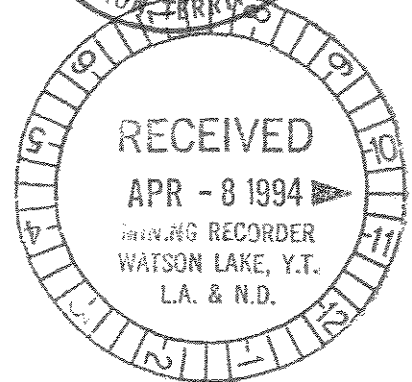
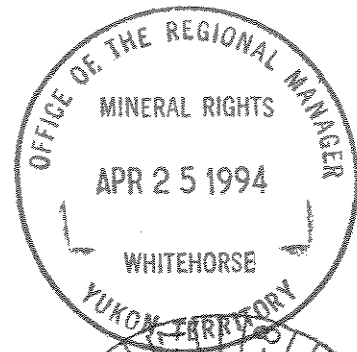


093202



**1993 SUMMARY  
REPORT  
ON THE  
FOOT 1-10, 13-20 CLAIMS**

Located in the Pelly Mountains  
Watson Lake Mining District  
NTS 105G/8  
61° 26' North Latitude  
130° 07' West Longitude

-prepared for-  
ATNA RESOURCES LIMITED

-prepared by-  
Mark E. Baknes, P.Geo.

DATES OF WORK PERFORMED: September 5-10, 1993

DATE OF REPORT: March 1994

1993 SUMMARY REPORT ON THE FOOT 1-10, 13-20 CLAIMS

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## 1.0 INTRODUCTION

The Foot claims consist of 18 Yukon mineral claims located in the Watson Lake Mining District. They were staked in 1993 to cover a Yukon Minfile occurrence situated within a Devonian-Mississippian sequence considered favourable for hosting volcanogenic massive sulphides (VMS). The Fetish showing was first explored by the Finlayson Joint Venture in 1973, who conducted surface exploration, including drilling. The property was restaked as the Kink claims in 1982 and optioned briefly to Esso Minerals who conducted airborne and MaxMin EM surveys.

In 1993, Equity Engineering Ltd. conducted a two man field program from September 4 to September 10 on behalf of Atna Resources Limited. Exploration included prospecting, geological mapping, soil and silt geochemistry. A total of 24 rock, 48 silt and 108 soil samples were collected. Four days were spent on the claims or adjacent areas, and 2 days were spent silting and prospecting areas to the northeast of the claims. The first objective of the program was to define the extent, and nature of the mineralization at the Fetish showing. The second objective was to conduct reconnaissance prospecting, silt and soil sampling, along the projected strike extension and locate other areas of focus.

## 2.0 LIST OF CLAIMS

Yukon government records indicate that the following claims (Table 2.0.1)(Figure 2) are owned by Mark E. Baknes. Separate documents indicate that they are owned by Atna Resources Limited of Vancouver B.C..

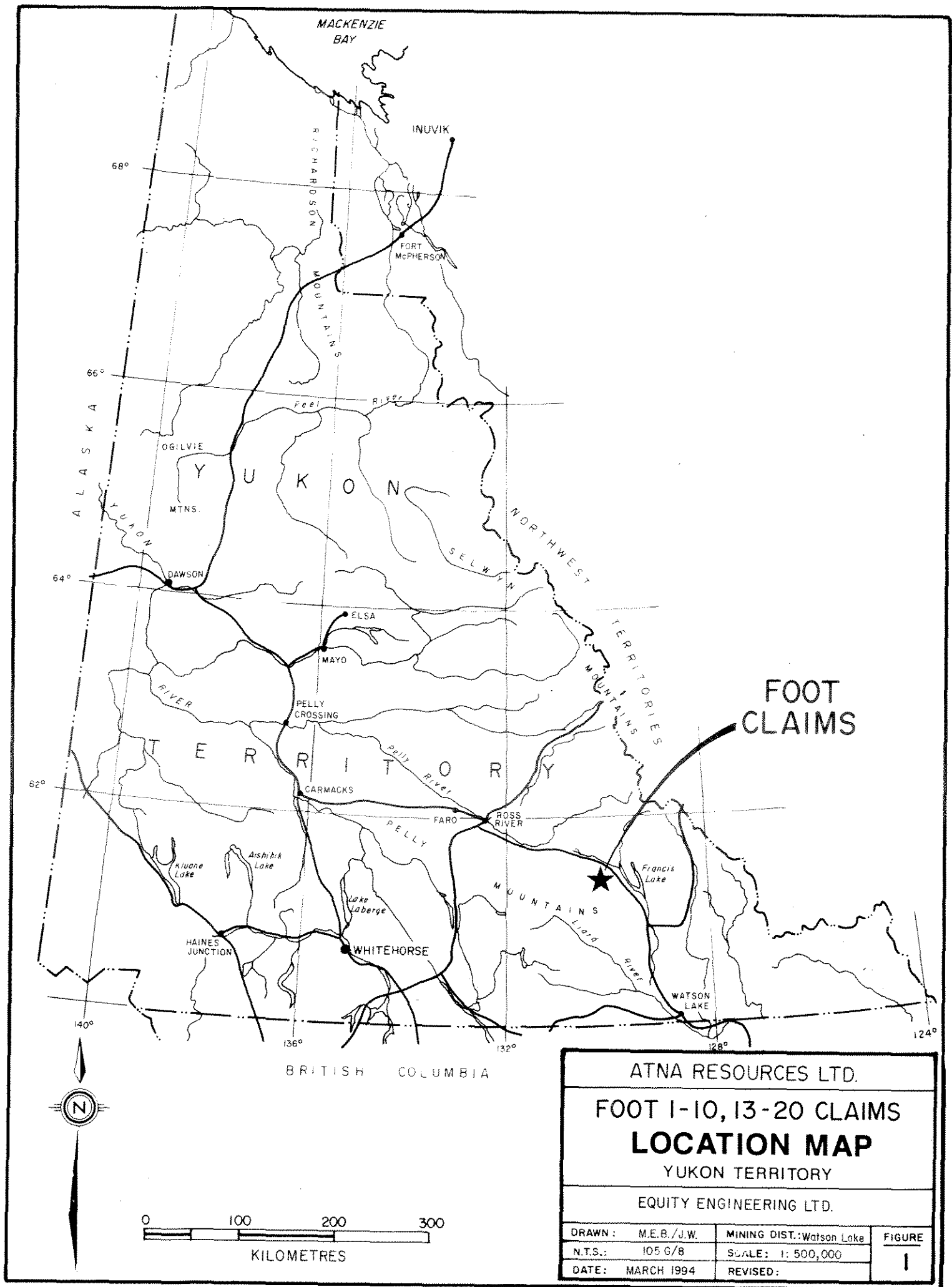
**TABLE 2.0.1**  
**CLAIM DATA**

Claim Name	Record Numbers	Record Date	Expiry Date	NTS
Foot 1 - 10	YB45954-963	19/07/93	31/12/97	105G/8
Foot 13 - 20	YB45966-973	19/07/93	31/12/97	105G/8

\* Subject to approval of assessment work covered by this report

## 3.0 LOCATION, ACCESS AND PHYSIOGRAPHY

The Foot claims are located within the Pelly Mountains, approximately 135 kilometres southeast of Ross River, and 20 kilometres south of the nearest point on the Robert Campbell Highway, in the southeast Yukon (Figure 1). They lie within the Watson Lake Mining District, centred at 61° 26' north latitude and



**FOOT CLAIMS**

ATNA RESOURCES LTD.		
FOOT 1-10, 13-20 CLAIMS		
<b>LOCATION MAP</b>		
YUKON TERRITORY		
EQUITY ENGINEERING LTD.		
DRAWN :	M.E.B./J.W.	MINING DIST.: Watson Lake
N.T.S.:	105 G/8	SCALE: 1: 500,000
DATE:	MARCH 1994	REVISED:
		FIGURE
		1



130° 07' west longitude.

Access to the Foot claims during the 1993 field program was provided by helicopter based out of Ross River. Camp materials were trucked from Ross River, 110 kilometres south along the Robert Campbell highway to Finlayson Lake from which point they were transported by helicopter to the property. The southeast end of Wolverine Lake, which would be adequate for float plane access, lies within 500 metres of the northwest end of the claim group.

The Foot claims lie on southwest flank of the Campbell Range. The property ranges from 1160 to 1600 metres elevation and is covered with dense to scattered black spruce and buck brush below 1400 metres. Above 1400 metres elevation vegetation consists of alpine grasses and moss. Topography is moderate to steep on the higher slopes and dominated by muskeg and swamps toward the southeast corner of the claim group. Outcrop exposure is restricted to the higher slopes along drainages and is generally poor (< 5%) within low lying areas.

#### **4.0 PROPERTY EXPLORATION HISTORY**

The Fetish showing was found in 1973 by the Finlayson Joint Venture exploration syndicate, managed by Archer, Cathro and Associates Ltd. In that year, the property was explored by geological mapping and soil sampling. Soil geochemical surveys, over a wide-spaced grid of approximately 1400 by 1000 metres, defined a series of copper and lead anomalies aligned over a length of 1000 metres. In 1974, two AQ diamond drill holes were drilled 240 metres apart for a total of 215 metres. Additional work included claims expansion, soil sampling and an orientation magnetometer survey. The property was restaked as the Kink claims in 1982, by Archer, Cathro and Associates and optioned briefly to Esso Minerals Ltd., which conducted airborne and MaxMin EM surveys. The geophysics defined the extent of the magnetite iron formation, and conductive bodies were identified, but not investigated further. The detailed results of the Esso work is confidential and not available for viewing in assessment reports. The Kink claim group has been reduced to one unit and is presently owned by Archer, Cathro and Associates (1981) Ltd.

#### **5.0 1993 EXPLORATION PROGRAM**

During the period September 5-10, 1993, Atna Resources Ltd. carried out a field exploration program on the Foot claims, consisting of soil, silt and rock geochemistry, limited geological mapping, and prospecting.

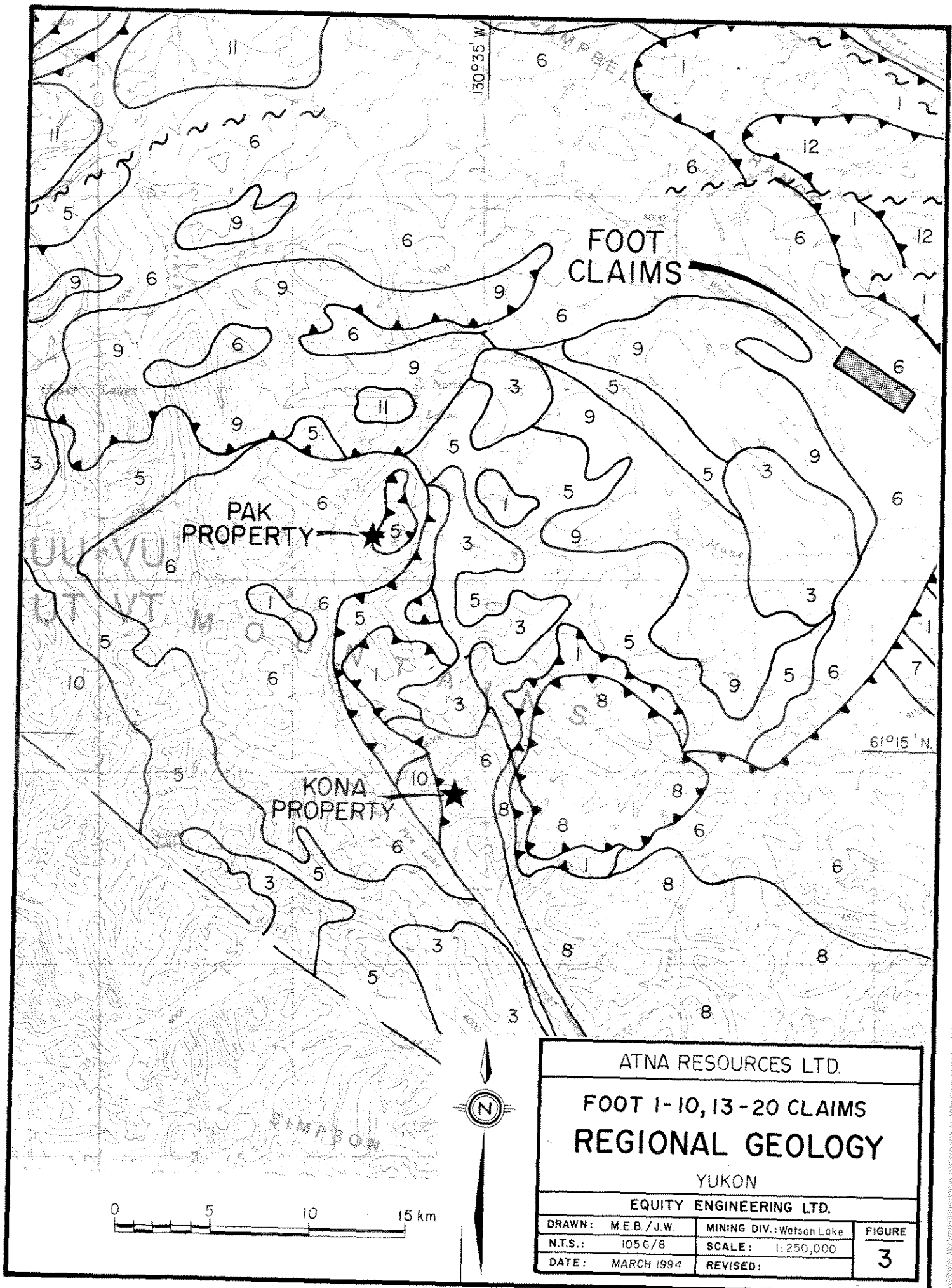
A total of 108 soil samples were taken at 50 metre intervals on five soil lines. A sixth soil line was established and sampled

at 200 foot intervals to try and duplicate results obtained during Archer Cathro's 1973 work. A total of 48 silt samples were taken both on and off the claims to the northwest and southeast. Soils were collected from "A" and "B" horizon material where possible. Soil and silt samples were placed in numbered kraft envelopes. The sample site was marked in the field with plastic flagging and the sampler recorded notes on the sample type and local conditions. Samples were partially dried in camp and then shipped to Chemex Labs Ltd. of North Vancouver, B.C. for sample preparation and analysis. Analytical procedures and a complete set of results for gold, and ICP geochemistry may be found in the appendices.

Geological mapping was completed on portions of the property and plotted at 1:10,000 scale and at 1:5000 scale for the Fetish showing area. A total of 28 rock samples was collected including 7 chip, 9 float and 8 grab samples. A number of iron formation samples were collected on the basis that the iron formation itself might represent a favourable horizon for hosting massive sulphides or lie on the immediate hanging wall of massive sulphides. All samples were shipped to Chemex Labs and analyzed for gold plus 24 elements by ICP geochemistry using tri-acid digestion. Rock descriptions, analytical procedures and complete results are included in the appendices of this report.

## 6.0 REGIONAL GEOLOGY

The region lying northeast of the Tintina Trench and southwest of Frances and Finlayson Lakes is referred to the Yukon Tanana Terrane (YTT). The regional geology of the YTT has most recently been defined by the work of Tempelman-Kluit et al., (1976) and Mortensen (1985, 1992). Mortensen considers the YTT to be the innermost of the accreted terranes in the western Canadian Cordillera. It is comprised largely of a Late Devonian-Mississippian volcanic-plutonic, pericratonic arc assemblage that was strongly deformed and metamorphosed by the late Triassic. The YTT extends into the northern Yukon and on into Alaska where it is host to several volcanogenic massive sulphide (VMS) deposits in the Delta district, including several moderate size deposits that total 18 million tonnes grading 0.3 to 0.7% copper, 3.0 to 6.0% zinc, 1.0 to 3.0% lead, 34.0 to 100.0 g/t silver and 1.0 to 3.4 g/t gold (Nokleberg et al., 1989). The YTT is believed to be a displaced equivalent to the Kootenay and Barkerville Terranes of southern and central British Columbia, which are host to several VMS deposits including the Goldstream deposit north of Revelstoke (3.2 million tonnes grading 4.5% Cu, 3.1% Zn, 20 g/t Silver) (Høy, 1991). One of the most notable occurrences, that lies in the Pelly Mountains, is the Kona occurrence, 35 kilometres to the south. Mineralization is associated with a unit of banded iron formation (BIF), with oxide, sulphide and silicate facies. This unit is believed to be semi-continuous over a 1700 metre strike length. Mineralization is variable, consisting of massive pyrite with minor chalcopyrite



ATNA RESOURCES LTD.		
FOOT 1-10, 13-20 CLAIMS		
REGIONAL GEOLOGY		
YUKON		
EQUITY ENGINEERING LTD.		
DRAWN: M.E.B./J.W.	MINING DIV.: Watson Lake	FIGURE <b>3</b>
N.T.S.: 105 G/8	SCALE: 1:250,000	
DATE: MARCH 1994	REVISED:	

# LEGEND

(to accompany Figure 3)

## NORTH AMERICAN CONTINENTAL MARGIN

14 Pre-Triassic sedimentary and volcanic rocks

## CAMBELL RANGE BELT

13 massive carbonate

12 dominantly grey chert and metachert, structurally interleaved with minor mafic and felsic metavolcanics, greenstone and serpentinite (Slide Mt.?)

## YUKON-TANANA TERRANE

11 Early Jurassic - mafic stocks

10 augen orthogneiss

9 monzonitic orthogneiss

8 Mid Paleozoic - Simpson Range plutonic suite

7 Pennsylvanian-Permian - massive carbonate and quartzite (upper unit)

6 Devonian-Mississippian - interlayered mafic and minor felsic metavolcanic rocks, carbonaceous metasediments and quartzey grits (middle unit, Nasina equivalent)

5 Pre-late Devonian - micaceous quartzite, minor marble (lower unit, Nisling equivalent)

## UNITS COMMON TO ALL THREE TERRANES

4 Cretaceous and Tertiary - volcanic rocks

3 Mid-Cretaceous - felsic intrusive rocks

2 Late Triassic - immature clastic sediments

1 serpentinitized ultramafic rocks, greenstone, cherts, minor diabase and gabbro (Slide Mt.?)

## SYMBOLS

stratigraphic or intrusive contact

thrust fault (teeth on hanging wall)

\* Geology after Mortensen & Jilson, 1985

and sphalerite, massive banded magnetite, pyrite-quartz-magnetite and disseminated pyrite and chalcopyrite in grey siliceous bands. According to Welcome North Mines Ltd., drilling within a 460 metre by 100 metre area, defined a reserve of 1.5 million tons, grading 1% copper, 1% zinc, 4.2 g/tonne silver and 0.5 g/tonne gold.

Figure 3 illustrates the regional geology of the area, including those rocks not belonging to the YTT. The Layered Metamorphic Sequence (LMS) of the SYTT is host to the known VMS occurrences and is considered the most permissive. The Devonian-Mississippian interlayered mafic and felsic rocks (middle unit of the LMS), which is host to the Fetish occurrence, may be equivalent to the Nasina series of the Dawson district, which is comprised mainly of carbonaceous quartzites. The pre- to late Devonian (lower unit) is likely equivalent to the Nisling assemblage of northwestern B.C. and the western Yukon.

## 7.0 PROPERTY GEOLOGY

The Foot claims are hosted in the middle unit of the Layered Metamorphic Sequence (LMS) (Mortensen, 1985) (Figure 4, 5). On a more regional scale beyond the boundaries of the Foot claims, monzonitic orthogneiss outcrops to the south, and Carboniferous-Permian serpentinized ultramafic rocks are exposed to the north. The rocks underlying the Foot claims have been subjected to greenschist grade metamorphism as indicated by a metamorphic assemblage of chlorite, calcite and epidote. Average attitudes of foliation, which appear to parallel compositional layering, are  $125/40^{\circ}$  NE. The general structural sequence starting from the lowest member is a grey to black phyllite and slate (Unit Vph), overlain by poorly exposed chlorite schist, to weakly mineralized chlorite-talc schist (Unit Vcs), buff to grey quartzite-chert (Unit Vqt) grading upward into two separate horizons of magnetite iron formation (Unit Vfe), sericitic quartzite and sericitic feldspathic quartzite (Unit Vsq), grey phyllite with interbedded siliceous phyllite containing local conglomerate facies (Unit Vph), and dark green foliated, locally pillowed, mafic flows and associated tuffs (Unit Van). Drill hole sections indicate that the chlorite-talc schist unit (Unit Vcs) is underlain by quartz-sericite schist (Unit Vsq), which is in turn underlain by shale and phyllite (Unit Vph). The quartz sericite schist unit is not, however, exposed on surface. Units appear to persist, as evidenced by subcropping iron formation, mafic volcanics with footwall phyllites and quartzites, for at least 8 kilometres along strike.

## 8.0 MINERALIZATION

The Fetish showing consists of weakly mineralized chlorite-talc schist underlying the magnetite iron formation (Unit Vfe). The chlorite-talc schist forms two prominent "kill zones" exposing

LEGEND

LITHOLOGIES

YUKON TANANA TERRANE

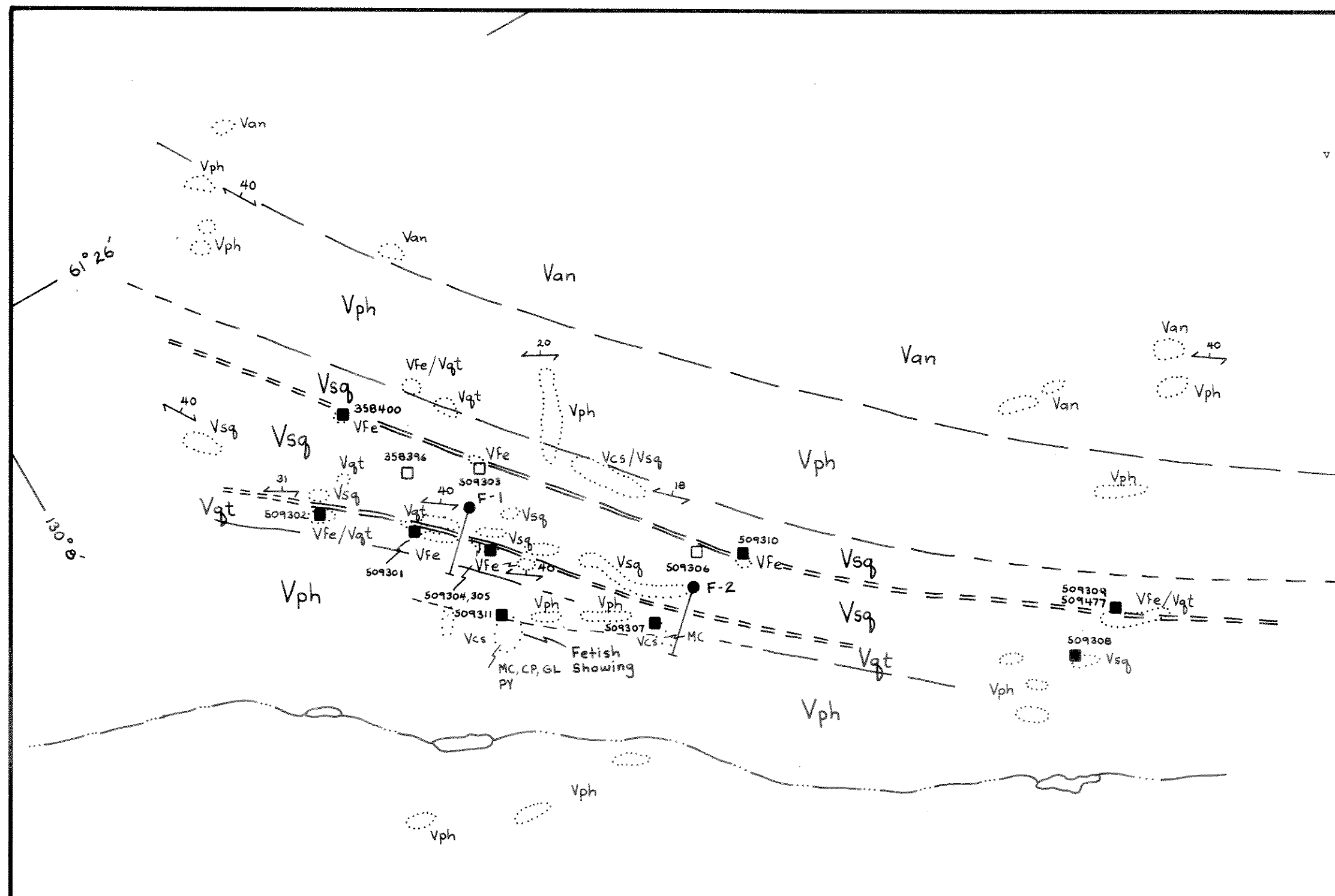
- v Middle Unit: (Devonian-Mississippian)  
Interlayered mafic and minor felsic metavolcanic rocks, carbonaceous metasediments and quartzite grits (Nasina equivalent)
- Van dark green foliated, locally pillowed, mafic volcanics
  - Vcs chlorite schist, locally talc-chlorite schist, meta-volcanic?
  - Vfe magnetite iron formation
  - Vph grey phyllite
  - Vsq sericitic feldspathic quartzite
  - Vqt quartzite - meta chert
  - v undifferentiated

MINERALIZATION

- CP - chalcopyrite
- GL - galena
- MC - malachite
- PY - pyrite

SYMBOLS

- Outcrop
- Geological contact (approximate)
- Foliation; vertical; overturned
- Diamond drill hole
- Rock sample (float, outcrop)



1993 ROCK SAMPLE ANALYSES

Sample	Au (ppb)	Ba (ppm)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
358396	25	>10000	122	23	1420	152
358400	<5	9210	87	9	<2	100
509301	<5	5140	28	6	<2	48
509302	75	2120	10	16	32	86
509303	<5	330	17	8	<2	114
509304	<5	4860	31	17	<2	166
509305	<5	9280	4	10	<2	142
509306	<5	1130	7	9	<2	72
509307	<5	5190	764	1	76	3220
509308	<5	9450	37	<1	4	76
509309	<5	6800	18	8	<2	128
509310	15	5420	5	10	<2	158
509311	20	1750	7321	3	64	950
509477	<5	1380	3	15	<2	66

ATNA RESOURCES LTD.

FOOT 1-10, 13-20 CLAIMS  
FOOT SHOWING GEOLOGY  
& GEOCHEMISTRY

EQUITY ENGINEERING LTD.

DRAWN: M.E.B./J.W.	MINING DIV.: Watson Lake	FIGURE
N.T.S.: 105 G/8	SCALE: 1:5000	5
DATE: MARCH, 1994	REVISED:	

subcropping schist with spotty malachite stain. At the Fetish showing a grab sample (#509311) of the chlorite-talc schist returned 7321 ppm copper and 950 ppm zinc and a sample (#509307) taken 150 metres southeast along strike returned 764 ppm copper and 3220 ppm zinc. The Fetish showing also contains bull quartz veins that contain chalcopyrite, minor sphalerite, pyrite and galena. Drilling in 1974 intersected the weakly mineralized chlorite-talc schist. The description of the 1974 results are paraphrased below.

"Both drill holes intersected stratiform copper-zinc mineralization in soft, friable, talcose sericite-chlorite schist. The mineralization occurs as occasional thin (up to 1/4 inch) bands of chalcopyrite and/or chocolate brown sphalerite parallel to foliation. Hole F-1 intersected 65 feet of weak mineralization, of which the best grade portion assayed 0.20% copper and 0.25% zinc over 13 feet. Hole F-2 intersected 41 feet of mineralized schist, of which the best grade section assayed 0.24% copper and 0.22% zinc over 15.5 feet. A two inch interval above the low grade section assayed 8% copper, 1.14% zinc and 2.18 oz/T silver."

Core recoveries in the mineralized sections averaged 40% and thus the analytical results are somewhat suspect.

Oxide mineralization occurs as disseminated to massive magnetite in fine-grained quartzites to cherts on the structural hanging wall of the chlorite talc schist. Two layers of iron formation separated by approximately 60 metres of stratigraphy and averaging 1 to 3 metres thickness, outcrop and subcrop over a strike distance of 800 metres, however, magnetite and jasper-bearing iron formation float occur 1.8 and 4.2 kilometres northwest along strike from the Fetish showing. An area of extensive subcropping magnetite iron formation, very similar to that on the Foot claims, was discovered 8.0 kilometres northwest on the inferred strike extension. In this same area, silt samples were collected that are highly anomalous in copper, zinc and barium (Figure 6). The importance of the iron formation is based on the common occurrence of iron formation (or jasper) on the hanging wall of massive sulphide deposits in general. More importantly, however, is the base metal mineralization at the Kona occurrence, 35 kilometres to the south, which occurs as a sulphide facies within an extensive magnetite iron formation. Samples of iron formation from and in the area of the Foot claims were generally low in base metal concentrations, however there are some notable relationships. Samples in the area of the Fetish showing display no interelement relationships but, the footwall iron formation contains higher concentrations of copper and molybdenum, relative to the hanging wall iron formation. Sample 509313 contains the highest concentrations in copper molybdenum and zinc.

## 9.0 SOIL GEOCHEMISTRY

Soil geochemistry was conducted beyond the extent of the 1973 and 1974 Archer, Cathro soil grid. The objective of the survey was to determine if the anomalous zone defined by Archer, Cathro (Figure 4) extended beyond the extent of their survey. As a check of the reproducibility of the Archer, Cathro grid anomalies 6 samples were collected nearest as could be determined to line 2000 NW from station 200 SW to station 200 NE. Results showed a relatively good agreement and most importantly, the same trend. A total of 108 soil samples were collected on six lines. Lines were oriented perpendicular to the claim line at opposite ends of the claim group. Three 300 metre long lines, at 200 metre spacing were sampled at the southeast end of the property and two approximately 1500 metre long lines, at 450 metre spacing were sampled at the northwest end of the claims (Figure 4). Samples were collected at 50 metre intervals. Simple statistics were determined on the soil data and anomalous thresholds were defined based on percentiles as shown below.

**TABLE 9.0.1**  
**FOOT SOIL GEOCHEMICAL THRESHOLD LEVELS**

<b>PERCENTILE</b>	<b>Cu (ppm)</b>	<b>Pb (ppm)</b>	<b>Zn (ppm)</b>
95th	118	42	210
90th	92	30	162
85th	82	22	130
80th	75	18	110

Copper, lead, zinc and barium generally show a positive correlation although some high copper values, associated with mafic volcanics (Line 3350E, north end) are not associated with high lead and zinc. Arsenic shows a weak positive correlation with copper-lead-zinc-barium. Soil samples that were anomalous (80th percentile or above) in either copper, lead or zinc are plotted on figure 4. Line 6500 E returned several anomalous copper values and one anomalous in both copper and lead that lie on the strike projection of the Fetish zone. The poor response of soils (Cu<50 ppm) on lines 6700 and 6900 E may be a result of increasing overburden depth and swampy ground. Line 3350 E returned several anomalous results of Cu-Zn and a few of Cu-Pb-Zn. Line 2900 E returned only two anomalous samples. Overburden on this line was noticeably deeper at the northeast end of the line, possibly masking results. Results from the reconnaissance lines indicate that the geochemical trends defined by the Archer, Cathro work persist along strike to the northwest, perhaps beyond line 2900 E.

## 10.0 SILT GEOCHEMISTRY

A total of 48 silt samples were taken targeting streams draining the stratigraphy hosting the Fetish showing (Figure 4, 6).

Anomalous thresholds for stream sediments are based on those determined for the government regional silt sample surveys (GSC, Open file 1648). The 90th percentile thresholds for copper, lead and zinc are 54 ppm, 33 ppm and 322 ppm, respectively. Sampling results from streams on the property confirmed the soil geochemistry results and indicated anomalous copper, lead and zinc downstream from the Fetish showing and the favourable stratigraphy along strike. The streams northwest of the claims were highly anomalous in copper, lead, zinc and barium (MBSLT93-48; Cu 937, Pb 184, Zn 3940, Ba 310). Outcrop in these drainages was scarce, but angular float of magnetite iron formation was found indicating presence of the Fetish stratigraphy. A small plug of Cretaceous feldspar megacrystic porphyry altered by quartz-sericite-pyrite, lies to the west of silt MBSLT93-48. It is possible that this intrusive and associated sulphide mineralization may be responsible for the anomalous silt results, however, a rock sample of the pyrite mineralized porphyry (#509312) did not contain anomalous base metal or barium concentrations. In addition, the iron formation sample (#509313) containing the highest concentration of copper, molybdenum and zinc was taken near silt sample MBSLT93-48.


#### 11.0 CONCLUSIONS AND RECOMMENDATIONS

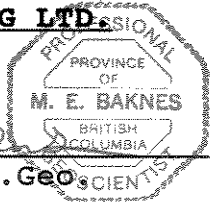
Soil and silt sample results suggest that base metal mineralization related to that in the area of the Fetish showing persists for at least 2 kilometres along strike to the northwest. Silt samples up to 10 kilometres to the northwest are also strongly anomalous in base metals and barium, indicating potential beyond the present claims. Mineralization at the Fetish showing, as evidenced on surface and in drill holes, consists of low grade concentrations of foliation-parallel, banded chalcopyrite and sphalerite in a chlorite talc schist unit. The mineralized chlorite talc schist unit is structurally overlain by siliceous units including magnetite iron formation, which can be discontinuously traced over 8 kilometres to the northwest. The magnetite iron formation and associated cherts are thought to represent iron and silica-rich exhalative horizons. The chlorite talc schist unit might represent a magnesium metasomatized lithology similar to footwall metasomatized zones observed in footwall lithologies in many VMS deposits. Mineralized quartz veins and the low grade base metal mineralization of the Fetish showing are interpreted to be a footwall stockwork zone, with a possible exhalative component. However, the grade and extent of mineralization was not sufficiently concentrated at this location to produce an economic deposit.

In addition to the permissive stratigraphy on the Foot claims, government aerial magnetic surveys, silt geochemistry and mapping indicate that the magnetite iron formation, and therefore favourable stratigraphy, are regionally extensive. It is conceivable that other localities along strike may have better

potential than the present claim group. This is exemplified at the Kona property where iron formation is traceable for at least 1700 metres, but only portions of this strike length contain significant accumulations of base metal sulphides. Further work on the claims should not be completed until an evaluation of the areas along strike to the northwest is completed. An initial evaluation should include silt sampling of drainages crossing the favourable stratigraphy as far as it can be traced, or as far as the aeromagnetic anomalies occur. The possibility of obtaining access to the airborne geophysical data collected by Esso Minerals Ltd. should also be pursued.

Respectfully submitted,  
**EQUITY ENGINEERING LTD.**

  
Mark E. Baknes, P. Geoscientist



Vancouver, British Columbia  
March, 1994

**APPENDIX A**

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**APPENDIX B**

**LIST OF PERSONNEL**

LIST OF PERSONNEL

Mark E. Baknes (Sr. Geologist)  
207, 675 West Hastings Street  
Vancouver, B.C. V6B 1N2

Tom Bell (Sr. Prospector)  
207, 675 West Hastings Street  
Vancouver, B.C. V6B 1N2

**APPENDIX C**

**STATEMENT OF EXPENDITURES**



And I make this solemn declaration conscientiously believing it to be true and knowing that it is of the same force and effect as if made under oath and by virtue of the Canada Evidence Act.

Declared before me at Vancouver in )  
the Province of British Columbia this )  
30<sup>th</sup> day of March, 1994 )

D E Baker

H. S. ...

A Commissioner for Oaths for, or  
Notary Public for the Yukon Territory

## APPENDIX D

### ROCK SAMPLE DESCRIPTIONS

#### MINERALS AND ALTERATION TYPES

AB	albite	AD	adularia	AK	ankerite
AS	arsenopyrite	AZ	azurite	BA	barite
BI	biotite	BO	bornite	BR	brannerite
CA	calcite	CB	Fe-carbonate	CC	chalcocite
CL	chlorite	CO	cobaltite	CP	chalcopyrite
CY	clay	DI	diopside	DO	dolomite
EP	epidote	ER	erythrite	GA	garnet
GE	goethite	GL	galena	GR	graphite
HE	hematite	HS	specularite	JA	jarosite
KF	potassium feldspar	MC	malachite	MG	magnetite
MN	Mn-oxides	MR	mariposite	MS	muscovite/sericite
NE	neotocite	PO	pyrrhotite	PY	pyrite
QZ	quartz	SI	silica	SP	sphalerite
TT	tetrahedrite				

#### ALTERATION INTENSITIES

m	medium	s	strong	tr	trace
vs	very strong	vw	very weak	w	weak

Property : FOOT

NTS : 105G/8

Date : March 22, 1994

Sample No.	UTM :	6814 295 N	Type :	Float	Alteration :	wCL, wMS, wQZ	Au	Ag	Cu	Mo	Pb	Zn
		437 160 E	Strike Length Exp. :	m	Metallics :	3%PO	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
358394	Elevation:	1345 m	Sample Width :	m	Secondaries:	sGE	<5	<0.2	127.	3.	2.	90.
	Orientation:	/	True Width :	m	Host :	Pale green gossanous phyllite						

Comments : 50x40x20cm angular boulder. Gossanous, pale green phyllite with 2-3% 1-3mm disseminated blebs of pyrrhotite.

Sample No.	UTM :	6814 070 N	Type :	Float	Alteration :	None	Au	Ag	Cu	Mo	Pb	Zn
		437 280 E	Strike Length Exp. :	m	Metallics :	3%HS, 5%MG, 1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
358395	Elevation:	1295 m	Sample Width :	m	Secondaries:	20%HE	<5	<0.2	25.	6.	<2	66.
	Orientation:	/	True Width :	m	Host :	Cobble of jasperoid and magnetite						

Comments : 15x15x15cm subangular cobble of jasperoid and magnetite. May be fragmental; jasperoid appears to be framboidal with interstitial magnetite and specular hematite. Also minor cubes of pyrite.

Sample No.	UTM :	6810 782 N	Type :	Float	Alteration :	wMS, mQZ	Au	Ag	Cu	Mo	Pb	Zn
		439 986 E	Strike Length Exp. :	m	Metallics :	2%PY, 0.1%SP, 0.2%CV	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
358396	Elevation:	1465 m	Sample Width :	m	Secondaries:	wGE	25.	5.8	122.	23.	1420.	152.
	Orientation:	/	True Width :	m	Host :	Weakly gossanous sericitic quartzite						

Comments : Sub-outcrop in amongst subcrop of magnetite iron formation, weakly gossanous fine-grained sericitic quartzite or silica exhalite with 2% fine-grained weakly banded pyrite and a trace of covellite coating, pyrite and a possible trace of sphalerite.

Sample No.	UTM :	6811 050 N	Type :	Grab	Alteration :	wCA, wCL, wEP	Au	Ag	Cu	Mo	Pb	Zn
		440 360 E	Strike Length Exp. :	m	Metallics :	None	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
358397	Elevation:	1500 m	Sample Width :	m	Secondaries:	None	<5	<0.2	17.	<1	8.	58.
	Orientation:	/	True Width :	m	Host :	Medium green massive volcanic						

Comments : Medium to fine-grained massive pale green andesite? Moderate green-schist metamorphism. Sample for whole rock.

Sample No.	UTM :	6811 590 N	Type :	Grab	Alteration :	mMS, mQZ	Au	Ag	Cu	Mo	Pb	Zn
		439 820 E	Strike Length Exp. :	m	Metallics :	None	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
358398	Elevation:	1420 m	Sample Width :	m	Secondaries:	wGE	<5	<0.2	26.	<1	8.	44.
	Bedding :	125 / 27 N	True Width :	m	Host :	Sericite quartz schist						

Comments : Within sequence of grey phyllite, approximately 3m thickness of sericite quartz schist with minor oxidized pyrite boxwork. Similar material noted in base of grey phyllite above DDH F-2.

Sample No.	UTM :	6812 110 N	Type :	Float	Alteration :	None	Au	Ag	Cu	Mo	Pb	Zn
		438 760 E	Strike Length Exp. :	m	Metallics :	5%HS, 50%MG, 1%PY, SP?	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
358399	Elevation:	1310 m	Sample Width :	m	Secondaries:	None	<5	<0.2	1.	1.	<2	30.
	Orientation:	/	True Width :	m	Host :	Massive magnetite with specularite and jasper						

Comments : 3x3x2m angular boulder of fine-grained black magnetite or silica. 5% jasper as wispy beds, also fine-grained specular hematite and minor disseminated cubes of pyrite.

Property : FOOT

NTS : 105G/8

Date : March 22, 1994

Sample No. UTM : 6810 875 N Type : Grab Alteration : None Au Ag Cu Mo Pb Zn  
 358400 439 960 E Strike Length Exp. : 2 m Metallics : 0.3%CP, 5%MG, 3%PY, 1%SP? (ppb) (ppm) (ppm) (ppm) (ppm) (ppm)  
 Elevation: 1390 m Sample Width : m Secondaries: WCC, WGE <5 <0.2 87. 9. <2 100.  
 Bedding : 124 / 35 N True Width : m Host : Fine-grained quartzite

Comments : Magnetite-bearing quartzite/exhalite. Clean quartzite with minor biotite, muscovite, with 4-7%, 0.5-2mm blebs and euhedral crystals of magnetite, some partly replaced by pyrite. Possible sphalerite, CP trace intergrown with

Sample No. UTM : 6810 725 N Type : Chip Alteration : WMS Au Ag Cu Mo Pb Zn  
 509301 439 960 E Strike Length Exp. : 15 m Metallics : 4%MG, 0.5%PY (ppb) (ppm) (ppm) (ppm) (ppm) (ppm)  
 Elevation: 1380 m Sample Width : 2 m Secondaries: WGE <5 0.4 28. 6. <2 48.  
 Bedding : 133 / 32 N True Width : 2 m Host : Magnetite-bearing quartzite/exhalite

Comments : Similar to 358400, clean fine-grained quartzite with 3-4% magnetite as fine-grains (subhedral) concentrated in thin bands, minor euhedral 0.5-1mm pyrite. Possible trace of sphalerite, on trend with lower banded iron formation.

Sample No. UTM : 6810 792 N Type : Chip Alteration : WMS Au Ag Cu Mo Pb Zn  
 509302 439 882 E Strike Length Exp. : 3 m Metallics : 7%MG, 1%PY, SP? (ppb) (ppm) (ppm) (ppm) (ppm) (ppm)  
 Elevation: 1380 m Sample Width : 140 cm Secondaries: WGE 75. 0.4 10. 16. 32. 86.  
 Bedding : 120 / 31 N True Width : 140 cm Host : Magnetite-bearing quartzite/exhalite?

Comments : Similar to 509301, 4-5% magnetite fine-grained disseminated and as wispy 1-4mm massive bands in quartzite/exhalite. Pyrite minor, between 30cm chip is clean quartzite with sericite partings, and gossanous boxwork.

Sample No. UTM : 6810 750 N Type : Float Alteration : None Au Ag Cu Mo Pb Zn  
 509303 440 060 E Strike Length Exp. : m Metallics : 70%MG, 2%PY, SP? (ppb) (ppm) (ppm) (ppm) (ppm) (ppm)  
 Elevation: 1390 m Sample Width : m Secondaries: sGE <5 0.6 17. 8. <2 114.  
 Orientation: / True Width : m Host : Massive magnetite iron formation

Comments : Massive fine to medium-grained magnetite faintly banded with interstitial quartz/exhalite, pyrite 1-2% disseminated 1-2mm blebs. Angular boulder, abundant - likely subcrop of upper banded iron formation.

Sample No. UTM : 6810 665 N Type : Chip Alteration : None Au Ag Cu Mo Pb Zn  
 509304 440 022 E Strike Length Exp. : 5 m Metallics : 50%MG, 2%PY (ppb) (ppm) (ppm) (ppm) (ppm) (ppm)  
 Elevation: 1370 m Sample Width : 160 cm Secondaries: WGE, WMC, SM? <5 0.4 31. 17. <2 166.  
 Bedding : 130 / 27 N True Width : 160 cm Host : Banded magnetite iron formation

Comments : Good exposure of magnetite iron formation, variable fine-grained magnetite in siliceous matrix with minor disseminated pyrite and 20-70% magnetite. 15cm section is coarser magnetite in quartz matrix with gossan, trace malachite and possible smithsonite.

Sample No. UTM : 6810 663 N Type : Chip Alteration : WCA Au Ag Cu Mo Pb Zn  
 509305 440 022 E Strike Length Exp. : 3 m Metallics : 0.1%CP, 50%MG, 3%PY, 2%SP? (ppb) (ppm) (ppm) (ppm) (ppm) (ppm)  
 Elevation: 1370 m Sample Width : 20 cm Secondaries: mGE, WMC, WSM? <5 0.0 4. 10. <2 142.  
 BeddingOri: 130 / 27 N True Width : 20 cm Host : Magnetite iron formation

Comments : 20cm section within middle of sample 509304. Rusty section with banded 40-60% fine-grained magnetite and 4% medium-grained pyrite. May be 2-3% honey coloured sphalerite or Fe-carbonate, also trace of malachite.

Property : FOOT

NTS : 105G/8

Date : March 22, 1994

Sample No. UTM : 6810 547 N Type : Float Alteration : wCA Au Ag Cu Mo Pb Zn  
 440 215 E Strike Length Exp. : m Metallics : 80%MG, 2%PY (ppb) (ppm) (ppm) (ppm) (ppm) (ppm)  
 509306 Elevation: 1380 m Sample Width : m Secondaries: wGE <5 <0.2 7. 9. <2 72.  
 Orientation: / True Width : m Host : Massive banded magnetite iron formation  
 Comments : >70% f-g banded magnetite w. minor interstitial silica, 2-3% pyrite f-g disseminated in bands & as 1mm euhedra. Angular float, likely from "upper" BIF\* Have not seen upper BIF in outcrop, is poss. that glacial float train along margin of esker/drumlin.

Sample No. UTM : 6810 505 N Type : Chip Alteration : wCA, sCL, wMS, mQZ Au Ag Cu Mo Pb Zn  
 440 135 E Strike Length Exp. : 25 m Metallics : None (ppb) (ppm) (ppm) (ppm) (ppm) (ppm)  
 509307 Elevation: 1365 m Sample Width : 4 m Secondaries: wGE, mMC, mMN <5 1.2 764. 1. 76. 3220.  
 Bedding : 130 / 36 N True Width : 4 m Host : Chlorite quartz talc schist  
 Comments : 25x20m kill zone? Similar to one at camp. Outcrop & talus of quartz chlorite talc schist with minor MC stain, some oxidized boxwork after PY? and FeCB. May be Mg metasomatism of phyl? or volcanic? also QZ knots.

Sample No. UTM : 6810 238 N Type : Chip Alteration : wMS Au Ag Cu Mo Pb Zn  
 440 512 E Strike Length Exp. : 10 m Metallics : 1%PY (ppb) (ppm) (ppm) (ppm) (ppm) (ppm)  
 509308 Elevation: 1360 m Sample Width : 4 m Secondaries: wGE, wJA <5 0.4 37. <1 4. 76.  
 Bedding : 150 / 27 N True Width : 4 m Host : Clean fine-grained quartzite/exhalite?  
 Comments : Location of AC "Galena sulfosalt showing". No visible sulphides except for pyrite and trace of coarse cubic galena. Clean quartzite-chert with up to 5% leached jarosite & goethite with bands containing vestiges of pyrite. Placer Dome? flag VMS B27

Sample No. UTM : 6810 262 N Type : Chip Alteration : mCA Au Ag Cu Mo Pb Zn  
 440 578 E Strike Length Exp. : 25 m Metallics : 20%MG, 2%PY (ppb) (ppm) (ppm) (ppm) (ppm) (ppm)  
 509309 Elevation: 1380 m Sample Width : 2 m Secondaries: wGE, wHE <5 <0.2 18. 8. <2 128.  
 Orientation: 122 / 34 N True Width : 2 m Host : Banded magnetite iron formation  
 Comments : 15-30% banded fine to medium-grained magnetite with matrix of quartzite and Fe-carbonate. Pyrite as 1-2mm coarse crystals. Notable decrease in total magnetite and increase in Fe-carbonate from exposures to west.

Sample No. UTM : 6810 520 N Type : Float Alteration : wCA Au Ag Cu Mo Pb Zn  
 440 257 E Strike Length Exp. : 25 m Metallics : 60%MG, 2%PY, SP? (ppb) (ppm) (ppm) (ppm) (ppm) (ppm)  
 509310 Elevation: 1385 m Sample Width : 200 cm Secondaries: wGE 15. <0.2 5. 10. <2 158.  
 Bedding : 130 / 29 N True Width : 140 cm Host : Massive banded magnetite  
 Comments : Well banded magnetite banded iron formation with 2-3% coarse and fine-grained pyrite, matrix and bands of silica and minor Fe-carbonate (possible trace of sphalerite).

Sample No. UTM : 6810 598 N Type : Grab Alteration : wCA, sCL, wQZ, sTA Au Ag Cu Mo Pb Zn  
 439 998 E Strike Length Exp. : m Metallics : None (ppb) (ppm) (ppm) (ppm) (ppm) (ppm)  
 509311 Elevation: 1350 m Sample Width : m Secondaries: wMC 20. 3.2 7321. 3. 64. 950.  
 Orientation: / True Width : m Host : Quartz chlorite talc schist  
 Comments : Very similar to sample 509307.

Property : FOOT

NTS : 105G/8

Date : March 22, 1994

Sample No.	UTM :	6816 800 N	Type :	Grab	Alteration :	mCA, mMS, mQZ	Au	Ag	Cu	Mo	Pb	Zn
		433 800 E		Strike Length Exp. :		>100 m	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
509312	Elevation:	1520 m		Sample Width :		m	<5	0.4	53.	2.	40.	44.
	Fault :	117 / 30 N		True Width :		m	Host : Sheared mega feldspar porphyry					

Comments : Sheared section of feldspar porphyry, 2-10mm euhedral feldspar phenocrysts in light grey groundmass. Shear >10m thick with >2% pyrite (often leached) in fissile foliated intrusive.

Sample No.	UTM :	6816 450 N	Type :	Float	Alteration :	mCA	Au	Ag	Cu	Mo	Pb	Zn
		434 450 E		Strike Length Exp. :		m	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
509313	Elevation:	1525 m		Sample Width :		m	<5	<0.2	40.	17.	<2	268.
	Orientation:	/		True Width :		m	Host : Banded magnetite iron formation					

Comments : Angular float of banded iron formation, silica and Fe-carbonate matrix, minor disseminated pyrite.

Sample No.	UTM :	6810 260 N	Type :	Grab	Alteration :	sSI	Au	Ag	Cu	Mo	Pb	Zn
		440 582 E		Strike Length Exp. :		5-7 m	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
509477	Elevation:	1390 m		Sample Width :		1 m	<5	<0.2	3.	15.	<2	66.
	Bedding :	080 / 35 NW		True Width :		1 m	Host : Banded iron formation within quartz schist					

Comments : Iron formation 1 metre thick.

Sample No.	UTM :	6809 980 N	Type :	Grab	Alteration :	None	Au	Ag	Cu	Mo	Pb	Zn
		443 205 E		Strike Length Exp. :		5 m	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
509478	Elevation:	1430 m		Sample Width :		30 cm	<5	<0.2	129.	<1	<2	60.
	Faulting :	010 / V		True Width :		30 cm	Host : Altered Phyllite					

Comments :

Sample No.	UTM :	6810 055 N	Type :	Grab	Alteration :	sBI, sSI	Au	Ag	Cu	Mo	Pb	Zn
		443 320 E		Strike Length Exp. :		5 m	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
509479	Elevation:	1450 m		Sample Width :		50 cm	<5	<0.2	320.	1.	<2	88.
	Faulting :	345 / 60 NW		True Width :		50 cm	Host : Biotite Altered Phyllite					

Comments : Sample of quartz stringers in phyllite

Sample No.	UTM :	6810 740 N	Type :	Float	Alteration :	sQZ	Au	Ag	Cu	Mo	Pb	Zn
		442 520 E		Strike Length Exp. :		m	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
509480	Elevation:	1510 m		Sample Width :		m	<5	<0.2	41.	2.	<2	20.
	Orientation:	/		True Width :		m	Host : Banded Iron Formation					

Comments :

**APPENDIX E**

**CERTIFICATES OF ANALYSIS**



# Chemex Labs Ltd.

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

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.  
VANCOUVER, BC  
V6B 1N2

A9321464

Comments: ATTN: MARK BAKNES CC: PETER DELANCEY

**CERTIFICATE**

**A9321464**

EQUITY ENGINEERING LTD.

Project: ATN93-03 FOOT  
P.O. #:

Samples submitted to our lab in Vancouver, BC.  
This report was printed on 26-SEP-93.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	156	Dry, sieve to -80 mesh
202	156	save reject
229	156	ICP - AQ Digestion charge

\* NOTE 1:

The 32 element ICP package is suitable for trace metals in soil and rock samples. Elements for which the nitric-aqua regia digestion is possibly incomplete are: Al, Ba, Be, Ca, Cr, Ga, K, La, Mg, Na, Sr, Ti, Tl, W.

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	156	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
2118	156	Ag ppm: 32 element, soil & rock	ICP-AES	0.2	200
2119	156	Al %: 32 element, soil & rock	ICP-AES	0.01	15.00
2120	156	As ppm: 32 element, soil & rock	ICP-AES	2	10000
2121	156	Ba ppm: 32 element, soil & rock	ICP-AES	10	10000
2122	156	Be ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2123	156	Bi ppm: 32 element, soil & rock	ICP-AES	2	10000
2124	156	Ca %: 32 element, soil & rock	ICP-AES	0.01	15.00
2125	156	Cd ppm: 32 element, soil & rock	ICP-AES	0.5	100.0
2126	156	Co ppm: 32 element, soil & rock	ICP-AES	1	10000
2127	156	Cr ppm: 32 element, soil & rock	ICP-AES	1	10000
2128	156	Cu ppm: 32 element, soil & rock	ICP-AES	1	10000
2150	156	Fe %: 32 element, soil & rock	ICP-AES	0.01	15.00
2130	156	Ga ppm: 32 element, soil & rock	ICP-AES	10	10000
2131	156	Hg ppm: 32 element, soil & rock	ICP-AES	1	10000
2132	156	K %: 32 element, soil & rock	ICP-AES	0.01	10.00
2151	156	La ppm: 32 element, soil & rock	ICP-AES	10	10000
2134	156	Mg %: 32 element, soil & rock	ICP-AES	0.01	15.00
2135	156	Mn ppm: 32 element, soil & rock	ICP-AES	5	10000
2136	156	Mo ppm: 32 element, soil & rock	ICP-AES	1	10000
2137	156	Na %: 32 element, soil & rock	ICP-AES	0.01	5.00
2138	156	Ni ppm: 32 element, soil & rock	ICP-AES	1	10000
2139	156	P ppm: 32 element, soil & rock	ICP-AES	10	10000
2140	156	Pb ppm: 32 element, soil & rock	ICP-AES	2	10000
2141	156	Sb ppm: 32 element, soil & rock	ICP-AES	2	10000
2142	156	Sc ppm: 32 elements, soil & rock	ICP-AES	1	10000
2143	156	Sr ppm: 32 element, soil & rock	ICP-AES	1	10000
2144	156	Ti %: 32 element, soil & rock	ICP-AES	0.01	5.00
2145	156	Tl ppm: 32 element, soil & rock	ICP-AES	10	10000
2146	156	U ppm: 32 element, soil & rock	ICP-AES	10	10000
2147	156	V ppm: 32 element, soil & rock	ICP-AES	1	10000
2148	156	W ppm: 32 element, soil & rock	ICP-AES	10	10000
2149	156	Zn ppm: 32 element, soil & rock	ICP-AES	2	10000



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 Account : EIA

Project : ATN93-03 FOOT  
 Comments : ATTN: MARK BAKNES CC: PETER DELANCEY

## CERTIFICATE OF ANALYSIS A9321464

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L2000NW 200NE	201	202	10	7.2	2.03	22	390	< 0.5	< 2	0.14	0.5	9	40	66	3.89	< 10	< 1	0.04	< 10	0.78	285
L2000NW 400NE	201	202	10	0.2	1.37	16	230	< 0.5	< 2	0.06	< 0.5	9	36	38	4.49	< 10	< 1	0.03	< 10	0.62	375
L2000NW 600NE	201	202	< 5	< 0.2	0.95	10	250	< 0.5	< 2	0.01	< 0.5	6	18	128	4.52	< 10	< 1	0.03	10	0.23	110
L2000NW 800NE	201	202	40	0.2	2.50	14	2420	< 0.5	< 2	0.22	< 0.5	14	69	37	4.48	< 10	< 1	0.06	< 10	0.91	430
L2000NW 000SW	201	202	< 5	0.2	1.67	10	550	< 0.5	< 2	0.21	1.0	10	49	126	3.66	< 10	< 1	0.05	10	0.85	395
L2000NW 200SW	201	202	25	2.6	1.92	36	580	< 0.5	< 2	0.26	1.5	12	42	190	4.07	< 10	< 1	0.06	10	0.85	380
L2900E 4750N	201	202	< 5	< 0.2	1.85	2	320	< 0.5	< 2	0.79	< 0.5	14	75	39	2.86	< 10	< 1	0.04	10	1.29	440
L2900E 4800N	201	202	< 5	< 0.2	1.51	10	340	< 0.5	< 2	0.66	< 0.5	14	63	35	2.54	< 10	< 1	0.06	10	0.99	485
L2900E 4850N	201	202	< 5	< 0.2	1.88	< 2	490	< 0.5	< 2	0.76	< 0.5	16	82	48	3.08	< 10	< 1	0.04	10	1.37	520
L2900E 4900N	201	202	< 5	< 0.2	2.01	6	310	< 0.5	< 2	0.66	< 0.5	16	89	50	3.52	< 10	< 1	0.06	< 10	1.36	550
L2900E 4950N	201	202	< 5	< 0.2	1.29	8	340	< 0.5	< 2	0.49	< 0.5	11	49	33	2.39	< 10	< 1	0.05	10	0.77	475
L2900E 5000N	201	202	< 5	< 0.2	1.54	6	300	< 0.5	< 2	0.46	< 0.5	10	54	29	2.47	< 10	< 1	0.06	10	0.77	385
L2900E 5050N	201	202	10	0.2	2.52	10	400	< 0.5	< 2	0.53	0.5	17	90	47	3.91	< 10	< 1	0.07	10	1.33	530
L2900E 5100N	201	202	10	< 0.2	1.57	12	200	< 0.5	< 2	0.26	< 0.5	8	42	22	2.70	< 10	< 1	0.13	10	0.76	265
L2900E 5200N	201	202	15	< 0.2	1.39	2	220	< 0.5	< 2	0.52	< 0.5	9	53	32	2.19	< 10	< 1	0.03	10	0.83	315
L2900E 5250N	201	202	< 5	0.2	1.40	6	250	< 0.5	< 2	0.48	< 0.5	10	57	30	2.50	< 10	< 1	0.04	10	0.92	315
L2900E 5300N	201	202	15	< 0.2	1.17	6	190	< 0.5	< 2	0.20	0.5	11	30	26	3.21	< 10	< 1	0.05	10	0.52	425
L2900E 5350N	201	202	< 5	< 0.2	1.11	2	210	< 0.5	< 2	0.23	0.5	7	21	20	2.48	< 10	< 1	0.04	10	0.39	215
L2900E 5400N	201	202	< 5	0.2	1.07	4	230	< 0.5	< 2	0.26	0.5	9	33	21	2.46	< 10	< 1	0.05	10	0.49	310
L2900E 5450N	201	202	< 5	0.2	1.82	16	450	< 0.5	< 2	0.26	< 0.5	11	43	33	3.27	< 10	< 1	0.06	10	0.71	320
L2900E 5500N	201	202	< 5	0.2	1.36	< 2	220	< 0.5	< 2	0.26	< 0.5	9	27	24	2.68	< 10	< 1	0.05	10	0.61	295
L2900E 5550N	201	202	15	0.6	1.73	16	240	< 0.5	< 2	0.24	< 0.5	13	41	36	4.81	< 10	< 1	0.05	10	0.84	500
L2900E 5600N	201	202	< 5	< 0.2	2.13	< 2	780	< 0.5	< 2	0.36	< 0.5	17	58	66	4.26	< 10	< 1	0.05	< 10	1.09	410
L2900E 5650N	201	202	< 5	0.2	1.88	8	190	< 0.5	< 2	0.31	< 0.5	12	56	35	3.95	< 10	< 1	0.04	< 10	0.97	390
L2900E 5700N	201	202	< 5	0.4	1.91	18	220	< 0.5	< 2	0.33	< 0.5	13	53	37	4.10	< 10	< 1	0.05	10	0.91	430
L2900E 5750N	201	202	< 5	< 0.2	2.10	10	310	< 0.5	< 2	0.43	< 0.5	16	63	40	4.16	< 10	< 1	0.07	10	1.14	500
L2900E 5800N	201	202	< 5	< 0.2	2.14	2	160	< 0.5	< 2	0.56	< 0.5	17	63	40	3.74	< 10	< 1	0.04	< 10	1.19	500
L2900E 5850N	201	202	< 5	0.6	2.69	4	280	< 0.5	< 2	0.23	< 0.5	14	97	37	4.50	< 10	< 1	0.05	< 10	1.29	555
L2900E 5900N	201	202	< 5	< 0.2	0.37	< 2	320	< 0.5	< 2	0.46	4.0	< 1	1	14	0.36	< 10	1	0.02	< 10	0.04	35
L2900E 5950N	201	202	< 5	0.2	1.75	2	130	< 0.5	< 2	0.22	< 0.5	10	47	22	3.51	< 10	< 1	0.09	10	0.78	385
L2900E 6000N	201	202	20	< 0.2	1.33	10	240	< 0.5	< 2	0.39	0.5	13	31	33	2.61	< 10	< 1	0.05	10	0.61	475
L2900E 6050N	201	202	20	0.2	1.00	6	260	< 0.5	< 2	2.16	1.0	13	23	87	1.36	< 10	< 1	0.07	< 10	0.40	835
L2900E 6100N	201	202	< 5	0.2	1.92	8	490	< 0.5	< 2	0.41	< 0.5	19	51	27	4.06	< 10	< 1	0.10	< 10	0.94	1355
L2900E 6150N	201	202	< 5	0.2	2.09	14	260	< 0.5	< 2	0.41	< 0.5	14	56	36	4.18	< 10	< 1	0.06	< 10	1.09	625
L2900E 6200N	201	202	< 5	0.2	2.59	12	500	< 0.5	< 2	0.46	< 0.5	16	68	40	5.00	< 10	< 1	0.06	< 10	1.33	610
L2900E 6250N	201	202	< 5	< 0.2	2.23	4	170	< 0.5	< 2	0.30	< 0.5	14	55	30	4.38	< 10	< 1	0.07	10	1.08	445
L2900E 6300N	201	202	< 5	0.2	1.07	10	250	< 0.5	< 2	0.24	< 0.5	8	28	25	2.26	< 10	< 1	0.07	10	0.38	770
L2900E 6350N	201	202	< 5	0.2	2.09	2	230	< 0.5	< 2	0.24	< 0.5	11	59	29	2.84	< 10	< 1	0.04	10	0.90	440
L2900E 6400N	201	202	< 5	< 0.2	2.14	14	200	< 0.5	< 2	0.48	< 0.5	16	86	30	3.53	< 10	< 1	0.08	10	1.37	830
L3350E 4750N	201	202	< 5	1.4	1.72	2	320	< 0.5	< 2	0.24	1.0	8	40	30	3.00	< 10	< 1	0.03	10	0.59	260

CERTIFICATION: *Hart Buchler*



# Chemex Labs Ltd.

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

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.  
 VANCOUVER, BC  
 V6B 1N2

Page Number : 1-B  
 Total Pages : 4  
 Certificate Date: 26-SEP-93  
 Invoice No. : 19321464  
 P.O. Number :  
 Account : EIA

Project : ATN93-03 FOOT  
 Comments: ATTN: MARK BAKNES CC: PETER DELANCEY

## CERTIFICATE OF ANALYSIS A9321464

SAMPLE	PREP CODE		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
			ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
L2000NW 200NE	201	202	3 < 0.01		21	630	74	2	2	10	0.23	< 10	< 10	67	< 10	194
L2000NW 400NE	201	202	3 < 0.01		23	900	68	< 2	2	8	0.23	< 10	< 10	67	< 10	260
L2000NW 600NE	201	202	7	0.01	31	860	12	< 2	1	3	0.01	< 10	< 10	38	< 10	122
L2000NW 800NE	201	202	3 < 0.01		39	430	24	< 2	3	16	0.25	< 10	< 10	75	< 10	98
L2000NW 000SW	201	202	3	0.01	22	620	78	< 2	2	14	0.23	< 10	< 10	68	< 10	114
L2000NW 200SW	201	202	5	0.01	36	980	152	< 2	2	18	0.13	< 10	< 10	53	< 10	840
L2900E 4750N	201	202	< 1	< 0.01	44	620	4	< 2	6	25	0.26	< 10	< 10	71	< 10	80
L2900E 4800N	201	202	1	< 0.01	41	730	12	< 2	5	22	0.19	< 10	< 10	59	< 10	74
L2900E 4850N	201	202	< 1	< 0.01	54	690	12	< 2	6	22	0.23	< 10	< 10	73	< 10	74
L2900E 4900N	201	202	2	0.01	56	690	10	< 2	6	18	0.24	< 10	< 10	82	< 10	90
L2900E 4950N	201	202	1	0.01	33	620	4	< 2	3	18	0.14	< 10	< 10	50	< 10	64
L2900E 5000N	201	202	1	< 0.01	33	520	12	< 2	3	19	0.16	< 10	< 10	57	< 10	60
L2900E 5050N	201	202	1	< 0.01	64	390	18	< 2	6	20	0.22	< 10	< 10	84	< 10	102
L2900E 5100N	201	202	2	< 0.01	24	750	14	< 2	4	11	0.14	< 10	< 10	46	< 10	66
L2900E 5200N	201	202	< 1	< 0.01	31	480	12	< 2	3	20	0.18	< 10	< 10	55	< 10	60
L2900E 5250N	201	202	2	0.01	34	620	8	< 2	3	26	0.19	< 10	< 10	62	< 10	78
L2900E 5300N	201	202	2	< 0.01	21	1930	16	< 2	2	41	0.12	< 10	< 10	65	< 10	92
L2900E 5350N	201	202	3	0.01	17	870	18	< 2	2	34	0.14	< 10	< 10	57	< 10	100
L2900E 5400N	201	202	3	0.01	20	1010	18	< 2	2	37	0.14	< 10	< 10	55	< 10	98
L2900E 5450N	201	202	2	< 0.01	32	630	22	< 2	3	23	0.17	< 10	< 10	59	< 10	162
L2900E 5500N	201	202	2	< 0.01	22	480	14	< 2	2	28	0.20	< 10	< 10	66	< 10	100
L2900E 5550N	201	202	3	< 0.01	28	1540	12	< 2	3	17	0.20	< 10	< 10	97	< 10	144
L2900E 5600N	201	202	2	< 0.01	46	300	10	< 2	3	13	0.36	< 10	< 10	77	< 10	188
L2900E 5650N	201	202	2	< 0.01	29	600	18	< 2	3	16	0.32	< 10	< 10	83	< 10	90
L2900E 5700N	201	202	3	< 0.01	29	690	14	< 2	3	21	0.32	< 10	< 10	86	< 10	100
L2900E 5750N	201	202	1	< 0.01	37	290	10	< 2	4	20	0.38	< 10	< 10	93	< 10	110
L2900E 5800N	201	202	< 1	0.01	30	550	8	< 2	4	15	0.38	< 10	< 10	87	< 10	78
L2900E 5850N	201	202	1	< 0.01	46	330	14	< 2	5	15	0.33	< 10	< 10	85	< 10	90
L2900E 5900N	201	202	< 1	0.08	23	180	< 2	< 2	< 1	26	0.02	< 10	< 10	9	< 10	486
L2900E 5950N	201	202	2	< 0.01	23	690	16	< 2	3	12	0.22	< 10	< 10	68	< 10	110
L2900E 6000N	201	202	2	0.01	19	370	14	< 2	2	23	0.23	< 10	< 10	63	< 10	98
L2900E 6050N	201	202	1	0.03	16	790	16	< 2	2	53	0.09	< 10	< 10	33	< 10	78
L2900E 6100N	201	202	1	< 0.01	28	890	14	< 2	3	18	0.26	< 10	< 10	87	< 10	98
L2900E 6150N	201	202	2	0.01	34	880	18	< 2	4	16	0.27	< 10	< 10	84	< 10	88
L2900E 6200N	201	202	1	< 0.01	39	560	10	< 2	5	20	0.35	< 10	< 10	109	< 10	76
L2900E 6250N	201	202	1	< 0.01	32	930	14	< 2	4	17	0.25	< 10	< 10	100	< 10	68
L2900E 6300N	201	202	1	0.01	16	690	16	< 2	2	13	0.22	< 10	< 10	65	< 10	64
L2900E 6350N	201	202	1	0.01	33	390	12	< 2	3	10	0.17	< 10	< 10	66	< 10	54
L2900E 6400N	201	202	< 1	0.01	53	260	18	< 2	4	15	0.24	< 10	< 10	70	< 10	82
L3350E 4750N	201	202	3	< 0.01	27	700	34	< 2	2	17	0.15	< 10	< 10	51	< 10	192

CERTIFICATION:

*Hunter Buchler*



# Chemex Labs Ltd.

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

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.  
 VANCOUVER, BC  
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Page Number : 2-A  
 Total Pages : 4  
 Certificate Date: 26-SEP-93  
 Invoice No. : I9321464  
 P.O. Number :  
 Account : EIA

Project : ATN93-03 FOOT  
 Comments: ATTN: MARK BAKNES CC: PETER DELANCEY

## CERTIFICATE OF ANALYSIS A9321464

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L3350E 4800N	201	202	15	0.4	0.98	8	520	< 0.5	< 2	0.63	2.0	10	26	75	1.95	< 10	< 1	0.09	10	0.39	710
L3350E 4850N	201	202	< 5	< 0.2	1.32	6	170	< 0.5	< 2	0.33	< 0.5	11	28	25	2.29	< 10	< 1	0.07	10	1.01	660
L3350E 4900N	201	202	< 5	0.6	1.69	8	480	< 0.5	< 2	0.53	< 0.5	15	42	58	3.06	< 10	< 1	0.08	10	0.83	485
L3350E 4950N	201	202	< 5	0.6	0.56	6	340	< 0.5	< 2	0.35	0.5	4	18	30	1.03	< 10	< 1	0.05	< 10	0.23	295
L3350E 5000N	201	202	< 5	1.4	1.70	18	780	< 0.5	< 2	0.66	< 0.5	13	44	107	3.28	< 10	< 1	0.07	20	0.79	340
L3350E 5050N	201	202	< 5	2.2	1.60	12	870	< 0.5	< 2	0.56	0.5	13	44	49	2.45	< 10	< 1	0.07	10	0.70	805
L3350E 5100N	201	202	< 5	0.8	1.34	< 2	790	< 0.5	< 2	0.55	1.0	9	44	54	2.23	< 10	< 1	0.06	10	0.68	360
L3350E 5150N	201	202	< 5	0.4	1.50	< 2	390	< 0.5	< 2	0.55	< 0.5	13	50	44	2.83	< 10	< 1	0.05	10	1.01	395
L3350E 5200N	201	202	< 5	1.4	1.01	6	460	< 0.5	< 2	0.15	< 0.5	16	36	41	2.12	< 10	< 1	0.06	< 10	0.32	1655
L3350E 5250N	201	202	< 5	< 0.2	1.98	< 2	530	< 0.5	< 2	0.45	0.5	15	63	82	3.34	< 10	< 1	0.05	10	1.05	520
L3350E 5300N	201	202	< 5	< 0.2	1.46	20	420	< 0.5	< 2	0.26	< 0.5	11	39	75	3.62	< 10	< 1	0.06	10	0.70	425
L3350E 5350N	201	202	< 5	0.2	1.46	6	660	< 0.5	< 2	0.29	< 0.5	12	41	50	2.71	< 10	< 1	0.05	10	0.71	505
L3350E 5400N	201	202	< 5	< 0.2	2.41	2	720	< 0.5	< 2	0.54	< 0.5	25	94	92	4.16	< 10	< 1	0.06	10	1.65	715
L3350E 5450N	201	202	10	0.2	2.23	12	1330	< 0.5	< 2	0.54	< 0.5	21	109	87	3.92	< 10	< 1	0.04	10	1.65	760
L3350E 5500N	201	202	< 5	< 0.2	1.83	10	430	< 0.5	< 2	0.54	< 0.5	15	68	60	3.22	< 10	< 1	0.05	10	1.30	640
L3350E 5550N	201	202	< 5	0.2	1.80	2	500	< 0.5	< 2	0.75	< 0.5	17	58	52	2.95	< 10	< 1	0.06	10	1.04	910
L3350E 5600N	201	202	< 5	< 0.2	2.00	6	480	< 0.5	< 2	0.79	< 0.5	17	58	60	3.01	< 10	< 1	0.06	10	1.14	535
L3350E 5650N	201	202	< 5	< 0.2	2.00	4	340	< 0.5	< 2	0.85	< 0.5	18	62	82	3.22	< 10	< 1	0.09	10	1.30	725
L3350E 5700N	201	202	< 5	< 0.2	1.90	2	180	< 0.5	< 2	0.67	< 0.5	18	65	67	3.06	< 10	< 1	0.08	< 10	1.41	450
L3350E 5750N	201	202	< 5	< 0.2	2.02	< 2	130	< 0.5	< 2	0.85	< 0.5	24	63	78	3.46	< 10	< 1	0.12	< 10	1.61	560
L3350E 5800N	201	202	< 5	< 0.2	1.63	2	420	< 0.5	< 2	0.83	< 0.5	16	49	53	2.78	< 10	< 1	0.06	10	1.08	545
L3350E 5850N	201	202	< 5	0.2	1.92	4	130	< 0.5	4	0.42	< 0.5	18	48	52	4.48	< 10	< 1	0.03	< 10	1.06	690
L3350E 5900N	201	202	< 5	< 0.2	2.17	14	190	< 0.5	< 2	1.36	< 0.5	26	92	67	3.43	< 10	< 1	0.09	< 10	1.66	2440
L3350E 5950N	201	202	< 5	< 0.2	2.35	14	80	< 0.5	< 2	0.95	< 0.5	27	146	68	3.24	< 10	< 1	0.14	< 10	2.21	600
L3350E 6000N	201	202	< 5	< 0.2	2.59	< 2	100	< 0.5	< 2	1.00	< 0.5	29	129	76	3.83	< 10	< 1	0.30	< 10	2.33	550
L3350E 6050N	201	202	< 5	< 0.2	2.08	2	90	< 0.5	6	0.71	< 0.5	24	74	60	3.44	< 10	< 1	0.32	< 10	1.79	525
L3350E 6100N	201	202	< 5	< 0.2	2.05	4	130	< 0.5	< 2	0.86	< 0.5	23	55	88	3.47	< 10	< 1	0.24	< 10	1.49	585
L3350E 6150N	201	202	< 5	< 0.2	2.22	6	110	< 0.5	< 2	0.78	< 0.5	23	37	117	3.94	< 10	< 1	0.14	< 10	1.44	515
L3350E 6200N	201	202	< 5	< 0.2	2.04	< 2	140	< 0.5	< 2	0.76	< 0.5	22	34	97	3.87	< 10	< 1	0.16	< 10	1.38	535
L3350E 6250N	201	202	< 5	< 0.2	1.76	4	120	< 0.5	< 2	1.34	< 0.5	17	30	118	2.89	< 10	< 1	0.20	< 10	1.03	505
L6500E 4750N	201	202	< 5	< 0.2	1.76	6	180	< 0.5	< 2	0.30	< 0.5	16	73	62	2.96	< 10	< 1	0.04	10	1.06	545
L6500E 4800N	201	202	< 5	0.2	1.33	14	300	< 0.5	< 2	0.37	< 0.5	12	51	78	2.81	< 10	< 1	0.07	10	0.77	555
L6500E 4850N	201	202	< 5	< 0.2	1.15	4	110	< 0.5	< 2	0.26	< 0.5	10	35	25	2.50	< 10	< 1	0.04	< 10	0.57	390
L6500E 4900N	201	202	< 5	1.2	1.53	12	950	< 0.5	< 2	1.11	< 0.5	8	34	142	1.44	< 10	< 1	0.03	10	0.28	635
L6500E 4950N	201	202	< 5	1.4	1.23	4	220	< 0.5	< 2	0.48	< 0.5	1	11	84	0.74	< 10	< 1	0.01	30	0.07	125
L6500E 5000N	201	202	< 5	< 0.2	1.97	8	60	< 0.5	< 2	0.26	< 0.5	18	71	53	3.77	< 10	< 1	0.04	< 10	1.27	400
L6500E 5050N	201	202	< 5	0.8	1.76	< 2	120	< 0.5	< 2	0.33	< 0.5	18	63	79	2.90	< 10	< 1	0.06	30	0.97	630
L6500E 5100N	201	202	< 5	< 0.2	2.02	< 2	110	< 0.5	4	0.54	< 0.5	23	66	27	4.63	< 10	< 1	0.67	< 10	1.29	555
L6500E 5150N	201	202	< 5	0.2	2.76	8	250	< 0.5	< 2	0.59	< 0.5	17	30	93	5.11	10	< 1	0.14	20	1.33	2520
L6500E 5200N	201	202	< 5	0.2	1.32	< 2	160	< 0.5	< 2	0.39	< 0.5	28	45	41	2.76	< 10	< 1	0.09	10	0.55	1505

CERTIFICATION: *Mark Bachler*



# Chemex Labs Ltd.

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

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.  
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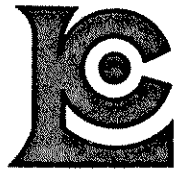
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Project : ATN93-03 FOOT  
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## CERTIFICATE OF ANALYSIS A9321464

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L3350E 4800N	201 202	2	0.02	30	700	20	< 2	2	42	0.06	< 10	< 10	37	< 10	130
L3350E 4850N	201 202	1	< 0.01	26	670	14	< 2	2	16	0.11	< 10	< 10	34	< 10	104
L3350E 4900N	201 202	2	0.01	41	1080	32	< 2	5	26	0.11	< 10	< 10	52	< 10	172
L3350E 4950N	201 202	1	0.03	12	550	6	< 2	1	21	0.04	< 10	< 10	24	< 10	52
L3350E 5000N	201 202	3	< 0.01	43	1210	40	< 2	5	32	0.10	< 10	< 10	58	< 10	210
L3350E 5050N	201 202	2	0.02	25	1500	24	< 2	4	43	0.09	< 10	< 10	54	< 10	104
L3350E 5100N	201 202	2	0.01	27	1040	10	< 2	4	40	0.14	< 10	< 10	45	< 10	94
L3350E 5150N	201 202	1	< 0.01	37	900	22	< 2	3	26	0.18	< 10	< 10	55	< 10	128
L3350E 5200N	201 202	3	0.06	17	950	8	< 2	2	13	0.04	< 10	< 10	39	< 10	72
L3350E 5250N	201 202	2	0.01	40	620	24	< 2	4	19	0.26	< 10	< 10	70	< 10	136
L3350E 5300N	201 202	4	< 0.01	33	1190	42	< 2	3	35	0.15	< 10	< 10	67	< 10	216
L3350E 5350N	201 202	1	0.01	27	600	18	< 2	3	17	0.19	< 10	< 10	54	< 10	88
L3350E 5400N	201 202	2	< 0.01	52	310	32	< 2	4	16	0.44	< 10	< 10	88	< 10	164
L3350E 5450N	201 202	1	< 0.01	59	250	8	< 2	6	23	0.41	< 10	< 10	82	< 10	90
L3350E 5500N	201 202	< 1	< 0.01	41	550	6	< 2	4	26	0.28	< 10	< 10	65	< 10	88
L3350E 5550N	201 202	2	0.01	35	900	22	< 2	4	38	0.20	< 10	< 10	62	< 10	148
L3350E 5600N	201 202	1	0.02	36	830	16	< 2	4	33	0.24	< 10	< 10	63	< 10	114
L3350E 5650N	201 202	1	0.01	40	860	12	< 2	4	25	0.25	< 10	< 10	69	< 10	98
L3350E 5700N	201 202	1	0.01	41	810	< 2	< 2	3	18	0.25	< 10	< 10	76	< 10	72
L3350E 5750N	201 202	1	< 0.01	40	900	6	< 2	3	18	0.28	< 10	< 10	88	< 10	68
L3350E 5800N	201 202	< 1	0.01	31	750	14	< 2	3	24	0.26	< 10	< 10	66	< 10	76
L3350E 5850N	201 202	1	< 0.01	27	370	16	< 2	3	13	0.50	< 10	< 10	108	< 10	80
L3350E 5900N	201 202	1	0.01	55	980	6	< 2	5	34	0.32	< 10	< 10	89	< 10	72
L3350E 5950N	201 202	1	< 0.01	74	1030	6	< 2	4	26	0.27	< 10	< 10	79	< 10	66
L3350E 6000N	201 202	< 1	< 0.01	64	1170	4	< 2	4	21	0.29	< 10	< 10	95	< 10	74
L3350E 6050N	201 202	< 1	< 0.01	44	1020	4	2	3	16	0.21	< 10	< 10	82	< 10	64
L3350E 6100N	201 202	< 1	0.01	38	780	< 2	< 2	3	17	0.26	< 10	< 10	81	< 10	68
L3350E 6150N	201 202	1	0.01	31	690	2	< 2	3	21	0.33	< 10	< 10	80	< 10	62
L3350E 6200N	201 202	< 1	< 0.01	27	530	6	< 2	3	31	0.41	< 10	< 10	86	< 10	58
L3350E 6250N	201 202	< 1	0.01	21	690	2	< 2	3	26	0.21	< 10	< 10	66	< 10	58
L6500E 4750N	201 202	1	< 0.01	44	440	4	< 2	2	12	0.21	< 10	< 10	52	< 10	70
L6500E 4800N	201 202	3	< 0.01	45	1190	16	< 2	2	19	0.10	< 10	< 10	46	< 10	134
L6500E 4850N	201 202	< 1	0.01	18	760	4	< 2	2	13	0.20	< 10	< 10	59	< 10	42
L6500E 4900N	201 202	1	0.02	22	1230	6	< 2	2	32	0.08	< 10	< 10	29	< 10	86
L6500E 4950N	201 202	1	0.04	13	1660	6	< 2	< 1	23	0.01	< 10	< 10	13	< 10	16
L6500E 5000N	201 202	1	< 0.01	36	1380	6	< 2	2	12	0.17	< 10	< 10	62	< 10	54
L6500E 5050N	201 202	1	0.01	45	290	22	< 2	2	31	0.21	< 10	< 10	43	< 10	68
L6500E 5100N	201 202	1	< 0.01	37	340	8	< 2	2	11	0.62	< 10	< 10	141	< 10	74
L6500E 5150N	201 202	< 1	< 0.01	25	1150	30	< 2	4	38	0.17	< 10	< 10	82	< 10	96
L6500E 5200N	201 202	2	0.01	30	500	18	< 2	2	14	0.23	< 10	< 10	54	< 10	88

CERTIFICATION: *Hart Buchler*



# Chemex Labs Ltd.

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

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.  
VANCOUVER, BC  
V6B 1N2

Page Number :3-A  
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Certificate Date: 26-SEP-93  
Invoice No. :19321464  
P.O. Number :  
Account :EIA

Project : ATN93-03 FOOT  
Comments: ATTN: MARK BAKNES CC: PETER DELANCEY

## CERTIFICATE OF ANALYSIS A9321464

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
L6500E 5250N	201 202	< 5	< 0.2	2.41	< 2	160	< 0.5	< 2	0.56	0.5	22	101	95	3.06	< 10	< 1	0.07	< 10	1.22	1570
L6500E 5300N	201 202	< 5	< 0.2	2.31	< 2	70	< 0.5	< 2	0.39	< 0.5	21	183	64	3.20	< 10	< 1	0.01	< 10	1.79	620
L6700E 4700N	201 202	< 5	0.4	2.15	8	180	< 0.5	2	0.28	< 0.5	14	70	39	4.88	< 10	< 1	0.06	< 10	1.07	630
L6700E 4750N	201 202	< 5	< 0.2	2.06	10	170	< 0.5	6	0.49	< 0.5	17	63	57	3.78	< 10	< 1	0.04	< 10	1.18	555
L6700E 4800N	201 202	< 5	< 0.2	1.87	2	220	< 0.5	2	0.29	< 0.5	14	59	41	3.92	< 10	< 1	0.05	< 10	1.08	555
L6700E 4850N	201 202	40	0.2	2.35	< 2	110	< 0.5	< 2	0.34	< 0.5	14	62	34	3.33	< 10	< 1	0.04	< 10	0.96	355
L6700E 4900N	201 202	< 5	< 0.2	1.79	4	130	< 0.5	< 2	0.40	< 0.5	13	64	37	3.10	< 10	< 1	0.04	< 10	1.00	385
L6700E 4950N	201 202	< 5	< 0.2	1.89	8	80	< 0.5	< 2	0.19	< 0.5	12	78	30	4.13	< 10	< 1	0.04	< 10	1.00	525
L6700E 5000N	201 202	< 5	< 0.2	1.67	< 2	50	< 0.5	2	0.23	< 0.5	11	72	20	2.92	< 10	< 1	0.02	< 10	0.80	475
L6700E 5050N	201 202	< 5	< 0.2	0.99	4	40	< 0.5	< 2	0.30	< 0.5	9	39	14	1.83	< 10	< 1	0.03	< 10	0.56	240
L6700E 5100N	201 202	< 5	0.2	2.21	6	100	< 0.5	< 2	0.41	< 0.5	17	64	49	4.00	< 10	< 1	0.06	< 10	1.25	500
L6700E 5150N	201 202	< 5	< 0.2	2.03	< 2	120	< 0.5	< 2	0.48	< 0.5	23	71	49	3.82	< 10	< 1	0.16	< 10	1.37	925
L6700E 5200N	201 202	< 5	< 0.2	1.68	12	120	< 0.5	< 2	0.39	< 0.5	20	57	28	3.52	< 10	< 1	0.13	< 10	1.08	825
L6700E 5250N	201 202	< 5	< 0.2	1.59	6	130	< 0.5	2	0.31	< 0.5	14	81	22	2.93	< 10	< 1	0.06	< 10	1.01	720
L6700E 5300N	201 202	< 5	0.2	1.57	< 2	120	< 0.5	2	0.28	< 0.5	11	74	21	2.96	< 10	< 1	0.04	< 10	0.88	435
L6900E 4700N	201 202	< 5	< 0.2	1.54	2	40	< 0.5	2	0.44	< 0.5	14	55	39	2.47	< 10	< 1	0.01	< 10	1.09	320
L6900E 4750N	201 202	< 5	< 0.2	1.63	< 2	60	< 0.5	< 2	0.29	< 0.5	10	42	33	2.46	< 10	< 1	0.01	< 10	0.73	235
L6900E 4800N	201 202	< 5	0.2	1.96	2	90	< 0.5	2	0.26	< 0.5	13	48	32	3.18	< 10	< 1	0.02	< 10	0.79	270
L6900E 4850N	201 202	< 5	< 0.2	1.56	4	100	< 0.5	< 2	0.18	< 0.5	9	60	26	2.86	< 10	< 1	0.03	< 10	0.89	465
L6900E 4900N	201 202	< 5	< 0.2	1.50	10	60	< 0.5	< 2	0.10	< 0.5	10	48	23	3.78	< 10	< 1	0.03	< 10	0.74	400
L6900E 4950N	201 202	< 5	< 0.2	0.95	< 2	40	< 0.5	4	0.42	< 0.5	6	30	13	1.44	< 10	< 1	0.03	< 10	0.49	220
L6900E 5000N	201 202	< 5	< 0.2	2.02	2	50	< 0.5	< 2	0.25	< 0.5	14	88	24	4.05	< 10	< 1	0.03	< 10	1.10	565
L6900E 5050N	201 202	< 5	0.2	2.12	4	90	< 0.5	< 2	0.32	< 0.5	13	72	23	3.88	< 10	< 1	0.04	< 10	1.07	525
L6900E 5100N	201 202	< 5	0.2	2.22	8	170	< 0.5	< 2	0.96	< 0.5	19	53	60	3.77	< 10	< 1	0.06	< 10	1.38	920
L6900E 5150N	201 202	< 5	< 0.2	2.01	8	180	< 0.5	< 2	0.31	< 0.5	12	42	60	3.12	< 10	< 1	0.05	10	0.86	325
L6900E 5200N	201 202	< 5	< 0.2	1.99	< 2	130	< 0.5	< 2	0.27	< 0.5	15	80	33	4.38	< 10	< 1	0.06	< 10	1.26	655
L6900E 5250N	201 202	< 5	0.2	1.94	8	80	< 0.5	< 2	0.23	< 0.5	14	71	46	3.82	< 10	< 1	0.04	< 10	1.23	505
L6900E 5300N	201 202	< 5	< 0.2	1.11	2	90	< 0.5	< 2	0.18	< 0.5	10	71	19	2.28	< 10	< 1	0.04	< 10	0.72	295
MBSLT93-35	201 202	< 5	< 0.2	2.90	26	350	< 0.5	< 2	1.00	< 0.5	41	102	79	5.44	< 10	< 1	0.04	10	1.92	3910
MBSLT93-36	201 202	< 5	0.2	2.49	16	300	< 0.5	< 2	1.08	< 0.5	26	89	99	3.90	< 10	< 1	0.06	10	1.48	1785
MBSLT93-37	201 202	< 5	< 0.2	2.75	12	260	< 0.5	2	0.95	0.5	29	114	68	4.70	< 10	< 1	0.06	10	2.25	1400
MBSLT93-38	201 202	5	< 0.2	2.42	16	230	< 0.5	< 2	0.90	< 0.5	25	91	74	4.20	< 10	< 1	0.07	10	1.84	1145
MBSLT93-39	201 202	< 5	0.6	1.69	< 2	720	< 0.5	< 2	1.89	1.0	10	43	69	2.10	< 10	< 1	0.09	40	0.75	565
MBSLT93-40	201 202	< 5	< 0.2	2.62	4	240	< 0.5	< 2	0.82	< 0.5	27	110	50	4.57	< 10	< 1	0.07	10	2.31	1315
MBSLT93-41	201 202	< 5	< 0.2	2.63	< 2	270	< 0.5	< 2	0.91	0.5	26	96	57	4.53	< 10	< 1	0.07	10	2.09	1305
MBSLT93-42	201 202	< 5	< 0.2	2.55	14	200	< 0.5	< 2	0.74	< 0.5	26	91	57	4.50	< 10	< 1	0.08	10	2.04	1395
MBSLT93-43	201 202	10	< 0.2	1.91	10	610	< 0.5	< 2	1.17	31.5	32	61	74	3.42	< 10	< 1	0.10	10	1.22	6330
MBSLT93-44	201 202	< 5	< 0.2	1.34	< 2	480	< 0.5	2	1.32	0.5	10	36	38	2.07	< 10	< 1	0.07	10	0.68	585
MBSLT93-45	201 202	< 5	< 0.2	1.89	< 2	370	< 0.5	< 2	1.01	2.0	18	61	47	3.39	< 10	< 1	0.07	10	1.37	1225
MBSLT93-46	201 202	< 5	< 0.2	1.89	6	480	< 0.5	2	1.18	2.0	18	59	53	3.49	< 10	< 1	0.07	10	1.32	1170

CERTIFICATION:

*Hart Buchler*



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 212 Brooksbank Ave., North Vancouver  
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To: EQUITY ENGINEERING LTD.

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Project : ATN93-03 FOOT  
 Comments : ATTN: MARK BAKNES CC: PETER DELANCEY

## CERTIFICATE OF ANALYSIS A9321464

SAMPLE	PREP CODE	Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
L6500E 5250N	201 202	< 1	0.02	65	790	8	< 2	2	15	0.21	< 10	< 10	52	< 10	64
L6500E 5300N	201 202	< 1	0.01	85	280	2	< 2	1	7	0.35	< 10	< 10	67	< 10	46
L6700E 4700N	201 202	1	< 0.01	33	860	32	< 2	3	15	0.31	< 10	< 10	80	< 10	118
L6700E 4750N	201 202	1	0.01	35	630	12	< 2	3	14	0.34	< 10	< 10	83	< 10	66
L6700E 4800N	201 202	1	< 0.01	36	750	10	< 2	3	16	0.30	< 10	< 10	71	< 10	78
L6700E 4850N	201 202	1	0.01	26	290	10	< 2	4	13	0.41	< 10	< 10	78	< 10	52
L6700E 4900N	201 202	< 1	0.01	30	350	8	< 2	3	14	0.40	< 10	< 10	73	< 10	54
L6700E 4950N	201 202	1	0.01	36	850	14	< 2	3	12	0.33	< 10	< 10	85	< 10	58
L6700E 5000N	201 202	< 1	0.01	29	750	14	< 2	2	10	0.29	< 10	< 10	76	< 10	60
L6700E 5050N	201 202	< 1	0.02	16	410	4	< 2	1	9	0.31	< 10	< 10	55	< 10	34
L6700E 5100N	201 202	1	0.01	36	640	14	< 2	3	17	0.36	< 10	< 10	82	< 10	64
L6700E 5150N	201 202	1	0.01	42	640	12	< 2	3	20	0.36	< 10	< 10	79	< 10	64
L6700E 5200N	201 202	1	0.01	31	610	2	< 2	2	13	0.34	< 10	< 10	86	< 10	58
L6700E 5250N	201 202	1	0.01	36	480	8	< 2	2	10	0.28	< 10	< 10	58	< 10	58
L6700E 5300N	201 202	< 1	< 0.01	33	400	12	< 2	2	11	0.31	< 10	< 10	64	< 10	54
L6900E 4700N	201 202	< 1	0.01	30	410	6	< 2	2	10	0.31	< 10	< 10	52	< 10	40
L6900E 4750N	201 202	< 1	< 0.01	22	420	4	< 2	2	9	0.28	< 10	< 10	51	< 10	40
L6900E 4800N	201 202	1	< 0.01	26	480	4	< 2	2	7	0.31	< 10	< 10	61	< 10	48
L6900E 4850N	201 202	< 1	< 0.01	29	470	18	< 2	2	10	0.22	< 10	< 10	59	< 10	52
L6900E 4900N	201 202	2	0.01	24	1240	14	< 2	2	8	0.20	< 10	< 10	75	< 10	46
L6900E 4950N	201 202	< 1	0.01	12	190	8	< 2	1	12	0.39	< 10	< 10	55	< 10	32
L6900E 5000N	201 202	< 1	< 0.01	37	1050	16	< 2	2	11	0.29	< 10	< 10	72	< 10	68
L6900E 5050N	201 202	< 1	0.01	31	730	12	< 2	3	17	0.37	< 10	< 10	79	< 10	60
L6900E 5100N	201 202	< 1	0.01	30	590	8	< 2	3	23	0.39	< 10	< 10	89	< 10	72
L6900E 5150N	201 202	1	0.01	27	400	4	< 2	3	12	0.21	< 10	< 10	73	< 10	70
L6900E 5200N	201 202	1	0.01	36	930	14	< 2	3	15	0.35	< 10	< 10	90	< 10	58
L6900E 5250N	201 202	< 1	< 0.01	35	610	6	< 2	2	10	0.28	< 10	< 10	69	< 10	54
L6900E 5300N	201 202	1	< 0.01	31	420	2	< 2	1	8	0.24	< 10	< 10	51	< 10	34
MBSLT93-35	201 202	2	0.01	70	940	18	< 2	7	27	0.20	< 10	< 10	106	< 10	146
MBSLT93-36	201 202	< 1	0.01	59	1080	16	< 2	8	31	0.16	< 10	< 10	82	< 10	152
MBSLT93-37	201 202	< 1	< 0.01	76	1030	14	< 2	8	23	0.23	< 10	< 10	91	20	124
MBSLT93-38	201 202	< 1	0.01	71	1000	12	< 2	6	24	0.26	< 10	< 10	80	10	114
MBSLT93-39	201 202	< 1	0.02	31	1170	12	< 2	5	83	0.13	< 10	< 10	44	< 10	128
MBSLT93-40	201 202	< 1	< 0.01	82	960	10	4	6	24	0.33	< 10	< 10	87	10	112
MBSLT93-41	201 202	< 1	< 0.01	67	970	18	< 2	6	28	0.33	< 10	< 10	90	10	114
MBSLT93-42	201 202	1	< 0.01	66	1000	10	< 2	6	22	0.30	< 10	< 10	86	10	110
MBSLT93-43	201 202	15	0.01	224	1060	14	< 2	6	57	0.20	< 10	10	67	10	984
MBSLT93-44	201 202	< 1	0.01	29	1240	16	2	3	57	0.14	< 10	< 10	46	< 10	210
MBSLT93-45	201 202	< 1	0.01	54	980	18	4	4	38	0.23	< 10	< 10	65	10	192
MBSLT93-46	201 202	< 1	0.01	55	1120	14	2	4	47	0.23	< 10	< 10	66	10	256

CERTIFICATION:

*Handwritten signature*



# Chemex Labs Ltd.

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 212 Brooksbank Ave., North Vancouver  
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## CERTIFICATE OF ANALYSIS A9321464

SAMPLE	PREP CODE		Au ppb	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe	Ga	Hg	K	La	Mg	Mn
			FA+AA	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	%	ppm
MBSLT93-47	201	202	15	0.4	2.09	10	570	0.5	< 2	0.32	10.5	62	21	308	9.64	10	< 1	0.05	20	0.19	6230
MBSLT93-48	201	202	< 5	1.4	5.36	30	310	5.0	< 2	0.28	15.0	134	33	937	13.50	10	< 1	0.03	30	0.11	9390
MBSLT93-49	201	202	< 5	0.6	3.50	18	390	1.0	< 2	0.27	6.5	33	26	419	7.86	< 10	< 1	0.03	10	0.17	2860
S-21TB	201	202	< 5	< 0.2	1.61	< 2	60	< 0.5	< 2	0.56	< 0.5	19	59	79	2.55	< 10	< 1	0.05	< 10	1.28	450
S-22TB	201	202	< 5	< 0.2	1.84	6	40	< 0.5	< 2	0.62	< 0.5	22	67	85	2.82	< 10	< 1	0.07	< 10	1.61	495
S-23TB	201	202	< 5	< 0.2	2.12	2	70	< 0.5	2	0.69	< 0.5	24	90	108	3.32	< 10	< 1	0.11	< 10	1.71	560
S-24TB	201	202	< 5	< 0.2	2.24	2	80	< 0.5	< 2	0.69	< 0.5	25	86	115	3.61	< 10	< 1	0.16	< 10	1.80	620
S-25TB	201	202	< 5	< 0.2	2.27	< 2	70	< 0.5	6	0.66	< 0.5	26	119	108	3.33	< 10	< 1	0.07	< 10	1.97	620
S-27TB	201	202	< 5	< 0.2	1.98	< 2	50	< 0.5	2	0.64	< 0.5	24	72	103	3.11	< 10	< 1	0.08	< 10	1.73	535
S-28TB	201	202	< 5	< 0.2	1.92	< 2	60	< 0.5	2	0.63	< 0.5	23	65	91	2.99	< 10	< 1	0.08	< 10	1.72	555
S-29TB	201	202	< 5	< 0.2	2.47	< 2	80	< 0.5	2	0.91	< 0.5	26	82	144	3.58	< 10	< 1	0.04	< 10	1.89	690
S-30TB	201	202	< 5	< 0.2	1.81	2	40	< 0.5	2	0.64	< 0.5	21	62	91	2.89	< 10	< 1	0.07	< 10	1.63	515
S-31TB	201	202	< 5	< 0.2	2.04	< 2	40	< 0.5	< 2	0.55	< 0.5	26	80	60	3.27	< 10	< 1	0.11	< 10	2.10	610
S-32TB	201	202	< 5	< 0.2	1.75	< 2	70	< 0.5	< 2	0.66	< 0.5	19	60	58	2.71	< 10	< 1	0.04	< 10	1.49	500
S-33TB	201	202	< 5	< 0.2	2.18	2	190	< 0.5	4	1.24	< 0.5	20	63	94	3.53	< 10	< 1	0.07	20	1.48	670
S-34TB	201	202	< 5	< 0.2	2.51	8	180	< 0.5	< 2	1.03	< 0.5	26	73	91	4.19	< 10	< 1	0.05	10	1.69	1020
S-35TB	201	202	< 5	< 0.2	2.53	< 2	150	< 0.5	2	1.02	< 0.5	26	67	88	4.10	< 10	< 1	0.08	10	1.80	780
S-36TB	201	202	< 5	< 0.2	2.30	6	120	< 0.5	2	0.93	< 0.5	26	65	77	4.15	< 10	< 1	0.09	10	1.74	920
S-37TB	201	202	< 5	< 0.2	2.38	< 2	240	< 0.5	< 2	1.05	0.5	18	72	64	3.95	< 10	< 1	0.07	10	1.47	1005
S-38TB	201	202	< 5	< 0.2	2.07	6	280	< 0.5	< 2	1.48	0.5	12	60	83	2.61	10	< 1	0.07	30	0.77	715
S-39TB	201	202	< 5	< 0.2	2.36	6	340	< 0.5	4	1.24	0.5	15	79	70	3.31	10	< 1	0.07	20	0.96	1220
S-40TB	201	202	15	< 0.2	2.21	4	210	< 0.5	2	0.95	< 0.5	17	60	61	3.76	< 10	< 1	0.08	10	1.23	1090
S-41TB	201	202	< 5	< 0.2	2.72	6	120	< 0.5	< 2	0.95	< 0.5	27	84	94	4.79	< 10	< 1	0.08	< 10	1.99	890
S-42TB	201	202	< 5	< 0.2	2.64	< 2	150	< 0.5	< 2	1.15	< 0.5	25	78	88	4.51	< 10	< 1	0.07	10	1.85	845
S-43TB	201	202	< 5	< 0.2	2.81	< 2	190	< 0.5	2	1.03	< 0.5	27	81	93	4.08	< 10	< 1	0.06	< 10	1.86	820
S-44TB	201	202	< 5	< 0.2	2.33	< 2	210	< 0.5	4	1.28	0.5	21	64	90	3.78	< 10	< 1	0.07	10	1.57	835
S-45TB	201	202	< 5	< 0.2	1.94	8	240	< 0.5	< 2	1.79	0.5	16	54	128	2.94	< 10	< 1	0.08	20	1.23	710
S-46TB	201	202	< 5	< 0.2	1.95	6	250	< 0.5	< 2	1.14	0.5	17	59	85	3.31	< 10	< 1	0.06	10	1.35	670
S-47TB	201	202	< 5	0.2	0.95	14	350	< 0.5	< 2	0.48	1.5	11	30	51	2.39	< 10	< 1	0.06	10	0.70	445
S-48TB	201	202	< 5	0.2	1.66	12	460	< 0.5	< 2	0.98	2.0	17	53	70	2.76	< 10	< 1	0.08	< 10	1.18	645
S-49TB	201	202	< 5	< 0.2	0.52	26	290	< 0.5	< 2	0.53	15.0	12	14	61	2.63	< 10	< 1	0.04	10	0.23	1265
S-50TB	201	202	< 5	< 0.2	0.63	24	450	< 0.5	< 2	0.69	27.5	11	17	83	2.89	< 10	< 1	0.05	10	0.25	1990
S-51TB	201	202	< 5	0.6	0.85	18	780	< 0.5	< 2	0.91	30.5	10	20	135	2.53	< 10	< 1	0.06	10	0.32	1220
S-52TB	201	202	< 5	0.6	0.73	50	560	< 0.5	< 2	0.27	8.5	11	18	103	2.89	< 10	< 1	0.10	10	0.23	1170
S-53TB	201	202	< 5	0.2	0.64	76	870	< 0.5	< 2	0.26	8.5	17	17	92	3.69	< 10	< 1	0.10	10	0.25	1865
S-54TB	201	202	< 5	0.8	0.86	30	690	< 0.5	2	0.66	5.0	13	26	98	2.83	< 10	< 1	0.09	20	0.33	805

CERTIFICATION: *Stuart Buchler*



# Chemex Labs Ltd.

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

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.  
 VANCOUVER, BC  
 V6B 1N2

Page Number : 4-B  
 Total Pages : 4  
 Certificate Date: 26-SEP-93  
 Invoice No. : I9321464  
 P.O. Number :  
 Account : EIA

Project : ATN93-03 FOOT  
 Comments: ATTN: MARK BAKNES CC: PETER DELANCEY

## CERTIFICATE OF ANALYSIS A9321464

SAMPLE	PREP		Mo	Na	Ni	P	Pb	Sb	Sc	Sr	Ti	Tl	U	V	W	Zn
	CODE		ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
MBSLT93-47	201	202	4 < 0.01		72	1280	200	< 2	4	27 < 0.01	< 10	10	27	10	2270	
MBSLT93-48	201	202	2 < 0.01		110	830	184	< 2	9	25 < 0.01	< 10	30	15	20	3940	
MBSLT93-49	201	202	6 < 0.01		53	1130	130	2	6	24 < 0.01	< 10	10	15	10	1570	
S-21TB	201	202	< 1 < 0.01		37	740	2	2	2	9 0.15	< 10	< 10	48	< 10	58	
S-22TB	201	202	< 1 < 0.01		40	770	6	< 2	2	9 0.18	< 10	< 10	50	10	66	
S-23TB	201	202	1 < 0.01		53	790	4	< 2	3	10 0.24	< 10	< 10	72	10	64	
S-24TB	201	202	< 1 < 0.01		51	790	2	< 2	3	10 0.27	< 10	< 10	78	10	66	
S-25TB	201	202	< 1 < 0.01		64	860	6	2	4	10 0.23	< 10	< 10	67	10	66	
S-27TB	201	202	< 1 < 0.01		46	830	< 2	< 2	2	11 0.19	< 10	< 10	56	10	70	
S-28TB	201	202	< 1 < 0.01		44	980	6	< 2	2	10 0.16	< 10	< 10	57	10	76	
S-29TB	201	202	< 1 0.01		50	610	12	4	4	20 0.33	< 10	< 10	66	10	84	
S-30TB	201	202	< 1 < 0.01		45	1010	10	2	2	10 0.16	< 10	< 10	56	10	74	
S-31TB	201	202	< 1 < 0.01		52	1100	12	< 2	2	8 0.15	< 10	< 10	61	< 10	78	
S-32TB	201	202	< 1 < 0.01		44	1000	8	2	2	12 0.19	< 10	< 10	54	< 10	82	
S-33TB	201	202	< 1 0.01		46	980	8	< 2	6	40 0.33	< 10	< 10	75	10	92	
S-34TB	201	202	< 1 0.01		50	940	8	2	8	18 0.25	< 10	< 10	91	10	92	
S-35TB	201	202	< 1 0.01		54	1200	8	2	6	19 0.28	< 10	< 10	84	10	92	
S-36TB	201	202	< 1 0.01		52	1190	10	< 2	5	19 0.30	< 10	< 10	81	10	98	
S-37TB	201	202	< 1 0.01		47	820	12	2	7	28 0.25	< 10	< 10	86	10	114	
S-38TB	201	202	1 0.01		40	1360	10	2	6	43 0.06	< 10	< 10	55	< 10	120	
S-39TB	201	202	< 1 0.02		46	1410	12	2	8	27 0.09	< 10	< 10	71	10	122	
S-40TB	201	202	< 1 < 0.01		47	720	18	< 2	5	28 0.15	< 10	< 10	66	10	140	
S-41TB	201	202	< 1 < 0.01		61	770	10	4	5	33 0.47	< 10	< 10	95	10	86	
S-42TB	201	202	< 1 0.01		59	890	14	< 2	7	40 0.47	< 10	< 10	97	10	106	
S-43TB	201	202	< 1 0.01		50	1050	4	< 2	9	19 0.36	< 10	< 10	95	10	90	
S-44TB	201	202	1 0.01		52	960	16	2	6	44 0.37	< 10	< 10	82	10	222	
S-45TB	201	202	< 1 0.01		48	1000	10	< 2	6	49 0.27	< 10	< 10	63	10	350	
S-46TB	201	202	< 1 0.01		50	920	10	2	5	37 0.26	< 10	< 10	66	10	322	
S-47TB	201	202	3 < 0.01		64	950	20	< 2	2	24 0.09	< 10	< 10	37	< 10	408	
S-48TB	201	202	1 < 0.01		46	1020	18	< 2	3	28 0.17	< 10	< 10	57	< 10	266	
S-49TB	201	202	6 < 0.01		68	1730	28	< 2	1	37 0.02	< 10	< 10	27	< 10	2150	
S-50TB	201	202	5 < 0.01		101	1680	34	< 2	1	46 0.02	< 10	< 10	31	10	3610	
S-51TB	201	202	4 0.01		118	1790	22	< 2	1	60 0.04	< 10	< 10	32	10	3000	
S-52TB	201	202	8 < 0.01		59	1640	60	2	2	98 < 0.01	< 10	< 10	38	< 10	546	
S-53TB	201	202	13 < 0.01		61	1950	40	4	3	119 0.01	< 10	< 10	47	< 10	466	
S-54TB	201	202	10 < 0.01		81	1740	44	6	2	120 0.01	< 10	< 10	42	< 10	492	

CERTIFICATION: *John A. Buchler*



# Chemex Labs Ltd.

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

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.  
VANCOUVER, BC  
V6B 1N2

A9321465

Comments: ATTN: MARK BAKNES CC: PETER DELANCEY

**CERTIFICATE**

**A9321465**

EQUITY ENGINEERING LTD.

Project: ATN93-03 FOOT  
P.O. #:

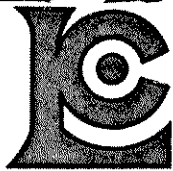
Samples submitted to our lab in Vancouver, BC.  
This report was printed on 27-SEP-93.

## SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	24	Geochem ring to approx 150 mesh
274	24	0-15 lb crush and split
285	24	ICP - HF digestion charge

## ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	24	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
578	24	Ag ppm: 24 element, rock & core	AAS	0.2	100.0
573	24	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	24	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	24	Be ppm: 24 element, rock & core	ICP-AES	0.5	10000
561	24	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	24	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	24	Cd ppm: 24 element, rock & core	ICP-AES	0.5	10000
563	24	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	24	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	24	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	24	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	24	K %: 24 element, rock & core	ICP-AES	0.01	20.0
570	24	Mg %: 24 element, rock & core	ICP-AES	0.01	20.0
568	24	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	24	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	24	Na %: 24 element, rock & core	ICP-AES	0.01	5.00
564	24	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	24	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	24	Pb ppm: 24 element, rock & core	AAS	2	10000
582	24	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	24	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	24	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	24	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	24	Zn ppm: 24 element, rock & core	ICP-AES	2	10000



# Chemex Labs Ltd.

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 212 Brooksbank Ave., North Vancouver  
 British Columbia, Canada V7J 2C1  
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To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.  
 VANCOUVER, BC  
 V6B 1N2

Page Number : 1-A  
 Total Pages : 1  
 Certificate Date: 27-SEP-93  
 Invoice No. : 19321465  
 P.O. Number :  
 Account : EIA

Project : ATN93-03 FOOT  
 Comments: ATTN: MARK BAKNES CC: PETER DELANCEY

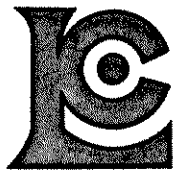
\*\*NOTE\*\*

## CERTIFICATE OF ANALYSIS A9321465

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm AAS	Al % (ICP)	Ba ppm (ICP)	Be ppm (ICP)	Bi ppm (ICP)	Ca % (ICP)	Cd ppm (ICP)	Co ppm (ICP)	Cr ppm (ICP)	Cu ppm (ICP)	Fe % (ICP)	K % (ICP)	Mg % (ICP)
358394	205 274	< 5	< 0.2	7.77	330	0.5	< 2	5.79	< 0.5	71	181	127	6.21	1.24	3.12
358395	205 274	< 5	< 0.2	0.30	60	< 0.5	< 2	0.69	< 0.5	< 1	318	25	18.05	0.06	0.07
358396	205 274	25	5.8	4.35	>10000	3.0	4	0.03	< 0.5	9	197	122	1.30	1.59	0.27
358397	205 274	< 5	< 0.2	7.65	370	< 0.5	< 2	6.05	< 0.5	32	81	17	6.40	0.10	3.11
358398	205 274	< 5	< 0.2	1.81	3560	0.5	< 2	0.03	< 0.5	4	230	26	1.39	0.58	0.73
358399	205 274	< 5	< 0.2	0.20	1560	< 0.5	< 2	0.12	< 0.5	5	236	1	9.72	0.02	0.08
358400	205 274	< 5	0.4	2.99	9210	3.5	2	0.10	< 0.5	7	227	87	9.04	0.52	0.30
509301	205 274	< 5	0.4	1.20	5140	< 0.5	2	0.05	< 0.5	3	270	28	4.20	0.27	0.23
509302	205 274	75	0.4	0.86	2120	1.0	< 2	0.07	< 0.5	< 1	259	10	9.40	0.29	0.09
509303	205 274	< 5	0.6	2.13	330	< 0.5	< 2	0.02	< 0.5	< 1	108	17	>25.0	0.15	0.06
509304	205 274	< 5	0.4	0.78	4860	4.0	< 2	0.31	< 0.5	1	251	31	18.80	0.15	0.08
509305	205 274	< 5	< 0.2	2.57	9280	11.0	< 2	0.26	< 0.5	< 1	75	4	>25.0	0.58	0.25
509306	205 274	< 5	< 0.2	1.17	1130	0.5	< 2	0.10	< 0.5	< 1	139	7	23.0	0.07	0.07
509307	205 274	< 5	1.2	4.37	5190	0.5	< 2	0.83	41.5	12	134	764	6.30	0.72	2.54
509308	205 274	< 5	0.4	1.29	9450	< 0.5	2	< 0.01	< 0.5	3	318	37	0.79	0.55	0.08
509309	205 274	< 5	< 0.2	1.00	6800	< 0.5	< 2	0.03	< 0.5	1	183	18	17.45	0.11	0.10
509310	205 274	15	< 0.2	1.05	5420	0.5	< 2	0.17	< 0.5	< 1	202	5	23.8	0.03	0.09
509311	205 274	20	3.2	5.15	1750	< 0.5	14	0.08	3.0	15	99	7320	9.55	0.38	3.37
509312	205 274	< 5	0.4	6.46	1610	1.5	6	0.19	< 0.5	2	98	53	1.47	3.65	0.35
509313	205 274	< 5	< 0.2	0.72	3310	3.0	< 2	0.06	< 0.5	< 1	175	40	20.6	0.10	0.04
509477	205 274	< 5	< 0.2	0.75	1380	< 0.5	< 2	0.04	< 0.5	< 1	142	3	>25.0	0.11	0.14
509478	205 274	< 5	< 0.2	7.39	1900	< 0.5	< 2	7.04	< 0.5	39	209	129	6.74	0.12	3.74
509479	205 274	< 5	< 0.2	8.12	940	< 0.5	< 2	2.66	< 0.5	29	65	320	10.95	0.45	3.27
509480	205 274	< 5	< 0.2	0.40	260	< 0.5	< 2	0.46	< 0.5	22	261	41	8.51	0.02	0.28

CERTIFICATION: *Went Beckler*

\*\*Ba MAY BE LOW DUE TO PRECIPITATION OF SOLUTIONS



# Chemex Labs Ltd.

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

To: EQUITY ENGINEERING LTD.

207 - 675 W. HASTINGS ST.  
VANCOUVER, BC  
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Project : ATN93-03 FOOT  
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Page Number : 1-B  
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Certificate Date: 27-SEP-93  
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Account : EIA

\*\*NOTE\*\*

## CERTIFICATE OF ANALYSIS A9321465

SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)			
358394	205 274	1095	3	2.02	66	710	2	64	0.95	289	20	90			
358395	205 274	315	6	0.23	12	170	< 2	8	0.01	63	< 10	66			
358396	205 274	30	23	0.23	53	190	1420	120	0.08	174	< 10	152			
358397	205 274	1080	< 1	2.76	40	810	8	200	0.94	263	20	58			
358398	205 274	580	< 1	0.02	15	80	8	6	0.07	61	< 10	44			
358399	205 274	440	1	0.08	27	240	< 2	35	< 0.01	31	< 10	30			
358400	205 274	260	9	0.08	40	500	< 2	84	0.14	104	< 10	100			
509301	205 274	185	6	0.04	20	320	< 2	106	0.07	45	< 10	48			
509302	205 274	95	16	< 0.01	8	610	32	31	0.03	74	< 10	86			
509303	205 274	255	8	0.60	21	< 10	< 2	111	0.10	246	< 10	114			
509304	205 274	490	17	0.02	10	1270	< 2	113	0.04	62	< 10	166			
509305	205 274	140	10	0.14	12	1510	< 2	197	0.16	128	< 10	142			
509306	205 274	430	9	0.02	7	310	< 2	369	0.06	104	< 10	72			
509307	205 274	1890	1	0.12	5	280	76	25	0.08	10	10	3220			
509308	205 274	30	< 1	0.04	19	90	4	52	0.06	76	< 10	76			
509309	205 274	385	8	0.02	11	160	< 2	344	0.06	94	< 10	128			
509310	205 274	350	10	< 0.01	10	660	< 2	192	0.06	85	< 10	158			
509311	205 274	690	3	0.14	3	260	64	9	0.08	11	< 10	950			
509312	205 274	75	2	1.18	4	470	40	74	0.16	7	< 10	44			
509313	205 274	650	17	0.02	12	800	< 2	272	0.01	60	< 10	268			
509477	205 274	845	15	0.03	6	140	< 2	246	0.03	94	< 10	66			
509478	205 274	1070	< 1	2.23	59	590	< 2	145	0.85	234	20	60			
509479	205 274	1595	1	3.47	30	660	< 2	50	0.98	298	20	88			
509480	205 274	685	2	0.02	41	160	< 2	6	0.01	62	< 10	20			

CERTIFICATION:

*Hant Buchler*

\*\*Ba MAY BE LOW DUE TO PRECIPITATION OF SOLUTIONS

APPENDIX F


GEOLOGIST'S CERTIFICATE

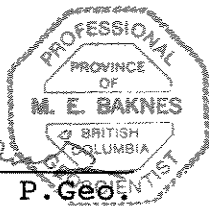
GEOLOGIST'S CERTIFICATE

I, Mark E. Baknes, of 4355 St. Catherines Street, Vancouver, in the Province of British Columbia, DO HEREBY CERTIFY:

1. THAT I am a Consulting Geologist with offices at Suite 207, 675 West Hastings Street, Vancouver, British Columbia.
2. THAT I am a graduate of the University of British Columbia with a Bachelor of Science degree in Geology and a Master of Science degree in Geology from McMaster University.
3. THAT I am a Professional Geoscientist registered in good standing with the Association of Professional Engineers and Geoscientists of the Province of British Columbia.
4. THAT this report is based in part on property work I personally completed and/or directly supervised between September 5 and 10, 1993, government publications and assessment reports filed with the Yukon.

DATED at Vancouver, British Columbia, this 28<sup>th</sup> day of March, 1994.

  
Mark E. Baknes, P. Geol.



MAP NO:

105G/08

ASSESSMENT REPORT  
PROSPECTUS  
CONFIDENTIAL X  
OPEN FILE

DOCUMENT NO: 093202

MINING DISTRICT: WATSON LAKE

TYPE OF WORK: PROSPECTING & GEOCHEMISTRY

REPORT FILED UNDER: EQUITY ENGINEERING LIMITED

DATE PERFORMED: 4-10 SEPT/93

DATE FILED: APRIL 8, 1994

LOCATION:

LAT.: 61°26'

AREA: WOLVERINE LAKE

LONG.: 130°07'

VALUE \$: 8,100

CLAIM NAME & NO.: FOOT 1-10 (YB45954-963), FOOT 13-20 (YB45966-973)

WORK DONE BY: MARK E. BAKNES

WORK DONE FOR: ATNA RESOURCES LIMITED

DATE TO GOOD STANDING:


REMARKS: COPPER-ZINC VMS TARGET WITH TWO PROMINENT KILL ZONES. 24 ROCK, 48 SILT, AND 108 SOIL SAMPLES TAKEN. A TWO INCH INTERVAL FROM 1974 DRILL HOLE ASSAYED AT 8% COPPER, 1.14% ZINC AND 2.18 OZ/T SILVER.



M.R. file no.
R.M.M.R. file no.
Date forwarded <i>14 April 1994</i>

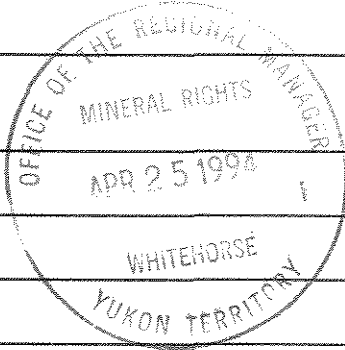
### TRANSMITTAL FORM

From Mining Recorder at: *WATSON LAKE*

To Regional Manager, Mineral Rights at Whitehorse, Y.T.

For action are:

<input type="checkbox"/> NEW APPLICATION FOR PLACER LEASE TO PROSPECT	Name		
<input type="checkbox"/> RENEWAL APPLICATION PLACER LEASE TO PROSPECT	Name		Lease no.
<input type="checkbox"/> AFFIDAVIT OF EXPENDITURE ON PLACER LEASE	Name		Lease no.
<input type="checkbox"/> SECURITY DEPOSIT			
<input type="checkbox"/> FINANCIAL ABILITY			
<input type="checkbox"/> ASSIGNMENT OF PLACER LEASE NO.	From	To	
<input type="checkbox"/> GROUPING APPLICATION UNDER SEC. 52(2) PLACER MINING ACT.	Owner		
<input type="checkbox"/> DIAMOND DRILL LOGS	Claims		Claim sheet no.
<input checked="" type="checkbox"/> QUARTZ ASSESSMENT REPORT	Claims		Claim sheet no.
	Type of report	Submitted by	
	Cls. work performed on		\$ req. for ren. application



*FOOT 1-10, 13-20*

*105-6-08*

*G.C. Prospecting*

*Equity Engineering Ltd*

*FOOT 1-4, 6-10, 13-15, 17-20*

*8100.00*

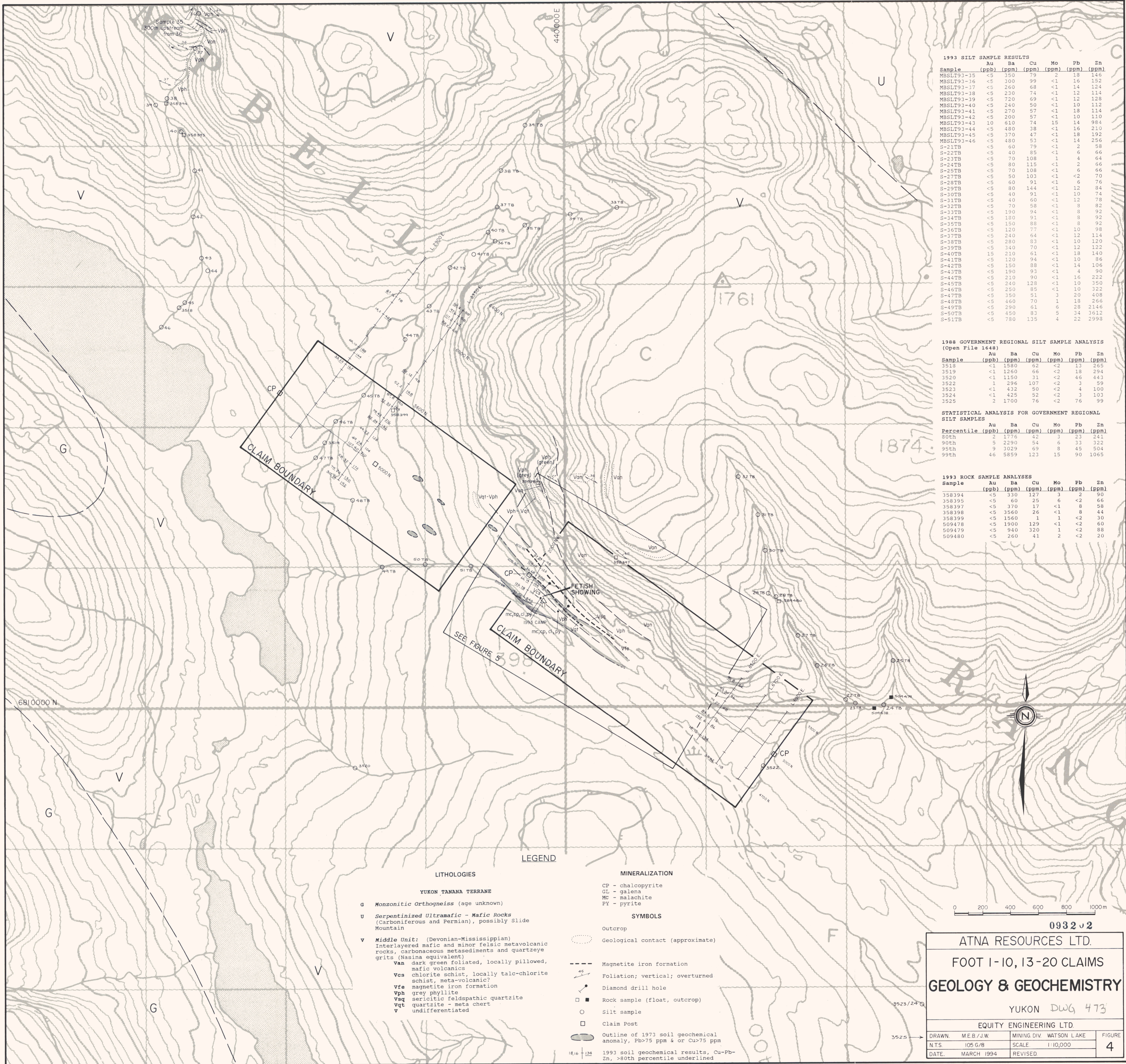
*[Signature]*

Signature

REPLY ACTION Date returned


*093202*

Signature



**1993 SILT SAMPLE RESULTS**

Sample	Au (ppb)	Ba (ppm)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
MBSLT93-35	<5	350	79	2	18	146
MBSLT93-36	<5	300	99	<1	16	152
MBSLT93-37	<5	260	68	<1	14	124
MBSLT93-38	<5	230	74	<1	14	984
MBSLT93-39	<5	720	69	<1	12	128
MBSLT93-40	<5	240	50	<1	10	112
MBSLT93-41	<5	270	57	<1	18	114
MBSLT93-42	<5	200	57	<1	10	110
MBSLT93-43	10	610	74	15	14	984
MBSLT93-44	<5	480	38	<1	16	210
MBSLT93-45	<5	370	47	<1	18	192
MBSLT93-46	<5	480	53	<1	14	256
S-21TB	<5	60	79	<1	2	58
S-22TB	<5	40	85	<1	6	66
S-23TB	<5	70	108	<1	10	74
S-24TB	<5	80	115	<1	2	66
S-25TB	<5	70	108	<1	6	66
S-27TB	<5	50	103	<1	<2	70
S-28TB	<5	60	91	<1	6	76
S-29TB	<5	80	144	<1	12	84
S-30TB	<5	40	91	<1	10	74
S-31TB	<5	40	60	<1	12	78
S-32TB	<5	70	58	<1	8	82
S-33TB	<5	190	94	<1	8	92
S-34TB	<5	180	91	<1	8	92
S-35TB	<5	150	88	<1	8	92
S-36TB	<5	70	77	<1	10	98
S-37TB	<5	240	64	<1	12	114
S-38TB	<5	280	83	<1	10	120
S-39TB	<5	340	70	<1	12	122
S-40TB	15	210	61	<1	18	140
S-41TB	<5	120	94	<1	10	86
S-42TB	<5	150	88	<1	14	106
S-43TB	<5	190	93	<1	4	90
S-44TB	<5	210	90	<1	16	222
S-45TB	<5	240	128	<1	10	350
S-46TB	<5	250	85	<1	10	322
S-47TB	<5	350	131	<1	20	408
S-48TB	<5	460	70	1	18	266
S-49TB	<5	390	61	6	28	2146
S-50TB	<5	450	83	5	34	3612
S-51TB	<5	780	135	4	22	2998

**1988 GOVERNMENT REGIONAL SILT SAMPLE ANALYSIS (Open File 1648)**

Sample	Au (ppb)	Ba (ppm)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
3518	<1	1580	62	<2	13	265
3519	<1	1260	66	<2	18	294
3520	<1	1150	31	<2	46	443
3522	1	296	107	<2	3	59
3523	<1	432	50	<2	4	100
3524	<1	425	52	<2	3	103
3525	<2	1700	76	<2	76	99

**STATISTICAL ANALYSIS FOR GOVERNMENT REGIONAL SILT SAMPLES**

Percentile	Au (ppb)	Ba (ppm)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
80th	2	1776	42	3	23	241
90th	5	2290	54	6	33	322
95th	9	3029	69	8	45	504
99th	46	5859	123	15	90	1065

**1993 ROCK SAMPLE ANALYSES**

Sample	Au (ppb)	Ba (ppm)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
358394	<5	330	127	3	2	90
358395	<5	60	25	6	<2	66
358397	<5	370	17	<1	8	58
358398	<5	3560	26	<1	8	44
358399	<5	1560	1	1	<2	30
509478	<5	1900	129	<1	<2	60
509479	<5	940	320	1	<2	88
509480	<5	260	41	2	<2	20

- LEGEND**
- LITHOLOGIES**
- YUKON TANANA TERRANE**
- G Monzonitic Orthogneiss (age unknown)
  - U Serpentinized Ultramafic - Mafic Rocks (Carboniferous and Permian), possibly Slide Mountain
  - V Middle Unit: (Devonian-Mississippian) Interlayered mafic and minor felsic metavolcanic rocks, carbonaceous metasediments and quartzite grits (Nasina equivalent)
    - van dark green foliated, locally pillowed, mafic volcanics
    - vcs chlorite schist, locally talc-chlorite schist, meta-volcanic?
    - vfe magnetite iron formation
    - vph grey phyllite
    - vsq sericitic feldspathic quartzite
    - vqt quartzite - meta chert
    - v undifferentiated
- MINERALIZATION**
- CP - chalcopyrite
  - GL - galena
  - MC - malachite
  - PY - pyrite
- SYMBOLS**
- Outcrop
  - Geological contact (approximate)
  - Magnetite iron formation
  - ↗ Foliation; vertical; overturned
  - Diamond drill hole
  - Rock sample (float, outcrop)
  - Silt sample
  - Claim Post
  - Outline of 1973 soil geochemical anomaly, Pb>75 ppm & or Cu>75 ppm
  - 1993 soil geochemical results, Cu-Pb-Zn, >80th percentile underlined

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**ATNA RESOURCES LTD.**

FOOT 1-10, 13-20 CLAIMS

**GEOLOGY & GEOCHEMISTRY**

YUKON DWG 473

EQUITY ENGINEERING LTD.

DRAWN: M.E.B./J.W.	MINING DIV. WATSON LAKE	FIGURE
N.T.S. 105 G/B	SCALE: 1:10,000	4
DATE: MARCH 1994	REVISED	

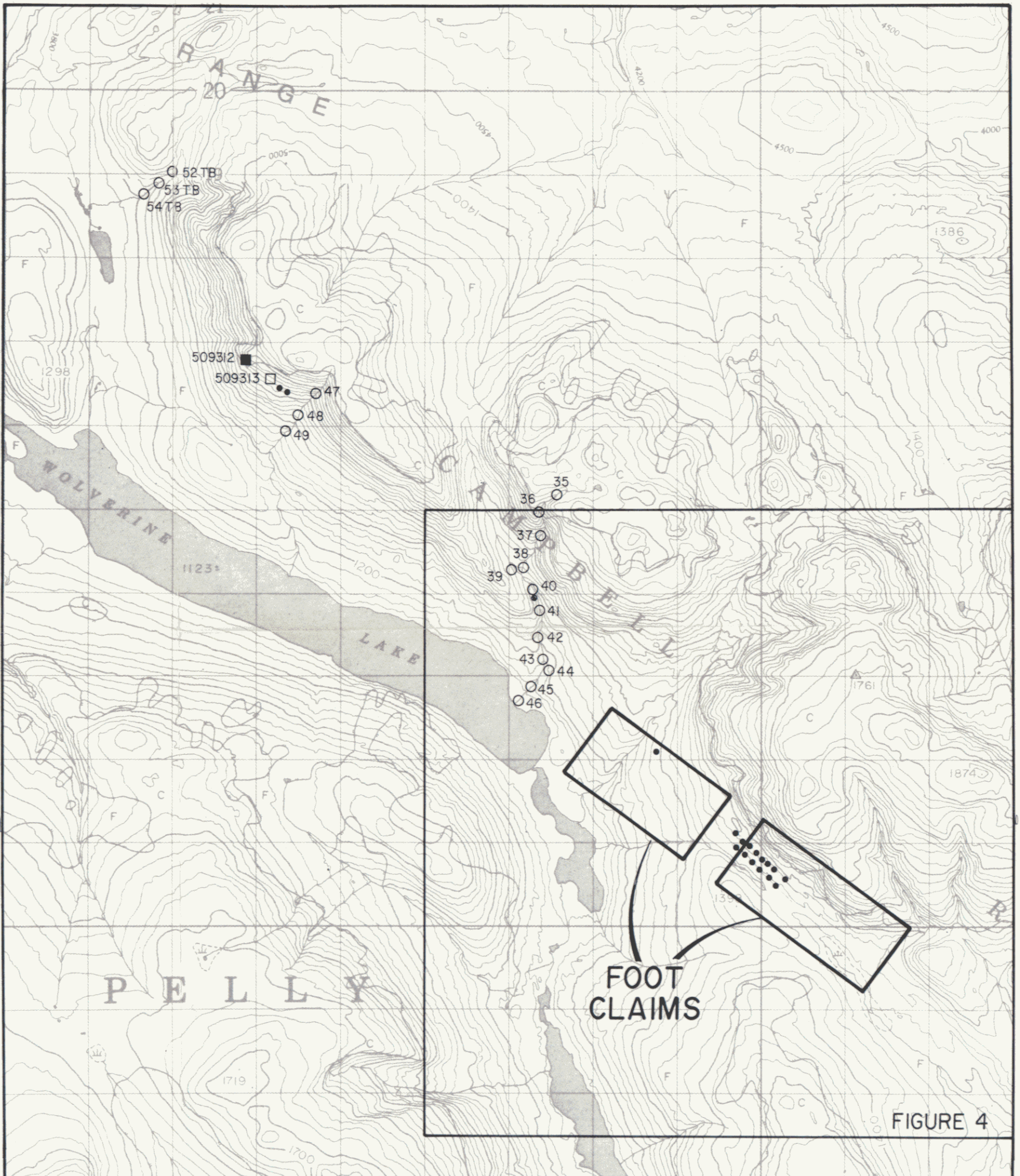


FIGURE 4

1993 SILT SAMPLE RESULTS

Sample	Au (ppb)	Ba (ppm)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
MBSLT93-35	<5	350	79	2	18	146
MBSLT93-36	<5	300	99	<1	16	152
MBSLT93-37	<5	260	68	<1	14	124
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MBSLT93-43	10	610	74	15	14	984
MBSLT93-44	<5	480	38	<1	16	210
MBSLT93-45	<5	370	47	<1	18	192
MBSLT93-46	<5	480	53	<1	14	256
MBSLT93-47	15	570	308	4	200	2268
MBSLT93-48	<5	310	937	2	184	3940
MBSLT93-49	<5	390	419	6	130	1572
S-52TB	<5	560	103	8	60	546
S-53TB	<5	870	92	13	40	466
S-54TB	<5	690	98	10	44	492

2 digit no. prefixed by MBSLT93-

1993 ROCK SAMPLE RESULTS

Sample	Au (ppb)	Ba (ppm)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
509312	<5	1610	53	2	40	44
509313	<5	3310	40	17	<2	268

- MAGNETITE IRON FORMATION FLOAT + OUTCROP
- SILT SAMPLE LOCATION
- ROCK SAMPLE LOCATION



093202



ATNA RESOURCES LTD.

FOOT 1-10, 13-20 CLAIMS  
GEOCHEMISTRY NORTHWEST  
OF FOOT CLAIMS

EQUITY ENGINEERING LTD.

DRAWN. MEB./J.W.	MINING DIV. WATSON LAKE
N.T.S. 105 6/8	SCALE. 1:50,000
DATE. MARCH, 1994	REVISED.

FIGURE.  
6