10	59	< 10	182
BB15346	201	202	< 0.01	55	3260	16	8	1	63	< 0.01	< 10	< 10	44	< 10	234
BB15347	201	202	0.01	26	1460	10	< 2	3	55	< 0.01	< 10	< 10	34	< 10	100
BB15348	201	202	< 0.01	39	1010	10	2	3	48	< 0.01	< 10	< 10	18	< 10	142
BB15349	201	202	< 0.01	75	2710	14	2	6	59	0.06	< 10	< 10	73	< 10	290
BB15350	201	202	< 0.01	15	930	8	< 2	1	24	0.02	< 10	< 10	35	< 10	162
BB15351	201	202	< 0.01	33	480	10	< 2	3	26	0.01	< 10	< 10	52	< 10	104
BB15352	201	202	< 0.01	45	510	12	< 2	5	26	0.01	< 10	< 10	53	< 10	116
BB15353	201	202	< 0.01	33	360	8	< 2	3	24	< 0.01	< 10	< 10	45	< 10	106
BB15354	201	202	< 0.01	32	490	10	< 2	3	31	< 0.01	< 10	< 10	38	< 10	116
BB15355	201	202	< 0.01	33	1010	18	< 2	3	45	< 0.01	< 10	< 10	38	< 10	154

CERTIFICATION: Stuart Buchles