1995 SUMMARY REPORT ON THE PAK 1-70 CLAIMS

Located in the Pelly Mountains
Watson Lake Mining District
NTS 105G/7
61° 21' North Latitude
130° 36' West Longitude

-prepared for-

WESTMIN RESOURCES LIMITED
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-prepared by-

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DATES OF WORK PERFORMED: June 18 and June 29, 1995
DATE OF REPORT: April 1996

1995 SUMMARY REPORT ON THE PAK 1-70 CLAIMS

TABLE OF CONTENTS

1.0 INTRODUCTION

The Pak claims consist of 70 contiguous Yukon mineral claims located in the Watson Lake Mining District (Figure 1). The original Pak 1-36 claims were staked in 1993 to cover a Yukon Minfile occurrence hosted within a Devonian-Mississippian sequence considered favourable for hosting volcanogenic massive sulphides (VMS). The Pack Showing was first explored by Conwest in 1961, who conducted an exploration drill program. The property was briefly examined again in 1980 by Archer Cathro Limited, as part of a regional program conducted on behalf of Chevron Canada Limited.

In February 1995, 34 more Pak claims were added, bringing the total to 70 claims. On the days of June 18 and 29 1995, a small program of rock sampling, soil sampling and mapping was carried out. The objective of the program was to better define soil geochemical anomalies and obtain rock samples of suspected felsic volcanics for comparison to the nearby Foot property (Wolverine Project).

2.0 LIST OF CLAIMS

Yukon government records indicate that the following claims (Table 2.0.1)(Figure 2) are held by Westmin Resources Limited (Westmin).

TABLE 2.0.1
CLAIM DATA

Claim Name	Record Numbers	Record Date	Expiry Date	NTS
Pak 1 - 20	YB45974-993	19/07/93	31/12/2002	105G/7
Pak 21 - 36	YB51516-531	09/08/94	31/12/1999	105G/7
Pak 37 - 70	YB58617-650	22/02/95	31/12/2000	105G/7*

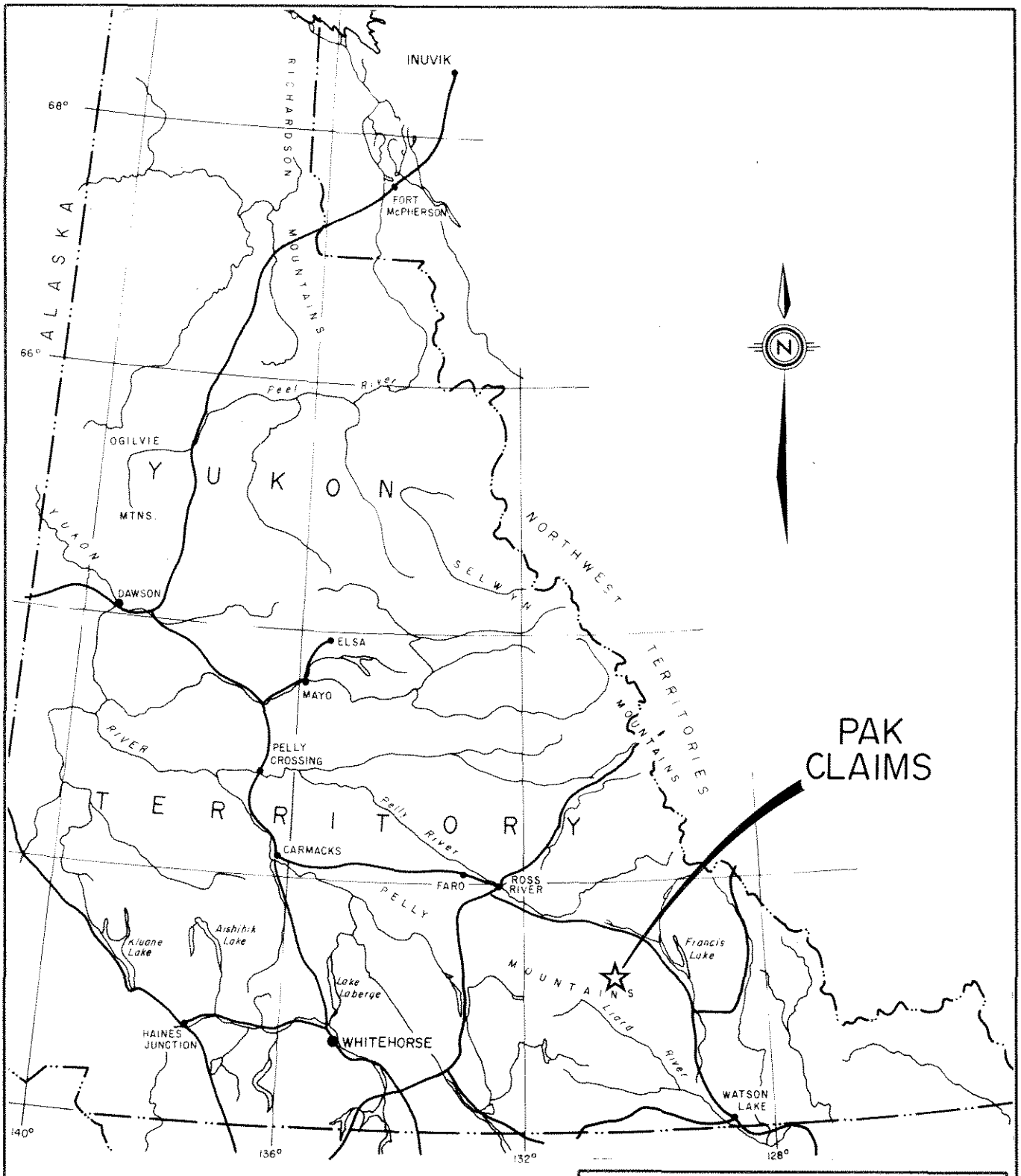
* Subject to approval of assessment work covered by this report

3.0 LOCATION, ACCESS AND PHYSIOGRAPHY

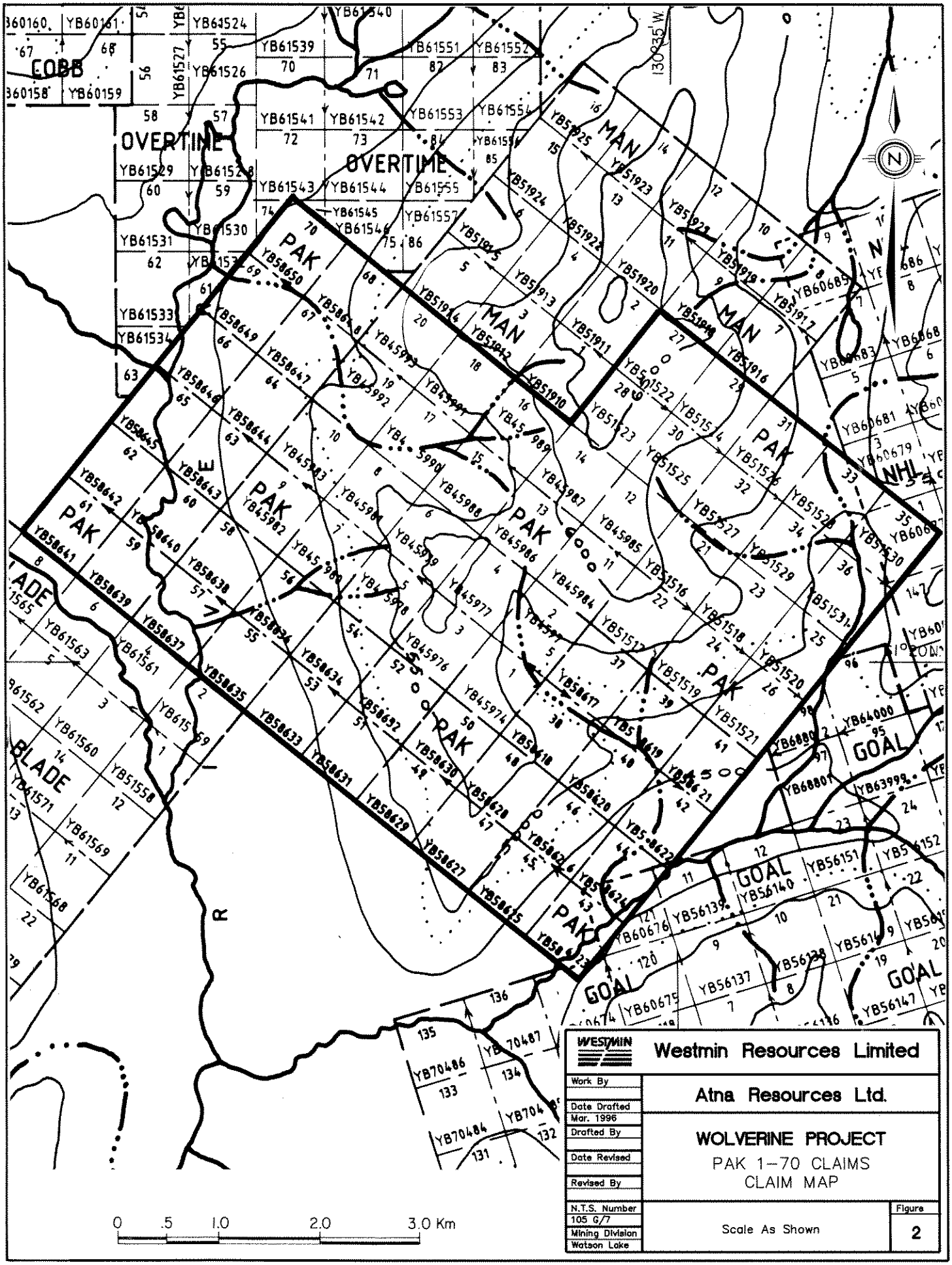
The Pak claims are located within the Pelly Mountains, approximately 120 kilometres southeast of Ross River, in the southeast Yukon . They lie within the Watson Lake Mining District, centred at 61° 21' north latitude and 130° 36' west longitude.

Access to the Pak claims during the 1995 field program was provided by helicopter based at Wolverine Lake. Cominco is at present constructing a road from the Robert Campbell Highway, near Finlayson Lake to their ABM deposit. This will bring road access to a point approximately 12 kilometres from the Pak property.

The Pak claims lie on the east side of the North River valley opposite its source at North Lakes. The North River valley is at approximately 1250 metres elevation and is covered with scattered black spruce and low lying buck brush. Topography is moderately rugged with maximum elevations in the area averaging 2000 metres. Above tree line, which averages 1400 metres, vegetation is very sparse and most slopes are talus covered. The moderate alpine terrane with very little vegetation makes for easy access to most areas. Outcrop exposure is restricted to the higher slopes and averages approximately 15 to 20%.



WESTMIN	Westmin Resources Limited
Work By	Atna Resources Ltd.
Date Drafted	
Drafted By	WOLVERINE PROJECT
Date Revised	PAK 1–70 CLAIMS
Revised By	LOCATION MAP
N.T.S. Number 105 G/8	5 0 5 10 15km
Mining Division Watson Lake	SCALE 1 : 500,000
	Figure 1


COBB
OVERTIME
OVERTIME
PAK
MAN
MAN
PAK
PAK
PAK
PAK
PAK
PAK
PAK
BLADE
BLADE
GOAL
GOAL
GOAL
NHL
N
0 .5 1.0 2.0 3.0 Km
WESTMIN
Westmin Resources Limited
Work By
Atna Resources Ltd.
Date Drafted
Mar. 1996
Drafted By
WOLVERINE PROJECT
PAK 1–70 CLAIMS
CLAIM MAP
Date Revised
Revised By
N.T.S. Number
105 G/7
Mining Division
Watson Lake
Scale As Shown
Figure
2

4.0 PROPERTY EXPLORATION HISTORY

The Pack occurrence was first discovered by Conwest Exploration Company Limited in the summer of 1961 and staked as the Pack 1-88 claims. Conwest completed a prospecting program defining the extent of the original Pack occurrence and a second showing approximately 800 metres to the east. Conwest drilled two holes on the Pack occurrence that fall, totalling 161.2 metres, but failed to intersect mineralization (Ashton, 1961). The claims were staked as the Repack claims in 1977 by Cominco, but no work was filed. In 1979, the claims were staked as the Outlaw claims by Chevron Canada Ltd, which performed mapping (Schmidt, 1981). In 1993, the Pak 1-20 claims were staked and a limited exploration program including geological mapping, rock sampling, soil and silt sampling was completed by Equity Engineering Ltd. on behalf of Atna Resources Limited (Atna)(Baknes, 1994). In August of 1994, 16 claims were added and in September, a 2 week program consisting of mapping, rock and soil sampling and MAG/VLF geophysics was completed.

5.0 1995 EXPLORATION PROGRAM

On June 18 and 29, a program of soil and rock geochemistry, and limited geological mapping was completed on the Pak claims. This work was conducted by Equity Engineering Ltd. on behalf of Westmin Resources Limited. Equity Engineering Ltd. has been retained to report on the field work activities. The objective of the program was to further define specific soil geochemical anomalies and obtain lithogeochemical data for comparison with data from the nearby Foot claims.

A magnetic declination of 29° 45' east of true north was used in all compass work and mapping. Stations were marked at 25 metre intervals with tyvek tags and orange flagging.

A total of 9 rock samples and 4 whole rock, 43 soil samples were taken in the central area of the property. Rock, soil and silt samples were analysed geochemically for gold and by ICP for 24 elements. A separate XRF analysis was conducted on rocks for barium determination. Whole rock samples were analysed for major and trace elements by XRF. In the field, rock sample locations were marked by a metal tag and a combination of pink and blue flagging. Soil and silt sample locations were marked with orange flagging and tyvek tags. Samples were taken at 50 metre intervals on selected grid lines. Soil samples were collected, where possible, from "B" horizon material at depths ranging from 10 to 40 cm and placed in numbered kraft envelopes; however, many of the samples taken from steep slopes consisted largely of talus fines. The sampler recorded notes pertaining to sample horizon, colour, texture, and local physiography. Samples were partially dried in camp and then shipped to Chemex Labs of North Vancouver, B.C. for sample preparation and analysis. All rock samples are described in Appendix D, and analytical certificates for all samples are attached in Appendix E.

6.0 REGIONAL GEOLOGY

The region lying northeast of the Tintina Trench and southwest of Frances and Finlayson Lakes is referred to the Southern Yukon Tanana Terrane (SYTT) (Figure 3). The regional geology of the SYTT has most recently been defined by the work of Tempelman-Kluit et al., (1976) and Mortensen (1985, 1992) and Plint (1995, in press).

Mortensen considers the Yukon Tanana Terrane (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.

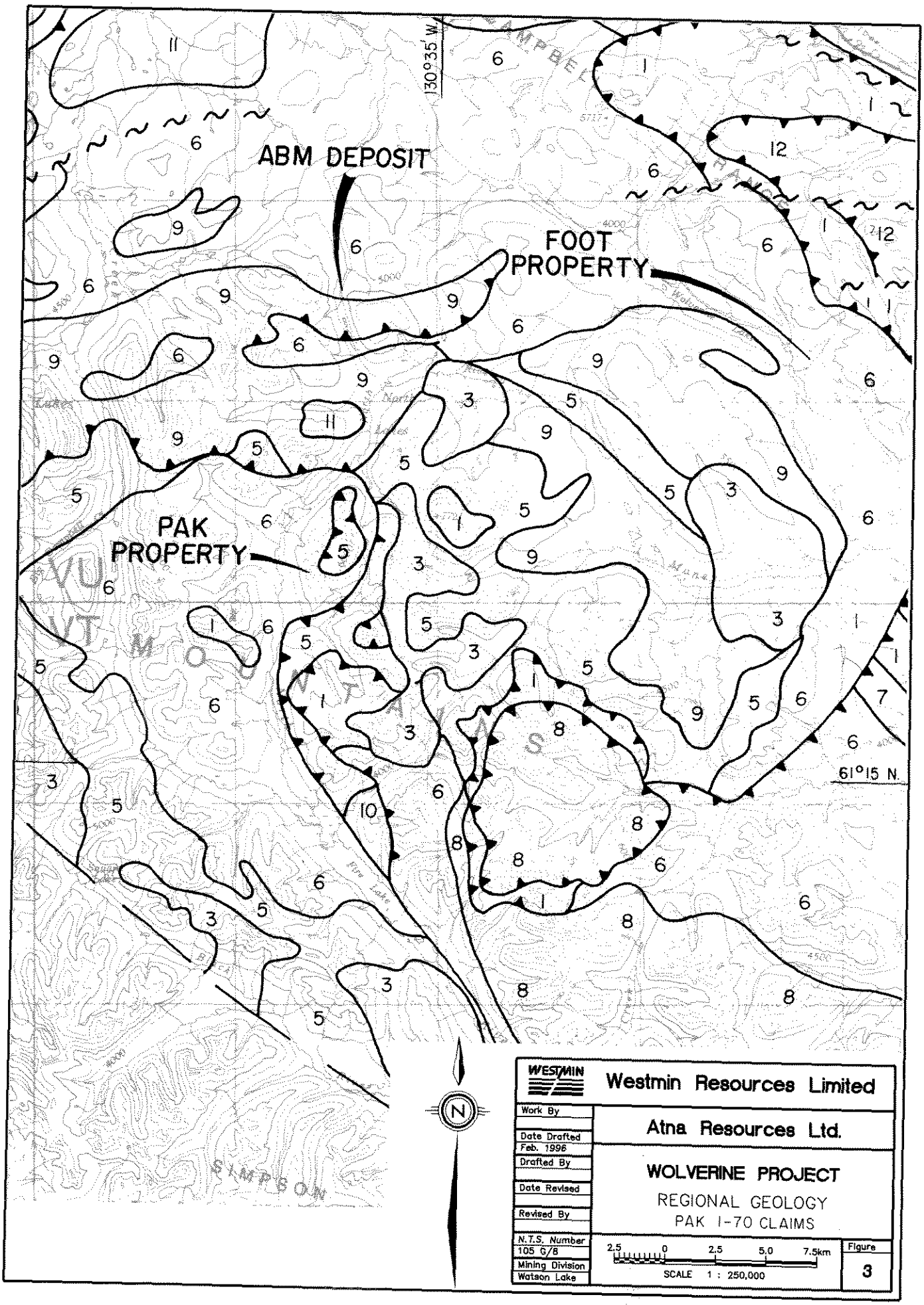
In early August of 1994 Cominco Exploration Ltd. announced the discovery of their ABM (Kudz Ze Kayah Project) VMS deposit, which is now estimated to contain 13 million tons, grading 1% copper, 1.3% lead, 5.5% zinc, 1.2 g/t gold and 125 g/t silver. The deposit, which is located 12 kilometres north of the Pak claims, is hosted in felsic metavolcanics and sediments and has a spatial association with a quartz-feldspar porphyry and a mafic sill. Magnetite-bearing sulphide ore constitutes one of Cominco's primary ore types. In early August of 1995 Westmin Resources Limited and Atna Resources Ltd. announced the discovery of the Wolverine Zone Kuroco-type VMS deposit, which is located 25 kilometres northeast of the Pak claims. In February of 1996 Westmin/Atna announced a geological inventory for the Wolverine Zone of 3.0 million tonnes grading 1.87 g/t gold, 350.2 g/t silver, 1.27% copper, 1.43% lead and 12.99% zinc. Massive sulphide mineralization there is hosted in a complex sequence of felsic volcanics, siliceous and calcareous exhalites and carbonaceous, tuffaceous sediments. Mineralization appears to be spatially associated with quartz-feldspar porphyritic domes and a distinctive pair of banded magnetite iron formations. The Kona is a notable occurrence, located 13 kilometres to the south of the Pak property. 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 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.

The regional geology of the area is illustrated in Figure 3. 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 Pak 1-36 claims are underlain by a sequence of Devonian-Mississippian interlayered schistose to gneissic metasediments and intermediate to felsic metavolcanics (**Unit V**, middle unit)(Figure 4). To the east of the claims, a thrust panel of pre-late Devonian micaceous quartzite (**Unit Q**, lower unit) overlies Unit V. Intrusive lithologies include monzonitic orthogneiss (**Unit G**) that lies in contact with Unit Q to the east and serpentinized ultramafic rocks (**Unit U**) that form fault slivers to the north of the claim group. Felsite occurs as 15-50 centimetre deformed sills within metasediments and metavolcanics. The metamorphic grade is amphibolite, as indicated by the presence of garnet and chlorite-altered amphibole.

No significant mapping was carried out in 1995 and the reader is referred to the 1994 and 1993 summary reports (Baknes, 1993, 1994) for a detailed description of the property geology. In brief, the property is underlain by mafic and felsic volcanics, carbonaceous sediments, quartz-rich sediments and highly carbonaceous sediments. A number of exposures also indicate the presence of siliceous exhalative rocks and magnetite iron formations, closely associated with the massive sulphides.


ABM DEPOSIT
FOOT PROPERTY
PAK PROPERTY
130°35' W
61°15 N
MOUNTAINS
SIMPSON
N
WESTMIN
Westmin Resources Limited
Work By
Date Drafted
Feb. 1996
Drafted By
Date Revised
Revised By
N.T.S. Number
105 G/8
Mining Division
Watson Lake
Atna Resources Ltd.
WOLVERINE PROJECT
REGIONAL GEOLOGY
PAK 1-70 CLAIMS
2.5 0 2.5 5.0 7.5km
SCALE 1 : 250,000
Figure
3

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 quartzeye 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	serpentinized 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

Structure on the property is dominated by a strong penetrative schistosity-gneissosity, striking northeast and dipping gently to the south. Folding is developed as isoclinal recumbent folds with subhorizontal fold axis and shallow south-dipping axial surfaces. Short amplitude minor folds are common and dislocation along axial surfaces is locally evident. Moderately well developed boudinage fabric is locally developed in felsic layers and conformable quartz veins. These generally have a long axis that trends and plunges parallel to the fold axes, indicating a stretch direction perpendicular to the fold axis.

8.0 MINERALIZATION

Mineralization on the Pak claims is concentrated in the Pak Cirque, which contains the Pak Zone, and in the East Cirque, which hosts the East Cirque Zone.

The massive sulphides at the Pak showing are localized on the hinge of a recumbent isoclinal fold (Figure 4). The thickness of the mineralized horizon is variable, but averages 0.4 - 1.8 metres. Mapping in 1993 and 1994 confirmed that mineralization is exposed discontinuously along a strike distance of approximately 300 metres. New copper-zinc mineralized float found 300 metres west along strike from the Pak showing and strong soil geochemistry even further west indicates a strike potential in excess of 800 metres. There are several categories of massive sulphide mineralization: 1) massive pyrrhotite supporting quartz and wall rock inclusions with chalcopyrite as disseminations and irregular patches, often on the margins of inclusions; 2) minor pyrite within the pyrrhotite-dominated sections as massive ragged patches in association with chloritic zones; 3) massive (>75%) granular pyrite with minor silica±sphalerite containing inclusions of graphitic wall rock and; 4) locally massive sphalerite, as bands on the hanging wall side of the massive pyrrhotite. Generally, the sulphides are massive and dominated by cataclastic or durchbewegung textures, but there are zones of finely banded pyrrhotite, sphalerite and silica. Fragmental textures are indicative of high degrees of sulphide deformation. Both the immediate hanging wall and footwall to the massive sulphides are comprised of quartz-muscovite-feldspar schists (Unit Vsq), containing disseminated pyrrhotite. In various localities, black graphitic biotite quartzite and schist (Unit Vgq) may also form the immediate footwall to sulphides. Above the immediate hanging wall, the Pak horizon is overlain by a greater than 20 metre thickness of blocky biotite quartzo-feldspathic gneiss (unit Vbg). An extensive thickness of chlorite schist (Vcs) generally forms the footwall to the massive sulphides, however, complex folding obscures this relationship in some areas.

The poorly exposed East Cirque Zone mineralization extends discontinuously over a strike length in excess of 100 metres. Mineralization in terms of mineralogy, texture and stratigraphic relationships are very similar to the Pak Zone. Down section from the sulphide horizon, is a 15 centimetre to roughly 1 metre thick unit of well-banded, magnetite iron formation that can be traced discontinuously for 35 metres along strike.

Samples collected in 1995 were collected from suspected felsic volcanics largely on the south facing slope south of the East Cirque showing. All samples analysed were above detection in silver ranging from 0.2 ppm to 1.4 ppm. The highest lead and zinc values were 770 ppm and 1020 ppm, respectively. Barium is anomalous in all samples but highest in two pyritic quartz-sericite schist samples, (# 50645, 1.7% & # 50647, 1.3% Ba) one of which is on strike with the East Cirque mineralized horizon.

9.0 SOIL GEOCHEMISTRY

A total of 43 soil samples were collected at the west end of the grid (lines 10300 E,

10400 E) and on a single east-west line (9400 N) southeast of the 1961 drill holes (Figures 5 - 10). A statistical level of the mean plus two times the standard deviation for copper (256 ppm), lead (173 ppm), zinc (956 ppm), silver (1.1 ppm) and barium (6293 ppm) are considered highly anomalous. Other elements that show a positive correlation with elevated base metals are silver, manganese, phosphorous, barium and molybdenum. A detailed discussion of the soil geochemistry for the entire grid can be found in the 1994 Pak assessment report (Baknes, 1995). Sampling in 1995 expanded the soil coverage in critical areas. Samples collected on lines 10300 E and 10400 E were aimed at detecting the source of subtle anomalies on two contour lines down-slope and to the west. Both lines returned very anomalous soil anomalies over approximately 200 metres (Fig. 5-10). Coincident copper, lead, zinc and barium results for this area were highly anomalous. Silver and gold are also highly anomalous and largely coincident with the base metal anomaly. In previous surveys, gold concentrations, with exception of two samples, were below detection. On lines 10300 E and 10400 E, gold concentrations range from 10 to 195 ppb.

10.0 WHOLE ROCK GEOCHEMISTRY

Four samples were analyzed for major and trace elements using XRF techniques in addition to the five samples collected in 1994. The purpose of the study was to determine whether or not the protolith of these rocks were indeed felsic volcanics and compare the compositions of these rocks to those hosting the Wolverine deposit on the Foot claims.

Analysis of the samples confirmed that most have major and trace element compositions consistent with a felsic volcanic parent (Appendix F). On total alkalis versus silica plots, most samples plot in the medium to high potassium, calc-alkaline rhyolite field coincident with quartz-feldspar porphyrys from the Foot property. On conserved trace element plots, the Pak samples have generally lower concentrations of trace elements than the majority of porphyritic rhyolites on the Foot property. In terms of cogenetic character, the Pak rocks have the closest similarity to the Burn Grid porphyritic rhyolites which lie structurally well below the Wolverine deposit.

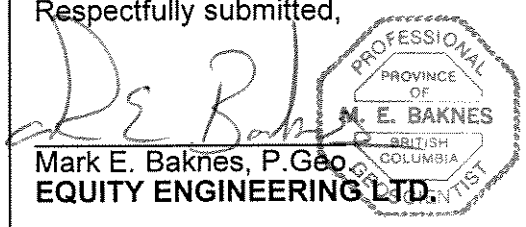
12.0 CONCLUSIONS AND RECOMMENDATIONS

Mineralization on the Pak claims consists of massive stratabound pyrrhotite with chalcopyrite, sphalerite and pyrite. The mineralization is hosted within felsic meta-rhyolites and graphitic sediments and siliceous exhalites at the boundary between footwall mafic meta-volcanics and hanging wall gneissic rocks. The Pak Showing mineralization is located at the hinge of recumbent isoclinal folds, causing the mineralization to conform, in part, to a rod-like form with a subhorizontal plunge, and a trend near 070°. The East Cirque Zone may be continuous with the Pak horizon or represent another structural level of massive sulphide mineralization. Massive and disseminated, banded magnetite iron formation is spatially associated with the East Cirque mineralization, which is very similar in all aspects to the Pak Zone mineralization. Limited soil geochemistry carried out in 1995 was successful in defining a very strong base and precious metal anomaly at the extreme west end of previous coverage. This soil anomaly coincides with the inferred projection of the Pak Cirque massive sulphide lens and a magnetic high and VLF conductor. Indications are that massive sulphides may be continuous or semi-continuous from the East cirque over to the West Soil geochemical anomaly; a distance of some 1.6 kilometres. Whole rock investigations suggest that felsic volcanics comprise a large portion of the stratigraphy and that these lithologies have similar compositions to felsic volcanics and subvolcanics associated with the Wolverine deposit.

Potential for discovery of extensive massive sulphides on the Pak property are considered very good. As a result of topography and the shallow dipping nature of the

stratigraphy the potential of the Pak cirque-east cirque lenses are limited. Because of this limitation, exploration must test the potential of deeper structural levels through further mapping and geochemistry, but relying mostly on deep penetrating geophysical methods and diamond drilling. By the nature of the structure, it is believed that deeper structural levels represent similar stratigraphic levels to the Pak Cirque zones and thereby possess excellent potential for more and perhaps larger massive sulphide lenses. Earlier MAG/VLF surveys along with geology and geochemistry indicate such a target in the floor of the East Cirque. It is recommended that further work on the Pak property include expansion of the grid area, soil geochemical surveys, mapping and deep penetrating geophysical methods as well as MAG/VLF surveys over the entire grid area.

Respectfully submitted,



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

Vancouver, British Columbia
April 11, 1996

APPENDIX A

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BIBLIOGRAPHY

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Yukon Minfile, NTS 105G/7, Pack occurrence # 32, revised 1982.

APPENDIX B

LIST OF PERSONNEL

LIST OF PERSONNEL

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

Geoff Bradshaw (Sampler)
3339 West 42nd Avenue
Vancouver, B.C., V6N 3H3

Julia Daly (Cook)
308 - West 28th
North Vancouver, B.C., V7N 2J1

Chris Hope (Sampler)
2090 Allenby Street
Victoria, B.C., V8R 3C1

Harlan Meade (Geologist)
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Vancouver, B.C., V7X 1C4

Terry L. Tucker (Project Geologist)
904 - 1055 Dunsmuir Street
Vancouver, B.C., V7X 1C4

APPENDIX C

STATEMENT OF EXPENDITURES

STATEMENT OF EXPENDITURES
PAK 1-70 CLAIMS

CANADA) In the matter of an evaluation program on the
) Pak 1-70 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 rock and soil sampling, geological mapping and prospecting work, was carried out on Pak 1-70 Mineral Claims on the days June 18 and June 29, 1995.

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.)		
1.5 days @ $425/day	$ 637.50	
Jeff Bradshaw, (sampler)		
1 day @ $225/day	$ 225.00	
Chris Hope, (sampler)		
1 day @ $225/day	$ 225.00	
Harlan Meade (P.Geo.)		
0.5 day @ $500.00	$ 250.00	
Terry Tucker (P.Geo.)		
1.5 days @ $350/day	$ 525.00	$ 1862.50

EXPENSES:

Camp charges @ $55/man/day	$ 302.50	
Helicopter Charters 2.5 hours @ $560/hour	$1400.00	
Report Writing & Drafitng	$1485.00	$ 3187.50
	TOTAL	**$ 5050.00**

And I make this solemn declaration conscientiously believing it to be true and knowing 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)
24 day of May, 1996) A E Baknes

Ian J Talbot

A Commissioner for Oaths for, ~~or Notary Public~~ BRITISH COLUMBIA

IAN J. TALBOT
Barrister & Solicitor
MORTON & COMPANY
1750 - 750 WEST PENDER STREET
VANCOUVER, B.C. V6C 2T8
681-1194

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 : Pak NTS : 105G/8 Date : May 22, 1996

Sample No.	UTM :	N	Type : Grab	Alteration : wMS	Au	Ag	Ba	Cu	Pb	Zn
		E	Strike Length Exp. : m	Metallics :	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
50640	Elevation: 1810 m		Sample Width : m	Secondaries: wGE	<5	0.0	3130.	6.	14.	86.
	Foliation : 079 / 30 S		True Width : m	Host : White quartz feldspar phyric felsite						

Comments : Massive hackly outcrop, sugary groundmass with trace biotite, 5-7% 1-2 mm quartz-feldspar phenocrysts.

Sample No.	UTM :	N	Type : Grab	Alteration :	Au	Ag	Ba	Cu	Pb	Zn
		E	Strike Length Exp. : m	Metallics :	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
50641	Elevation: 1810 m		Sample Width : m	Secondaries:	<5	<0.2	5480.	12.	18.	106.
	Orientation: /		True Width : m	Host : Quartz-feldspar gneiss - felsite layer						

Comments : Texturally very similar to 50640 but this sample from felsite bands in blocky biotite gneiss unit.

Sample No.	UTM :	N	Type : Grab	Alteration : wBI, wMS	Au	Ag	Ba	Cu	Pb	Zn
		E	Strike Length Exp. : m	Metallics : 5%PO, 1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
50642	Elevation: 1780 m		Sample Width : m	Secondaries:	<5	0.8	5470.	33.	174.	68.
	Orientation: /		True Width : m	Host : Sericitic quartzite						

Comments : Gossanous angular cobble, patchy disseminated PO in sericitic, sugary quartzite, <20% of float.

Sample No.	UTM :	N	Type : Float	Alteration : wMS	Au	Ag	Ba	Cu	Pb	Zn
		E	Strike Length Exp. : m	Metallics : 3%PO, SP?	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
50643	Elevation: 1775 m		Sample Width : m	Secondaries: sGE	<5	0.4	300.	75.	52.	402.
	Orientation: /		True Width : m	Host : Black Carbonaceous quartzite						

Comments : Strongly carbonaceous, disseminated blebs of PO, possibly trace SP in 1 by 0.3 m boulder.

Sample No.	UTM :	N	Type : Grab	Alteration : wMS	Au	Ag	Ba	Cu	Pb	Zn
		E	Strike Length Exp. : m	Metallics : 2%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
50644	Elevation: 1735 m		Sample Width : m	Secondaries: wGE, mJA	<5	0.8	240.	14.	90.	38.
	Orientation: /		True Width : m	Host : Black graphitic quartzite						

Comments : Highly siliceous, granular to glassy, has some resemblance to glassy black rhyolite at the FOOT claims (Fisher Zone).

Sample No.	UTM :	N	Type : Float	Alteration : sMS, sQZ	Au	Ag	Ba	Cu	Pb	Zn
		E	Strike Length Exp. : m	Metallics : 3%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
50645	Elevation: 1725 m		Sample Width : m	Secondaries: wGE, sJA	<5	0.2	10000.	9.	88.	16.
	Orientation: /		True Width : m	Host : Quartz-muscovite schist						

Comments : Friable quartz-muscovite schist with fine-grained disseminated pyrite, fuchsite as well. Looks similar to East Cirque showing.

Sample No.	UTM :	N	Type : Float	Alteration : wCB, sMS, mQZ	Au	Ag	Ba	Cu	Pb	Zn
		E	Strike Length Exp. : m	Metallics : 2%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
50646	Elevation: 1725 m		Sample Width : m	Secondaries: sJA	<5	0.6	8150.	40.	132.	144.
	Orientation: /		True Width : m	Host : Quartz-muscovite-barite Schist						

Comments : May have barite, 10 by 20 cm angular boulder

Sample No.	UTM :	N	Type : Grab	Alteration : sMS	Au	Ag	Ba	Cu	Pb	Zn
		E	Strike Length Exp. : m	Metallics : trace Py	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
50647	Elevation: 1890 m		Sample Width : m	Secondaries: wGE, sJA	<5	1.4	500.	93.	770.	62.
	Foliation : 110 / 15 N		True Width : m	Host : Gossanous quartz-muscovite shist						

Comments : Good quartz-sericite schist, rusty, looks to be strike extension of East Cirque horizon. Likely 2-4 m thick. Minor tourmaline

---

Sample No.	UTM :	N	Type : Litho	Alteration : mMS, sQZ	Au	Ag	Ba	Cu	Pb	Zn
		E	Strike Length Exp. : m	Metallics : 1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
50648	Elevation: 1880 m		Sample Width : m	Secondaries: sJA	<5	<0.2	1800.	15.	82.	8.
	Foliation : 110 / 15 N		True Width : m	Host : Gossanous quartz-muscovite schist, exhalite-rhyolite						

Comments : Very siliceous finely laminated, possible quartz eyes, buff coloured - white. May be massive rhyolite or silica exhalite. Thickness not greater than 4-8 metres.

Sample No.	UTM :	N	Type : Grab	Alteration : wBI, wMS	Au	Ag	Ba	Cu	Pb	Zn
		E	Strike Length Exp. : m	Metallics :	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
50649	Elevation: 1865 m		Sample Width : m	Secondaries:	<5	0.4	5320.	28.	16.	74.
	Foliation : 095 / 12 N		True Width : m	Host : Quartz-biotite-muscovite schist						

Comments : Gneissic quartz-biotite-muscovite schist-gneiss. Variable biotite content has very characteristic grey blocky weathering, and cuts across stratigraphy, minor tourmaline, is cut by felsite.

Sample No.	UTM :	N	Type : Float	Alteration :	Au	Ag	Ba	Cu	Pb	Zn
		E	Strike Length Exp. : m	Metallics : <1%PO, <1%PY	(ppb)	(ppm)	(ppm)	(ppm)	(ppm)	(ppm)
50836	Elevation: 1780 m		Sample Width : m	Secondaries:	<5	0.8	320.	56.	250.	1020.
	Orientation: /		True Width : m	Host : Black quartzite						

Comments : Pervasively weathered, crudely banded siliceous black quartzite. May have been a phyllitic unit.

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 FAX: 604-984-0218

To: EQUITY ENGINEERING LTD.

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

A9521798

Comments: ATTN: MARK BAKNES

CERTIFICATE A9521798

(EIA) - EQUITY ENGINEERING LTD.

Project: WM195-06
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 31-JUL-95.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
299	20	Pulp; prepped on other workorder

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
902	20	Al2O3 %: XRF	XRF	0.01	100.00
906	20	CaO %: XRF	XRF	0.01	100.00
2590	20	Cr2O3 %: XRF	XRF	0.01	100.00
903	20	Fe2O3 %: XRF	XRF	0.01	100.00
908	20	K2O %: XRF	XRF	0.01	100.00
905	20	MgO %: XRF	XRF	0.01	100.00
1989	20	MnO %: XRF	XRF	0.01	100.00
907	20	Na2O %: XRF	XRF	0.01	100.00
909	20	P2O5 %: XRF	XRF	0.01	100.00
901	20	SiO2 %: XRF	XRF	0.01	100.00
904	20	TiO2 %: XRF	XRF	0.01	100.00
910	20	LOI %: XRF	XRF	0.01	100.00
2540	20	Total %	CALCULATION	0.01	105.00
2891	20	Ba ppm: XRF	XRF	5	50000
2067	20	Rb ppm: XRF	XRF	2	50000
2898	20	Sr ppm: XRF	XRF	2	50000
2973	20	Nb ppm: XRF	XRF	2	50000
2978	20	Zr ppm: XRF	XRF	3	50000
2974	20	Y ppm: XRF	XRF	2	50000

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

To: EQUITY ENGINEERING LTD.

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

Project : WM195-06
Comments: ATTN: MARK BAKNES

Page Number :1
Total Pages :1
Certificate Date: 31-JUL-95
Invoice No. :19521798
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9521798

SAMPLE	PREP CODE	Al2O3 % XRF	CaO % XRF	Cr2O3 % XRF	Fe2O3 % XRF	K2O % XRF	MgO % XRF	MnO % XRF	Na2O % XRF	P2O5 % XRF	SiO2 % XRF	TiO2 % XRF	LOI % XRF	TOTAL %	Ba ppm	Rb ppm	Sr ppm	Nb ppm	Zr ppm	Y ppm
50640	299 --	15.88	0.67	0.02	1.04	3.87	0.23	0.02	6.01	0.04	67.81	0.12	0.80	96.51	3160	72	1090	14	123	8
50641	299 --	15.53	0.68	0.04	1.19	4.43	0.22	0.02	5.07	0.04	68.14	0.13	0.92	96.41	5470	84	1160	12	123	6
50645	299 --	19.75	0.11	0.03	1.29	10.73	0.70	< 0.01	0.63	0.15	57.34	3.06	2.65	96.45	17300	176	492	130	204	12
50647	299 --	8.18	0.06	0.02	4.01	3.30	0.59	0.03	0.29	0.10	79.11	0.44	3.50	99.63	12960	92	104	20	102	4
50648	299 --	11.56	0.16	0.01	0.94	2.71	< 0.01	< 0.01	5.36	0.02	74.57	0.33	0.87	96.55	1975	36	182	82	798	70
50649	299 --	4.93	0.07	0.02	1.98	1.89	0.54	0.10	0.10	0.03	88.50	0.28	1.21	99.65	6350	66	128	6	87	12

CERTIFICATION: Stuart Bichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

To: EQUITY ENGINEERING LTD.

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

A9521793

Comments: ATTN: MARK BAKNES

CERTIFICATE A9521793

(EIA) - EQUITY ENGINEERING LTD.

Project: WM 195-06
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 7-DEC-95.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
205	52	Geochem ring to approx 150 mesh
226	52	0-3 Kg crush and split
285	52	ICP - HF digestion charge
3289	32	X-RAY pellet prep charge

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	52	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	52	Ag ppm: 24 element, rock & core	AAS	0.2	200
573	52	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	52	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	52	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	52	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	52	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	52	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	52	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	52	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	52	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	52	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	52	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	52	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	52	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	52	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	52	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	52	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	52	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	52	Pb ppm: 24 element, rock & core	AAS	2	10000
582	52	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	52	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	52	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	52	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	52	Zn ppm: 24 element, rock & core	ICP-AES	2	10000
912	32	Ba ppm	XRF	10	50000

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

To: EQUITY ENGINEERING LTD.

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

Project : WM 195-06
Comments: ATTN: MARK BAKNES

Certificate Date: 04-AUG-95
Invoice No. :I9521793
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9521793

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)
050640	205 226	< 5	< 0.2	7.58	3130	2.0	4	0.40	< 0.5	3	74	6	0.68	2.99	0.13
050641	205 226	< 5	< 0.2	7.73	5480	1.5	4	0.47	< 0.5	4	121	12	0.78	3.49	0.12
050642	205 226	< 5	0.8	4.22	5470	3.0	4	0.53	< 0.5	3	237	33	2.37	2.64	0.44
050643	205 226	< 5	0.4	3.95	300	3.0	< 2	0.61	2.0	10	344	75	2.12	2.12	0.46
050644	205 226	< 5	0.8	2.44	240	1.5	2	0.18	< 0.5	1	314	14	2.19	1.57	0.30
050645	205 226	< 5	0.2	9.36	>10000	3.0	4	0.07	< 0.5	5	172	9	0.80	7.11	0.33
050646	205 226	< 5	0.6	5.86	8150	3.5	4	0.83	0.5	7	268	40	1.70	2.96	0.80
050647	205 226	< 5	1.4	4.06	500	2.0	2	0.04	< 0.5	< 1	166	93	2.84	2.53	0.33

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

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

Project : WM 195-06
Comments: ATTN: MARK BAKNES

Certificate Date: 04-AUG-95
Invoice No. :19521793
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9521793

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)
050648	205 226	< 5	< 0.2	6.22	1800	1.0	< 2	0.11	< 0.5	1	115	15	0.64	1.97	0.01
050649	205 226	< 5	0.4	2.43	5320	1.0	< 2	0.04	< 0.5	2	236	28	1.26	1.34	0.29
050836	205 226	< 5	0.8	3.80	320	3.0	2	0.46	5.0	3	296	56	2.73	2.48	0.47

CERTIFICATION:_____

ChemeX Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

212 Brooksbank Ave., North Vancouver
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207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : WM 195-06
Comments: ATTN: MARK BAKNES

Certificate Date: 04-AUG-95
Invoice No. : I9521793
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9521793

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)	Ba (XRF ppm		
050648	205	226	10	3	3.96	2	70	82	199	0.06	2	< 10	8	-----		
050649	205	226	710	9	0.15	12	120	16	141	0.12	85	< 10	74	-----		
050836	205	226	560	11	0.55	13	770	250	514	0.16	232	< 10	1020	5920		

CERTIFICATION:_____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

To: EQUITY ENGINEERING LTD.

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

A9521749

Comments:

CERTIFICATE A9521749

(EIA) - EQUITY ENGINEERING LTD.

Project: WMI 95-00
P.O. # :

Samples submitted to our lab in Vancouver, BC.
This report was printed on 21-JUL-95.

SAMPLE PREPARATION

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION
201	139	Dry, sieve to -80 mesh
202	139	save reject
285	139	ICP - HF digestion charge

ANALYTICAL PROCEDURES

CHEMEX CODE	NUMBER SAMPLES	DESCRIPTION	METHOD	DETECTION LIMIT	UPPER LIMIT
983	139	Au ppb: Fuse 30 g sample	FA-AAS	5	10000
578	139	Ag ppm: 24 element, rock & core	AAS	0.2	200
573	139	Al %: 24 element, rock & core	ICP-AES	0.01	25.0
565	139	Ba ppm: 24 element, rock & core	ICP-AES	10	10000
575	139	Be ppm: 24 element, rock & core	ICP-AES	0.5	1000
561	139	Bi ppm: 24 element, rock & core	ICP-AES	2	10000
576	139	Ca %: 24 element, rock & core	ICP-AES	0.01	25.0
562	139	Cd ppm: 24 element, rock & core	ICP-AES	0.5	500
563	139	Co ppm: 24 element, rock & core	ICP-AES	1	10000
569	139	Cr ppm: 24 element, rock & core	ICP-AES	1	10000
577	139	Cu ppm: 24 element, rock & core	ICP-AES	1	10000
566	139	Fe %: 24 element, rock & core	ICP-AES	0.01	25.0
584	139	K %: 24 element, rock & core	ICP-AES	0.01	10.00
570	139	Mg %: 24 element, rock & core	ICP-AES	0.01	15.00
568	139	Mn ppm: 24 element, rock & core	ICP-AES	5	10000
554	139	Mo ppm: 24 element, rock & core	ICP-AES	1	10000
583	139	Na %: 24 element, rock & core	ICP-AES	0.01	10.00
564	139	Ni ppm: 24 element, rock & core	ICP-AES	1	10000
559	139	P ppm: 24 element, rock & core	ICP-AES	10	10000
560	139	Pb ppm: 24 element, rock & core	AAS	2	10000
582	139	Sr ppm: 24 element, rock & core	ICP-AES	1	10000
579	139	Ti %: 24 element, rock & core	ICP-AES	0.01	10.00
572	139	V ppm: 24 element, rock & core	ICP-AES	1	10000
556	139	W ppm: 24 element, rock & core	ICP-AES	10	10000
558	139	Zn ppm: 24 element, rock & core	ICP-AES	2	10000

Chemex Labs Ltd.
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207 - 675 W. HASTINGS ST.
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V6B 1N2

Project : WMI 95-00
Comments:

Page Number :2-A
Total Pages :5
Certificate Date: 21-JUL-95
Invoice No. :19521749
P.O. Number :
Account :EIA

CERTIFICATE OF ANALYSIS A9521749

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)
PK9400N 10700E	201	202	10	< 0.2	7.20	4200	1.0	< 2	1.00	0.5	12	52	44	3.01	2.51	0.77
PK9400N 10750E	201	202	< 5	< 0.2	6.45	1890	< 0.5	< 2	0.79	< 0.5	6	35	20	2.03	2.13	0.46
PK9400N 10800E	201	202	< 5	< 0.2	6.25	2600	< 0.5	< 2	0.76	0.5	6	53	17	2.11	2.12	0.49
PK9400N 10850E	201	202	< 5	< 0.2	6.74	2020	< 0.5	< 2	0.78	1.0	11	78	22	3.51	2.25	0.81
PK9400N 10900E	201	202	< 5	< 0.2	6.48	2100	< 0.5	< 2	1.24	0.5	11	68	37	2.82	1.83	0.94
PK9400N 10950E	201	202	< 5	< 0.2	6.06	2230	1.0	< 2	1.47	0.5	12	72	41	3.11	1.69	1.03
PK9400N 11000E	201	202	< 5	< 0.2	5.88	2160	1.0	< 2	1.33	< 0.5	11	68	37	2.94	1.67	0.92
PK9400N 11050E	201	202	< 5	< 0.2	5.94	2980	0.5	< 2	0.73	0.5	7	49	25	2.26	1.79	0.48
PK9400N 11100E	201	202	< 5	< 0.2	5.78	3610	1.5	< 2	0.99	0.5	10	57	38	2.88	1.82	0.72
PK9400N 11150E	201	202	< 5	< 0.2	5.99	3180	0.5	< 2	0.93	1.0	9	64	36	2.95	1.93	0.74
PK9400N 11200E	201	202	< 5	< 0.2	5.65	3460	1.0	< 2	0.90	0.5	8	55	34	2.73	1.90	0.63
PK9400N 11250E	201	202	< 5	< 0.2	6.01	4020	1.0	< 2	1.01	0.5	11	59	46	2.94	2.05	0.75
PK9400N 11300E	201	202	< 5	0.8	6.18	9530	2.0	< 2	0.75	3.0	23	58	138	3.93	1.89	0.75
PK9400N 11350E	201	202	< 5	< 0.2	5.62	3660	1.0	< 2	0.89	0.5	7	51	28	2.60	1.95	0.61

CERTIFICATION: Stewart Borsden

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

EC[redacted]ENG[redacted]ING[redacted]
207 - 675 W. HASTINGS ST.
VANCOUVER, BC
V6B 1N2

Project : WMI 95-00
Comments:

CERTIFICATE OF ANALYSIS A9521749

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)			
PK9400N 10700E	201	202	1080	1	2.15	36	780	34	684	0.28	97	< 10	296			
PK9400N 10750E	201	202	385	1	2.20	12	1040	16	510	0.24	70	< 10	74			
PK9400N 10800E	201	202	360	1	2.04	15	620	24	469	0.31	98	< 10	96			
PK9400N 10850E	201	202	740	2	1.30	26	790	26	306	0.39	110	< 10	252			
PK9400N 10900E	201	202	535	< 1	1.72	28	780	22	309	0.38	107	< 10	122			
PK9400N 10950E	201	202	580	1	1.56	27	680	22	292	0.41	119	< 10	124			
PK9400N 11000E	201	202	540	1	1.57	27	670	24	301	0.38	111	< 10	122			
PK9400N 11050E	201	202	555	1	1.61	16	990	26	386	0.30	95	< 10	96			
PK9400N 11100E	201	202	615	1	1.45	27	720	32	370	0.32	101	< 10	196			
PK9400N 11150E	201	202	585	1	1.51	26	650	36	336	0.35	113	< 10	178			
PK9400N 11200E	201	202	580	2	1.45	23	710	32	363	0.32	100	< 10	150			
PK9400N 11250E	201	202	815	2	1.53	31	600	40	384	0.35	102	< 10	238			
PK9400N 11300E	201	202	4280	3	1.19	101	690	110	379	0.27	124	< 10	922			
PK9400N 11350E	201	202	475	2	1.41	19	640	28	393	0.29	102	< 10	130			

CERTIFICATION: Ian Bridden

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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

TO: EQUITY ENGINEERING LTD.

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

Project : WMI 95-00
Comments:

Certificate Date: 21-JUL-95
Invoice No. : I9521749
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9521749

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)
PK9400N 11400E	201	202	< 5	< 0.2	6.10	3020	< 0.5	< 2	0.98	0.5	9	64	34	3.17	1.92	0.72
PK9400N 11450E	201	202	< 5	< 0.2	6.83	4250	< 0.5	< 2	0.92	0.5	10	63	34	3.25	2.36	0.91
PK9400N 11500E	201	202	< 5	< 0.2	7.62	8140	< 0.5	< 2	0.51	1.0	19	49	68	3.95	3.10	0.99
PK9400N 11550E	201	202	< 5	< 0.2	6.73	3560	< 0.5	< 2	1.25	1.0	15	63	61	3.48	2.01	0.91
PK9400N 11600E	201	202	< 5	< 0.2	6.06	2970	< 0.5	< 2	1.16	0.5	10	61	60	3.20	1.76	0.72
PK9400N 11650E	201	202	< 5	0.2	6.23	5550	< 0.5	< 2	1.15	2.0	26	72	148	4.47	1.88	1.18
PK9400N 11700E	201	202	< 5	< 0.2	6.76	2880	< 0.5	< 2	1.61	1.0	28	75	197	4.42	1.68	1.11
PK10300E 9400N	201	202	< 5	< 0.2	6.67	4180	< 0.5	< 2	0.67	0.5	12	61	44	3.15	2.18	0.74
PK10300E 9450N	201	202	< 5	< 0.2	8.03	3780	1.0	< 2	0.46	0.5	9	25	45	2.99	2.98	0.47
PK10300E 9550N	201	202	< 5	< 0.2	8.95	5530	2.5	< 2	0.53	1.0	12	69	37	3.58	3.01	0.52
PK10300E 9660N	201	202	< 5	< 0.2	7.25	3290	< 0.5	< 2	0.69	0.5	8	38	21	2.41	2.38	0.53
PK10300E 9700N	201	202	< 5	< 0.2	6.96	2360	0.5	< 2	0.86	0.5	10	42	30	2.81	1.93	0.56
PK10300E 9750N	201	202	20	0.6	7.11	7400	3.0	< 2	0.71	2.5	34	92	167	6.75	2.52	1.03
PK10400E 9400N	201	202	< 5	< 0.2	7.47	1330	< 0.5	< 2	0.86	0.5	8	41	31	2.73	1.76	0.47
PK10400E 9450N	201	202	< 5	< 0.2	6.02	1770	3.0	< 2	1.74	0.5	29	62	214	7.84	2.06	0.89
PK10400E 9550N	201	202	< 5	< 0.2	8.02	1770	< 0.5	< 2	0.65	0.5	6	29	11	2.05	2.12	0.41
PK10400E 9600N	201	202	< 5	< 0.2	6.38	2490	< 0.5	< 2	0.65	< 0.5	7	43	15	2.35	1.88	0.50
PK10400E 9650N	201	202	< 5	< 0.2	6.21	2120	< 0.5	< 2	0.85	0.5	10	59	20	2.80	1.85	0.61
PK10400E 9700N	201	202	< 5	< 0.2	8.36	4540	< 0.5	< 2	0.47	1.0	12	26	55	2.53	2.01	0.49
PK10400E 9750N	201	202	< 5	< 0.2	7.64	6190	2.5	< 2	0.92	1.5	21	57	88	4.33	2.53	0.98
PK10400E 9800N	201	202	10	1.0	6.63	5300	3.5	< 2	0.34	9.0	31	68	1545	8.85	3.37	0.71
PK10400E 9850N	201	202	15	3.8	7.51	2080	2.5	< 2	0.36	4.0	14	65	1205	7.07	4.15	0.83
PK10400E 9900N	201	202	195	19.2	6.72	1830	1.5	< 2	0.69	3.0	12	50	4640	7.52	3.23	0.96
PK10400E 9950N	201	202	10	1.2	8.86	1820	4.0	< 2	0.77	5.0	35	210	428	6.36	4.80	1.07
PK10400E 10000E	201	202	< 5	< 0.2	7.52	1700	< 0.5	< 2	2.83	0.5	34	155	81	6.04	1.99	2.74
PK10400E 10050E	201	202	< 5	< 0.2	7.86	5070	2.0	< 2	1.77	2.0	32	134	124	5.54	2.98	1.92
PK10400E 10100E	201	202	< 5	< 0.2	6.43	1540	< 0.5	< 2	2.47	< 0.5	28	268	98	5.56	1.83	3.15

CERTIFICATION: David Chidley

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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To: EQUITY ENGINEERING LTD.

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

Project : WMI 95-00
Comments:

Certificate Date: 21-JUL-95
Invoice No. : 19521749
P.O. Number :
Account : EIA

CERTIFICATE OF ANALYSIS A9521749

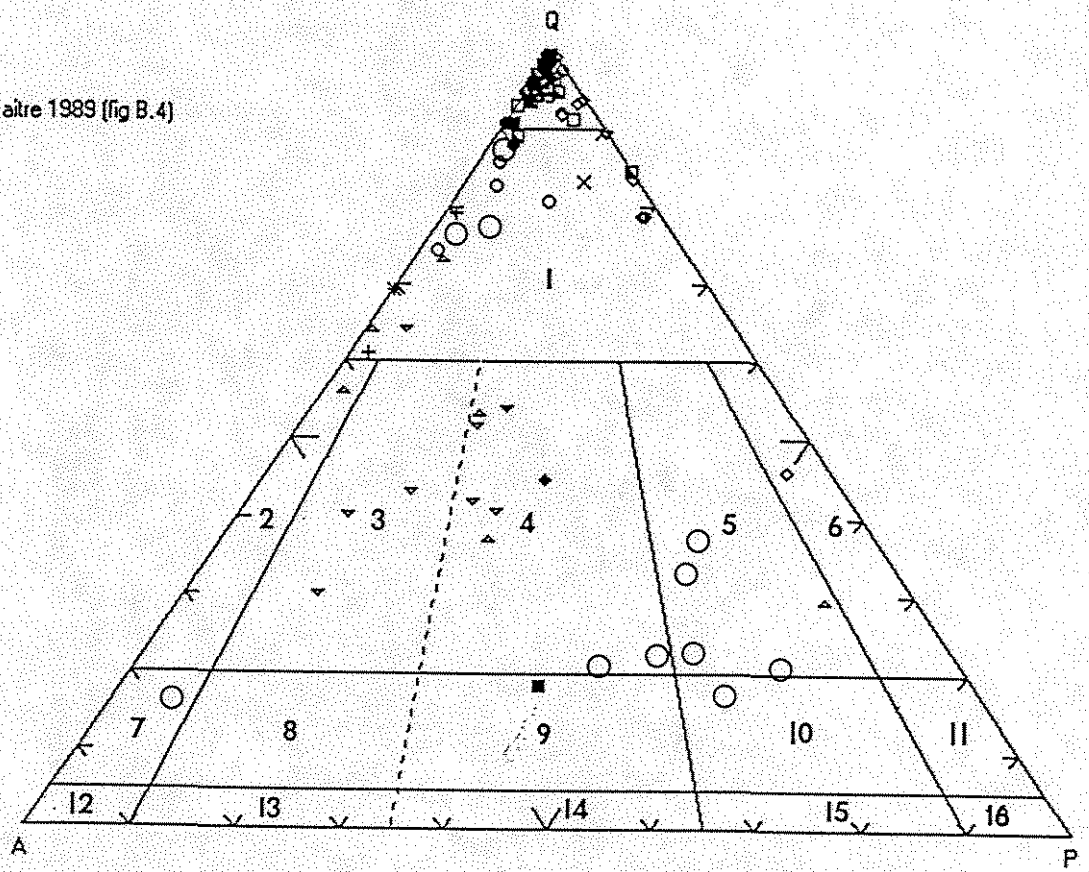
SAMPLE	PREP CODE	Mn ppm (ICP)	Mo ppm (ICP)	Na % (ICP)	Ni ppm (ICP)	P ppm (ICP)	Pb ppm AAS	Sr ppm (ICP)	Ti % (ICP)	V ppm (ICP)	W ppm (ICP)	Zn ppm (ICP)
PK9400N 11400E	201 202	575	2	1.43	23	970	32	331	0.35	120	< 10	160
PK9400N 11450E	201 202	890	4	1.47	23	700	32	341	0.36	139	< 10	248
PK9400N 11500E	201 202	1830	4	1.25	39	720	90	506	0.25	143	< 10	548
PK9400N 11550E	201 202	1110	1	1.74	35	870	30	466	0.36	124	< 10	240
PK9400N 11600E	201 202	1000	2	1.43	22	1230	32	340	0.36	126	< 10	172
PK9400N 11650E	201 202	2540	3	0.88	76	1030	50	319	0.35	128	< 10	706
PK9400N 11700E	201 202	1500	3	1.37	53	630	70	340	0.42	153	< 10	680
PK10300E 9400N	201 202	1060	2	1.59	38	640	36	412	0.28	106	< 10	226
PK10300E 9450N	201 202	795	2	2.08	26	560	40	624	0.19	67	< 10	218
PK10300E 9550N	201 202	1445	2	1.43	30	650	64	543	0.31	137	< 10	872
PK10300E 9660N	201 202	815	2	2.48	19	740	34	745	0.23	82	< 10	232
PK10300E 9700N	201 202	1285	1	2.31	22	1170	36	613	0.25	79	< 10	272
PK10300E 9750N	201 202	7230	8	1.01	81	1160	140	427	0.37	207	< 10	748
PK10400E 9400N	201 202	590	1	2.07	17	830	76	427	0.27	77	< 10	196
PK10400E 9450N	201 202	755	1	1.12	68	1120	18	1315	0.40	104	< 10	164
PK10400E 9550N	201 202	510	< 1	2.90	13	700	18	564	0.21	56	< 10	110
PK10400E 9600N	201 202	410	1	2.11	16	610	22	345	0.28	80	< 10	116
PK10400E 9650N	201 202	1030	2	1.63	23	710	28	319	0.32	108	< 10	136
PK10400E 9700N	201 202	2200	2	2.10	45	550	36	351	0.17	72	< 10	402
PK10400E 9750N	201 202	2400	3	1.65	59	1010	58	510	0.32	134	< 10	526
PK10400E 9800N	201 202	5590	9	0.74	59	1380	270	378	0.24	216	10	3150
PK10400E 9850N	201 202	2410	10	0.77	26	990	520	403	0.30	193	< 10	1380
PK10400E 9900N	201 202	2300	21	0.98	37	750	516	379	0.28	137	10	1420
PK10400E 9950N	201 202	1840	3	0.66	35	1180	30	309	0.66	166	10	1960
PK10400E 10000E	201 202	1215	2	1.72	56	890	22	324	0.69	217	< 10	284
PK10400E 10050E	201 202	1775	2	1.19	74	1130	92	300	0.62	218	< 10	574
PK10400E 10100E	201 202	1175	5	1.14	72	960	26	241	0.61	201	10	246

CERTIFICATION:

APPENDIX F

WHOLE ROCK GEOCHEMICAL PLOTS

LeMaitre 1989 (fig B.4)



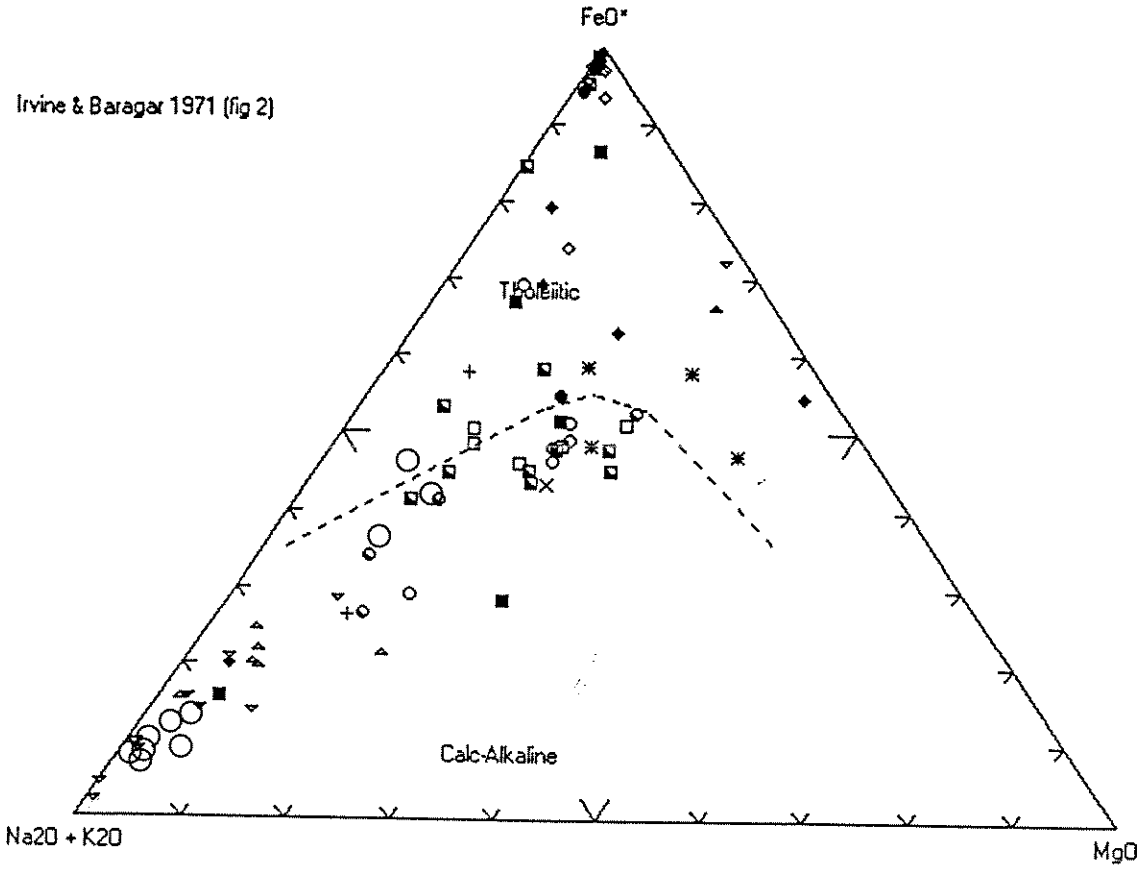
○ Pak Samples

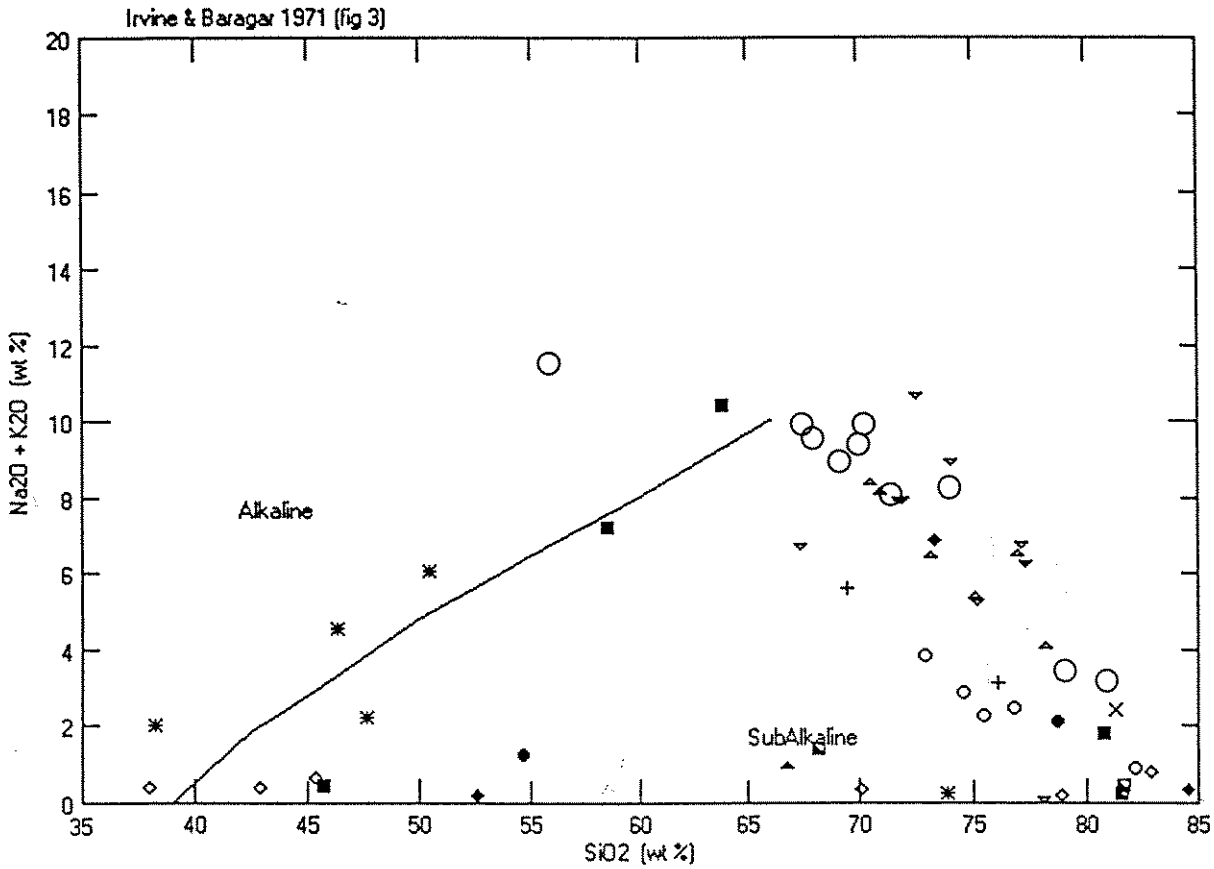
LEGEND

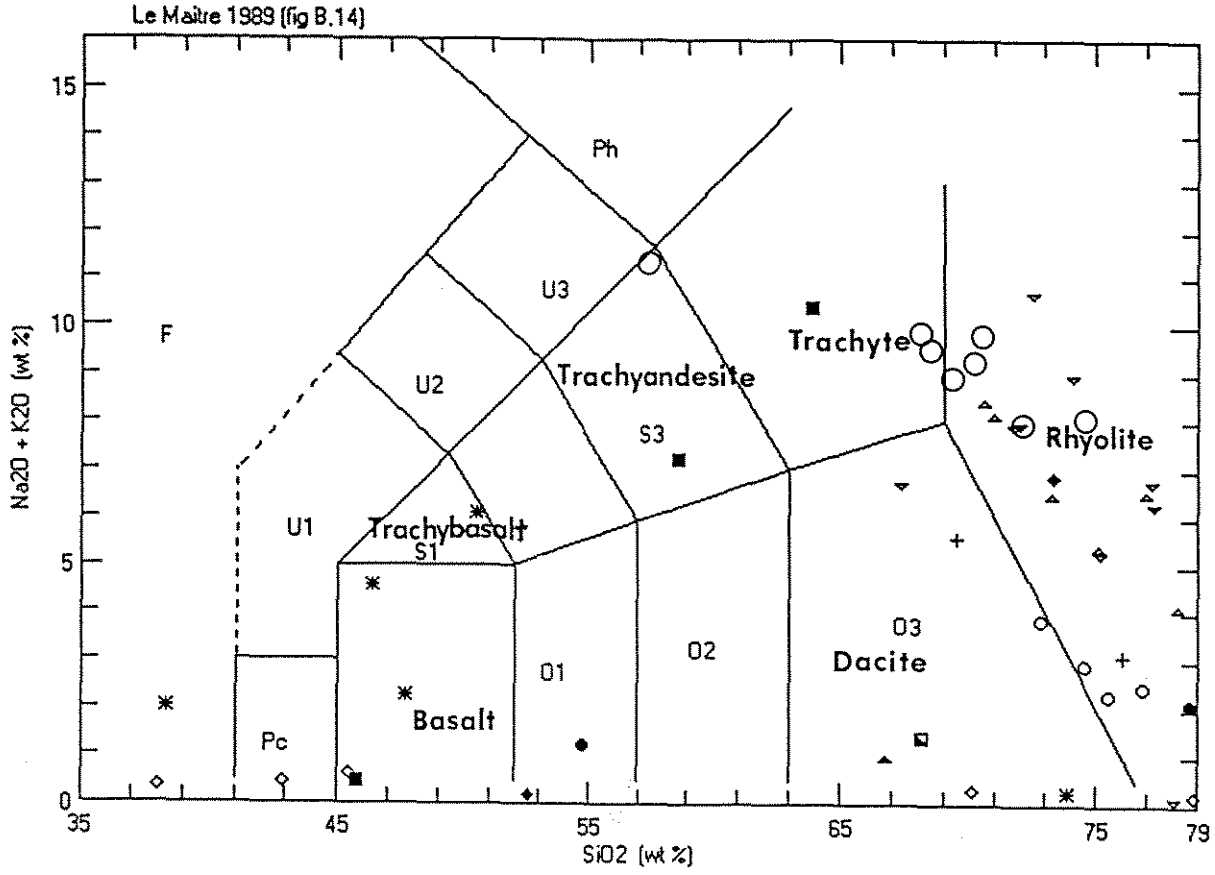
LITHOLOGICAL FIELDS

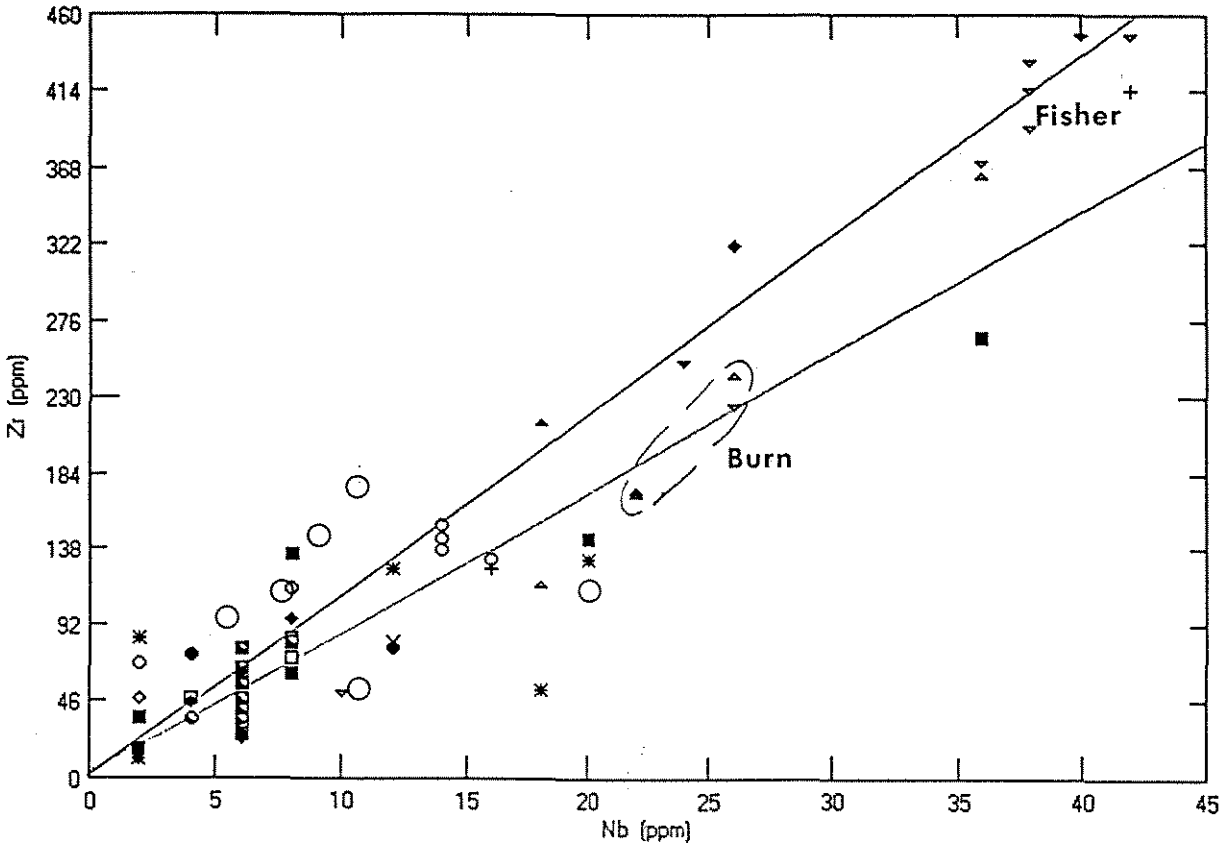
1. Quartzolite
2. Alkali rhyolite
3. Rhyolite
4. Rhyodacite
5. Dacite
6. Quartz andesite
7. Alkali-quartz trachyte
8. Quartz trachyte
9. Quartz latite
10. Quartz latite-andesite
11. Andesite
12. Alkali trachyte
13. Trachyte
14. Latite
15. Latite-basalt
16. Basalt

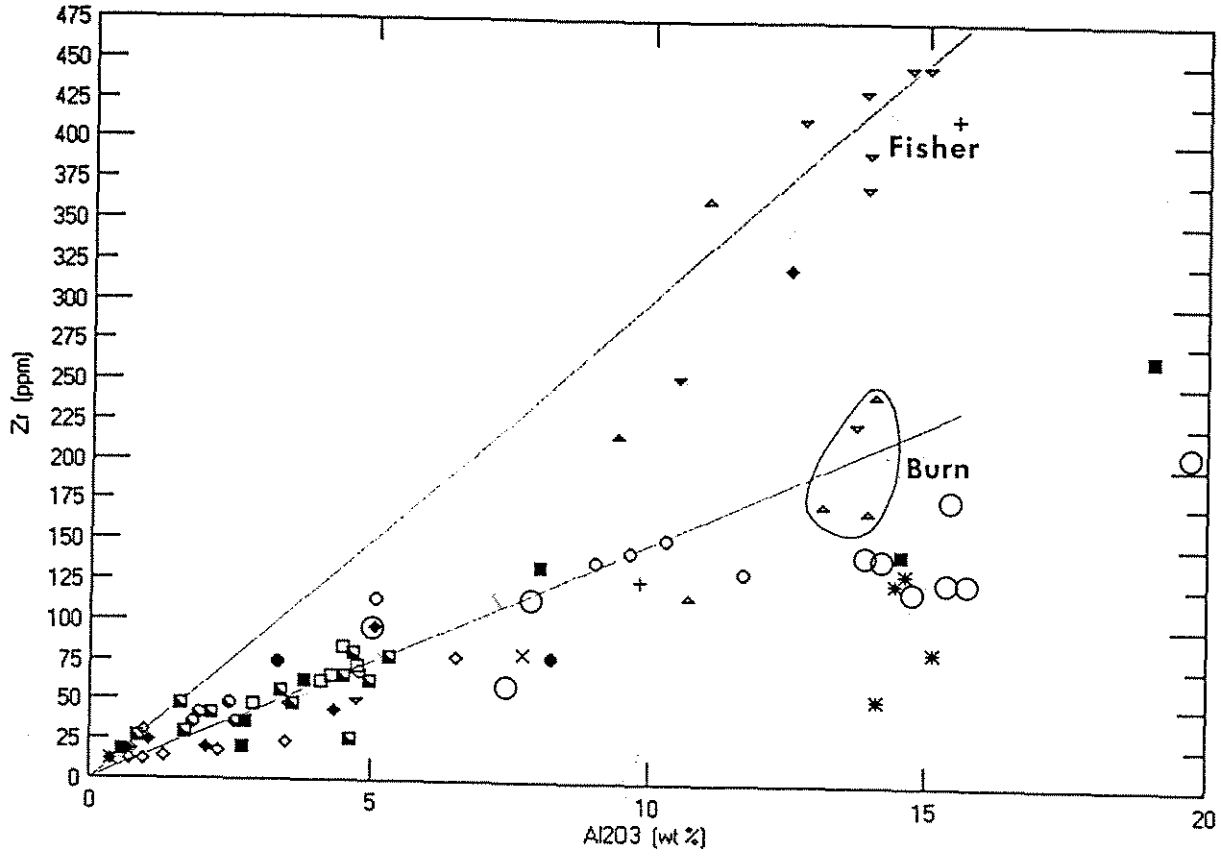
Irvine & Baragar 1971 (fig 2)




Irvine & Baragar 1971 (fig 3)
Na2O + K2O (wt %)
SiO2 (wt %)
Alkaline
SubAlkaline
0
2
4
6
8
10
12
14
16
18
20
35
40
45
50
55
60
65
70
75
80
85


Le Maitre 1989 (fig B.14)
Na2O + K2O (wt %)
SiO2 (wt %)
15
10
5
0
35
45
55
65
75
79
Ph
U3
U2
U1
F
Pc
Trachyte
Trachyandesite
S3
Rhyolite
Trachybasalt
S1
Basalt
O1
O2
O3
Dacite


460
414
368
322
276
230
184
138
92
46
0
Zr (ppm)
0
5
10
15
20
25
30
35
40
45
Nb (ppm)
Fisher
Burn


Fisher
Burn
Zr (ppm)
Al2O3 (wt %)
0
25
50
75
100
125
150
175
200
225
250
275
300
325
350
375
400
425
450
475
0
5
10
15
20

APPENDIX G

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.

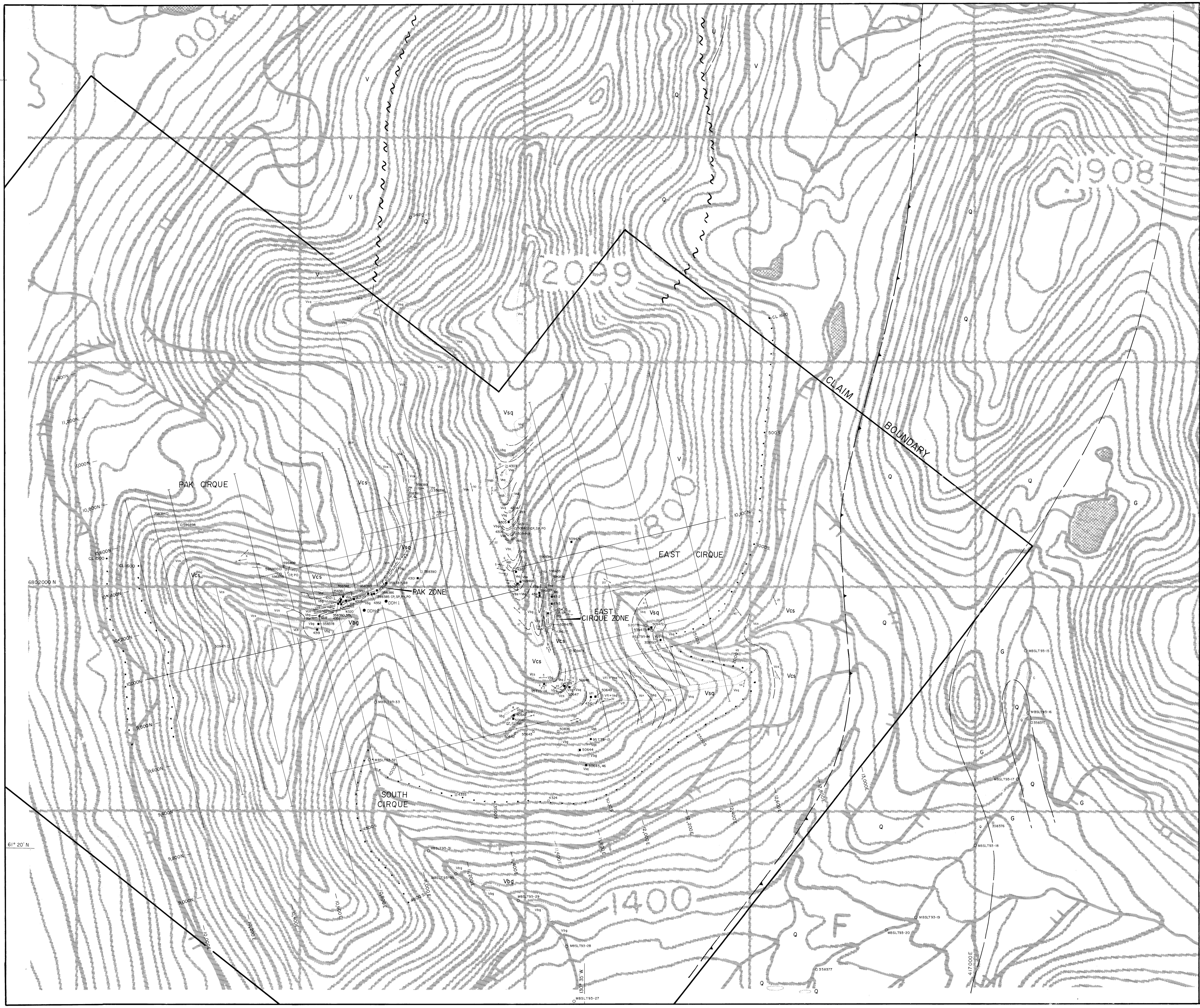
3. THAT I am a Professional Geoscientist registered in good standing with the Association of Professional Engineers and Geoscientists of the Province of British Columbia.

4. THAT this report is based in part on property work I personally completed and/or directly supervised on the days of *, 1995, government publications and assessment reports filed with the Yukon.

DATED at Vancouver, British Columbia, this 29 day of April, 1996.

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

Mark E. Baknes, P.Geo.



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 quartzeye grits (Nasina equivalent)

- **Vbg** biotite quartzo-feldspathic gneiss
- **Vbs** biotite schist
- **Vcs** chlorite ± biotite schist - amphibolite (metamorphosed mafic volcanic?)
- **Vex** laminated siliceous exhalite-chert, fine-grained quartzite
- **Vfl** felsic, massive to weakly schistose, quartzo-feldspathic intrusive/volcanic?
- **Vgq** graphitic biotite quartzite, possible exhalite
- **Vqb** quartz-biotite-sericite schist
- **Vsq** sericitic feldspathic quartzite - muscovite schist, locally with quartz eyes
- **V** undifferentiated

Q *Lower Unit:* (pre-late Devonian) Micaceous quartzite, minor marble (Nisling equivalent)

- **Q** undifferentiated

MINERALIZATION

CP - chalcopyrite
MG - magnetite
PY - pyrite
PO - pyrrhotite
SP - sphalerite

SYMBOLS

Geological contact (approximate)
Fault (assumed)
10 Foliation;
12 Fold axis
recumbent fold (synform, antiform)
DDH 1 Diamond drill hole
Rock sample (float, outcrop)
Silt sample
Contour soil sample
Trace of massive sulphides/magnetite

1993 ROCK SAMPLE ANALYSES

Sample	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
358375	float	<5	0.6	574	2	18
358376	float	<5	0.2	215	2	52
358377	float	<5	<0.2	169	410	8406
358378	float	<5	0.6	276	16	146
358379	1.60	<5	8.2	4530	2024	1.88%
358380	0.60	10	17.6	3809	3788	2.17%
358381	0.60	<5	12.4	1.30%	820	9424
358382	0.40	<5	12.2	6301	1326	1.26%
358383	1.00	<5	8.8	1.40%	910	8144
358384	float	<5	0.4	1421	32	232
358385	1.80	30	5.4	3477	2776	6.60%
358386	grab	75	17.4	114	3006	990
358387	0.40	15	5	1.11%	3078	11.1%
358388	1.20	15	3	3224	174	2958
358389	float	<5	1.4	376	592	8172
358390	float	<5	25.6	60	2960	5250
358391	float	<5	1.4	48	192	6394
358392	float	<5	4.4	100	5830	1.33%
358393	grab	<5	0.8	52	180	210
509468	float	<5	1.8	687	36	126
509469	float	<5	4	228	44	222
509470	float	25	5.2	412	706	4686
509471	grab	<5	0.6	52	332	406
509472	grab	<5	0.6	50	46	68
509473	grab	<5	1.6	52	448	2302
509474	float	<5	4	2525	1258	9190
509475	float	20	70.2	1258	>10000	4978
509476	grab	5	<0.2	18	240	72

1993 SILT SAMPLE RESULTS

Sample	Ag (ppm)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
S-20TB	0.2	707	3	86	1058
MBSLT93-15	0.2	19	<1	24	94
MBSLT93-16	<0.2	34	<1	18	118
MBSLT93-17	<0.2	16	<1	8	74
MBSLT93-18	0.4	25	<1	16	168
MBSLT93-19	<0.2	22	<1	14	152
MBSLT93-20	0.2	21	<1	12	142
MBSLT93-27	<0.2	62	2	34	324
MBSLT93-28	<0.2	57	2	28	322
MBSLT93-29	0.2	60	3	34	368
MBSLT93-30	<0.2	50	3	32	306
MBSLT93-31	<0.2	52	3	44	322
MBSLT93-32	<0.2	49	2	28	200
MBSLT93-33	<0.2	48	1	22	136
MBSLT93-34	0.2	397	3	64	1288

STATISTICAL ANALYSIS FOR GOVERNMENT REGIONAL SILT SAMPLES ON MAP 105G

Percentile	Ag (ppm)	Cu (ppm)	Mo (ppm)	Pb (ppm)	Zn (ppm)
80th	0.3	42	3	23	241
90th	0.4	54	6	33	322
95th	0.7	69	8	45	504
99th	1.1	123	15	90	1065

1994 ROCK SAMPLE ANALYSES

Sample	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
4301	grab	<5	<0.2	25	156	922
4302	float	<5	0.8	65	112	332
4303	float	<5	<0.2	54	2	110
4304	float	<5	<0.2	82	4	214
4305	float	<5	0.8	83	120	652
4306	float	<5	2.4	99	210	808
4307	grab	<5	<0.2	112	46	144
4308	grab	<5	5	177	3200	5780
4309	float	<5	<0.2	29	24	168
4310	grab	<5	<0.2	7	32	76
4311	grab	<5	15.6	1.63%	194	594
4312	grab	<5	<0.2	23	<1	42
4313	0.5	<5	<0.2	182	<1	172
4314	0.7	50	14.8	6780	356	280
4315	grab	35	2.6	1450	420	118
4316	float	20	24.4	1.55%	3780	1.56%
4317	float	<5	3	5770	324	2210
4318	float	<5	1.6	498	44	124
4319	grab	<5	<0.2	19	26	30
4320	grab	<5	<0.2	53	22	72
4321	grab	<5	<0.2	156	16	86
4322	0.8	340	62	4.97%	1.08%	2.71%
4323	grab	10	10.4	54	3800	194
4324	float	<5	0.4	65	20	226
4325	float	<5	<0.2	21	20	50
4351	grab	<5	9	5370	1220	>10000
4352	grab	<5	1	5360	48	>10000
596833	float	<5	2	4190	116	5200
596834	float	<5	<0.2	284	4	90
596835	float	<5	1	105	620	1690
596836	float	<5	0.2	18	46	528
596837	0.15	<5	4.2	2430	306	1400
596898	float	<5	0.4	29	76	1950
596899	float	<5	<0.2	96	4	166
596900	float	<5	6.8	1.15%	264	2220

1995 ROCK SAMPLE ANALYSES

Sample	Width (m)	Au (ppm)	Ag (ppm)	Cu (ppm)	Pb (ppm)	Zn (ppm)
50640	grab	<5	<0.2	6	14	86
50641	grab	<5	<0.2	12	18	106
50642	float	<5	0.8	33	174	68
50643	float	<5	0.4	75	52	402
50644	grab	<5	0.8	14	90	38
50645	float	<5	0.2	9	88	16
50646	grab	<5	0.6	40	132	144
50647	grab	<5	1.4	93	770	62
50648	grab	<5	<0.2	15	82	8
50649	grab	<5	0.4	28	16	74
50836	float	<5	0.8	56	250	1020

093520

METRES
0 100 200 300 400 500

Westmin Resources Limited

Atna Resources Ltd.

WOLVERINE PROJECT
PAK 1-70 CLAIMS
GEOLOGY & GEOCHEMISTRY

Work By	
Date Drafted	Mar. 1996
Drafted By	
Date Revised	
Revised By	
N.T.S. Number	105 G/7
Mining Division	Watson Lake

100 0 100 200 300m
SCALE 1 : 5,000

Figure 4