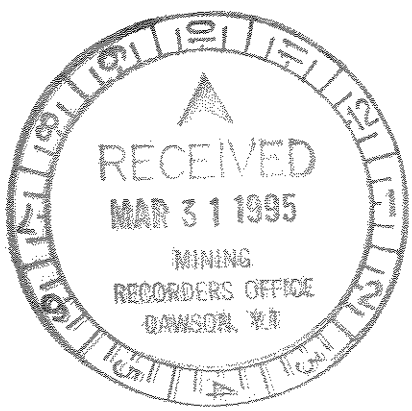
093298

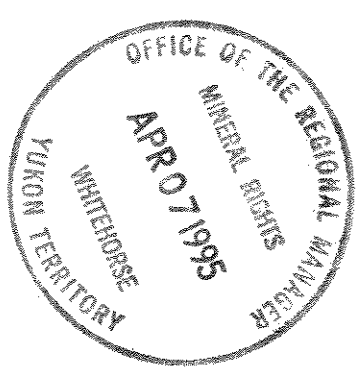
1994 GEOLOGICAL REPORT ON THE TRUK 1-8 CLAIMS

Located in the Ogilvie Mountains
Dawson Mining District
NTS 116B/13,14
64° 51'30" North Latitude
139° 29' West Longitude



-prepared for-
PENDISLE RESOURCES LIMITED

-prepared by-
Robert B. Falls, B.Sc.
Mark E. Baknes, P.Geo.



WORK PERFORMED: August, 1994
DATE OF REPORT: January, 1995

This report has been examined by the Technical Evaluation Unit under section 53 (4) Yukon Quartz Mining Act and is allowed as representation work in the amount of $ 2800.

M. Burke

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

1994 GEOLOGICAL REPORT ON THE TRUK 1-8 CLAIMS

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LIST OF FIGURES

1.0 INTRODUCTION

The Truk property, comprising the Truk 1-8 claims, is located in the southern Ogilvie Mountains, approximately 85 kilometres north of Dawson in west central Yukon (Figure 1). This part of the Ogilvie Mountains is cored by the Coal Creek Inlier (Lane, 1992), an oval-shaped and east-trending window of Middle and Late Proterozoic clastic and carbonate rocks that have been penetrated by mineralized breccias and cut by mafic sills and dykes. The geological setting of the southern Ogilvie Mountains is excellent for hosting Olympic Dam copper-uranium-gold-silver breccia type deposits. The Truk property was staked to cover mineralized breccia outcroppings, discovered during regional prospecting.

Geological mapping, prospecting and geochemical sampling were carried out on the Truk property during August of 1994. This work program was conducted jointly by Pamicon Developments Ltd. and Equity Engineering Ltd. for Pendisle Resources Limited. The same companies have been retained to report on the fieldwork.

2.0 LIST OF CLAIMS

The Truk property comprises 8 contiguous quartz mineral claims, located in the Dawson Mining District (Figure 2). Government records indicate that the following claims are owned by Mark Baknes of Vancouver, British Columbia.

TABLE 2.0.1
CLAIM DATA

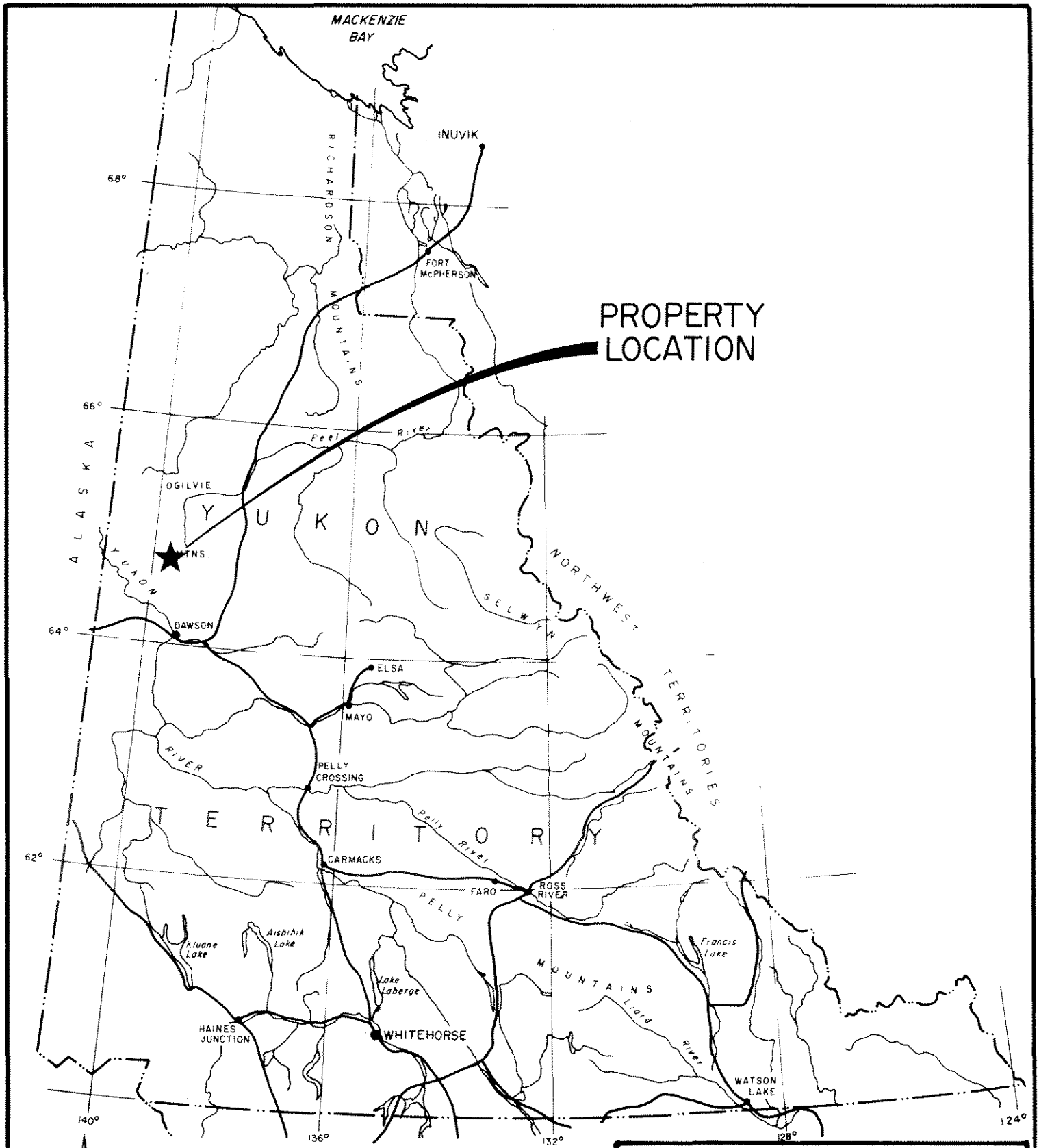
Claim Name	Record Numbers	Record Date	Expiry Date
Truk 1-8	YB52527-52534	Aug. 3, 1994	Dec. 31, 1997

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

3.0 LOCATION, ACCESS AND PHYSIOGRAPHY

The Truk property is located in the southern Ogilvie Mountains of west central Yukon, approximately 85 kilometres north of Dawson (Figure 1). The claims are situated in the Dawson Mining District, centered at 64° 51′30" north latitude and 139° 29′ west longitude.

The property lies in the western portion of the southern Ogilvie Mountains approximately 60 kilometres north of the Tintina Trench. This region was unaffected by continental glaciation during the Pleistocene (Lane, 1990) resulting in rounded mountainous terrain. Elevations on the Truk property range from 1,158 metres (3,800′) to 1585 metres (5,200′). The entire area is above tree line an is covered by alpine grasses and shrubs. Thick

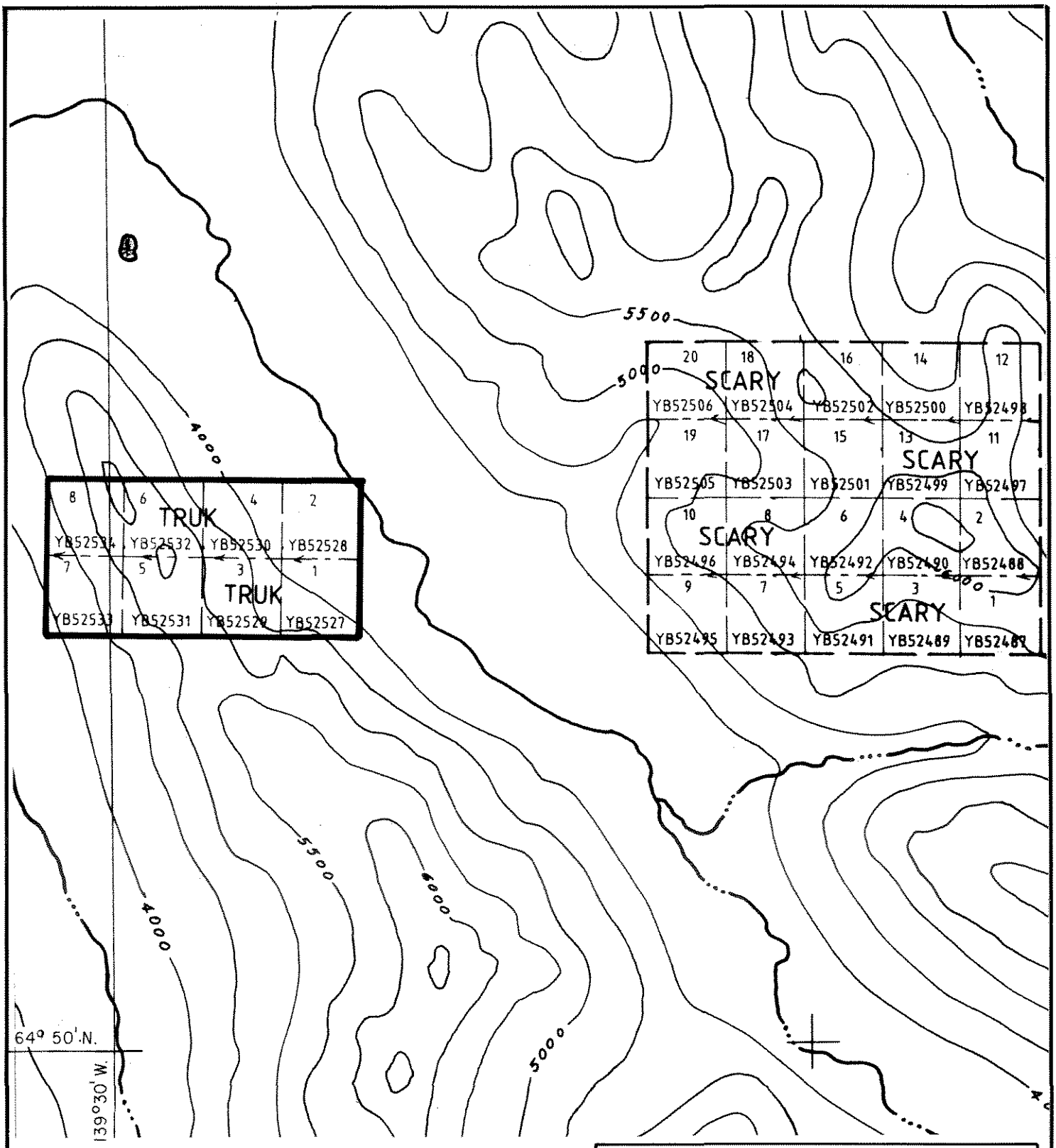


PENDISLE RESOURCES LTD.

TRUK 1-8 CLAIMS
LOCATION MAP
YUKON TERRITORY

— PAMICON DEVELOPMENTS LTD.—
—EQUITY ENGINEERING LTD.—

DRAWN:	J.W. / R.F.	MINING DIST.: DAWSON	FIGURE 1
N.T.S.:	116 B/13,14	SCALE: 1:500,000	
DATE:	NOV. 1994	REVISED:	



0 0.5 1.0 2.0

KILOMETRES

PENDISLE RESOURCES LTD.

TRUK 1-8 CLAIMS
CLAIM MAP

YUKON TERRITORY

PAMICON DEVELOPMENTS LTD.
EQUITY ENGINEERING LTD.

DRAWN:	J.W. / R.F.	MINING DIST.: DAWSON	FIGURE 2
N.T.S.:	116 B/13, 14	SCALE: AS SHOWN	
DATE:	NOV. 1994	REVISED:	

stands of spruce are found only in the major river valleys within this region.

The Truk property was accessed by helicopter from Dawson during the 1994 field program.

4.0 AREA EXPLORATION HISTORY AND 1994 EXPLORATION PROGRAM

4.1 Area Exploration History

The most concentrated exploration work in the area was carried out in the mid to late 70's by Hudson Bay, Dynasty, Cyprus Anvil and UMEX/Shell. That work was directed primarily at carbonate-hosted Pb-Zn targets in the Gillespie Lake Group. During that same period, UMEX/Shell conducted work on the breccia-hosted ID, DAS and Lala occurrences. The results of their geochemical surveys were very encouraging, but the anomalies were never thoroughly followed up. There was no further exploration recorded in the area until the recent staking of the Monster claims and the staking by Placer Dome and Major General of the Lala occurrence. In addition to their assessment of the Lala occurrence, Placer Dome conducted limited silt and rock sampling program in the Monster West and Southwest areas in 1992. In 1993, a preliminary exploration program was carried out by the Monster Joint Venture on the Monster 1-72 claims. The program focused on the two areas, the Monster East and Monster West and consisted of geological mapping, prospecting and soil geochemistry (Caulfield, 1994 a,b). In May of 1994, an additional 193 Monster claims were staked to span the area between the Monster East and West groups and to extend the claims to the southwest to cover known breccia occurrences.The Truk claims were staked during August of 1994.

4.2 1994 Exploration Program

During August of 1994, a preliminary exploration program was carried out on the Truk property, consisting of geological mapping, prospecting and geochemical sampling. The program was designed to determine the potential for an Olympic Dam copper-uranium-gold-silver breccia type deposit. Geological mapping was carried out on a scale of 1:10,000 (Figure 4). A total of 6 rock samples and 13 soil samples were taken during the field program (Figures 4, 5). Other rock and silt samples shown on Figure 4 were taken during regional prospecting and mapping completed prior to staking the Truk claims. All rock samples are described in Appendix D, and analytical certificates are attached in Appendix E. Rock samples were analyzed geochemically for gold and by ICP for 24 other elements. Samples exceeding 10,000 ppm copper were assayed. In the field, sample locations were marked by a metal tag and a combination of pink and blue flagging.

A contour soil sample line was established at an elevation of

4760 feet. (Figures 5). Soil samples were collected, where possible, from "B" horizon material at depths ranging from 10 to 40 cm and placed in labelled kraft envelopes. The sample site was marked in the field with plastic flagging and the sampler recorded notes pertaining to sample horizon, colour, texture, vegetation, and local physiography.

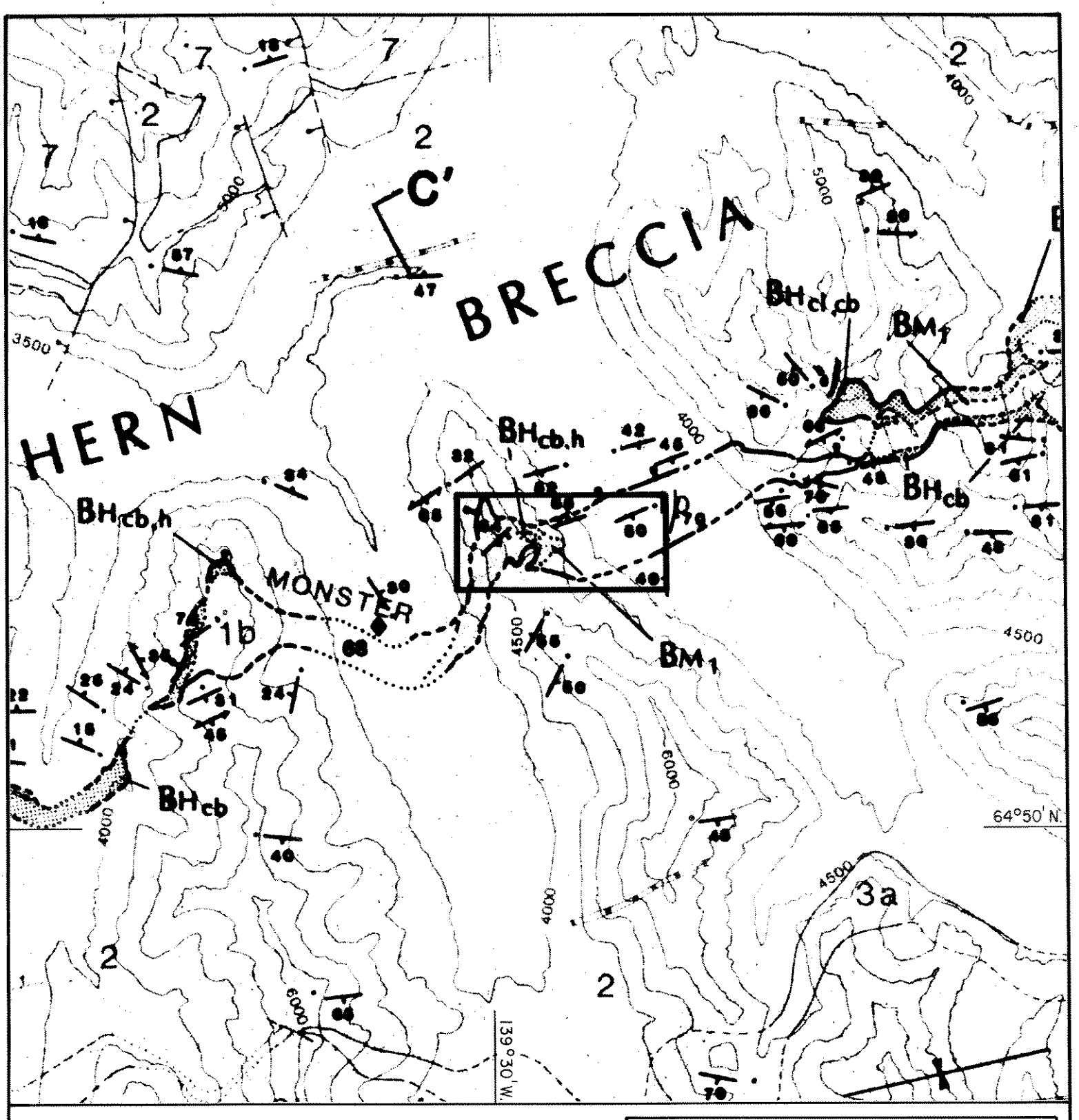
A silt samples was taken from a stream in the southern part of the property. The sample was placed in a labelled kraft envelope and the sample site was marked in the field with plastic flagging and metal tags. The sampler recorded notes pertaining to stream volume, depth and slope, sample colour and texture, and the petrology of nearby rock. The silt and soil samples were partially dried in camp and then shipped to Chemex Labs of North Vancouver, B.C. for sample preparation and analysis. Analytical procedures and a complete set of results for gold and 24-elements by ICP geochemistry may be found in the appendices.

5.0 REGIONAL GEOLOGY

The Dawson 1:250,000 map sheet (116B) was reconnaissance mapped by the Geological Survey of Canada in 1961 by Green and Roddick and published later in a memoir (Green, 1972). More recently, a smaller area which includes the Truk property, was mapped at 1:50,000 by R. Lane as part of a graduate thesis (Lane, 1990) and later as a government map release (Lane and Godwin, 1992). The Geological Survey of Canada has re-mapped the Dawson map area at a scale of 1:50,000 and this work is scheduled for release soon.

The Middle Proterozoic stratigraphy of the Coal Creek Inlier has been correlated by Lane (1990) to that of the Wernecke Supergroup as defined by Delaney (1985) in the Wernecke Mountains, some 250 kilometres to the east. The Wernecke Supergroup is a thick succession of generally fine-grained terrigenous and carbonate rocks of Helikian age that have been penetrated by mineralized breccias and cut by mafic sills and dykes (Figure 3). The entire succession has been mapped by Lane (1990) in the Coal Creek Inlier. The Wernecke Supergroup has been divided into three groups (oldest to youngest): Fairchild Lake Group, Quartet Group and Gillespie Lake Group. The Truk property is underlain by rocks of the Wernecke Supergroup. To the north, Cambrian to Devonian carbonate and clastic units unconformably overlie the Wernecke Supergroup stratigraphy whereas the Late Proterozoic Fifteenmile Group sediments lie unconformably over it to the south.

The Quartet Group consists of a monotonous succession of fine-grained, interbedded sandstone to siltstone and black argillite (Lane, 1990). Minor limestone and chert pebble conglomerate were noted during the current program. The Gillespie Lake strata consists of a lower unit of orange-weathering dolostone and an



Geology by: Lane and Godwin, 1992

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0 .5 1 2 3

KILOMETRES

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TRUK 1-8 CLAIMS
REGIONAL GEOLOGY
YUKON TERRITORY

PAMICON DEVELOPMENTS LTD.
EQUITY ENGINEERING LTD.

DRAWN: J.W.	MINING DIST.: DAWSON	FIGURE
N.T.S.: 116 B/13/14	SCALE: 1:50,000	3
DATE: NOV. 1994	REVISED:	

LEGEND

(to accompany Figure 3)

STRATIFIED UNITS

ORDOVICIAN TO DEVONIAN

8 **Road River Group**
black shale, chert

EARLY CAMBRIAN TO DEVONIAN

7 **CDb Formation**
pale grey dolostone

6 **Slats Creek Group**
dolostone, mudstone, sandstone, conglomerate

MIDDLE TO LATE PROTEROZOIC

5 **Upper Fifteenmile Group**
dolomitic limestone and dolostone

4 **Lower Fifteenmile Group**
c:mudstone, limestone, sandstone
b:dolostone and dolostone breccia
a:limestone, shale, sandstone, olistoliths

EARLY? TO MIDDLE PROTEROZOIC

3 **Gillespie Lake Group**
b:buff-weathering dolostone
a:orange-weathering dolostone

2 **Quartet Group**
sandstone, mudstone, argillite

1 **Fairchild Lake Group**
b:silty dolostone, mudstone, quartzite
a:platey dolomitic limestone

INTRUSIVE UNITS

PROTEROZOIC AND YOUNGER

Mafic dykes

OGILVIE MOUNTAIN BRECCIAS

PROTEROZOIC

Heterolithic Breccia
BHcb:carbonate-rich matrix
BHh:hematite-rich matrix
BHcl:chlorite-rich matrix

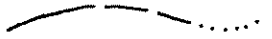
Monolithic Breccia
BM1:Fairchild Lake Group fragments
BM2:Quartet Group fragments
BM3:Gillespie Lake Group fragments

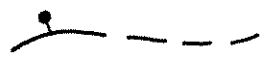
Unclassified Breccia

SYMBOLS


Bedding, Foliation, Jointing, Layering


Fold axis, Anticline, Syncline


Contacts (known, approximate, assumed)


Fault (ball denotes side down)


Disrupted bedding

upper unit of grey-weathering dolostone. Mafic, locally amygdaloidal, flows were mapped at the Quartet-Gillespie Lake contact. The Fairchild Lake Group rocks consist predominantly of light grey, dolomitic limestone and pink silty dolostone. The group also includes minor mudstone and quartzite.

Strata of the Wernecke Supergroup are cut by two east-west, fault-related belts of hematite breccias that are enriched in iron, copper, uranium, REE, cobalt and gold. The Truk property straddles the most northerly of the two breccia belts. Lane (1992) has subdivided the breccias into two main groups: homolithic (one clast type) and heterolithic (several clast types). Other breccia types including quartz-specularite breccia, intraformational breccia and rare pebble dykes were identified. Alteration minerals associated with the breccias are hematite (specular and earthy red varieties), carbonate, chlorite, silica and potassium feldspar. Fragments are normally subangular to subrounded and average 1 to 2 centimetres. Wernecke Supergroup strata are the dominant clast lithology with rare igneous, massive specular hematite and quartz vein fragments. The matrix of the breccia is comprised of the alteration minerals listed above and finely fragmented rock. The breccias mostly have steep discordant contacts although bodies following bedding have been mapped by Lane (1992). Maroon mudstone is associated with the breccia as interbeds, and as fragments and matrix of many breccias.

The Wernecke Supergroup and breccia bodies are cut by diorite. Conversely, fragments of the mafic intrusives are also found within the breccia indicating a close genetic relationship between the two. Lane (1990) reported a lead isotope date of 0.9 Ga from mineralization in a crosscutting dyke in a breccia penetrating lower Fifteenmile Group. This remains ambiguous, since Lane did not map dykes intruding Fifteenmile Group strata. These mafic units vary from a fine-grained, amygdaloidal form to medium-to coarse-grained equigranular varieties. Lane (1990) noted that the dykes are amygdaloidal where in contact with breccia bodies.

Proterozoic strata dip away in opposite directions on either side of the northern breccia belt, but bedding attitudes are much more contorted adjacent to the breccia bodies. The trend of the breccia belt follows the axial trace of an anticlinal structure and a steep zone of reverse faulting (Lane, 1990).

6.0 PROPERTY GEOLOGY AND MINERALIZATION

6.1 Property Geology

Limited mapping on the Truk property indicates that the northern part of the property is mostly underlain by Fairchild Lake Group sedimentary units (Unit **FL**). These rocks are in contact with Proterozoic breccias (Unit **B**) to the south. The Fairchild Lake

Group rocks consist of massive, blocky, pinkish-brown, silty dolostones (Unit **FLdo**) with minor mudstones (Unit **FLms**). Quartet Group sediments (Unit **Q**) only outcrop in the northwest and southwest corners of the property. They consist of well bedded, black shales (Unit **Qsh**) and siltstones (Unit **Qsl**). Attitudes within these rocks are variable. Minor diorite dykes and sills (Unit **Di**) have intruded the Proterozoic breccias.

An irregular breccia body (Unit **B**) occupies much of the southern part of the Truk property. The breccia grades between homolithic, or one clast type (Unit **Bm**) and heterolithic, containing more than one fragment type (Unit **Bt**). The breccias have been further subdivided based on clast and matrix composition. Both breccia types are matrix-supported with subrounded, altered sediment fragments ranging from 1.0 centimetre to 1.0 metre, but normally averaging less than 5 centimetres. The matrix consists of extremely milled fragments (<2-3 mm.) and hydrothermal minerals including quartz, orthoclase, carbonate, chlorite and specular hematite. These hydrothermal minerals are mainly within the breccia matrix, but also affect the fragments. A distinctive chalky white alteration and anomalously high sodium concentrations in rock samples, suggests that albite alteration is also present.

Dark green, medium to fine-grained diorite (Unit **Di**) occurs as dykes and sills. In general diorites are equigranular and composed of euhedral plagioclase and interstitial chloritized hornblende, magnetite and trace sulphides. Diorite intrusives have a close spatial, and perhaps, genetic association with breccias.

6.2 Mineralization

Several rock samples taken on the Truk property showed indications of copper mineralization. These are summarized in table 6.2.1.

TABLE 6.2.1
SIGNIFICANT ROCK SAMPLES

Sample	Type	Gold (ppb)	Silver (ppm)	Copper (ppm)	Lead (ppm)	Zinc (ppm)	Cobalt (ppm)
596619	Float	10	<0.2	6098	<2	2	18
596620	Float	<5	<0.2	27	<2	6	1184
596622	Float	<5	<0.2	3346	<2	16	11
596740	Float	<5	<0.2	2270	<2	26	25
596741	Float	<5	<0.2	1615	<2	22	20
596742	Float	10	1.2	3790	188	202	17
596743	Float	<5	<0.2	2360	28	20	53

All of the samples were taken from mineralized float boulders. Samples 596619 and 596620 were taken from boulders of altered siltstone, containing disseminated and stringer sulphides, in the southeastern part of the property. Boulders of similar

mineralization were very rare.

Samples 596622, 596740-596743 were taken from breccia float in the southwestern part of the property. The sampled material typically consisted of homolithic breccia with white, altered siltstone fragments in a chlorite-rich matrix. Mineralization consisted of disseminated pyrite, chalcopyrite and specular hematite. The samples returned copper values as high as 3790 ppm with generally low values for the other major base and precious metals. The abundance of this material suggests a nearby source. The sulphide mineralization may be related to diorite dykes which have intruded along the contact between breccia and Quartet Group shales.

7.0 SOIL GEOCHEMISTRY AND SILT GEOCHEMISTRY

A short contour soil line was established at an elevation of 4760 feet (1451 metres) (Figure 4). The soil line was designed to test for mineralization within breccias, which have been mapped in this area. A total of 13 samples were collected at 50 metre intervals along the line (Figure 5). Due to the small number of samples taken, a statistical analysis was not performed. For the purposes of this report, values for gold >10 ppb, silver >0.5 ppm, copper >200 ppm and cobalt >65 ppm are considered anomalous. Sample 450 N was anomalous in copper (240 ppm) and highly anomalous in gold (20 ppb) and cobalt (132 ppm). The sample lies within a gully towards the northern end of the soil line. This gully drains an area where several anomalous rock samples were taken (Section 6.2). The soil anomaly may reflect this mineralization or other undiscovered mineralization in this area. Two nearby soil samples also showed anomalous to highly anomalous cobalt.

One silt sample was taken on the Truk property during regional prospecting. Sample 94MB-9 was not found to be anomalous in any of the base or precious metals, relative to silts taken during regional work and government regional surveys.

139°29'W.

64°51'30"N.

550N

500N

CL 4760

<5, <0.2 27, 16
<5, <0.2 39, 49
<5, <0.2 240, 132
<5, <0.2 73, 28
<5, <0.2 64, 61
<5, <0.2 27, 126
<5, <0.2 30, 68
<5, <0.2 58, 56
<5, <0.2 41, 13
<5, <0.2 32, 15
<5, <0.2 101, 31
<5, <0.2 93, 51
<5, <0.2 37, 49

0 100 200 300
METRES

LEGEND

<5, <0.02 / 33, 40
Au Ag Cu Co
ppb ppm ppm ppm

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TRUK 1-8 CLAIMS
CL 4760
Au, Ag, Cu, Co IN SOILS
YUKON TERRITORY

PAMICON DEVELOPMENTS LTD.
EQUITY ENGINEERING LTD.

DRAWN: J.W. / R.F.	MINING DIST: DAWSON	FIGURE
N.T.S.: 116B/13	SCALE: AS SHOWN	5
DATE: NOV. 1994	REVISED:	

8.0 CONCLUSIONS AND RECOMMENDATIONS

The geology of the southern Ogilvie mountains is favourable towards hosting Olympic Dam type breccia deposits. Limited exploration on the Truk property has indicated the presence of breccias containing copper mineralization. The favourable results to date suggest that further exploration on the Truk property is warranted.

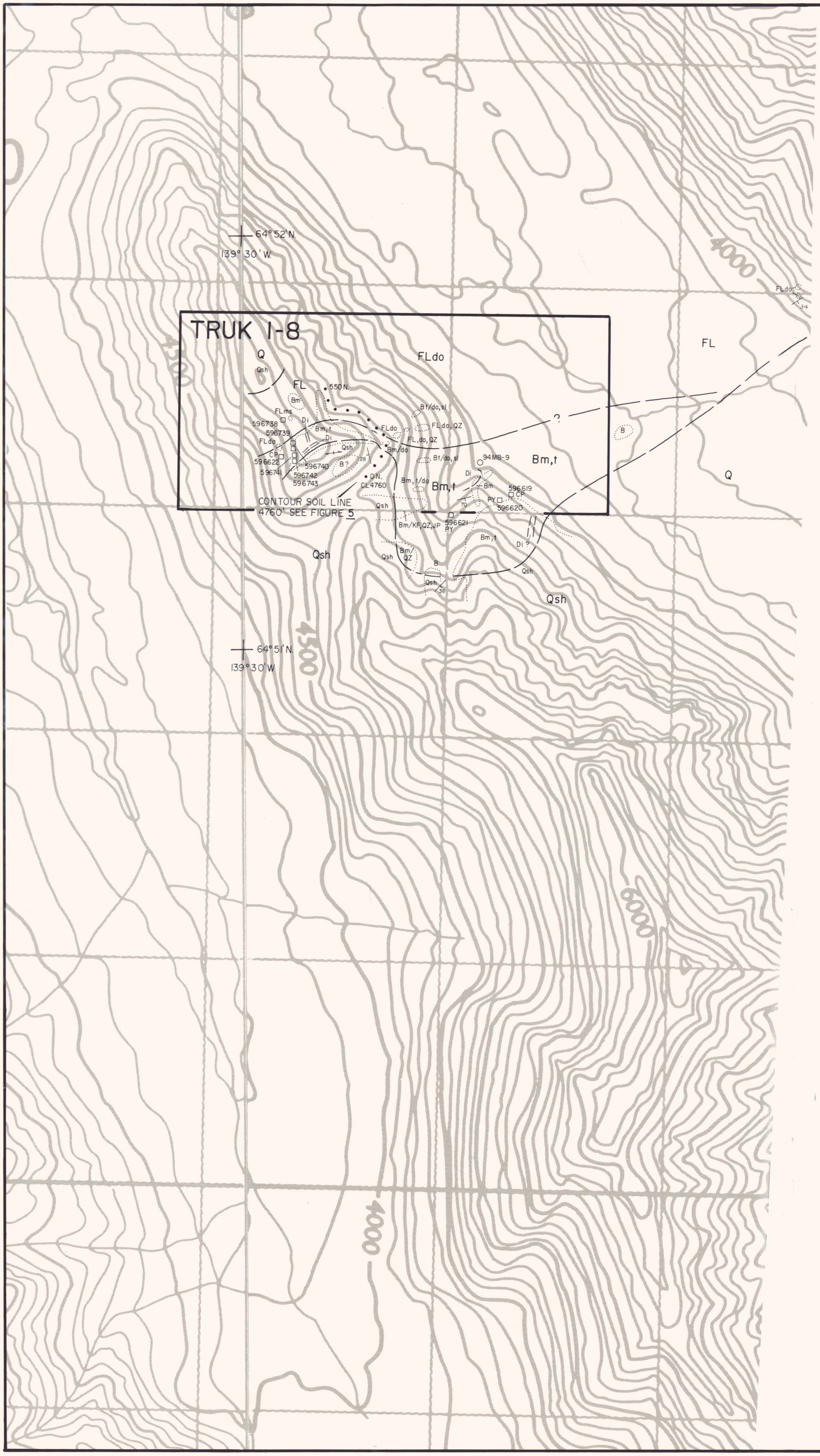
Respectfully submitted,

Robert B. Falls, B.Sc.
EQUITY ENGINEERING LTD.

Mark E. Baknes, P.Geo.
EQUITY ENGINEERING LTD.

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
M. E. BAKNES
GEOSCIENTIST

Vancouver, British Columbia
January, 1995



LEGEND

LITHOLOGIES

PROTEROZOIC

Di Diorite
B Breccia
- **Bt** Heterolithic breccia
- **Bm** Homolithic breccia

Note: Convention for breccia description; Breccia class/fragment type/matrix components, ie. Bm/do/CL indicates a homolithic breccia, with dolostone clasts, and chlorite matrix.

EARLY? TO MIDDLE PROTEROZOIC

Q Quartet Group
- **Qsh** black shale
- **Qsl** grey to black siltstone
- **Qqt** grey quartzite
- **Qms** mudstone

FL Fairchild Lake Group
- **FLdo** orange-brown dolostone
- **FLls** grey limestone
- **FLms** mudstone, **mm**-maroon, **mg**-grey
- **FLss** sandstone
- **FLsl** grey siltstone

SYMBOLS

- Outcrop boundary
- Geological contact (approximate)
- Fault (assumed)
- Bedding, Foliation, Jointing
- Lineation
- Vein
- Rock sample (float, outcrop)
- Silt sample
- Soil sample
- Contour soil line

ROCK AND MINERAL ABBREVIATIONS

ct	chert	CA	calcite
do	dolostone	CB	carbonate
ls	limestone	CL	chlorite
mg	grey mudstone	DO	dolomite
mm	maroon mudstone	EP	epidote
ms	mudstone	GR	graphite
qt	quartzite	JP	jasper
sh	shale	KF	orthoclase
sl	siltstone	PF	plagioclase
ss	sandstone	QZ	quartz
sw	stockwork	SD	siderite
		SI	silica

METALLIC AND SECONDARY MINERALS

CC	chalcocite	CP	chalcopyrite
GE	goethite	GL	galena
HE	hematite	HS	specularite
MC	malachite	PY	pyrite
SP	sphalerite		

1994 Rock Geochemical Analyses

Sample	Au (ppb)	Ag (ppm)	Co (ppm)	Cu (ppm)
596619	10	<0.2	18	6098
596620	<5	<0.2	1184	27
596621	<5	<0.2	33	949
596622	<5	<0.2	11	3346
596738	<5	<0.2	10	2
596739	<5	<0.2	13	2
596740	<5	<0.2	25	2270
596741	<5	<0.2	20	1615
596742	10	1.2	17	3790
596743	<5	<0.2	53	2360

1994 Silt Geochemical Analyses

Sample	Au (ppb)	Ag (ppm)	Co (ppm)	Cu (ppm)
94MB - 9	<5	<0.2	27	78

T.N.

093298

TRUE NORTH IS 1°35' W.
OF UTM GRID NORTH

Dwg (1)

METRES
0 200 400 600 800 1000

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TRUK 1-8 CLAIMS
GEOLOGY & GEOCHEMISTRY
YUKON TERRITORY

PAMICON DEVELOPMENTS LTD.
EQUITY ENGINEERING LTD.

DRAWN:	J.W./R.F.	MINING DISTRICT: DAWSON	FIGURE 4
N.T.S.:	116 B/14	SCALE: 1:10,000	
DATE:		REVISED:	

APPENDIX A

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BIBLIOGRAPHY

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APPENDIX B

LIST OF PERSONNEL

LIST OF PERSONNEL

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

APPENDIX C

STATEMENT OF EXPENDITURES

STATEMENT OF EXPENDITURES
TRUK 1-8 CLAIMS

CANADA) In the matter of an evaluation program on the
) Truk 1-8 Mineral Claims

I, Mark Baknes for Equity Engineering Ltd., 207, 675 West Hastings Street, Vancouver, B.C. do solemnly declare that a program consisting of geochemical sampling, geological mapping, and prospecting was carried out on the Truk 1-8 Mineral Claims on the date of August 4, 1994.

The following expenses were incurred during the course of this work and in the compilation and reporting of the results:

PROFESSIONAL FEES AND WAGES:		
Mark Baknes, P. Geo.		
1.8494 days @ $400/day	$ 739.76	
Robert Falls, Geologist		
0.8780 days @ $350/day	307.29	
Mark Malfair, Geologist		
0.8334 days @ $225/day	187.50	
Clerical		
8.6845 hours @ $20/hour	173.69	$ 1,408.24
EXPENSES:		
Aircraft Charters	$ 5.30	
Auto Fuel	1.39	
Camp Food	5.31	
Chemical Analyses	381.70	
Courier and Telefax	3.43	
Drafting	44.48	
Freight	13.60	
Helicopter Charters	648.65	
Maps and Publications	.95	
Materials and Supplies	12.75	
Meals	29.07	
Printing & Reproductions	44.79	
Telephone Distance Charges	4.96	
Travel	.27	1,196.65
EQUIPMENT RENTALS:		
4WD Equity	$ 3.33	
Handheld Radios	6.25	
Fly Camp	23.94	33.52
MANAGEMENT FEES:		
15% on expenses only		179.50

JOINT MOBILIZATION COSTS:		87.85
SUBTOTAL:	$	2,905.76
GST:		203.41
TOTAL:	**$**	**3,109.17**

Notes:

1. Wages and general expenses (all other costs) are pro rated according to man days allocated to each property.

2. Assay charges are based on actual numbers of samples from the property.

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)
_____ day of_____, 19____) _____

_____
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	earthy 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

Sample No.						Au	Ag	Ba	Co	Cu	Zn
	UTM :	7193083 N	Type : Float	Alteration :	wCB, wQZ	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		572282 E	Strike Length Exp. : m	Metallics :	2%CP, 2%HS						
596619	Elevation:	1235 m	Sample Width : m	Secondaries:	wMC	10.	<0.2	40.	18.	6098.	2.
	Orientation:	/	True Width : m	Host :	Blue grey siltstone						

Comments : Thin stringer stockwork of chalcopyrite with minor intergrown specularite and minor carbonate 20x20cm talus cobble, isolated no others in adjacent area.

Sample No.						Au	Ag	Ba	Co	Cu	Zn
	UTM :	7193062 N	Type : Float	Alteration :	wCB, sQZ, sPF	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		572229 E	Strike Length Exp. : m	Metallics :	10%PY						
596620	Elevation:	1270 m	Sample Width : m	Secondaries:	mGE	<5	<0.2	40.	1184.	27.	6.
	Orientation:	/	True Width : m	Host :	Bleached possible quartz-plagioclasse altered siltstn						

Comments : 20x20cm talus cobble pervasive banding/bedding parallel alteration, possibly quartz, plagioclase with 10% disseminated sub-euhedral pyrite, isolated mineralization.

Sample No.						Au	Ag	Ba	Co	Cu	Zn
	UTM :	7192990 N	Type : Float	Alteration :	CL, wKF, wQZ	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		572026 E	Strike Length Exp. : m	Metallics :	1%CP, 4%HS, 1%PY						
596621	Elevation:	1490 m	Sample Width : m	Secondaries:	mGE	<5	<0.2	110.	33.	949.	16.
	Orientation:	/	True Width : m	Host :	Dark green fine grained andesite						

Comments : 100x50cm boulder in quartet and breccia talus. Fine grained possibly volcanic with <5% stringers of quartz Kspar and specularite. Chalcopyrite very fine grained disseminations and 1mm blebs

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Sample No.						Au	Ag	Ba	Co	Cu	Zn
	UTM :	7193230 N	Type : Float	Alteration :	wCB, sCL,wMS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		571281 E	Strike Length Exp. : m	Metallics :	2%CP, 0.5%HS, 1%PY						
596622	Elevation:	1505 m	Sample Width : m	Secondaries:	trMC	<5	<0.2	240.	11.	3346.	16.
	Orientation:	/	True Width : m	Host :	Homolithic breccia, dark green matrix white frags						

Comments : Matrix supported 3-15mm subangular white siltstone fragments in a dark green chlotitic matrix +/- sericite very minor disseminated specularite, chalcopyrite and pyrite fine grained to 3mm blebs in matrix and fragments, 30x20cm block of talus.

Sample No.						Au	Ag	Ba	Co	Cu	Zn
	UTM :	7193389 N	Type : Float	Alteration :	mCB, sCL, wMS, mQZ	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		571289 E	Strike Length Exp. : m	Metallics :	1%HS, 2%PY						
596738	Elevation:	1555 m	Sample Width : m	Secondaries:	None	<5	<0.2	430.	10.	2.	16.
	Orientation:	/	True Width : m	Host :	Homo-heterolithic chlorite rich breccia						

Comments : Discontinuous pods? of chlorite rich breccia within weakly altered brown to maroon mudstone. Variable siltstone and dolomite fragments in very chlorite-rich matrix, some quartz fragments and matrix, pyrite euhedral and disseminated.

Sample No.						Au	Ag	Ba	Co	Cu	Zn
	UTM :	7193280 N	Type : Float	Alteration :	mCB,sCL,mDO,mKF,mMS,mQZ	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		571330 E	Strike Length Exp. : m	Metallics :	2%HS, 0.5%MG, 0.5%PY						
596739	Elevation:	1570 m	Sample Width : m	Secondaries:	None	<5	<0.2	240.	13.	2.	24.
	Orientation:	/	True Width : m	Host :	Heterolithic chlorite quartz rich breccia						

Comments : Chlorite-quartz rich matrix with quartz fragments rimmed in specular hematite, also minor magnetite, >15-20% of talus minor Kspar altered (near diorite contact).

Sample No.	UTM :	7193256 N	Type :	Alteration :	wCB, mCL, wMS	Au	Ag	Ba	Co	Cu	Zn
		571333 E	Strike Length Exp. : m	Metallics :	1.5%CP, 1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
596740	Elevation:	1570 m	Sample Width : m	Secondaries:	vwGE	<5	<0.2	90.	25.	2270.	26.
	Orientation:	/	True Width : m	Host :	Homolithic breccia, chloritic matrix, wht silts. frag						

Comments : Very similar to talus sampled 100m down slope on July 28? dark chlorite rich matrix supporting 0.5-2cm fragments of white siltstone. Chalcopyrite and pyrite is fine-grained and disseminated in matrix, but locally concentrated in fragments.

Sample No.	UTM :	7193236 N	Type : Float	Alteration :	wCB, sCL, wQZ	Au	Ag	Ba	Co	Cu	Zn
		571336 E	Strike Length Exp. : m	Metallics :	2.5%CP, 0.5%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
596741	Elevation:	1565 m	Sample Width : m	Secondaries:	None	<5	<0.2	330.	20.	1615.	22.
	Orientation:	/	True Width : m	Host :	Homolithic breccia white siltstone fragments, CH mtrx						

Comments : Chalcopyrite is very fine-grained disseminated and 0.5-2mm blebs, both in matrix and fragments. <10% of talus similarly mineralized.

Sample No.	UTM :	7193214 N	Type : Float	Alteration :	sCB, sCL, sDO, wQZ	Au	Ag	Ba	Co	Cu	Zn
		571340 E	Strike Length Exp. : m	Metallics :	0.7%CP, 1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
596742	Elevation:	1570 m	Sample Width : m	Secondaries:	wGE	10.	1.2	170.	17.	3790.	202.
	Orientation:	/	True Width : m	Host :	Chlorite rich homolithic breccia with siltstone frags						

Comments : 30x30cm talus block <10% is similar, may be weakly sheared, Fe-carbonate in matrix.

Sample No.	UTM :	7193214 N	Type : Float	Alteration :	sCB, sDO, sAK	Au	Ag	Ba	Co	Cu	Zn
		571340 E	Strike Length Exp. : m	Metallics :	2.5%CP, 0.5%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
596743	Elevation:	1570 m	Sample Width : m	Secondaries:	None	<5	<0.2	130.	53.	2360.	20.
	Orientation:	/	True Width : m	Host :	Brown Fe-carbonate altered homolithic breccia						

Comments : Probably ankerite altered equivalent of previous samples, 2-3% fine-grained to coarse-grained chalcopyrite. <5-10% of talus. On hanging wall side of thick diorite dyke, 3m from shale contact.

Sample No.	UTM :	7194817 N	Type : Float	Alteration :	wCA	Au	Ag	Ba	Co	Cu	Zn
		574947 E	Strike Length Exp. : m	Metallics :	1%HS, trPY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
596919	Elevation:	1755 m	Sample Width : m	Secondaries:	None	<5	0.2	480.	21.	7.	4.
	Orientation:	/	True Width : m	Host :	Heterolithic breccia						

Comments :

Sample No.	UTM :	7194799 N	Type : Float	Alteration :	None	Au	Ag	Ba	Co	Cu	Zn
		575042 E	Strike Length Exp. : m	Metallics :	7%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
596920	Elevation:	1750 m	Sample Width : m	Secondaries:	None	<5	0.4	360.	18.	6.	16.
	Orientation:	/	True Width : m	Host :	Heterolithic breccia of siltstone and mudstone						

Comments :

Sample No.						Au	Ag	Ba	Co	Cu	Zn
	UTM :	7195136 N	Type : Float	Alteration :	None	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		574874 E	Strike Length Exp. : m	Metallics :	7%HS						
596921	Elevation:	1725 m	Sample Width : m	Secondaries:	None	<5	0.4	380.	15.	6.	8.
	Orientation:	/	True Width : m	Host :	Heterolithic breccia						

Comments : Sampled from below an outcrop of breccia.

Sample No.						Au	Ag	Ba	Co	Cu	Zn
	UTM :	7195178 N	Type : Float	Alteration :	None	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
		574875 E	Strike Length Exp. : m	Metallics :	2%PY						
596922	Elevation:		Sample Width : m	Secondaries:	None	10.	<0.2	380.	23.	32.	14.
	Orientation:	/	True Width : m	Host :	Silicified sediment						

Comments : In talus slope below sample 596918.

Property : TRUK NTS : 116B/13,14 Date : FEBRUARY 14, 1995

Sample No.											
	UTM :	7193083 N	Type : Float	Alteration :	wCB, wQZ	Au	Ag	Ba	Mo	Ni	Zn
		572282 E	Strike Length Exp. : m	Metallics :	2%CP, 2%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
596619	Elevation:	1235 m	Sample Width : m	Secondaries:	wMC	10.	<0.2	40.	1.	25.	2.
	Orientation:	/	True Width : m	Host :	Blue grey siltstone						

Comments : Thin stringer stockwork of chalcopyrite with minor intergrown specularite and minor carbonate 20x20cm talus cobble, isolated no others in adjacent area.

Sample No.											
	UTM :	7193062 N	Type : Float	Alteration :	wCB, sQZ, sPF	Au	Ag	Ba	Mo	Ni	Zn
		572229 E	Strike Length Exp. : m	Metallics :	10%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
596620	Elevation:	1270 m	Sample Width : m	Secondaries:	mGE	<5	<0.2	40.	6.	56.	6.
	Orientation:	/	True Width : m	Host :	Bleached possible quartz-plagioclasse altered siltstn						

Comments : 20x20cm talus cobble pervasive banding/bedding parallel alteration, possibly quartz, plagioclase with 10% disseminated sub-euhedral pyrite, isolated mineralization.

Sample No.											
	UTM :	7192990 N	Type : Float	Alteration :	CL, wKF, wQZ	Au	Ag	Ba	Mo	Ni	Zn
		572026 E	Strike Length Exp. : m	Metallics :	1%CP, 4%HS, 1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
596621	Elevation:	1490 m	Sample Width : m	Secondaries:	mGE	<5	<0.2	110.	0.	45.	16.
	Orientation:	/	True Width : m	Host :	Dark green fine grained andesite						

Comments : 100x50cm boulder in quartet and breccia talus. Fine grained possibly volcanic with <5% stringers of quartz Kspar and specularite. Chalcopyrite very fine grained disseminations and 1mm blebs

---

Sample No.											
	UTM :	7193230 N	Type : Float	Alteration :	wCB, sCL,wMS	Au	Ag	Ba	Mo	Ni	Zn
		571281 E	Strike Length Exp. : m	Metallics :	2%CP, 0.5%HS, 1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
596622	Elevation:	1505 m	Sample Width : m	Secondaries:	trMC	<5	<0.2	240.	0.	10.	16.
	Orientation:	/	True Width : m	Host :	Homolithic breccia, dark green matrix white frags						

Comments : Matrix supported 3-15mm subangular white siltstone fragments in a dark green chlotitic matrix +/- sericite very minor disseminated specularite, chalcopyrite and pyrite fine grained to 3mm blebs in matrix and fragments, 30x20cm block of talus.

Sample No.											
	UTM :	7193389 N	Type : Float	Alteration :	mCB, sCL, wMS, mQZ	Au	Ag	Ba	Mo	Ni	Zn
		571289 E	Strike Length Exp. : m	Metallics :	1%HS, 2%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
596738	Elevation:	1555 m	Sample Width : m	Secondaries:	None	<5	<0.2	430.	1.	34.	16.
	Orientation:	/	True Width : m	Host :	Homo-heterolithic chlorite rich breccia						

Comments : Discontinuous pods? of chlorite rich breccia within weakly altered brown to maroon mudstone. Variable siltstone and dolomite fragments in very chlorite-rich matrix, some quartz fragments and matrix, pyrite euhedral and disseminated.

Sample No.											
	UTM :	7193280 N	Type : Float	Alteration :	mCB,sCL,mDO,mKF,mMS,mQZ	Au	Ag	Ba	Mo	Ni	Zn
		571330 E	Strike Length Exp. : m	Metallics :	2%HS, 0.5%MG, 0.5%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
596739	Elevation:	1570 m	Sample Width : m	Secondaries:	None	<5	<0.2	240.	0.	62.	24.
	Orientation:	/	True Width : m	Host :	Heterolithic chlorite quartz rich breccia						

Comments : Chlorite-quartz rich matrix with quartz fragments rimmed in specular hematite, also minor magnetite, >15-20% of talus minor Kspar altered (near diorite contact).

Sample No.	UTM :	7193256 N	Type :	Alteration :	wCB, mCL, wMS	Au	Ag	Ba	Mo	Ni	Zn
		571333 E	Strike Length Exp. : m	Metallics :	1.5%CP, 1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
596740	Elevation:	1570 m	Sample Width : m	Secondaries:	vwGE	<5	<0.2	90.	0.	29.	26.
	Orientation:	/	True Width : m	Host :	Homolithic breccia, chloritic matrix, wht silts. frag						

Comments : Very similar to talus sampled 100m down slope on July 28? dark chlorite rich matrix supporting 0.5-2cm fragments of white siltstone. Chalcopyrite and pyrite is fine-grained and disseminated in matrix, but locally concentrated in fragments.

Sample No.	UTM :	7193236 N	Type : Float	Alteration :	wCB, sCL, wQZ	Au	Ag	Ba	Mo	Ni	Zn
		571336 E	Strike Length Exp. : m	Metallics :	2.5%CP, 0.5%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
596741	Elevation:	1565 m	Sample Width : m	Secondaries:	None	<5	<0.2	330.	0.	21.	22.
	Orientation:	/	True Width : m	Host :	Homolithic breccia white siltstone fragments, CH mtrx						

Comments : Chalcopyrite is very fine-grained disseminated and 0.5-2mm blebs, both in matrix and fragments. <10% of talus similarly mineralized.

Sample No.	UTM :	7193214 N	Type : Float	Alteration :	sCB, sCL, sDO, wQZ	Au	Ag	Ba	Mo	Ni	Zn
		571340 E	Strike Length Exp. : m	Metallics :	0.7%CP, 1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
596742	Elevation:	1570 m	Sample Width : m	Secondaries:	wGE	10.	1.2	170.	30.	36.	202.
	Orientation:	/	True Width : m	Host :	Chlorite rich homolithic breccia with siltstone frags						

Comments : 30x30cm talus block <10% is similar, may be weakly sheared, Fe-carbonate in matrix.

Sample No.	UTM :	7193214 N	Type : Float	Alteration :	sCB, sDO, sAK	Au	Ag	Ba	Mo	Ni	Zn
		571340 E	Strike Length Exp. : m	Metallics :	2.5%CP, 0.5%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
596743	Elevation:	1570 m	Sample Width : m	Secondaries:	None	<5	<0.2	130.	6.	11.	20.
	Orientation:	/	True Width : m	Host :	Brown Fe-carbonate altered homolithic breccia						

Comments : Probably ankerite altered equivalent of previous samples, 2-3% fine-grained to coarse-grained chalcopyrite. <5-10% of talus. On hanging wall side of thick diorite dyke, 3m from shale contact.

Sample No.	UTM :	7194817 N	Type : Float	Alteration :	wCA	Au	Ag	Ba	Mo	Ni	Zn
		574947 E	Strike Length Exp. : m	Metallics :	1%HS, trPY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
596919	Elevation:	1755 m	Sample Width : m	Secondaries:	None	<5	0.2	480.	0.	17.	4.
	Orientation:	/	True Width : m	Host :	Heterolithic breccia						

Comments :

Sample No.	UTM :	7194799 N	Type : Float	Alteration :	None	Au	Ag	Ba	Mo	Ni	Zn
		575042 E	Strike Length Exp. : m	Metallics :	7%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
596920	Elevation:	1750 m	Sample Width : m	Secondaries:	None	<5	0.4	360.	0.	34.	16.
	Orientation:	/	True Width : m	Host :	Heterolithic breccia of siltstone and mudstone						

Comments :

Sample No.	UTM :	7195136 N	Type : Float	Alteration : None	Au	Ag	Ba	Mo	Ni	Zn
		574874 E	Strike Length Exp. : m	Metallics : 7%HS	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
596921	Elevation:	1725 m	Sample Width : m	Secondaries: None	<5	0.4	380.	0.	18.	8.
	Orientation:	/	True Width : m	Host : Heterolithic breccia						

Comments : Sampled from below an outcrop of breccia.

Sample No.	UTM :	7195178 N	Type : Float	Alteration : None	Au	Ag	Ba	Mo	Ni	Zn
		574875 E	Strike Length Exp. : m	Metallics : 2%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
596922	Elevation:		Sample Width : m	Secondaries: None	10.	<0.2	380.	1.	16.	14.
	Orientation:	/	True Width : m	Host : Silicified sediment						

Comments : In talus slope below sample 596918.

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

A9422103

Comments: ATTN: MARK BAKNES

CERTIFICATE A9422103

EQUITY ENGINEERING LTD.

Project: JR94-02
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 15-AUG-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	133	Geochem ring to approx 150 mesh
226	133	0-5 lb crush and split
285	133	ICP - HF digestion charge

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	133	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
578	133	Ag ppm: 24 element, rock & core	AAS	0.2	200
573	133	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	133	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	133	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	133	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	133	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	133	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	133	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	133	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	133	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	133	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	133	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	133	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	133	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	133	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	133	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	133	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	133	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	133	Pb ppm: 24 element, rock & core	AAS	2	10000
582	133	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	133	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	133	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	133	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	133	Zn ppm: 24 element, rock & core	ICP-AES	2	10000

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

Project : TRUK
Comments: ATTN: MARK BAKNES

Page Number :1-A
Total Pages :2
Certificate Date: 15-AUG-94
Invoice No. :I9422103
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9422103

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)
596619	205	226	10	< 0.2	6.36	40	< 0.5	< 2	4.44	< 0.5	18	78	6100	8.73	0.11	0.76
596620	205	226	< 5	< 0.2	7.10	40	< 0.5	< 2	1.98	< 0.5	1185	92	27	8.50	0.09	1.17
596621	205	226	< 5	< 0.2	6.72	110	< 0.5	< 2	2.02	< 0.5	33	66	949	10.50	0.11	3.75
596622	205	226	< 5	< 0.2	5.20	240	< 0.5	< 2	5.71	< 0.5	11	59	3350	4.55	1.54	1.87

CERTIFICATION:

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

Project : TRUK
Comments: ATTN: MARK BAKNES

Page Number :1-B
Total Pages :2
Certificate Date: 15-AUG-94
Invoice No. :I9422103
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9422103

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)
596619	205	226	485	1	5.07	25	80	< 2	41	0.68	291	< 10	2
596620	205	226	675	6	5.64	56	910	< 2	18	0.16	80	< 10	6
596621	205	226	420	< 1	3.37	45	260	< 2	25	0.49	265	< 10	16
596622	205	226	1790	< 1	1.68	10	770	< 2	47	0.21	52	< 10	16

CERTIFICATION:

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

A9422126

Comments: ATTN: MARK BAKNES

CERTIFICATE A9422126

EQUITY ENGINEERING LTD.

Project: JR94-02
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 13-AUG-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	61	Dry, sieve to -80 mesh
203	12	Dry, sieve to -35 mesh
205	12	Geochem ring to approx 150 mesh
285	73	ICP - HF digestion charge

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	73	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
578	73	Ag ppm: 24 element, rock & core	AAS	0.2	200
573	73	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	73	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	73	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	73	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	73	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	73	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	73	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	73	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	73	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	73	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	73	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	73	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	73	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	73	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	73	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	73	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	73	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	73	Pb ppm: 24 element, rock & core	AAS	2	10000
582	73	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	73	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	73	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	73	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	73	Zn ppm: 24 element, rock & core	ICP-AES	2	10000

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

Project : TRUK
Comments: ATTN: MARK BAKNES

Page Number : 1-A
Total Pages : 2
Certificate Date: 13-AUG-94
Invoice No. : I9422126
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9422126

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)
94MB-09	201	285	< 5	< 0.2	6.84	800	1.0	2	1.14	< 0.5	27	61	78	4.13	2.27	1.49

CERTIFICATION: _____

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

Project : TRUK
Comments: ATTN: MARK BAKNES

Page Number : 1-B
Total Pages : 2
Certificate Date: 13-AUG-94
Invoice No. : I9422126
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9422126

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)			
94MB-09	201	285	2880	1	0.93	23	1090	10	55	0.24	82	< 10	48			

CERTIFICATION:

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

A9424117

Comments: ATTN: M. BAKNES

CERTIFICATE A9424117

(EIA) - EQUITY ENGINEERING LTD.

Project: JR94-02 TRUK
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 13-SEP-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	13	Dry, sieve to -80 mesh
285	13	ICP - HF digestion charge

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	13	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
578	13	Ag ppm: 24 element, rock & core	AAS	0.2	200
573	13	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	13	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	13	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	13	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	13	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	13	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	13	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	13	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	13	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	13	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	13	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	13	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	13	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	13	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	13	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	13	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	13	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	13	Pb ppm: 24 element, rock & core	AAS	2	10000
582	13	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	13	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	13	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	13	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	13	Zn ppm: 24 element, rock & core	ICP-AES	2	10000

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

Project : JR94-02 TRUK
Comments: ATTN: M. BAKNES

Page Number : 1-A
Total Pages : 1
Certificate Date: 13-SEP-94
Invoice No. : I9424117
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9424117

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)
CL 4760-000N	201	285	< 5	< 0.2	6.32	810	1.0	< 2	0.99	< 0.5	49	74	37	4.56	1.21	0.89
CL 4760-050N	201	285	< 5	< 0.2	5.58	3010	1.0	< 2	0.55	< 0.5	51	75	93	4.61	0.14	1.00
CL 4760-100N	201	285	< 5	< 0.2	6.04	2140	1.0	< 2	1.62	< 0.5	31	60	101	8.00	1.21	1.25
CL 4760-150N	201	285	< 5	< 0.2	6.02	720	1.0	< 2	1.18	< 0.5	15	65	32	6.10	2.56	0.96
CL 4760-200N	201	285	< 5	< 0.2	5.24	750	0.5	< 2	3.27	< 0.5	13	46	41	6.06	3.46	1.36
CL 4760-250N	201	285	< 5	< 0.2	4.80	720	0.5	< 2	1.37	< 0.5	56	43	58	4.16	2.40	0.54
CL 4760-300N	201	285	< 5	< 0.2	5.12	990	0.5	< 2	1.19	< 0.5	68	47	30	5.77	3.42	0.62
CL 4760-350N	201	285	< 5	< 0.2	4.75	1200	0.5	< 2	2.18	< 0.5	126	49	27	6.06	3.19	1.32
CL 4760-400N	201	285	< 5	< 0.2	5.23	1110	1.0	< 2	1.20	< 0.5	61	45	64	6.46	2.85	1.22
CL 4760-425N	201	285	< 5	< 0.2	6.85	1040	2.0	< 2	1.02	< 0.5	28	61	73	7.66	2.27	1.31
CL 4760-450N	201	285	20	< 0.2	6.08	960	2.0	2	0.91	< 0.5	132	63	240	6.26	2.68	0.96
CL 4760-500N	201	285	< 5	< 0.2	7.03	930	2.0	< 2	0.99	0.5	49	55	39	7.87	1.99	1.31
CL 4760-550N	201	285	< 5	< 0.2	7.72	1450	2.0	< 2	0.83	0.5	16	71	27	5.17	2.64	1.15

CERTIFICATION:

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

Project : JR94-02 TRUK
Comments: ATTN: M. BAKNES

Certificate Date: 13-SEP-94
Invoice No. : I9424117
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9424117

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)
CL 4760-000N	201	285	2980	1	2.04	28	1700	12	110	0.37	119	< 10	56
CL 4760-050N	201	285	2300	< 1	4.72	21	940	2	37	0.23	122	< 10	20
CL 4760-100N	201	285	9020	< 1	1.87	27	1090	4	93	0.28	129	< 10	54
CL 4760-150N	201	285	5730	< 1	0.91	28	1180	16	132	0.36	94	< 10	68
CL 4760-200N	201	285	7880	2	0.58	19	1150	4	56	0.26	64	< 10	36
CL 4760-250N	201	285	7060	< 1	0.74	24	2450	10	100	0.23	62	< 10	40
CL 4760-300N	201	285	7220	< 1	0.72	23	1570	4	73	0.24	64	< 10	34
CL 4760-350N	201	285	7560	1	0.60	31	2230	6	73	0.22	64	< 10	34
CL 4760-400N	201	285	8990	1	0.57	29	1390	8	69	0.22	66	< 10	38
CL 4760-425N	201	285	8880	4	1.16	29	1280	8	116	0.26	92	< 10	58
CL 4760-450N	201	285	4750	3	0.62	43	1270	16	64	0.27	85	< 10	42
CL 4760-500N	201	285	6900	1	1.07	35	1460	< 2	107	0.21	102	< 10	50
CL 4760-550N	201	285	3400	1	0.79	19	850	< 2	66	0.24	81	< 10	26

CERTIFICATION: [signature]

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

A9424118

Comments: ATTN: M. BAKNES

CERTIFICATE A9424118

(EIA) - EQUITY ENGINEERING LTD.

Project: JR94-02 TRUK
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 12-SEP-94.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	6	Geochem ring to approx 150 mesh
226	6	0-5 lb crush and split
285	6	ICP - HF digestion charge

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
100	6	Au ppb: Fuse 10 g sample	FA-AAS	5	10000
578	6	Ag ppm: 24 element, rock & core	AAS	0.2	200
573	6	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	6	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	6	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	6	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	6	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	6	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	6	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	6	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	6	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	6	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	6	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	6	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	6	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	6	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	6	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	6	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	6	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	6	Pb ppm: 24 element, rock & core	AAS	2	10000
582	6	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	6	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	6	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	6	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	6	Zn ppm: 24 element, rock & core	ICP-AES	2	10000

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.

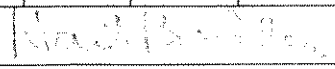
207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : JR94-02 TRUK
Comments: ATTN: M. BAKNES

Page Number : 1-A
Total Pages : 1
Certificate Date: 12-SEP-94
Invoice No. : I9424118
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9424118

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)
596738	205	226	< 5	< 0.2	6.06	430	0.5	2	3.14	< 0.5	10	96	2	5.16	3.90	2.03
596739	205	226	< 5	< 0.2	6.03	240	0.5	< 2	2.35	< 0.5	13	97	2	6.99	1.80	3.18
596740	205	226	< 5	< 0.2	5.36	90	< 0.5	< 2	4.73	< 0.5	25	61	2270	7.49	0.66	2.85
596741	205	226	< 5	< 0.2	4.83	330	< 0.5	6	3.54	< 0.5	20	88	1615	5.14	2.35	1.99
596742	205	226	10	1.2	4.85	170	< 0.5	< 2	3.28	< 0.5	17	93	3790	5.63	1.29	3.43
596743	205	226	< 5	< 0.2	4.35	130	< 0.5	4	5.02	< 0.5	53	78	2360	5.37	1.05	1.25

CERTIFICATION: 

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

Project : JR94-02 TRUK
Comments: ATTN: M. BAKNES

Page Number :1-B
Total Pages :1
Certificate Date: 12-SEP-94
Invoice No. :19424118
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9424118

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)			
596738	205	226	1660	1	0.33	34	730	< 2	21	0.26	79	< 10	16			
596739	205	226	1190	< 1	0.89	62	870	< 2	16	0.24	104	< 10	24			
596740	205	226	1510	< 1	1.14	29	660	< 2	34	0.26	59	< 10	26			
596741	205	226	1440	< 1	0.59	21	670	< 2	30	0.21	48	< 10	22			
596742	205	226	1545	30	1.69	36	880	188	14	0.16	53	< 10	202			
596743	205	226	6450	6	2.89	11	660	28	32	0.20	41	< 10	20			

CERTIFICATION: _____

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:

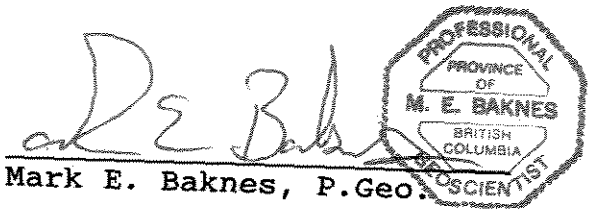
1. THAT I am a Consulting Geologist with offices at Suite 207, 675 West Hastings Street, Vancouver, British Columbia.

2. THAT I am a graduate of the University of British Columbia with a Bachelor of Science degree in Geology.

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 on fieldwork carried out under my direction in August 1994, government publications and assessment reports filed with the Yukon. I have examined the property in the field.

DATED at Vancouver, British Columbia, this 27th day of February, 1995.



Mark E. Baknes, P.Geo.

GEOLOGIST'S CERTIFICATE

I, Robert B. Falls, of 103 - 2181 Panorama Drive, North 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 Toronto with a Bachelor of Science degree in Geology.

3. THAT this report is based on property work completed during 1994, government publications and assessment reports filed with the Yukon. I have examined the property in the field.

DATED at Vancouver, British Columbia, this 23rd day of February, 1995.

Robert Falls

Robert B. Falls, BSc