DIAMOND DRILL REPORT

INTERNATIONAL CANALASKA RESOURCES LTD.

TIMMINS PROPERTY

NTS 42A/SE

Andrew Tims
NORTHERN MINERAL EXPLORATION SERVICES

December 15, 1998
Timmins, Ontario

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INTRODUCTION

This report presents and summarizes the results of a five hole, 937 metre NQ diamond drill program carried out for International CanAlaska Resources (ICA) on their Timmins Twp. property located southeast of the city of Timmins. (Figure 1).

The drill program was conducted between November 16th and 27th, 1998. Three holes were drilled on a new grid combining 100 and 200 metre spaced lines with a baseline oriented N60°E over the northern portion of the property. Two additional holes were drilled on the existing grid about Dougherty Lake with a baseline oriented at N45°W. Drill targets were developed from a combination of IP, magnetic and VLF surveys in addition to geological mapping and results of previous drilling.

Lindsay Bottomer P.Geo of International CanAlaska Resources Ltd. managed the program with field supervision by Andrew Tims.

LOCATION AND ACCESS

The Timmins property is located in Timmins and Michie Townships of the Porcupine Mining Division. The property is approximately 47 kilometres southeast of the city of Timmins on NTS sheet 42A/SE.

Access to the property is gained via the Gibson Lake Road approximately 50 kilometres east of Timmins along Highway 101. The Gibson Lake Road traverses the northeastern portion of the property, crossing the properties northern boundary 24 kilometres south of Highway 101. A series of logging roads off of the Gibson Lake Road access the southern portion of the property. (Figures 1& 2)

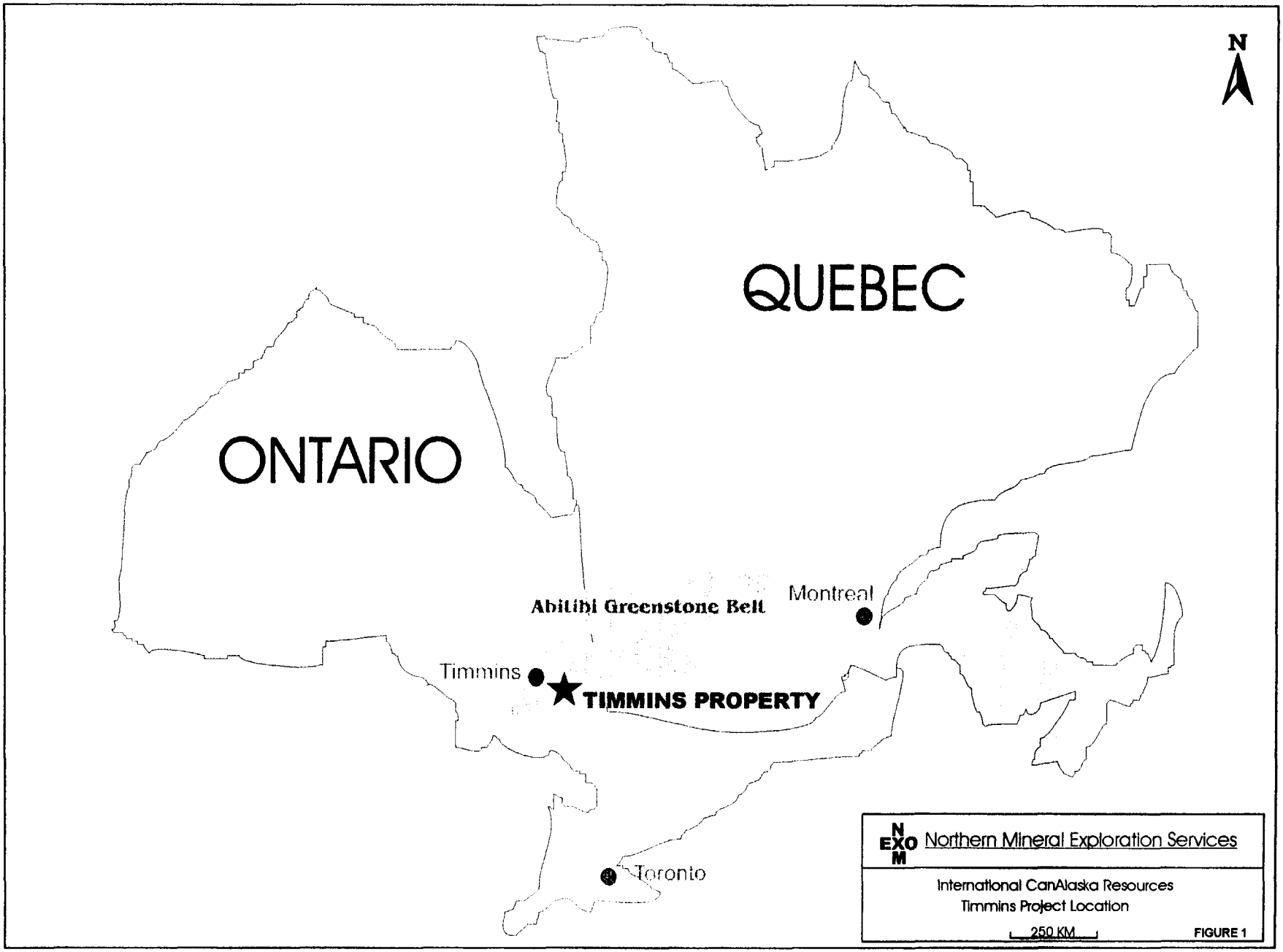
CLAIMS AND OWNERSHIP

The Timmins property consists of 49 contiguous unpatented claims, comprising approximately 9 520 hectares, in 580 claim units (Figure 2). International CanAlaska Resources has an option to earn a 50% interest in the property from East-West Resource Corp., Canadian Dragon Resource Ltd. and Cross Lake Minerals Ltd. A list of the claims is found in Table 1 with the names and addresses of the registered owners in Appendix 3.

Table 1

Timmins Property Claims List

Claim Number	Units	Due Date	Township	Registered Owner
1193700	16	June 14, 1999	Timmins	
1193701	8	June 14, 1999	Timmins	
1193702	1	June 14, 1999	Timmins	
1193703	16	June 14, 1999	Timmins	
1193706	12	June 14, 1999	Timmins	
1193745	16	September9, 1999	Timmins	50% East-West Resource Corp.
1193746	16	September 8, 1999	Timmins	50% Canadian Golden Dragon
1193747	16	September 8, 1999	Timmins	
1193748	3	September 8, 1999	Timmins	
1193749	2	September 8, 1999	Timmins	


N
QUEBEC
ONTARIO
Abitibi Greenstone Belt
Montreal
Timmins
TIMMINS PROPERTY
Toronto
NEXO Northern Mineral Exploration Services
International CanAlaska Resources
Timmins Project Location
250 KM
FIGURE 1

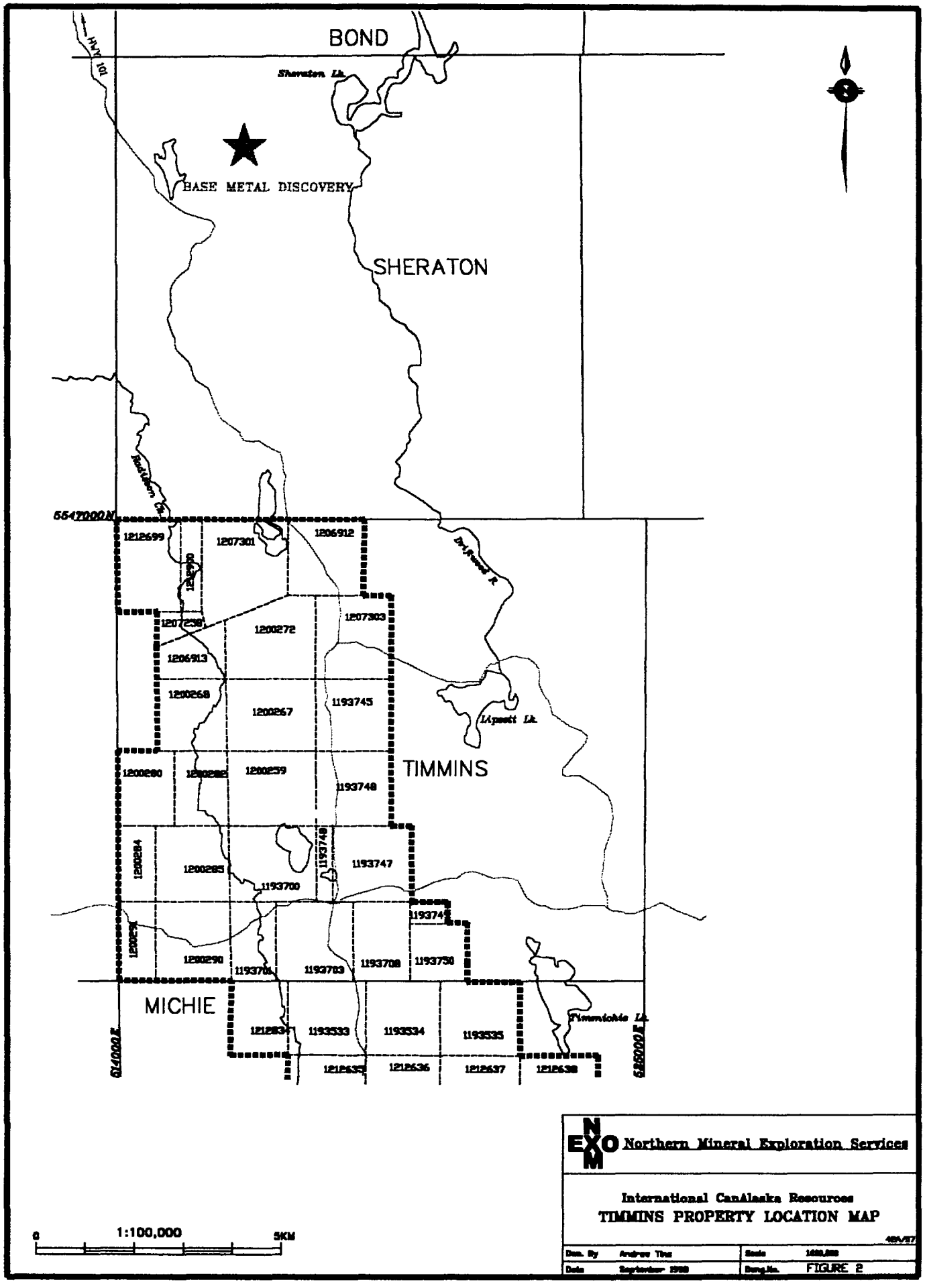
1193750	9	September 8, 1999	Timmins	
1207303	16	October 11, 1999	Timmins	
1193533	16	September 8, 1999	Michie	
1193534	16	September 8, 1999	Michie	
1193535	16	September 8, 1999	Michie	
1200259	16	August 24, 1999	Timmins	
1200262	12	August 24, 1999	Timmins	
1200267	16	August 24, 1999	Timmins	
1200268	16	August 24, 1999	Timmins	
1206912	16	February 19, 1999	Timmins	
1206913	16	February 19, 1999	Timmins	100% East-West Resource Corp.
1200272	16	August 24, 1999	Timmins	
1200280	12	September 8, 1999	Timmins	
1200284	8	September 8, 1999	Timmins	
1200285	16	September 8, 1999	Timmins	
1200290	16	September 8, 1999	Timmins	
1200291	8	September 8, 1999	Timmins	
1207301	16	October 11, 1999	Timmins	
1212699	16	January 30, 2000	Timmins	
1212700	4	January 30, 2000	Timmins	
1207056	6	May 16, 2000	Timmins	
1212634	12	November 6, 1999	Michie	
1212635	16	November 6, 1999	Michie	
1212636	16	November 6, 1999	Michie	50% East-West Resource Corp.
1212637	16	November 6, 1999	Michie	50% Canadian Golden Dragon
1212638	16	November 6, 1999	Michie	
1212639	8	November 6, 1999	Michie	
1212640	8	November 6, 1999	Michie	
1212641	8	November 6, 1999	Michie	
1219347	8	July 2, 1999	Michie	
1219500	12	July 2, 1999	Michie	
1219496	16	July 2, 1999	Michie	
1219497	16	July 2, 1999	Michie	
1223685	4	July 2, 1999	Michie	
1223686	16	July 2, 1999	Michie	100% International CanAlaska
1223687	16	July 2, 1999	Michie	
1223688	4	July 2, 1999	Michie	
1224292	12	July 2, 1999	Michie	
1228669	3	July 2, 1999	Michie	

PREVIOUS WORK

A lack of outcrop has hampered exploration in the area until recently:

1937 the Steven-la Casse claims, partly covering the present day claim group were staked;

1940 L.G. Berry of the Ontario Department of Mines mapped the Langmuir-Sheraton area sampling a quartz-sericite schist with pyrite mineralization in Timmins Township;


BOND
HWY 101
Sheraton Lk.
BASE METAL DISCOVERY
SHERATON
5547000N
1212699
1207301
1206912
1207303
1207238
1200272
1206913
1200268
1200267
1193745
1200280
1200282
1200259
1193748
TIMMINS
1200284
1200285
1193749
1193747
1193700
1193744
1200290
1193706
1193703
1193708
1193750
MICHIE
1212634
1193533
1193534
1193535
1212635
1212636
1212637
1212638
514000E
586000E
0
1:100,000
5KM
Northern Mineral Exploration Services
International CanAlaska Resources
TIMMINS PROPERTY LOCATION MAP
Dwn. By
Andrew Thu
Scale
Date
September 1998
Dwg.No.
FIGURE 2

1972 Cominco completed a magnetic and VLF survey along the Sheraton-Timmins Township boundary;
1972 The Geological Survey of Canada covered the area with a reconnaissance scale Lake sediment survey;
1980 The Ontario Geological Survey mapped a 6 township area including Timmins and Michie;
1983 P. Guenther staked a four-claim block west of Doughtery Lake and drilled a 53 metre hole intersecting interbedded rhyolite tuffs and flows and chloritic tuffs;
1988 P. Guenther completed a small trenching program over the claims using a portable drill and explosives;
1992 East West Resources Corp. staked the current claim block.
1993 280 kilometres of grid line, magnetic and IP surveys were carried out by East-West Resources and joint venture partner Canadian Golden Dragon Resources;
1995 Royal Oak Mines optioned the claim block and completed a total of 54.5 kilometres of IP and three DDH (TT95-1, 3,& 11) totalling 887 metres;
1996 A 'B' horizon soil sampling program of 336 soil was completed on the western half of the property with a four hole DDH program (TT96-4, 14, 25, & 6) totalling 1,198 m;
1997 An additional 135.8 kilometres of line cutting, magnetic, VLF, and Max-Min surveys were completed with a single 210 metre DDH finished on claim P1193700.
1998 A detailed mapping program was carried out over an area of limited outcrop West of Dougherty Lake during September to evaluate the mineralization and alteration associated with the Sulphide and Sericite Showings.

DRILL PROGRAM SUMMARY

Drilling commenced on November 16th and was completed on November 27th, 1997. NDS Drilling Ltd. of Timmins, Ontario was contracted to perform the diamond drilling using a Boyles 37 drill rig. The drill program consisted of 5 NQ holes, numbered TT98-01 to TT98-05, totaling 937 metres.

Magnetic susceptibilities were measured at 0-0.1X10^{-3} cgs for all rock units and noted in the drill logs. Measured susceptibilities in the core were generally low throughout.

The drilling was carried out on claims P1193700, P1207303, P1200259 and P1206912. All holes were collared at a dip of -50°. Diamond drill logs are included in Appendix 1 while assay certificates for gold and 34 element ICP are listed in Appendix 2. Drill plans and sections are located in Appendix 4.

A total of 198 samples were taken for Au by fire assay with AA finish and 34-element ICP scan. Samples returning values greater than 1,000 ppm zinc by ICP analysis were reassayed using a concentrated nitric and hydrochloric acid digestion and an AA finish. Chemex Labs in North Vancouver carried out all assaying. Sample lengths averaged 1.0 metres.

Samples were logged and split in the Echo Bay Mines core facility at the Aquarius Mine property and shipped by the author to the Chemex Labs prep facility in Timmins on a daily basis. All drill cores are stored outdoors at the Aquarius Mine property.

Table 3
Diamond Drill Program Details

Hole	Easting	Northing	Azimuth	Dip	Length
TT98-01	1+00W	15+00S	RYO GRD 180°	-50°	260.0
TT98-02	9+00E	3+60N	RYO GRD 180°	-50°	212.0
TT98-03	2+900W	21+75S	ICA GRD 270°	-50°	158.0
TT98-04	8+00E	1+75S	ICA GRD 180°	-50°	164.0
TT98-05	2+25W	0+75N	ICA GRD 180°	-50°	143.0

REGIONAL GEOLOGY

The Timmins property is located within the Watabeag Assemblage of the northeast trending Abitibi Subprovince of the Archean Superior Province. The property covers about 15 kilometres of strike length of a 5 kilometre wide northwest trending volcanic sequence sandwiched between two granodiorite batholiths (Blackstock and Kasba). The geological character of the Watabeag Assemblage is largely unknown due to extensive overburden cover. The assemblage yields a flat aeromagnetic pattern distinct from the Kinojevis North and South Assemblages to the north and east respectively (Pye 1991). Where exposed, the assemblage is composed of interbedded mafic and felsic volcanics which have been correlated with the calc-alkalic Blake River Assemblage north of Kirkland Lake (MERQ-OGS 1983). North trending diabase dykes obliquely cut the volcanic sequence.

PROPERTY GEOLOGY

Lithology

The ICA drill program intersected: siltstone, greywacke, tuffaceous sediment, andesite tuff, intermediate to felsic tuff plus mafic, feldspar porphyry and diabase dykes. A classification criterion for each lithology is described in the following section.

Sediments

Siltstone (coded 5s) is dark grey to black in colour, very fine grained and moderately bedded with trace - 1% pyrite as fracture surface coatings. Porphyroblasts of staurolite and andalusite occur throughout the sediment typically as 10-15% medium grain euhedral to anhedral clots. Centimetre scale 3-5 cm tuffaceous sedimentary beds occur throughout containing trace pyrrhotite.

Tuffaceous Sediment (coded 5t) is mottled light to dark grey in colour, fine grained with 1-3% mafic volcanic lapilli, locally 3-4% medium grained subhedral feldspar averaging 2-3 millimetre in diameter. The unit is generally weakly fractured throughout with carbonate infilling of fractures and is cut by millimetre scale light grey quartz veinlets at 45° to the core axis containing trace pyrrhotite.

Greywacke (coded 5g) is a fine to medium grained, weakly bedded sediment with a matrix consisting of biotite, feldspar plus trace quartz and rock fragments. Isolated fine grained intervals contain trace amounts of fine grained aluminosilicate clots. The unit typically contains trace to 1/2% disseminated pyrite. Locally 15-20 cm medium grained beds in drill hole TT98-01 show grading in a down hole direction (tops to grid south?).

Volcanics

Andesite Tuff/Lapilli Tuff (coded 3t,3lt) is dark green-dark grey in colour. Tuffs consist of 30-40% fine-grained chloritic ash size fragments and 5-8% mafic lapilli. The matrix is weak to moderately biotitic with trace subhedral feldspar 1-2 mm in size. Lapilli tuff and Lapilli-stone have a similar matrix but also contains up to a maximum of 40% lapilli. Some lapilli (<5%) are partially sericitized.

Intermediate to Felsic Tuff/Lapilli Tuff (coded 4p) is a light grey-green, moderate to strongly foliated pyroclastic. Overall a well developed fragmental with 4 to 5% angular to sub-angular sericite/hematite altered lapilli containing relic feldspar set in a fine grained chloritic matrix. The matrix also contains 2-3% angular to subangular quartz fragments averaging 2x4 mm in size exhibiting a 3:1 stretching ratio. Hematite staining occurs along fractures and accompanies millimetre scale sericite haloes about quartz veins. The unit is locally magnetic with fine grained magnetite visible over short intervals. Trace carbonate along fractures. Trace-1/2% disseminated pyrite.

Intrusives

Feldspar Porphyry Dykes (coded 8fp) are medium grained, medium grey with 30-40% subhedral to euhedral beige to pink feldspar within variably silicified groundmass. One centimetre wide quartz veinlets containing trace pyrite locally cut the dykes. Typically trace-1/2% very fine grained pyrite occurs throughout the groundmass

Mafic Dyke (coded 7g) is grey-green in colour composed of medium to coarse grained amphibole and feldspar. The unit exhibits a weak foliation and is moderately fractured with minor brecciation and weak pervasive carbonate alteration.

Diabase (coded 9) dykes (Matachewan) are dark grey to black, medium to coarse grained and are weak to moderately magnetic. Topographic highs in the map area are dominated by outcropping diabase.

Drill log Summary

TT98-01

TT98-01 was spotted to test a strong zone of chargeability within a broad resistivity low coinciding with a weak magnetic response 400 m. west along strike of a base metal intersection encountered in hole TT96-16 by Royal Oak Mines Ltd. An alternating succession of fine grained porphyroblastic siltstone and tuffaceous sediments was collared into from 70.05 m to 156.5 m. Within this interval the sediments exhibited moderate to strong fracturing with sphalerite and galena occupying the majority of the fractures. Similar base metal mineralization also occurred, to a lesser degree, in quartz veinlets accompanied by trace amounts of chalcopyrite. A fine grained weakly fractured greywacke followed to 195.42 m. with numerous quartz carbonate veinlets containing ½-1% pyrite, 1-2% sphalerite and trace galena and chalcopyrite. It is within this unit where the highest zinc (1.4%) and copper (0.4%) assays over a one metre sample for hole TT98-01 were returned. A fine grained moderately fractured siltstone completed the hole to a depth of 260.0m. with numerous fault gouges and base metal bearing quartz veinlets. The IP and magnetic

anomaly was explained by 1-2% disseminated pyrite and base metal sulphides hosted within and around a strongly fractured fault zone.

TT98-02

TT98-02 was spotted to test a moderate zone of chargeability 200 m. along strike to the west of a base metal intersection encountered in hole TT96-11 by Royal Oak Mines Ltd. A similar succession of siltstone and tuffaceous sediments as those described in TT98-01 was encountered from 40.20 m. to 174.65 m. Sphalerite and galena averaged ½-1% from 122.0 m to 169.0 m. in fractures, quartz veinlets and fault gouges. The maximum assays for zinc and lead from this interval were 1.1% and 0.25% respectively over a one metre sample. Andesitic tuff to a lapilli tuff finished the hole to a depth of 212.0 m. As in hole TT98-01, the chargeability is interpreted to be 1-2% pyrite associated with the base metal sulphides within and around a moderately fractured fault zone.

TT98-03

TT98-03 was spotted to intersect an ENE striking moderate IP chargeability feature coinciding with a very weak zone of resistivity. The hole encountered an intermediate to felsic tuff/lapilli tuff from 94.0 m. to the end of the hole at 158.0 m. The tuff was strongly foliated and consisted of a moderately chloritized matrix with 2-5% feldspar phyric lapilli and 2-3% angular quartz fragments. The source of the IP chargeability is considered to be fine to medium grained disseminated magnetite from 105.5 m. to 112.3 m.

TT98-04

TT98-04 was spotted to intersect a moderately strong, single line IP chargeability response within a zone of low resistivity coincident with a major N60°E trending fault interpreted from airborne and ground magnetic data. Modelling of the magnetic profiles suggested the fault zone represents the northern contact of a mafic intrusion. The hole collared into a fine grained mafic tuff at 43.3 m. The tuff was weakly foliated and exhibited moderate silicification and 1-2% disseminated pyrite 1.5 m before the contact with a Matachewan Diabase dyke at 47.5 m. The diabase was generally medium to coarse grained with a 1.5 metre chill margin and moderately magnetic with a steep south dip. The massive intrusive continued to the end of the hole at 164.0 m. The IP anomaly is interpreted to to be caused by very fine grained disseminated magnetite in the marginal phase of the diabase dyke. No samples were taken for assay.

TT98-05

TT98-05 was sited on the same basis as TT98-04 to intersect a moderately strong IP chargeability response in a zone of moderate resistivity coinciding with the interpreted northern contact of a mafic intrusion. The hole collared into a mafic tuff from 54.95 m to 115.20 m. The mafic tuff exhibited patchy and fracture controlled sericite/epidote alteration about numerous quartz-kspar veinlets within a well a developed fault zone from 61.5 m. to the lower contact with a Matachewan Diabase dyke at 115.20 m. The massive intrusive was medium to coarse grained, moderately magnetic with a steep south dip at the contact and continue to the end of the hole at 143.0 m. The source of the IP anomaly is thought to be the presence of 1/2-1% disseminated pyrite within the sericite/epidote alteration of the fault zone. Ten samples were taken for gold analysis. All assay results were less than 5 ppb.

Alteration and Mineralization

Significant copper, lead, and zinc mineralization was encountered over wide widths in both TT98-01 and 02. Intervals of strongly anomalous assays are as follows:

Hole:	Interval (m.)	Length	Zn%	Pb%
TT98-01	146.5-158.0 m.	11.5	0.16	0.03
	165.0-171.0	6.0	0.69	0.05
TT98-02	127.7-132.0	4.3	0.15	0.07
	145.5-147.8	2.3	0.24	0.24
	155.5-158.0	2.5	0.65	0.15

Sphalerite and galena appear predominately as fracture fillings with minor amounts of carbonate and minor if any sericite alteration halos. Chalcopyrite with sphalerite and galena is present in quartz carbonate veinlets cross cutting the fracture filling sulphides or within quartz cemented fault gouges. In both cases the quartz veining exhibit millimetre scale sericite alteration of the wallrock.

The style of emplacement of the sulphides and the lack of appreciable wallrock alteration indicate the mineralizing fluids were relatively cool and were most probably products of remobilization. The presence of aluminosilicates in the sediments indicates the local stratigraphy has undergone temperatures conducive to lower to middle amphibolite conditions. Such conditions may produce temperatures of 400 to 500° C sufficient to remobilize low temperature sulphides such as sphalerite and galena.

CONCLUSION AND RECOMMENDATIONS

Diamond drill holes TT98-01 & 02 intersected and verified the strike of the base metal mineralization encountered in previous drilling by Royal Oak Mines Ltd. The sulphides are epigenetic in character rather than of primary VMS origin. The sulphide mineralization occurs in faults striking to the northwest where felsic volcanics are interpreted to dominate and the source of the local thermal metamorphism probably originated (Blackstock Granodiorite). The original source of the base metal sulphides may be located to the northwest of TT98-01 and 02 under a thick blanket of glacial and fluvial deposits.

The intermediate to felsic tuff encountered in TT98-03 was strongly foliated and displays moderate chlorite alteration of the matrix. Though not encountered, the hole may be in close proximity to a fault zone.

Further work on the Timmins property should include:

1) Follow up geophysics and drilling to trace out the mineralized faults in conjunction with ;
2) A re-evaluation of the geophysical data and drill testing of very weak/deep conductors located to the northwest of holes TT98-01 and 02;
3) Whole rock sampling of the intermediate to felsic tuff in hole TT98-03 to determine the primary lithology and alteration style and;
4) A stratigraphic fence of holes bracketing TT98-03 to intersect and determine the economic potential of any local fault structure.

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STATEMENT OF QUALIFICATIONS

I, Andrew A. B. Tims, of 309 – 1214 Riverside Drive, Timmins, Ontario hereby certify that:

1.) I am the author of this report.

2.) I graduated from Carleton University, in Ottawa, with a Bachelor of Science Degree in Geology (1989).

3.) I possess a valid prospector's license and have been practising my profession for the past 10 years and have been actively involved in mineral exploration for the past 12 years.

4.) I am a member of the Canadian Institute of Mining and Metallurgy, Prospectors and Developer Association of Canada and a Fellow of the Geological Association of Canada.

5.) I do not hold or expect to receive any interest in the property described in this report.

6.) I consent to the use of this report by International CanAlaska Resources Ltd.

Timmins, Ontario
December 21, 1998

Andrew Tims
Geologist
Northern Mineral Exploration Services

APPENDIX 1 – Diamond Drill Logs & Legend

GRS (Grain Size)

VFG	Very fine grained	
FG	Fine grained	aphanitic
FMG	Fine medium grained	aphanitic
MG	Medium grained	aphanitic
MCG	Medium coarse grained	aphanitic
CG	Coarse grained	phaneritic
VCG	Very coarse grained	phaneritic

TEXT (Texture)

VAR	Variolitic - globular structures of devitrified glass (basic)
SPH	Spherulitic - globular structures of devitrified glass (acid)
POIK	Poikilitic - small grains floating in one large grain
OPH	Ophitic - euhedral/subhedral feldspar embedded in pyroxene xtal
DIA	Diabasic/doleritic - lath-like feldspar with pyroxene between
POR	Porphyritic - large phenocrysts in fine-grained matrix
GLOM	Glomeroporphyritic - phenocrysts occur in clusters
SERI	Seriate - complete grain range from matrix to phenocryst
AMYG	Amygdaloidal - vesicle filled with minerals

ALIG	Alligator	MOTL	Mottled
BLOT	Blotchy	NED	Needled
BND	Banded	SHD	Sheared
BRX	Brecciated	SPT	Spotted
CLAS	Clastic	SPX	Spinifex
COT	Contorted	SUG	Sugary
CRA	Crackled	VUG	Vuggy
CHLZ	Chill zone	MUD	Muddy
FRAG	Fragmental	QFP	Quartz feldspar phyric
GRAN	Granitic	BED	Bedded
GRT	Gritty	fp	feldspar phyric
RUB	Rubbly	qp	quartz phyric
HOM	Homogeneous	pf	primary fragments
LAM	Laminated	tf	tectonic fragments
MBX	Mild brecciated		

CO (Colour)

AQ	Aqua	LM	Lime
BK	Black	OR	Orange
BL	Blue	PL	Purple
BR	Brown	RB	Red brown
CR	Cream	RD	Red
GBR	Grey brown	RG	Red green
GG	Green grey	TN	Tan
GR	Green	VI	Violet
GTN	Grey tan	WH	White
GY	Grey	YL	Yellow

ALT (Alteration)

ALB	Albitized
BAF	Buff Altn Flecks
BLD	Bleached
CAR	Carbonaceous
CRB	Carbonatization
CCL	Calcite-Chlorite
CHL	Chloritic
CC	Calcitic
EPD	Epidotization
FEL	Felsic
HEM	Hematized (red altn)
HMS	Hematitic Spotted
LCH	Leached
OXD	Oxidized
QCB	Quartz-Carbonate
QCV	Quartz-Carbonate Veining
SCL	Sericitic-Chloritic
SER	Sericitic
SIL	Silicification
SNF	Snowflake
SRP	Serpentinization
SUL	Sulphidization
TAN	Tan Alteration
TCL	Talc Chlorite
LEU	Leucoxene

NAM (Rock Name)

OVB	Overburden	CAS	Casing
L/C or LC	Lost Core	MC	Missing Core

1 KOMATIITIC VOLCANICS

1	Unsubdivided
1s	Serpentinized, massive, polysutured, peridotitic komatiite
1ox	Olivine-spinifex textured peridotitic komatiitic flows
1px	Pyroxene-spinifex textured basaltic komatiitic flows
1mb	Massive basaltic komatiite
1m	Massive
1p	Pillowed
1cb	Carbonatized peridotitic komatiite or carbonate rock
1t	Talcose
1b	Basaltic komatiite
1bcb	Carbonatized basaltic komatiite
1tcb	Talc carbonated komatiite
1fu	Fuchsitic carbonate rock

2 THOLEIITIC VOLCANICS

2	Unsubdivided
2m	Massive
2p	Pillowed
2a	Amygdaloidal
2apl	Amygdaloidal pillow lava
2v	Variolitic
2t	Tuff, lapilli-tuff
2b	Breccia
2cb	Carbonatized
2pb	Pillow Breccia
2h	Hyaloclastite
2ag	Agglomerate
2am	Amphibolitized
2scf	Spherulitic, chicken-feed
2sch	Schistose
2sh	Shear
2F	Dominantly Fe-tholeiite
2M	Dominantly Mg-tholeiite
2AL	Dominantly AL-tholeiite
2I	Dominantly Icelandite

3 CALC-ALKALIC MAFIC VOLCANICS (MAFIC-INTERMEDIATE VOLCANICS)

3	Unsubdivided
3a	Andesite
3m	Massive
3p	Pillowed
3t, 3lt	Tuff, lapilli-tuff
3b	Breccia
3cb	Carbonatized
3am	Amphibolitized
3pb	Pillow brx
3sh	Shear

4 INTERMEDIATE-FELSIC VOLCANICS

4d	Dacite
4rd	Rhyodacite flows
4dt	Dacite tuffs
4dp	Dacite pyroclastics
4da	Agglomerate-breccia, conglomerate
4dlt	Dacite lapilli tuff
4dm	Dacite massive flow
4p	Intermediate-felsic pyroclastics
4r	Rhyolite-undifferentiated
4sch	Intermediate-felsic schist
4sh	Shear
4rm	Massive rhyolite
4rt	Rhyolite tuff
4rlt	Rhyolite lapilli tuff
4ra	Rhyolite agglomerate
qp	(quartz-eye porphyritic)
pp	(plagioclase-porphyritic)
4phyl	Phyllite

P	denotes Primitive
E	denotes Evolved

5 SEDIMENTS

5	Unsubdivided
5a	Argillite
5c	Conglomerate
5g	Greywacke
5sl	Slate
5p	Porphyritic, qp (quartz-eye porphyritic), pp (plagioclase-porphyritic)
5d	Debris flow
5q	Quartzite
5qw	Quartz wacke
5gr	Graphite
5ch	Chert
5ag	Agglomerate
5t	Tuffaceous-sediment
5s	Siltstone
5ss	Sandstone
5sch	Schist
5sh	Shear
5ex	Exhalite
5tqp	Quartz porphyritic tuff
5phyl	Phyllite
GFZ	Graphitic Fault Zone

K	denotes Keewatin
T	denotes Timiskaming

6 ULTRAMAFIC INTRUSIVE ROCKS

6	Unsubdivided
6s	Serpentinized diorite-peridotite
6ph	Pyroxene-hornblende
6c	Carbonatized
6tm	Talc-magnesite

7 MAFIC INTRUSIVE ROCKS

7	Unsubdivided
7a	Anorthosite
7d	Diorite
7g	Gabbro
7qg	Quartz gabbro
7pg	Pegmatoidal gabbro
7l	Lamprophyre
7ib	Intrusive breccia
7n	Nipissing Diabase-type sills

7 - mafic-
5C - ground core

8 FELSIC INTRUSIVE ROCKS

8	Unsubdivided
8qp	Quartz porphyry
8fp	Feldspar porphyry
8qfp	Quartz feldspar porphyry
8f	Felsite, p (porphyritic), qp (quartz-eye porphyritic), pp (plagioclase-porphyritic)
8hbt	Hornblende-biotite trondhjemite
8pm	Porphyritic monzonite
8gd	Granodiorite
8pg	Porphyritic granodiorite
8lg	Leucocratic granodiorite
8hd	Hornblende diorite
8qd	Quartz diorite
8p	Porphyry
8a	Aplite
8s	Syenite
8g	Granite or quartz-rich syenite
8t	Trachyte

9 MATACHEWAN DIABASE

10 HURONIAN SEDIMENTS

10a	Arkose
10w	Wacke
10arg	Argillite
10c	Conglomerate

11 QUARTZ DIABASE

12 OLIVINE DIABASE

13 IRON FORMATION

IFo	Oxide
IFs	Sulphide (py-po)
IFc	Carbonate
IFj	Jasper
BIF	Banded iron formation
IFchl	Chlorite-rich
IFgr	Graphitic

These abbreviations are used after a lithology name, if desired ("Nam" column must be limited to 5 characters). Allows alteration to be shown with name when drill hole is plotted.

3m,s	Would denote a massive calc-alkalic mafic volcanic which is sericitized
chl	Chloritic
chty	Cherty
s or ser*	Sericitic
sil	Silicified
ank	Ankerite
cc	Calcite
c	Carbon
cb	Carbonate
h	Hematite
alb	Albitized
fu	Fuchsitic
mt	Magnetite
sh	Sheared
tcb	Talc carbonate schist
tcs	Talc chlorite schist
gr	Graphitic
arg	Argillaceous
sch	Schist
gt	Garnet
oxd	Oxidized
bl	Bleached
epd	Epidote
serp	Serpentinized

* where computer space permits, use ser

Note: In addition to the percentage of quartz veins being indicated, one should indicate in the Comments column whether the veining is tensional (i.e. cutting foliation) or of the strike variety (i.e. parallel to foliation) or both. For example "10% qtz (t)" or "15% qtz (t + s)".

SULPHIDES

DS	Disseminated sulphides
SS	Stringer sulphides
MS	Massive sulphides
SMS	Semi-massive sulphides

OXIDES

Mt	Magnetite (80-100%)
QAV	Quartz ankerite veining

NAM2

This column has been added to accommodate future changes in geology names.

FORM

A formation column has been added to accommodate extensive geological naming practices. FORM will be used to plot geology, and must be limited to a maximum of eight names or numbers (for the 8 plotter pens).

STRUCTURE

B/S	S	Schistosity	C	Contact
	F	Foliation	V	Vein (primary if more than one occurs)
	B	Bedding		

J/F	J	Joint Plane
	V	Vein (secondary if more than one occurs)
	F	Fault Plane/Fracture

A1/A2

Measurement of above with respect to core axis (C.A.)

MINERALS

GANGUE

ACT	Actinolite	GAR	Garnet
ANH	Anhydrite	HBL	Hornblende
ANK	Ankerite	LEU	Leucoxene
BIO	Biotite	MUS	Muscovite
CC	Calcite	PYR	Pyroxene
CAR	Carbonate	QC	Qtz Carbonate
CHL	Chlorite	QTZ	Quartz
DOL	Dolomite	SER	Sericite
EPD	Epidote	SPR	Serpentine
FSP	Feldspar	TOU	Tourmaline
FUC	Fuchsite		

METALLIC

ASP	Arsenopyrite
CPY	Chalcopyrite
GN/GA	Galena
GRA	Graphite
HEM	Hematite
PO	Pyrrhotite
PY	Pyrite
SID	Siderite
SPH	Sphalerite
STB	Stibnite
VG	Visible Gold

MINERAL %

0.01	Trace
0.05	Minor Occurrence
2.0	2%

SPL #

Sample number

WDTH (Width)

T (Sample Type)

C	Core
G	Grab
H	Chip
L	Channel
S	Sludge

COMMENTS

Standard abbreviations should be used where possible so that anyone can refer to this "dictionary" and clearly read the logs. If abbreviations are being used that are not included on this list, please add them.

ANH	Anhedral
BLB	Blebs
BL-QTZ	Blue Quartz
CA	Core Axis
CV	Carbonate Vein
DEFMD	Deformed
DIS	Disseminated
EUH	Euhedral
EXT	Extensive
FOL	Foliation
FUCH	Fuchsite
GRND	Ground (core)
>	Greater Than
IC	In Contact
IVC	In Vein Contact
IRR	Irregular
<	Less Than
MAG	Magnetic
MNR	Minor
MOD	Moderate(ly)
NOD	Nodules
OCC	Occasional
OC	Out Contact
OVC	Out Vein Contact
PLL	Parallel
QCV	Qtz-Carb Vein
QV	Quartz Vein
RXN	Reaction
STR	Strong
STK	Stockwork
STG	Stringer
SUB	Subhedral
TR	Trace
TW	True Width
VNS/VN/V	Veins
VLETS	Veinlets
W	With
WO	Without
WK(LY)	Weak(ly)

ASSAY

Suggested usage for assay columns

AU1	PPB
AU2	Fire Assay (use FA1 column if available)
ASSAY3, etc	To be used if there is a need to show a relationship with gold, otherwise geochemical analysis is available on other systems

NORTHERN MINERAL EXPLORATION SERVICES

DIAMOND DRILL LOG

Date: November. 19, 1998

PROPERTY: Timmins
HOLE No.: **TT98-01**
Collar Eastings: 100.00W
Collar Northings: 1500.00
Collar Elevation: 300.00
Grid: Royal Oak

Collar Inclination: -49.50
Grid Bearing: 180.00
Final Depth: 260.00 metres
Drilled By: NDS Drilling
Claim No: 1200259

Logged by: Andrew Tims
Date Started: Nov. 16, 1998
Date Finished: Nov. 19, 1998
Core Size: NQ

DEPTH	INCLINATION	BEARING
45.00	-49.50	180.00
95.00	-49.50	180.00
195.00	-48.50	180.00
245.00	-48.50	180.00

Core Storage: Aquarius Mine site

FROM (meters)	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS WIDTH (meters)	Copper ppm	Lead ppm	Zinc ppm
0.00	70.05	OVERBURDEN (OVB)							
70.05	73.65	SILTSTONE (5S) Dark grey to black in colour, very fine grained, moderately bedded, trace - 1% pyrite as fracture coating, locally 3-5cm tuffaceous sedimentary beds occur containing trace pyrrhotite. Foliation 50° at 72m							
73.65	93.12	TUFFACEOUS SEDIMENT (5T) Mottled light to dark grey in colour, fine grained, 1-3% mafic volcanic lapilli, locally 3-4% medium grained subhedral feldspar averaging 2-3 mm in diameter, weakly fractured throughout with carbonate infilling, unit is cut by millimeter scale light grey quartz veinlets at 45° to the core axis with Trace pyrrhotite. Leading contact at 60° to the core axis. 76.5 - 80.5 Two quartz veins per meter in a light grey bleached interval averaging 1/2% pyrite as disseminations and blebs along fractures, 88.7m. 5 centimetre wide quartz-the carbonate vein at 45°to core axis.	274006	77.00	78.00	1.00	43.0	6.0	74.0
			274007	78.00	79.00	1.00	58.0	2.0	64.0
			274008	79.00	80.00	1.00	75.0	2.0	54.0
			274009	80.00	81.00	1.00	52.0	2.0	70.0
			274010	87.00	88.00	1.00	39.0	4.0	186.0
			274011	88.00	89.00	1.00	17.0	2.0	248.0
93.12	103.55	SILTSTONE WITH INTERBEDS OF TUFFACEOUS SEDIMENT (5S, (5T)) Black, very fine grained, well-bedded unit, Numerous 1-1.5 m beds of 5T as described above with 1-2% lapilli, Trace -1/2% pyrite throughout the interval 93.8 - 94.38 1-1.5% pyrite in a light grey bleached interval	274012	93.50	94.50	1.00	51.0	4.0	92.0
			274013	96.00	97.00	1.00	92.0	2.0	88.0
			274014	97.00	98.00	1.00	41.0	4.0	88.0
			274015	100.00	101.00	1.00	61.0	94.0	184.0

DIAMOND DRILL LOG

PROPERTY: Timmins
HOLE No.: **TT98-01**

FROM (meters)	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS WIDTH (meters)	Copper ppm	Lead ppm	Zinc ppm
		consisting of weak carbonate alteration							
		99.25 - 100.60 .							
		1/2-1% disseminated and bleby pyrite							
103.55	135.75	SILTSTONE(5S)	274016	106.00	107.00	1.00	43.0	16.0	136.0
		Similar to previous 5S interval but with 4-5% dark grey	274017	116.00	117.00	1.00	46.0	2.0	120.0
		irregular clots of aluminosilicates 3-4 mm in diameter,	274018	117.00	118.00	1.00	81.0	2.0	92.0
		The porphyroblasts are fibrous probably composed of	274019	118.00	119.00	1.00	41.0	2.0	88.0
		sillimanite and/or andalusite,	274020	129.12	130.00	0.88	60.0	672.0	2360.0
		Trace to 1/2% pyrite on fractures	274021	130.00	131.00	1.00	69.0	1250.0	2870.0
		106.3 - 106.6	274022	131.00	132.00	1.00	55.0	618.0	1530.0
		Bleached interval cut by 4 mm wide dull grey	274023	132.00	132.70	0.70	95.0	1110.0	4280.0
		quartz vein at 40° to the core axis,							
		109.5 - 110.0							
		Blocky core,							
		117 - 118.5							
		2-3% subhedral to irregular disseminated and							
		bleby fracture fill pyrite,							
		Foliation 60° at 119m.							
		129.12 - 132.70							
		Locally blocky core, 1-2% bleby and disseminated							
		pyrite within matrix, 3-4 mm wide quartz-							
		carbonate veinlets at 10° to the core axis							
		containing 1-2% py, trace sphalerite and galena							
		Average of 2 veins per meter							
		132.4m.A quartz-carbonate veinlet with 10-15% sphalerite,							
		4-5% galena & trace chalcopyrite							
135.75	139.35	TUFFACEOUS SEDIMENT (5T)	274024	136.50	137.50	1.00	44.0	4.0	112.0
		Fine grained, weakly laminated, medium grey green, locally 1-2%							
		black flattened lapilli, 2-3% euhedral feldspar,							
		Trace pale read irregular garnet about quartz veins							
		Leading contact is sharp at 60°							

DIAMOND DRILL LOG

PROPERTY: Timmins
HOLE No.: **TT98-01**

FROM (meters)	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS WIDTH (meters)	Copper ppm	Lead ppm	Zinc ppm
		Trailing contact is distinct but irregular. 136.5m.A 20 cm bleached interval about a 2 cm. quartz vein.							
139.35	156.5	SILTSTONE (5S) Similar to previous 5S. 140.58m. A 25 cm interval of 5T 142.0 - 143.5 Blocky core with quartz-carbonate veinlets at 15° to the core axis, veinlets internally display a well developed breccia texture, veins average 2-3% sphalerite & trace galena 145.5 - 152.6 Core is moderately fractured with a weak breccia texture and carbonate infill. 1-2% bleby and disseminated pyrite throughout plus along fractures with trace sphalerite and galena, 147.97 152.5 Fault Zone at 60°-65° to the core axis. 152.6 - 156.5 1-2 mm. wide sphalerite & quartz filled fractures averaging 3 per meter at 30° to the core axis, Unit coarsens down hole with a greater feldspar content.	274025	142.50	143.50	1.00	33.0	16.0	100.0
			274026	145.50	146.50	1.00	49.0	16.0	134.0
			274027	146.50	147.50	1.00	66.0	122.0	1005.0
			274028	147.50	148.50	1.00	54.0	414.0	1365.0
			274029	148.50	149.50	1.00	42.0	420.0	1510.0
			274030	149.50	150.50	1.00	49.0	698.0	1945.0
			274031	150.50	151.50	1.00	3.0	26.0	154.0
			274032	151.50	152.50	1.00	65.0	816.0	3890.0
			274033	152.50	153.50	1.00	18.0	44.0	408.0
			274034	153.50	154.50	1.00	42.0	142.0	1935.0
			274035	154.50	155.50	1.00	58.0	262.0	1870.0
			274036	155.50	156.50	1.00	47.0	362.0	1555.0
156.5	195.42	GREYWACKE (5G) Fine grained, biotite, feldspar +/- quartz matrix with trace fine grained aluminosilicate clots, trace to 1/2% disseminated pyrite, weakly bedded, locally 15-20 cm. medium grained 5G grading down hole (tops to the south?) Leading contact gradational over 2 m. 158.0 - 162.15 Cut by numerous (5 per meter) 1-2 mm. irregular	274037	156.50	158.00	1.50	41.0	398.0	2070.0
			274038	158.00	159.00	1.00	21.0	40.0	248.0
			274039	159.00	160.00	1.00	16.0	28.0	340.0
			274040	160.00	161.00	1.00	26.0	24.0	108.0
			274041	161.00	162.00	1.00	5.0	44.0	98.0
			274042	162.00	163.00	1.00	11.0	22.0	92.0
			274043	163.00	164.00	1.00	54.0	148.0	568.0
			274044	164.00	165.00	1.00	19.0	134.0	668.0

NORTHERN MINERAL EXPLORATION SERVICES

DIAMOND DRILL LOG

PROPERTY: Timmins
HOLE No.: **TT98-01**

FROM (meters)	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS WIDTH (meters)	Copper ppm	Lead ppm	Zinc ppm
		quartz veins containing 1/2-1% pyrite	274045	165.00	166.00	1.00	61.0	558.0	2149.0
		162.1m.A tight fault at 40° to the core axis	274046	166.00	167.00	1.00	53.0.	1100.0	3540.0
		162.15 - 168.0	274047	167.00	168.00	1.00	48.0	744.0	7670.0
		Trace-2% pyrite & 1-2% sphalerite in quartz	274048	168.00	169.00	1.00	176.0	550.0	5140.0
		filled fractures	274049	169.00	170.00	1.00	58.0.	78.0	14000.0
		168.0 - 172.3m.	274050	170.00	171.00	1.00	355.0.	46.0	7680.0
		Unit become a light grey with a corresponding	274101	171.00	172.00	1.00	11.0.	16.0	134.0
		increase in grain size, moderately fractured	274102	172.00	173.00	1.00	4420.0.	30.0	82.0
		with numerous irregular quartz veinlets.	274103	173.00	174.00	1.00	41.0	16.0	36.0
		172.5 - 173.6m.	274104	174.00	175.00	1.00	15.0.	16.0	58.0
		Well developed breccia texture, waxy grey colour,	274105	175.00	176.00	1.00	6.0.	12.0	68.0
		1-2% pyrite, trace chalcopyrite & trace sphalerite,	274106	176.00	177.00	1.00	23.0.	16.0	172.0
		172.9m.3 cm. wide quartz veinlet with pyrite &	274107	177.00	178.00	1.00	15.0.	2.0	94.0
		chalcopyrite at 45° to the core axis	274108	178.00	179.00	1.00	38.0.	2.0	158.0
		173.6 - 177.0m.	274109	179.00	180.00	1.00	35.0.	12.0	134.0
		Strongly fractured, blocky core, 1/2-2% disseminated	274110	180.00	181.00	1.00	140.0.	20.0	328.0
		pyrite throughout.	274111	181.00	182.00	1.00	208.0.	224.0	346.0
		177.0 - 195.42m.	274112	182.00	183.00	1.00	41.0	170.0	224.0
		Fine grained, weak to moderate carbonate along	274113	183.00	184.00	1.00	5.0.	2.0	126.0
		fractures and as mm scale blebs, weakly fractured	274114	184.00	185.00	1.00	23.0.	10.0	66.0
		with the majority of the sulphides along fractures	274115	185.00	186.00	1.00	22.0.	6.0	58.0
		averaging 2-3% pyrite, 1/2-1% sphalerite, a chaotic	274116	186.00	187.00	1.00	14.0.	2.0	52.0
		texture due to broken quartz veins.	274117	187.00	188.00	1.00	21.0.	6.0	54.0
			274118	188.00	189.00	1.00	38.0.	38.0	58.0
			274119	189.00	190.00	1.00	51.0.	<2	90.0
195.42	260.00	SILTSTONE (5S)	274120	197.00	198.00	1.00	40.0.	200.0	478.0
		Dark grey to black, moderately bedded, very fine grained,	274121	198.00	199.00	1.00	59.0	542.0	1360.0
		8-10% coarse grain aluminosilicate clots, tr-1/2% pyrite	274122	199.00	200.00	1.00	104.0	3270.0	8910.0
		198.0 - 204.5m.	274123	200.00	201.00	1.00	58.0	392.0	2960.0
		Blocky core, moderate pervasive & veinlet carbonate	274124	201.00	202.00	1.00	6.0	98.0	158.0
		alteration, tr pyrite & tr sphalerite along margins	274125	202.00	203.00	1.00	36.0	780.0	3150.0
		of boudinaged quartz veinlets.	274126	203.00	204.00	1.00	37.0	334.0	2960.0

NORTHERN MINERAL EXPLORATION SERVICES

DIAMOND DRILL LOG

PROPERTY: Timmins
HOLE No.: **TT98-01**

FROM (meters)	TO	LITHOLOGICAL DESCRIPTION
	197.9m.	A tight fault at 45° to the core axis
	198.5m.	A tight fault at 10° to the core axis
	204.5 - 230.0m.	
		Weakly fractured with mm scale chlorite veinlets at 45° to the core axis, numerous cm scale 5T beds, unit is locally brecciated with a quartz matrix,
	238.0m.	4 cm. fault gouge at 50° to the core axis
	240.0 - 242.0m.	
		Numerous tight faults plane
	244.0 - 257.5m.	
		Unit become medium grey, weakly silicified with a weakly developed breccia texture, 1-2% py, trace sphalerite in veinlets and fractures,
	246.5m.	A 2.5 cm. sphalerite, galena plus pyrite bearing quartz vein
	247.0m.	A 1 cm. fault gouge at 35° to the core axis
	249.0 - 249.5m.	
		Strongly developed breccia texture
	257.4m.	A 10 cm wide medium grained FELDSPAR PROPHYRY DYKE (8FP) with 2-3% very fine grained disseminated pyrite.
	257.5 - 260.0m.	
		Weakly fractured, minor aluminosilicate clots, tr-1/2% pyrite
	260.00	EOH

SAMPLE No.	FROM	TO	WIDTH (meters)	ASSAYS Copper ppm	Lead ppm	Zinc ppm
274127	204.00	205.00	1.00	70.0	216.0	948.0
274128	205.00	206.00	1.00	32.0	46.0	306.0
274129	206.00	207.00	1.00	47.0	140.0	890.0
274130	207.00	208.00	1.00	92.0	4550.0	6240.0
274131	208.00	209.00	1.00	38.0	456.0	1335.0
274132	209.00	210.00	1.00	43.0	588.0	2340.0
274133	210.00	211.00	1.00	47.0	118.0	296.0
274134	211.00	212.00	1.00	54.0	42.0	230.0
274135	212.00	213.00	1.00	97.0	414.0	1480.0
274136	213.00	214.00	1.00	42.0	118.0	546.0
274137	214.00	215.00	1.00	45.0	94.0	296.0
274138	215.00	216.00	1.00	43.0	190.0	364.0
274139	216.00	217.00	1.00	52.0	764.0	1900.0
274140	217.00	218.00	1.00	67.0	884.0	2530.0
274141	218.00	219.00	1.00	47.0	1360.0	5430.0
274142	219.00	220.00	1.00	48.0	732.0	3180.0
274143	220.00	221.00	1.00	54.0	452.0	1991.0
274144	221.00	222.00	1.00	38.0	548.0	1540.0
274145	222.00	223.00	1.00	46.0	484.0	2360.0
274146	223.00	224.00	1.00	36.0	532.0	662.0
274147	224.00	225.00	1.00	25.0	604.0	278.0
274148	225.00	226.00	1.00	43.0	48.0	94.0
274149	226.00	227.00	1.00	49.0	84.0	166.0
274150	232.00	233.00	1.00	55.0	630.0	742.0
274201	233.00	234.00	1.00	52.0	438.0	1310.0
274202	234.00	235.00	1.00	3.0	10.0	80.0
274203	235.00	236.00	1.00	11.0	2.0	72.0
274204	236.00	237.00	1.00	10.0	18.0	86.0
274205	237.00	238.00	1.00	31.0	190.0	220.0
274206	238.00	239.00	1.00	21.0	112.0	360.0
274207	239.00	240.00	1.00	35.0	168.0	628.0
274208	240.00	241.00	1.00	16.0	138.0	204.0
274209	241.00	242.00	1.00	5.0	100.0	122.0

NORTHERN MINERAL EXPLORATION SERVICES

DIAMOND DRILL LOG

PROPERTY: Timmins
HOLE No.: **TT98-01**

FROM (meters)	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	ASSAYS WIDTH (meters)	ASSAYS Copper ppm	Lead ppm	Zinc ppm
			274210	242.00	243.00	1.00	7.0	52.0	110.0
			274211	243.00	244.00	1.00	27.0	2630.0	502.0
			274212	244.00	245.00	1.00	15.0	86.0	424.0
			274213	245.00	246.00	1.00	43.0	382.0	1890.0
			274214	246.00	247.00	1.00	116.0	1670.0	3660.0
			274215	247.00	248.00	1.00	94.0	2460.0	3290.0
			274216	248.00	249.00	1.00	738.0	2500.0	450.0
			274217	249.00	250.00	1.00	116.0	92.0	218.0
			274218	250.00	251.00	1.00	72.0	442.0	912.0
			274219	251.00	252.00	1.00	33.0	38.0	308.0
			274220	252.00	253.00	1.00	38.0	158.0	934.0
			274221	253.00	254.00	1.00	49.0	102.0	404.0
			274222	256.50	257.50	1.00	42.0	32.0	128.0
			274223	257.50	258.50	1.00	54.0	38.0	158.0

NORTHERN MINERAL EXPLORATION SERVICES

DIAMOND DRILL LOG

Date: November. 22, 1998

PROPERTY: Timmins
HOLE No.: **T98-02**
Collar Eastings: 900.00
Collar Northings: 360.00
Collar Elevation: 300.00
Grid: Royal Oak

Collar Inclination: -50.00
Grid Bearing: 180.00
Final Depth: 212.00 metres
Drilled By: NDS Drilling
Claim No: 1193700

Logged by: Andrew Tims
Date Started: Nov. 19, 1998
Date Finished: Nov. 22, 1998
Down-hole Survey: Acid Test
Core Size: NQ
Core Storage: Aquarius Mine Site

Down-Hole Survey Data

Depth	Inclination	Bearing
44.00	-49.00	180.00
95.00	-47.00	180.00
145.00	-46.00	180.00
212.00	-45.00	180.00

FROM (meters)	TO	LITHOLOGICAL DESCRIPTION	SAMPLE	FROM	TO	WIDTH (meters)	ASSAYS Copper ppm	Lead ppm	Zinc ppm
0.00	40.20	OVERBURDEN (OVB)							
40.20	53.86	SILTSTONE WITH INTERBEDS OF TUFFACEOUS SEDIMENT (5S, (5T)) Dark grey to medium grey in colour, very fine grained with 10-15% coarse grain euhedral aluminosilicate porphyroblasts of staurolite and andalusite, the cm scale 5T interbeds are fine grained, light grey, with 5-10% fine grain anhedral feldspar. Locally irregular pale pink garnet is developed within quartz veinlets along the wallrock margins. Fractures possess mm scale sericitic bleaching and weak carbonate. trace pyrite. Foliation 70° at 42m							
53.86	65.69	SILTSTONE(5S) Similar to previous unit but finely bedded on the mm scale, black to dark grey in colour, very fine grained, 5-8% medium grained aluminosilicate clots Bedding is locally folded with numerous small fold noses intersected by drilling. 1-2% pyrite as stretched out blebs and as foliation parallel laminae	274224	58.00	59.00	1.00	61.0	8.0	244.0
65.69	92.86	SILTSTONE WITH INTERBEDS OF TUFFACEOUS SEDIMENT (5S, (5T)) Interbedded 5S and 5T as in previously described unit Foliation 65° at 62m 74.20 85.85 Irregular soft sedimentary?? 5T/5S contacts. 85.0m. Fine grained to medium grained green mafic dyklet. 87.70 88.60 Well developed fragmental texture.	274225	82.00	83.00	1.00	33.0	14.0	304.0

NORTHERN MINERAL EXPLORATION SERVICES

DIAMOND DRILL LOG

PROPERTY: Timmins
HOLE No.: **T98-02**

FROM (meters)	TO	LITHOLOGICAL DESCRIPTION	SAMPLE	FROM	TO	WIDTH (meters)	ASSAYS Copper ppm	Lead ppm	Zinc ppm
92.86	94.63	FELDSPAR PORPHYRY DYKE(8FP) Medium grained, medium grey with 30-40% subhedral to euhedral feldspar, silicified. Leading contact is broken, trailing contact is sharp at 75° to the core axis.							
94.63	124.50	TUFFACEOUS SEDIMENT WITH MINOR SILTSTONE (5T(5S)) Fine grained, weakly bedded, medium grey, numerous cm scale 5S interbeds with up to 15% fine grained to medium grained aluminosilicates. Trace pyrite 100.66 101.55 Fine grained mafic dyke, dark green with moderate carbonate alteration throughout as 1/4-1/2mm blebs possibly after feldspar, leading contact at 55° & trailing contact at 75° to the core axis. 104.2m. a 30 cm interval of blocky and breccia textured core, FAULT ZONE at 35° to the core axis 104.20 124.50 1-2% bleby and fracture fill pyrite, trace pyrrhotite, trace sphalerite and galena along fractures, trace chalcopyrite within quartz veinlets 117.8m. A 45 cm fault gouge at 15° to the core axis 118.5m. A tight fault at 50° to the core axis 121.5m. A tight fault at 50° to the core axis	274226	103.20	105.00	1.80	402.0	26.0	110.0
			274227	105.00	106.00	1.00	116.0	214.0	510.0
			274228	106.00	107.00	1.00	50.0	71.0	266.0
			274229	107.00	108.00	1.00	49.0	76.0	196.0
			274230	108.00	109.00	1.00	64.0	68.0	224.0
			274231	109.00	110.00	1.00	49.0	11.0	151.0
			274232	110.00	111.00	1.00	35.0	200.0	520.0
			274233	111.00	112.00	1.00	50.0	132.0	386.0
			274234	112.00	113.00	1.00	38.0	218.0	770.0
			274235	113.00	114.00	1.00	223.0	40.0	148.0
			274236	114.00	115.00	1.00	99.0	200.0	141.0
			274237	115.00	116.00	1.00	16.0	176.0	72.0
			274238	116.00	117.00	1.00	102.0	324.0	88.0
			274239	117.00	118.50	1.50	103.0	86.0	96.0
			274240	118.50	120.00	1.50	2.0	12.0	84.0
			274241	120.00	121.00	1.00	975.0	22.0	78.0
			274242	121.00	122.00	1.00	202.0	42.0	76.0
			274243	122.00	123.00	1.00	958.0	2580.0	1060.0
			274244	123.00	124.50	1.50	620.0	174.0	994.0
124.50	174.65	TUFFACEOUS SEDIMENT(5T) Mottled light to dark grey in colour, fine grained, 1-3% mafic volcanic lapilli, locally 3-4% medium grained subhedral feldspar averaging 2-3 mm in diameter, weakly fractured throughout	274245	127.70	129.00	1.30	1970.0	1020.0	1650.0
			274246	129.00	130.00	1.00	1955.0	138.0	1775.0
			274247	130.00	131.00	1.00	60.0	778.0	1575.0
			274248	131.00	132.00	1.00	64.0	910.0	1090.0

NORTHERN MINERAL EXPLORATION SERVICES

DIAMOND DRILL LOG

PROPERTY: Timmins
HOLE No.: **T98-02**

FROM (meters)	TO	LITHOLOGICAL DESCRIPTION	SAMPLE	FROM	TO	WIDTH (meters)	ASSAYS Copper ppm	Lead ppm	Zinc ppm
		with carbonate infilling.	274249	132.00	133.00	1.00	66.0	198.0	462.0
		127.70 133.0	274250	145.50	146.50	1.00	50.0	1326.0	1925.0
		numerous fractures parallel to the core axis with	274301	146.50	147.84	1.34	140.0	3260.0	2800.0
		chalcopyrite and sphalerite infill, average of	274302	154.50	155.50	1.00	48.0	142.0	281.0
		1-2 per meter	274303	155.50	156.50	1.00	118.0	2500.0	11300.0
		133.00 145.50	274304	156.50	158.00	1.50	108.0	814.0	3300.0
		A greater detrital content (5S) as evident by 10-	274305	167.00	168.00	1.00	1805.0	330.0	796.0
		15% medium grained sillimanite/andalusite clots.	274306	168.00	169.00	1.00	63.0	900.0	1130.0
		145.50 147.84	274307	169.00	170.25	1.25	119.0	282.0	258.0
		Moderately fractured, 1-2% pyrite, trace sphalerite							
		and galena on fractures,							
		147.2m. A tight fault at 25° to the core axis							
		154.2m. A quartz cemented fault at 20° to the core axis							
		154.50 158.00							
		Moderately fractured with numerous faults							
		156.0m. A tight fault at 25° to the core axis with trace to							
		1/2% pyrite, trace sphalerite and galena within the							
		quartz cemented fault gouge.							
		157.5m. A 1 cm fault gouge at 15° to the core axis							
		160.3m. A tight fault at 60° to the core axis							
		165.51 166.24							
		FELDSPAR PORPHYRY DYKE (8FP), medium grained with							
		5-8% subhedral to euhedral feldspar averaging 2 mm,							
		Trace very fine grained disseminated pyrite.							
		167.00 170.25							
		Weakly fractured with trace-1/2% sphalerite within							
		fractures.							
		167.5m. A 10 cm quartz vein along a fault at 45° to the core							
		axis.							
174.65	190.07	TUFF/LAPILLI TUFF (3T(3LT)	274308	178.00	179.00	1.00	63.0	10.0	72.0
		Dark grey-green, fine grained, composed of 30-40%	274309	179.35	181.00	1.65	38.0	34.0	94.0
		chloritic ash size fragments and 5-8%lapilli.	274310	181.00	182.00	1.00	45.0	26.0	134.0

NORTHERN MINERAL EXPLORATION SERVICES

DIAMOND DRILL LOG

PROPERTY: Timmins
HOLE No.: **T98-02**

FROM (meters)	TO	LITHOLOGICAL DESCRIPTION	SAMPLE	FROM	TO	WIDTH (meters)	ASSAYS Copper ppm	Lead ppm	Zinc ppm
		Well developed fragmental texture.	274311	182.00	183.00	1.00	156.0	182.0	332.0
		1/2-1% disseminated pyrite throughout, trace pyrrhotite	274312	183.00	184.00	1.00	83.0	22.0	103.0
		179.0m. A 35 cm dark green mafic dyke with leading contact broken and trailing contact at 35° to the core axis, non magnetic	274313	184.00	185.00	1.00	139.0	338.0	192.0
		179.35 190.07 The size and amount of lapilli increases to that of a lapilli tuff, 1-2% fracture fill and disseminated pyrite.							
		185.15m A 6 cm quartz cemented fault at 40° to the core axis with 3% pyrite, trace sphalerite, chalcopyrite and galena.							
190.07	192.22	FELDSPAR PORPHYRY DYKE (8FP) Medium grained, 15-20% subhedral to anhedral beige to pink feldspar, cut by 1/2-1 cm wide quartz veins with trace pyrite. Trace-1/2% very fine grained pyrite throughout							
192.22	212.00	TUFF/LAPILLI TUFF (3T(3LT) Dark grey-green, fine grained, composed of 30-40% chloritic ash size fragments and 5-8%lapilli. Well developed fragmental texture. 1/2-1% disseminated pyrite throughout, trace pyrrhotite							
		198.5 200.3 Blocky core, locally seritic bleaching along fractures, 1/2-1% disseminated pyrite							
		203.1m. A tight fault at 5° to the core axis.							
		207.5 212.00 2-3% medium grained subhedral feldspar throughout. cm scale sericite banding about 2-4 mm quartz veins and fractures							
		212.00 EOH							

NORTHERN MINERAL EXPLORATION SERVICES

DIAMOND DRILL LOG

Date: November. 24, 1998

PROPERTY: Timmins
HOLE No.: **TT98-03**
Collar Eastings: 290.00W
Collar Northings: 2175.00S
Collar Elevation: 300.00
Grid: ICA

Collar Inclination: -50.00
Grid Bearing: 270
Final Depth: 158.00 metres
Drilled By: NDS Drilling
Claim No: 1207303

Logged by: Andrew Tims
Date Started: Nov. 22, 1998
Date Finished: Nov. 24, 1998
Down-hole Survey: Acid
Core Size: NQ

DOWN-HOLE SURVEY DATA

Depth	Inclination	Bearing
107.00	-50.00	270
158.00	-47.00	270

Core Storage: Aquarius Mine

FROM (meters)	TO	LITHOLOGICAL DESCRIPTION
94.00	158.00	INTERMEDIATE TO FELSIC TUFF TO LAPILLI TUFF (4P) Light grey-green, moderate to strongly foliated. Overall a well developed fragmental with 2-3% angular to sub-angular sericite/hematite altered lapilli with relic feldspar set in a fine grained chloritic matrix. Foliation 45° at 100m Hematite staining occurs along fractures and accompanying mm scale sericite haloes about quartz veins. Trace carbonate along fractures Trace-1/2% disseminated pyrite 95.0m. 40 cm medium grained magnetic diorite dyke (boulder??) 97.4m. 30 cm sand seam 97.8 101.0 Very blocky core 105.5 112.3 Weak to moderately magnetic with visible magnetite grains at 107.7m., fragmental texture coarsens with Numerous hematite filled fractures. 1-2 mm wide quartz veinlet at 45° to the core axis possesses 1-2 cm haloes of 2-3% fine grained pyrite. 112.3 126.5 Quartz content of matrix averages 2-3% as angular to angular fragments with a 3:1 stretching ratio, trace to 1/2% disseminated pyrite with local maximums of 1%, 5-15 cm Alteration haloes about quartz veins and fractures 116.75m. A tight fault at 40° to the core axis, a weakly developed breccia texture throughout 117.2m. A 15 cm quartz vein with 1/2-1% pyrite Foliation 45° at 119.1m

SAMPLE	FROM	TO	WIDTH (meters)	ASSAYS Au_av (ppm)
274314	107.00	108.00	1.00	<5
274315	113.00	114.00	1.00	<5
274316	116.00	117.50	1.50	<5
274317	124.00	125.50	1.50	<5
274318	133.00	134.00	1.00	<5
274319	135.90	137.00	1.10	<5
274320	137.00	138.00	1.00	<5
274321	142.25	143.50	1.25	<5
274322	150.00	151.00	1.00	<5
274323	151.00	152.25	1.25	<5

NORTHERN MINERAL EXPLORATION SERVICES

DIAMOND DRILL LOG

PROPERTY: Timmins
HOLE No.: **TT98-03**

FROM (meters)	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH (meters)	ASSAYS Au_av
		126.5 143.50 Unit becomes a mottled green to beige-red colour due to an increase in sericite and hematite alteration of the matrix about fractures. 141.1m. A 2 cm fault gouge at 28° to the core axis 141.3m. A tight fault at 45° to the core axis. The foliation between the to faults is parallel to the core axis. 141.39m. A 4 cm fault gouge at 35° to the core axis. 143.5 145.5 Homogeneous, medium green, fine grained fragmental matrix with 3-4% feldspar phyric lapilli, trace to 1/2% pyrite. 145.5 158.0 Similar but is weakly magnetic 158.00 EOH					

NORTHERN MINERAL EXPLORATION SERVICES

DIAMOND DRILL LOG

Date: November. 26, 1998

PROPERTY: Timmins
HOLE No.: **TT98-04**
Collar Eastings: 800.00
Collar Northings: -150.00
Collar Elevation: 300.00
Grid: ICA

Collar Inclination: -50.00
Grid Bearing: 180.00
Final Depth: 164.00 metres
Drilled By: NDS Drilling
Claim No: 1206912

Logged by: Andrew Tims
Date Started: Nov. 24, 1998
Date Finished: Nov. 26, 1998
Down-hole Survey: Acid
Core Size: NQ

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARING
47.00	-50.00	180.00
98.00	-49.00	181.00
164.00	-48.00	182.00

Core Storage: Aquarius Mine Site

FROM (meters)	TO	LITHOLOGICAL DESCRIPTION	FROM	TO	WIDTH (meters)
0.0	43.30	Overburden (Ovb)			
43.30	47.52	Mafic Tuff (3T) Dark grey-green, fine grained, weakly foliated. Moderately fractured, trace 1-2mm feldspar, trace mafic lapilli, trace pyrite Foliation 45° at 45m. 46.70 47.0 Moderately silicified, the foliation varies - chaotic 1-2% medium grained disseminated pyrite	0.00	0.00	0.00
47.52	158.00	Matachewan Diabase (9) Medium grained to coarse grained, dark grey to black in colour, moderately magnetic, massive, weakly fractured Leading contact at 60° to the core axis 47.52 52.0 A fine grained chill margin 108.9 109.2 0 Hematite and epidote alteration along fractures with soft blue-purple fluorite within the fracture 158.00 EOH			

NORTHERN MINERAL EXPLORATION SERVICES

DIAMOND DRILL LOG

Date: November. 27, 1998

PROPERTY: Timmins
HOLE No.: **TT98-05**
Collar Eastings: 225.00
Collar Northings: 75.00
Collar Elevation: 300.00
Grid: ICA

Collar Inclination: -50°
Grid Bearing: 180.00
Final Depth: 143.00 metres
Drilled By: NDS Drilling
Claim No: 1206912

Logged by: Andrew Tims
Date Started: Nov. 26, 1998
Date Finished: Nov. 27, 1998
Down-hole Survey: Acid
Core Size: NQ

DOWN-HOLE SURVEY DATA

DEPTH	INCLINATION	BEARIN
62.00	-47.00	180.00
113.00	-47.00	181.00
143.00	-47.00	182.00

Core Storage: Aquarius Mine Site

FROM (meters)	TO	LITHOLOGICAL DESCRIPTION
0.0	54.95	Overburden (Ovb)
54.95	115.20	Mafic Tuff (3T) Dark grey-green , fine grained, moderately foliated .at 32° to the core axis 1-15% black-dark green chloritic shards averaging 2x4 mm Trace-1% subrounded granitic to mafic lapilli. Moderately fractured with centimetre scale epidote alteration haloes Quartz/feldspar vienlets are common, averaging 1-2 per meter at 30° to the core axis 61.55 m. A 2 centimetre fault gouge with a 1 centimetre epidote alteration selvage at 35° to the core axis. 72.5 73.5 Moderate to strongly fractured with moderate sericite/epidote alteration of the matrix. 80.5 88.96 Numerous quartz/kspar veinlets at 30° to the core axis with epidote alteration within and about veinlets. Epidote occurs as millimetre scale patches - altered lapilli??- 88.96 96.28 Similar alteration but pyrite occurs throughout as 1/2-1% disseminations within the matrix and along fractures. A 33 centimetre magnetic, very fine grained Diabase dyklet at 95.06m. 96.28 99.50 Numerous, 3-4 per metre, quartz/epidote/kspar veinlets. 98.4m. A 10 cm medium grained granitic dyke. at 35°. 99.50 104.39 Epidote/Ksapr alteration along fractures, average of

SAMPLE	FROM	TO	WIDTH (meters)	Au_av
274324	91.00	92.00	1.00	<5
274325	92.00	93.00	1.00	<5
274326	93.00	94.00	1.00	<5
274327	94.00	95.00	1.00	<5
274328	97.00	98.00	1.00	<5
274329	98.00	99.00	1.00	<5
274330	103.50	104.50	1.00	<5
274331	112.00	113.00	1.00	<5
274332	113.00	114.00	1.00	<5
274333	114.00	115.20	1.20	<5

NORTHERN MINERAL EXPLORATION SERVICES

DIAMOND DRILL LOG

PROPERTY: Timmins
HOLE No.: **T98-05**

FROM	TO	LITHOLOGICAL DESCRIPTION	SAMPLE No.	FROM	TO	WIDTH	ASSAYS Au_av
		1-2 per metre 101.95m. A 72 centimetre Diabase dyke 104.39 114.0 The matrix becomes increasingly sericitic accompanied by epidote producing a light grey colour. The foliation becomes irregular at 10-20° to the core axis. 114.0 114.9 Strongly silicified, vuggy					
115.2	143.0	Matachewan Diabase (9) Fine grained to medium grained, dark grey to black in colour, moderately magnetic, massive, weakly fractured with trace disseminated pyrite Leading contact at 35° to the core axis A fine grained chill margin 158.00 EOH					

APPENDIX 2 – Gold Assay and ICP Analysis Certificates

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

5175 Timberlea Blvd., Mississauga
Ontario, Canada L4W 2S3
PHONE: 905-624-2806 FAX: 905-624-6163

To: INTERNATIONAL CANALASKA RESOURCES LTD.

MEZZANINE FLOOR, 626 W. PENDER ST.
VANCOUVER, BC
V6B 1V9

Project : TIMMINS
Comments: ATTN: LINDSAY BOTTOMER CC: ANDREW TIMS

Page Number : 1-A
Total Pages : 1
Certificate Date: 08-DEC-
Invoice No. : I983750
P.O. Number :
Account : OEY

CERTIFICATE OF ANALYSIS A9837508

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
274006	205	226	-----	< 0.2	2.35	2	20	< 0.5	< 2	1.95	< 0.5	29	198	43	3.36	10	< 1	0.12	10	1.36	385
274007	205	226	-----	< 0.2	1.97	6	30	< 0.5	2	2.13	< 0.5	28	182	58	3.39	< 10	< 1	0.15	10	1.26	395
274008	205	226	-----	< 0.2	1.83	6	50	< 0.5	< 2	1.77	< 0.5	28	156	75	3.30	< 10	< 1	0.19	10	1.03	355
274009	205	226	-----	< 0.2	2.29	2	30	< 0.5	< 2	2.20	< 0.5	28	198	52	3.45	10	< 1	0.11	10	1.42	430
274010	205	226	-----	< 0.2	3.60	< 2	20	< 0.5	< 2	3.40	< 0.5	29	228	39	4.01	10	< 1	0.10	10	1.79	555
274011	205	226	-----	< 0.2	3.63	< 2	10	< 0.5	< 2	4.33	< 0.5	24	247	17	3.81	10	< 1	0.06	10	1.84	565
274012	205	226	-----	< 0.2	1.92	4	120	< 0.5	< 2	0.74	< 0.5	27	96	51	3.41	< 10	< 1	0.29	10	1.11	290
274013	205	226	-----	< 0.2	2.28	8	30	< 0.5	< 2	1.40	< 0.5	29	168	92	3.47	< 10	< 1	0.18	10	1.28	410
274014	205	226	-----	< 0.2	2.31	6	40	< 0.5	< 2	1.08	< 0.5	25	135	41	3.25	< 10	< 1	0.25	10	1.23	350
274015	205	226	-----	0.2	2.52	2	10	< 0.5	< 2	1.51	< 0.5	38	199	61	4.37	10	< 1	0.11	10	1.82	590
274016	205	226	-----	< 0.2	2.17	2	30	< 0.5	2	1.25	< 0.5	22	118	43	3.18	< 10	1	0.15	10	1.30	450
274017	205	226	-----	< 0.2	2.29	4	30	< 0.5	< 2	0.39	< 0.5	25	89	46	3.59	< 10	< 1	0.15	10	1.19	495
274018	205	226	-----	< 0.2	2.24	2	10	< 0.5	< 2	1.12	< 0.5	18	110	81	3.48	10	< 1	0.09	10	1.19	515
274019	205	226	-----	< 0.2	2.58	16	30	< 0.5	< 2	0.47	< 0.5	33	101	41	4.03	< 10	< 1	0.21	10	1.24	545
274020	205	226	-----	0.2	2.48	6	30	< 0.5	< 2	0.41	7.0	28	85	60	3.42	10	< 1	0.21	10	1.27	490
274021	205	226	-----	0.4	2.88	8	30	< 0.5	< 2	0.64	8.5	21	87	69	3.36	10	< 1	0.19	10	1.38	540
274022	205	226	-----	0.2	2.48	8	30	< 0.5	< 2	0.39	4.5	25	90	55	3.47	10	< 1	0.15	10	1.24	535
274023	205	226	-----	0.2	2.45	8	30	< 0.5	< 2	0.37	11.5	27	82	95	3.34	< 10	< 1	0.19	10	1.22	515
274024	205	226	-----	< 0.2	2.21	8	30	< 0.5	< 2	1.10	< 0.5	17	106	44	2.89	< 10	< 1	0.15	10	1.13	495
274025	205	226	-----	< 0.2	2.06	6	30	< 0.5	< 2	2.39	< 0.5	16	65	33	2.53	< 10	< 1	0.23	30	0.99	370
274324	205	226	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
274325	205	226	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
274326	205	226	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
274327	205	226	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
274328	205	226	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
274329	205	226	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
274330	205	226	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
274331	205	226	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
274332	205	226	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
274333	205	226	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

CERTIFICATION: _____

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
5175 Timberlea Blvd., Mississauga
Ontario, Canada L4W 2S3
PHONE: 905-624-2806 FAX: 905-624-6163

To: INTERNATIONAL CANALASKA RESOURCES LTD.

MEZZANINE FLOOR, 626 W. PENDER ST.
VANCOUVER, BC
V6B 1V9

Project : TIMMINS
Comments: ATTN: LINDSAY BOTTOMER CC: ANDREW TIMS

Page Number : 1-B
Total Pages : 1
Certificate Date: 08-DEC-19
Invoice No. : I9837508
P.O. Number :
Account : OEY

CERTIFICATE OF ANALYSIS A9837508

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
274006	205	226	1	0.09	136	1140	6	< 2	6	22	0.20	< 10	< 10	72	< 10	74
274007	205	226	1	0.06	128	1060	2	2	6	28	0.25	< 10	< 10	68	< 10	64
274008	205	226	1	0.09	132	1120	2	< 2	6	27	0.26	< 10	< 10	57	< 10	54
274009	205	226	2	0.09	138	1090	2	< 2	6	23	0.23	< 10	< 10	75	< 10	70
274010	205	226	1	0.04	136	1080	4	< 2	6	20	0.24	< 10	< 10	85	< 10	186
274011	205	226	1	0.04	122	940	2	< 2	6	18	0.19	< 10	< 10	90	< 10	248
274012	205	226	3	0.05	80	450	4	< 2	7	14	0.16	< 10	< 10	73	< 10	92
274013	205	226	< 1	0.10	132	970	2	< 2	6	24	0.15	< 10	< 10	74	< 10	88
274014	205	226	< 1	0.08	105	690	4	< 2	6	21	0.14	< 10	< 10	67	< 10	88
274015	205	226	1	0.08	179	1260	94	< 2	10	21	0.17	< 10	< 10	104	< 10	184
274016	205	226	1	0.06	71	530	16	< 2	6	17	0.10	< 10	< 10	59	< 10	136
274017	205	226	1	0.05	74	410	2	< 2	6	10	0.08	< 10	< 10	71	< 10	120
274018	205	226	1	0.07	76	380	2	< 2	10	9	0.12	< 10	< 10	90	< 10	92
274019	205	226	9	0.05	76	450	< 2	< 2	8	12	0.14	< 10	< 10	74	< 10	88
274020	205	226	3	0.05	70	410	672	< 2	6	11	0.13	< 10	< 10	66	< 10	2360
274021	205	226	2	0.04	67	410	1250	< 2	6	20	0.12	< 10	< 10	66	< 10	2870
274022	205	226	1	0.05	70	400	618	< 2	7	14	0.10	< 10	< 10	71	< 10	1530
274023	205	226	1	0.06	59	400	1110	< 2	5	13	0.11	< 10	< 10	59	< 10	4280
274024	205	226	2	0.06	58	390	4	< 2	6	25	0.13	< 10	< 10	61	50	112
274025	205	226	1	0.04	48	350	16	< 2	3	18	0.08	< 10	< 10	31	< 10	100
274324	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
274325	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
274326	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
274327	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
274328	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
274329	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
274330	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
274331	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
274332	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
274333	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

CERTIFICATION: Ian Fuller

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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To: INTERNATIONAL CANALASKA RESOURCES LTD.

MEZZANINE FLOOR, 626 W. PENDER ST.
VANCOUVER, BC
V6B 1V9

Project : TIMMINS
Comments: ATTN: LINDSAY BOTTOMER CC: ANDREW TIMS

Page Number :1-A
Total Pages :1
Certificate Date: 28-NOV-19
Invoice No. : I9836842
P.O. Number :
Account :OEY

CERTIFICATE OF ANALYSIS A9836842

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
274026	205	226	< 5	< 0.2	2.13	< 2	30	< 0.5	< 2	0.54	< 0.5	19	105	49	3.27	< 10	< 1	0.16	10	1.12	495
274027	205	226	< 5	0.2	2.34	< 2	30	< 0.5	< 2	1.39	3.0	17	91	66	2.95	< 10	< 1	0.18	10	1.45	480
274028	205	226	< 5	< 0.2	2.82	< 2	30	< 0.5	< 2	0.37	3.5	15	94	54	3.38	< 10	< 1	0.21	10	2.14	475
274029	205	226	< 5	0.2	2.78	< 2	40	< 0.5	< 2	0.40	4.0	18	122	42	3.62	< 10	< 1	0.27	10	1.69	500
274030	205	226	< 5	0.2	2.42	< 2	30	< 0.5	< 2	0.31	6.0	17	81	49	3.22	< 10	< 1	0.21	< 10	1.48	420
274031	205	226	< 5	< 0.2	2.69	< 2	30	< 0.5	< 2	0.27	< 0.5	9	77	3	3.51	< 10	< 1	0.18	< 10	2.01	400
274032	205	226	< 5	0.4	2.67	< 2	30	< 0.5	6	0.36	10.0	15	147	65	3.37	< 10	< 1	0.14	10	2.45	400
274033	205	226	< 5	< 0.2	3.33	< 2	10	< 0.5	< 2	0.27	0.5	13	87	18	4.00	< 10	< 1	0.07	10	3.45	525
274034	205	226	< 5	< 0.2	2.34	2	20	< 0.5	< 2	0.31	4.5	14	107	42	3.12	< 10	< 1	0.12	10	1.70	485
274035	205	226	< 5	< 0.2	2.32	< 2	40	< 0.5	< 2	0.30	4.5	17	88	58	3.06	< 10	< 1	0.20	10	1.54	475
274036	205	226	< 5	0.2	2.48	< 2	60	< 0.5	< 2	0.39	4.0	18	103	47	3.01	< 10	< 1	0.27	10	1.69	395
274037	205	226	< 5	< 0.2	2.33	< 2	40	< 0.5	< 2	0.37	5.0	15	93	41	2.96	< 10	< 1	0.22	10	1.43	490
274038	205	226	< 5	< 0.2	2.84	4	30	< 0.5	< 2	0.42	< 0.5	18	115	21	3.57	10	< 1	0.16	70	2.19	630
274039	205	226	< 5	< 0.2	2.20	8	10	< 0.5	< 2	0.28	0.5	24	114	16	3.33	< 10	< 1	0.09	10	1.48	585
274040	205	226	< 5	< 0.2	2.36	2	20	< 0.5	< 2	0.27	< 0.5	14	85	26	3.25	< 10	< 1	0.14	< 10	1.70	495
274041	205	226	< 5	< 0.2	2.51	< 2	20	< 0.5	< 2	0.33	< 0.5	13	100	5	3.28	< 10	< 1	0.12	10	1.82	415
274042	205	226	< 5	< 0.2	2.45	2	30	< 0.5	< 2	0.28	< 0.5	17	85	11	3.34	< 10	< 1	0.18	< 10	1.60	410
274043	205	226	< 5	< 0.2	2.43	6	30	< 0.5	< 2	0.25	1.0	21	65	54	3.31	< 10	< 1	0.21	10	1.48	415
274044	205	226	< 5	0.2	2.45	2	30	< 0.5	2	0.25	1.5	15	67	19	3.22	< 10	< 1	0.20	< 10	1.57	415

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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To: INTERNATIONAL CANALASKA RESOURCES LTD.

MEZZANINE FLOOR, 626 W. PENDER ST.
VANCOUVER, BC
V6B 1V9

Project : TIMMINS
Comments: ATTN: LINDSAY BOTTOMER CC: ANDREW TIMS

Page Number : 1-B
Total Pages : 1
Certificate Date: 28-NOV-19
Invoice No. : I9836842
P.O. Number :
Account : OEY

CERTIFICATE OF ANALYSIS A9836842

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
274026	205	226	1	0.06	69	420	16	< 2	6	22	0.08	< 10	< 10	65	< 10	134
274027	205	226	1	0.06	58	360	122	< 2	6	25	0.10	< 10	< 10	58	< 10	1005
274028	205	226	1	0.06	85	370	414	< 2	7	23	0.13	< 10	< 10	62	< 10	1365
274029	205	226	< 1	0.09	66	420	420	< 2	7	27	0.15	< 10	< 10	73	< 10	1510
274030	205	226	< 1	0.05	65	390	698	< 2	4	18	0.08	< 10	< 10	55	< 10	1945
274031	205	226	< 1	0.05	57	400	26	< 2	5	9	0.09	< 10	< 10	57	< 10	154
274032	205	226	1	0.06	74	600	816	< 2	7	20	0.11	< 10	< 10	78	< 10	3890
274033	205	226	2	0.07	127	330	44	< 2	10	15	0.09	< 10	< 10	83	< 10	408
274034	205	226	< 1	0.07	52	390	142	< 2	6	16	0.09	< 10	< 10	61	< 10	1935
274035	205	226	< 1	0.06	53	380	262	< 2	5	12	0.10	< 10	< 10	55	< 10	1870
274036	205	226	< 1	0.06	70	510	362	< 2	6	18	0.12	< 10	< 10	59	< 10	1555
274037	205	226	1	0.08	55	370	398	< 2	6	19	0.13	< 10	< 10	59	< 10	2070
274038	205	226	< 1	0.11	84	400	40	< 2	9	22	0.15	< 10	< 10	77	< 10	248
274039	205	226	< 1	0.09	50	380	28	< 2	8	12	0.11	< 10	< 10	73	< 10	340
274040	205	226	1	0.06	58	360	24	< 2	6	10	0.12	< 10	< 10	68	< 10	108
274041	205	226	2	0.07	61	330	44	< 2	7	8	0.15	< 10	< 10	69	< 10	98
274042	205	226	< 1	0.07	49	350	22	< 2	6	13	0.12	< 10	< 10	69	< 10	92
274043	205	226	< 1	0.05	70	380	148	< 2	4	12	0.09	< 10	< 10	50	< 10	568
274044	205	226	1	0.05	59	370	134	< 2	4	10	0.11	< 10	< 10	51	< 10	668

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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To: INTERNATIONAL CANALASKA RESOURCES LTD. *

MEZZANINE FLOOR, 626 W. PENDER ST.
VANCOUVER, BC
V6B 1V9

Project : TIMMINS
Comments: ATTN: LINDSAY BOTTOMER CC: ANDREW TIMMS

Page Number : 1-A
Total Pages : 1
Certificate Date: 03-DEC-19
Invoice No. : I9836991
P.O. Number :
Account : OEY

CERTIFICATE OF ANALYSIS A9836991

SAMPLE	PREP CODE	Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
274045	205 226	< 5	0.2	2.60	< 2	30	< 0.5	< 2	0.26	7.5	24	80	61	3.63	< 10	< 1	0.19	10	1.58	500
274046	205 226	< 5	0.4	2.36	< 2	60	< 0.5	< 2	0.35	8.0	18	99	53	3.19	< 10	< 1	0.19	20	1.71	435
274047	205 226	< 5	0.2	2.91	< 2	40	< 0.5	< 2	0.34	17.0	21	126	48	3.63	< 10	< 1	0.21	10	2.03	500
274048	205 226	< 5	0.4	2.48	< 2	40	< 0.5	< 2	0.53	11.0	16	65	176	3.33	< 10	< 1	0.12	70	2.22	395
274049	205 226	< 5	0.2	2.07	< 2	10	< 0.5	< 2	0.68	36.5	18	41	58	2.43	< 10	< 1	0.05	30	2.23	315
274050	205 226	< 5	0.6	2.37	< 2	10	< 0.5	< 2	0.61	18.5	22	31	355	3.17	< 10	< 1	0.02	30	2.72	350
274101	205 226	< 5	0.2	2.12	2	20	< 0.5	< 2	0.50	< 0.5	15	66	11	2.88	< 10	< 1	0.07	20	2.17	335
274102	205 226	< 5	3.6	1.86	< 2	10	< 0.5	< 2	0.52	< 0.5	23	74	4420	3.10	< 10	< 1	0.03	50	2.00	290
274103	205 226	< 5	0.4	1.46	22	< 10	< 0.5	< 2	0.55	< 0.5	76	70	41	5.21	< 10	< 1	0.01	30	1.70	230
274104	205 226	< 5	< 0.2	2.18	4	10	< 0.5	< 2	0.68	< 0.5	28	41	15	4.78	< 10	< 1	0.05	40	2.59	355
274105	205 226	< 5	0.2	3.06	2	10	0.5	< 2	0.69	< 0.5	29	27	6	5.35	< 10	< 1	0.05	20	3.66	530
274106	205 226	< 5	< 0.2	4.24	< 2	< 10	1.0	< 2	0.86	< 0.5	50	22	23	7.33	10	< 1	< 0.01	< 10	5.05	775
274107	205 226	< 5	< 0.2	3.67	6	< 10	0.5	< 2	1.32	< 0.5	56	22	15	6.94	10	< 1	< 0.01	< 10	4.35	710
274108	205 226	< 5	0.2	4.03	6	< 10	0.5	2	1.13	< 0.5	68	25	38	7.37	10	< 1	< 0.01	< 10	4.82	745
274109	205 226	15	< 0.2	3.78	4	< 10	0.5	2	1.72	< 0.5	61	34	35	7.13	10	< 1	< 0.01	< 10	4.50	715
274110	205 226	< 5	< 0.2	4.22	10	< 10	1.0	2	0.93	0.5	66	25	140	8.09	10	< 1	< 0.01	10	5.09	790
274111	205 226	< 5	0.2	4.76	< 2	< 10	1.5	2	1.08	< 0.5	37	24	208	8.32	10	< 1	< 0.01	10	5.74	880
274112	205 226	< 5	< 0.2	4.44	4	< 10	1.5	2	0.99	< 0.5	39	24	41	7.87	10	< 1	0.01	< 10	5.49	825
274113	205 226	< 5	< 0.2	4.49	4	< 10	1.0	2	0.71	< 0.5	46	32	5	8.36	10	< 1	0.03	< 10	5.21	790
274114	205 226	< 5	< 0.2	2.79	< 2	10	< 0.5	< 2	0.43	< 0.5	20	85	23	4.40	< 10	< 1	0.13	< 10	2.45	505
274115	205 226	< 5	< 0.2	2.70	2	10	< 0.5	< 2	0.37	< 0.5	16	120	22	4.19	< 10	< 1	0.11	< 10	2.11	475
274116	205 226	< 5	< 0.2	2.63	< 2	10	< 0.5	< 2	0.35	< 0.5	17	113	14	4.04	< 10	< 1	0.12	< 10	2.11	415
274117	205 226	< 5	< 0.2	2.85	< 2	20	0.5	< 2	0.92	< 0.5	19	63	21	3.46	< 10	< 1	0.14	20	2.20	400
274118	205 226	< 5	< 0.2	2.12	< 2	40	< 0.5	< 2	1.44	< 0.5	18	41	38	2.89	< 10	< 1	0.18	40	1.20	340
274119	205 226	< 5	< 0.2	2.33	< 2	40	< 0.5	< 2	0.81	< 0.5	22	66	51	3.62	< 10	< 1	0.19	10	1.27	400
274120	205 226	< 5	< 0.2	2.42	8	40	< 0.5	< 2	0.29	1.0	19	80	40	3.35	< 10	< 1	0.22	10	1.31	445

CERTIFICATION:

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To: INTERNATIONAL CANALASKA RESOURCES LTD.

MEZZANINE FLOOR, 626 W. PENDER ST.
VANCOUVER, BC
V6B 1V9

Project : TIMMINS
Comments: ATTN: LINDSAY BOTTOMER CC: ANDREW TIMMS

CERTIFICATE OF ANALYSIS A9836991

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
274045	205	226	2	0.04	70	400	558	< 2	4	11	0.09	< 10	< 10	46	< 10	3180
274046	205	226	1	0.05	53	570	1100	< 2	6	22	0.13	< 10	< 10	56	< 10	3540
274047	205	226	1	0.05	84	420	744	< 2	6	19	0.12	< 10	< 10	57	< 10	7670
274048	205	226	5	0.08	43	1170	550	< 2	8	22	0.17	< 10	< 10	84	< 10	5140
274049	205	226	5	0.11	33	1720	78	< 2	6	30	0.19	< 10	< 10	86	< 10	>10000
274050	205	226	6	0.09	36	1510	46	< 2	6	29	0.17	< 10	< 10	96	< 10	7680
274101	205	226	25	0.09	39	1160	16	< 2	8	21	0.16	< 10	< 10	111	< 10	134
274102	205	226	3	0.07	57	1180	30	< 2	5	22	0.15	< 10	< 10	50	< 10	82
274103	205	226	2	0.08	60	1010	16	< 2	6	16	0.19	< 10	< 10	61	< 10	36
274104	205	226	1	0.07	33	1440	16	< 2	8	32	0.25	< 10	< 10	83	< 10	58
274105	205	226	1	0.03	30	1400	12	< 2	10	32	0.26	< 10	< 10	89	< 10	68
274106	205	226	1	< 0.01	51	580	16	< 2	33	22	0.56	< 10	< 10	275	< 10	172
274107	205	226	2	< 0.01	54	550	2	< 2	31	22	0.54	< 10	< 10	252	< 10	94
274108	205	226	1	< 0.01	56	570	2	< 2	35	20	0.58	< 10	< 10	276	< 10	158
274109	205	226	2	< 0.01	74	520	12	< 2	28	20	0.54	< 10	< 10	264	< 10	134
274110	205	226	2	< 0.01	40	550	20	< 2	34	21	0.56	< 10	< 10	282	< 10	328
274111	205	226	3	< 0.01	35	590	224	< 2	37	23	0.60	< 10	< 10	296	< 10	346
274112	205	226	3	< 0.01	50	570	170	< 2	35	21	0.53	< 10	< 10	280	< 10	224
274113	205	226	2	0.01	52	580	2	< 2	30	21	0.46	< 10	< 10	287	< 10	126
274114	205	226	3	0.04	69	360	10	< 2	14	16	0.21	< 10	< 10	114	< 10	66
274115	205	226	2	0.07	70	400	6	< 2	12	20	0.16	< 10	< 10	95	< 10	58
274116	205	226	6	0.06	64	400	2	< 2	11	20	0.15	< 10	< 10	86	< 10	52
274117	205	226	5	0.05	63	600	6	< 2	8	28	0.16	< 10	< 10	75	< 10	54
274118	205	226	3	0.06	43	1040	38	< 2	4	66	0.18	< 10	< 10	44	< 10	158
274119	205	226	2	0.04	69	390	< 2	< 2	5	21	0.12	< 10	< 10	49	< 10	90
274120	205	226	2	0.04	56	400	200	< 2	5	15	0.11	< 10	< 10	61	< 10	478

CERTIFICATION: Antoine Vinh

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

5175 Timberlea Blvd., Mississauga
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PHONE: 905-624-2806 FAX: 905-624-6163

To: INTERNATIONAL CANALASKA RESOURCES LTD.

MEZZANINE FLOOR, 626 W. PENDER ST.
VANCOUVER, BC
V6B 1V9

Project : TIMMINS
Comments: ATTN: LINDSAY BOTTOMER CC: ANDREW TIMS

Certificate Date: 08-DEC-19
Invoice No. :19837326
P.O. Number :
Account :OEY

CERTIFICATE OF ANALYSIS A9837326

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
274121	205	226	0.2	2.62	18	40	< 0.5	< 2	0.50	4.5	25	90	59	3.31	< 10	< 1	0.28	< 10	1.43	390	2
274122	205	226	0.6	2.36	10	50	< 0.5	< 2	0.39	29.0	29	81	104	2.92	< 10	< 1	0.27	< 10	1.27	330	1
274123	205	226	0.2	3.08	8	40	< 0.5	< 2	0.27	8.5	19	85	58	3.69	< 10	< 1	0.24	< 10	2.10	445	2
274124	205	226	< 0.2	3.58	2	40	< 0.5	< 2	0.25	< 0.5	14	63	6	4.03	< 10	< 1	0.26	< 10	2.75	500	4
274125	205	226	0.2	2.20	18	40	< 0.5	< 2	0.23	9.0	22	77	36	2.69	< 10	< 1	0.21	10	1.37	310	2
274126	205	226	0.2	2.83	2	40	< 0.5	< 2	0.32	8.0	20	78	37	3.44	< 10	< 1	0.27	< 10	1.81	370	6
274127	205	226	0.2	2.29	2	40	< 0.5	< 2	0.24	3.0	24	72	70	3.10	< 10	< 1	0.23	< 10	1.32	340	3
274128	205	226	< 0.2	2.23	2	30	< 0.5	2	0.32	0.5	24	78	32	3.16	< 10	< 1	0.15	10	1.27	350	2
274129	205	226	< 0.2	2.30	2	30	< 0.5	< 2	0.27	3.5	26	82	47	3.32	< 10	< 1	0.16	10	1.54	335	10
274130	205	226	0.8	4.68	46	20	< 0.5	< 2	0.36	26.0	50	652	92	5.48	10	< 1	0.09	10	4.60	665	4
274131	205	226	0.2	2.29	< 2	50	< 0.5	< 2	0.32	5.0	29	80	38	3.16	< 10	< 1	0.22	10	1.32	320	4
274132	205	226	0.2	2.26	< 2	30	< 0.5	< 2	0.22	8.5	26	87	43	3.21	< 10	< 1	0.15	10	1.29	395	3
274133	205	226	0.2	2.45	< 2	30	< 0.5	< 2	0.21	0.5	28	79	47	3.88	< 10	< 1	0.17	10	1.30	550	2
274134	205	226	< 0.2	2.26	< 2	30	< 0.5	< 2	0.22	0.5	28	83	54	3.57	< 10	< 1	0.17	10	1.22	445	2
274135	205	226	0.2	2.79	16	30	< 0.5	< 2	0.24	5.0	31	179	97	3.89	< 10	< 1	0.12	10	1.93	535	3
274136	205	226	< 0.2	2.24	2	30	< 0.5	< 2	0.37	2.0	20	96	42	3.14	< 10	< 1	0.15	10	1.23	440	2
274137	205	226	< 0.2	2.48	< 2	40	< 0.5	< 2	0.33	0.5	27	91	45	3.56	< 10	< 1	0.21	10	1.30	420	3
274138	205	226	< 0.2	2.36	10	30	< 0.5	< 2	0.23	1.0	26	85	43	3.54	< 10	< 1	0.19	10	1.27	405	3
274139	205	226	0.2	2.44	< 2	30	< 0.5	< 2	0.33	6.5	23	96	52	3.13	< 10	< 1	0.18	10	1.25	385	3
274140	205	226	0.2	2.47	2	30	< 0.5	< 2	0.28	8.5	21	83	57	3.37	< 10	< 1	0.17	10	1.40	420	1
274141	205	226	0.2	2.49	< 2	30	< 0.5	< 2	0.36	19.5	25	107	47	3.34	< 10	< 1	0.14	< 10	1.52	385	1
274142	205	226	0.2	2.63	< 2	30	< 0.5	< 2	0.35	11.0	19	111	48	3.52	< 10	< 1	0.15	< 10	1.66	425	2
274143	205	226	< 0.2	2.22	2	30	< 0.5	< 2	0.41	7.0	24	86	54	3.07	< 10	< 1	0.16	10	1.39	330	9
274144	205	226	0.2	2.06	< 2	30	< 0.5	< 2	0.38	5.0	23	78	38	2.82	< 10	< 1	0.17	10	1.26	305	7
274145	205	226	< 0.2	2.18	< 2	40	< 0.5	< 2	0.28	6.5	21	71	46	2.98	< 10	< 1	0.20	< 10	1.27	370	1
274146	205	226	< 0.2	2.29	2	30	< 0.5	< 2	0.26	2.0	26	82	36	3.40	< 10	< 1	0.15	< 10	1.50	430	1
274147	205	226	< 0.2	2.23	< 2	30	< 0.5	< 2	0.40	0.5	28	68	25	3.27	< 10	< 1	0.18	< 10	1.47	410	3
274148	205	226	< 0.2	2.26	< 2	20	< 0.5	< 2	0.28	< 0.5	21	73	43	3.30	< 10	< 1	0.15	< 10	1.49	445	3
274149	205	226	< 0.2	1.89	< 2	30	< 0.5	< 2	0.24	< 0.5	27	67	49	2.77	< 10	< 1	0.16	< 10	1.14	325	2
274150	205	226	< 0.2	2.52	< 2	30	< 0.5	< 2	0.28	1.5	19	82	55	3.38	< 10	< 1	0.17	< 10	1.64	445	1
274201	205	226	< 0.2	3.55	< 2	30	< 0.5	< 2	0.34	3.0	19	209	52	3.91	< 10	< 1	0.12	< 10	3.23	505	3
274202	205	226	< 0.2	3.05	< 2	10	< 0.5	< 2	0.29	< 0.5	17	95	3	3.70	< 10	< 1	0.09	< 10	2.71	515	3
274203	205	226	< 0.2	2.80	< 2	20	< 0.5	< 2	0.22	< 0.5	17	71	11	3.31	< 10	< 1	0.14	< 10	2.34	505	3
274204	205	226	< 0.2	2.90	< 2	30	< 0.5	< 2	0.27	< 0.5	17	87	10	3.70	< 10	< 1	0.22	< 10	2.15	475	3
274205	205	226	< 0.2	2.90	< 2	30	< 0.5	< 2	0.29	< 0.5	17	89	31	3.46	< 10	< 1	0.19	< 10	2.33	355	3
274206	205	226	< 0.2	2.86	8	30	< 0.5	< 2	0.31	0.5	24	105	21	3.60	< 10	< 1	0.17	< 10	1.99	425	3
274207	205	226	< 0.2	3.01	8	20	< 0.5	< 2	0.33	1.5	21	103	35	3.58	< 10	< 1	0.14	10	2.01	455	1
274208	205	226	< 0.2	3.02	4	30	< 0.5	< 2	0.29	< 0.5	19	99	16	3.87	< 10	< 1	0.18	< 10	2.11	440	3
274209	205	226	< 0.2	3.05	< 2	30	< 0.5	< 2	0.47	< 0.5	17	91	5	3.71	< 10	< 1	0.15	< 10	2.26	470	3
274210	205	226	< 0.2	2.65	2	30	< 0.5	< 2	0.24	< 0.5	17	84	7	3.40	< 10	1	0.16	< 10	1.80	410	2

CERTIFICATION:

Chemex Labs Ltd.

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To: INTERNATIONAL CANALASKA RESOURCES LTD.

MEZZANINE FLOOR, 626 W. PENDER ST.
VANCOUVER, BC
V6B 1V9

Project : TIMMINS
Comments: ATTN: LINDSAY BOTTOMER CC: ANDREW TIMS

Certificate Date: 08-DEC-19
Invoice No. :19837326
P.O. Number :
Account :OEY

CERTIFICATE OF ANALYSIS A9837326

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
274121	205	226	0.05	69	400	542	< 2	6	19	0.16	< 10	< 10	67	< 10	1360
274122	205	226	0.06	59	350	3270	< 2	5	25	0.14	< 10	< 10	55	< 10	8910
274123	205	226	0.06	74	360	392	< 2	6	16	0.10	< 10	< 10	70	< 10	2960
274124	205	226	0.04	82	370	98	< 2	4	15	0.10	< 10	< 10	53	< 10	158
274125	205	226	0.06	54	360	780	< 2	5	14	0.06	< 10	< 10	55	< 10	3150
274126	205	226	0.05	65	380	334	< 2	5	15	0.12	< 10	< 10	62	< 10	2960
274127	205	226	0.05	75	390	216	< 2	5	11	0.09	< 10	< 10	57	< 10	948
274128	205	226	0.07	61	380	46	< 2	6	16	0.09	< 10	< 10	66	< 10	306
274129	205	226	0.05	72	400	140	< 2	5	15	0.09	< 10	< 10	61	< 10	890
274130	205	226	0.02	207	690	4550	< 2	12	15	0.11	< 10	< 10	111	< 10	6240
274131	205	226	0.05	70	400	456	< 2	5	14	0.11	< 10	< 10	55	< 10	1335
274132	205	226	0.05	73	360	588	< 2	6	10	0.08	< 10	< 10	68	< 10	2340
274133	205	226	0.05	76	390	118	< 2	6	13	0.05	< 10	< 10	62	< 10	296
274134	205	226	0.05	71	380	42	< 2	5	14	0.07	< 10	< 10	60	< 10	230
274135	205	226	0.04	100	420	414	< 2	7	10	0.08	< 10	< 10	75	< 10	1480
274136	205	226	0.06	56	390	118	< 2	6	20	0.09	< 10	< 10	61	< 10	546
274137	205	226	0.06	70	350	94	< 2	6	16	0.09	< 10	< 10	66	< 10	296
274138	205	226	0.04	71	370	190	< 2	6	12	0.08	< 10	< 10	64	< 10	364
274139	205	226	0.08	71	370	764	< 2	6	19	0.07	< 10	< 10	65	< 10	1900
274140	205	226	0.05	66	370	884	< 2	6	12	0.08	< 10	< 10	65	< 10	2530
274141	205	226	0.08	64	400	1360	< 2	7	17	0.10	< 10	< 10	68	< 10	5430
274142	205	226	0.07	61	380	732	< 2	7	19	0.12	< 10	< 10	68	< 10	3180
274143	205	226	0.05	65	510	452	< 2	6	21	0.12	< 10	< 10	66	< 10	1990
274144	205	226	0.06	60	410	548	< 2	5	18	0.12	< 10	< 10	55	< 10	1540
274145	205	226	0.04	55	360	484	< 2	5	14	0.12	< 10	< 10	56	< 10	2360
274146	205	226	0.04	61	390	532	< 2	6	10	0.12	< 10	< 10	62	< 10	662
274147	205	226	0.04	64	370	604	< 2	4	13	0.13	< 10	< 10	50	< 10	278
274148	205	226	0.05	51	390	48	< 2	5	9	0.11	< 10	< 10	53	< 10	94
274149	205	226	0.06	47	350	84	< 2	4	13	0.10	< 10	< 10	42	< 10	166
274150	205	226	0.05	56	390	630	< 2	6	9	0.14	< 10	< 10	69	< 10	742
274201	205	226	0.04	129	580	438	< 2	8	12	0.13	< 10	< 10	82	< 10	1310
274202	205	226	0.05	83	360	10	< 2	8	9	0.16	< 10	< 10	78	< 10	80
274203	205	226	0.08	73	320	2	< 2	5	10	0.10	< 10	< 10	53	< 10	72
274204	205	226	0.06	68	360	18	< 2	6	12	0.13	< 10	< 10	68	< 10	86
274205	205	226	0.06	71	360	190	< 2	7	15	0.14	< 10	< 10	74	< 10	220
274206	205	226	0.08	70	420	112	< 2	7	12	0.12	< 10	< 10	81	< 10	360
274207	205	226	0.10	68	390	168	< 2	9	33	0.10	< 10	< 10	84	< 10	628
274208	205	226	0.06	63	380	138	< 2	8	16	0.14	< 10	< 10	85	< 10	204
274209	205	226	0.07	71	400	100	< 2	7	14	0.11	< 10	< 10	81	< 10	122
274210	205	226	0.07	51	390	52	< 2	6	11	0.07	< 10	< 10	72	< 10	110

CERTIFICATION: Hart Fichler

Chemex Labs Ltd.

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To: INTERNATIONAL CANALASKA RESOURCES LTD.

MEZZANINE FLOOR, 626 W. PENDER ST.
VANCOUVER, BC
V6B 1V9

Project : TIMMINS
Comments: ATTN: LINDSAY BOTTOMER CC: ANDREW TIMS

Certificate Date: 08-DEC-19
Invoice No. : I9837326
P.O. Number :
Account :OEY

CERTIFICATE OF ANALYSIS A9837326

SAMPLE	PREP CODE		Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm	Mo ppm
274211	205	226	0.2	3.06	< 2	20	< 0.5	< 2	0.40	0.5	19	93	27	3.82	< 10	< 1	0.12	< 10	2.37	500	3
274212	205	226	0.2	2.96	< 2	20	< 0.5	< 2	0.31	0.5	24	93	15	4.12	< 10	< 1	0.11	< 10	2.46	490	6
274213	205	226	0.2	2.79	< 2	30	< 0.5	< 2	0.33	5.0	26	105	43	3.75	< 10	< 1	0.17	10	1.95	470	4
274214	205	226	0.4	2.61	< 2	30	< 0.5	< 2	0.25	9.5	27	98	116	3.61	< 10	< 1	0.16	10	1.78	480	2
274215	205	226	0.2	2.75	< 2	40	< 0.5	< 2	0.25	9.0	25	79	94	3.51	< 10	< 1	0.21	< 10	1.93	450	3
274216	205	226	0.6	2.29	8	20	< 0.5	< 2	0.36	1.5	36	100	738	3.42	< 10	< 1	0.14	10	1.89	330	3
274217	205	226	0.2	2.15	2	10	< 0.5	< 2	0.68	0.5	30	79	116	2.86	< 10	< 1	0.12	10	1.71	375	13
274218	205	226	0.2	2.76	< 2	30	< 0.5	< 2	0.32	2.0	21	96	72	3.74	< 10	< 1	0.15	< 10	1.85	600	2
274219	205	226	< 0.2	2.52	< 2	20	< 0.5	< 2	0.30	0.5	20	102	33	3.49	< 10	< 1	0.12	< 10	1.70	550	3
274220	205	226	< 0.2	2.45	< 2	20	< 0.5	< 2	0.31	2.5	25	91	38	3.40	< 10	< 1	0.15	< 10	1.64	455	3
274221	205	226	0.6	2.31	< 2	20	< 0.5	< 2	0.23	0.5	23	96	49	3.32	< 10	< 1	0.14	10	1.57	435	2
274222	205	226	< 0.2	1.97	< 2	30	< 0.5	< 2	0.27	< 0.5	24	91	42	2.80	< 10	< 1	0.20	< 10	1.17	330	3
274223	205	226	< 0.2	2.20	< 2	30	< 0.5	< 2	0.25	< 0.5	25	76	54	3.37	< 10	< 1	0.17	< 10	1.38	370	2

CERTIFICATION: Hart Richler

Chemex Labs Ltd.

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To: INTERNATIONAL CANALASKA RESOURCES LTD. *

MEZZANINE FLOOR, 626 W. PENDER ST.
VANCOUVER, BC
V6B 1V9

Project : TIMMINS
Comments: ATTN: LINDSAY BOTTOMER CC: ANDREW TIMS

Certificate Date: 08-DEC-199
Invoice No. :19837326
P.O. Number :
Account :OEY

CERTIFICATE OF ANALYSIS A9837326

SAMPLE	PREP CODE		Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
274211	205	226	0.05	75	440	2630	< 2	7	9	0.13	< 10	< 10	82	< 10	502
274212	205	226	0.07	81	430	86	< 2	7	9	0.10	< 10	< 10	89	< 10	424
274213	205	226	0.07	72	470	382	< 2	8	16	0.12	< 10	< 10	88	< 10	1890
274214	205	226	0.06	66	420	1670	< 2	7	12	0.09	< 10	< 10	87	< 10	3660
274215	205	226	0.05	64	410	2460	< 2	5	15	0.09	< 10	< 10	62	< 10	3290
274216	205	226	0.10	63	400	2500	< 2	8	15	0.16	< 10	< 10	90	< 10	450
274217	205	226	0.10	44	520	92	< 2	6	16	0.13	< 10	< 10	72	< 10	218
274218	205	226	0.07	55	400	442	< 2	7	16	0.11	< 10	< 10	80	< 10	912
274219	205	226	0.07	54	390	38	< 2	8	10	0.12	< 10	< 10	88	< 10	308
274220	205	226	0.07	66	370	158	< 2	7	13	0.12	< 10	< 10	78	< 10	934
274221	205	226	0.04	76	340	102	< 2	6	13	0.09	< 10	< 10	67	< 10	404
274222	205	226	0.05	68	370	32	< 2	4	16	0.09	< 10	< 10	46	< 10	128
274223	205	226	0.04	78	390	38	< 2	5	15	0.11	< 10	< 10	54	< 10	158

CERTIFICATION: Hart Fichler

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To: INTERNATIONAL CANALASKA RESOURCES LTD. *

MEZZANINE FLOOR, 626 W. PENDER ST.
VANCOUVER, BC
V6B 1V9

Project : TIMMINS
Comments: ATTN: LINDSAY BOTTOMER CC: ANDREW TIMS

Page Number :1-A
Total Pages :1
Certificate Date: 01-DEC-19
Invoice No. :19837028
P.O. Number :
Account :OEY

CERTIFICATE OF ANALYSIS A9837028

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
274224	205	226	< 5	0.2	1.58	8	40	< 0.5	< 2	0.81	< 0.5	21	64	61	2.63	< 10	< 1	0.24	10	0.85	335
274225	205	226	< 5	0.2	1.40	< 2	40	< 0.5	< 2	0.24	0.5	14	58	33	2.03	< 10	< 1	0.20	10	0.70	190
274226	205	226	< 5	0.6	3.19	14	30	< 0.5	< 2	0.59	< 0.5	40	133	402	4.37	10	< 1	0.10	10	2.94	435
274227	205	226	< 5	< 0.2	2.63	16	30	< 0.5	< 2	0.45	1.5	26	114	116	3.87	< 10	< 1	0.19	10	1.59	435
274228	205	226	< 5	< 0.2	3.27	20	20	< 0.5	< 2	0.59	0.5	29	167	50	4.34	< 10	< 1	0.12	10	2.45	580
274229	205	226	10	< 0.2	2.56	18	30	< 0.5	< 2	0.31	< 0.5	24	86	49	3.57	< 10	< 1	0.18	10	1.66	415
274230	205	226	< 5	0.2	2.26	20	30	< 0.5	< 2	0.41	< 0.5	25	83	64	3.44	< 10	< 1	0.20	10	1.16	325
274231	205	226	< 5	< 0.2	2.32	16	40	< 0.5	< 2	0.47	< 0.5	23	101	49	3.62	< 10	< 1	0.21	10	1.21	405
274232	205	226	< 5	0.2	3.21	< 2	30	< 0.5	< 2	0.89	1.5	19	111	35	4.12	10	< 1	0.17	10	2.29	505
274233	205	226	< 5	< 0.2	2.39	20	60	< 0.5	< 2	0.33	0.5	24	113	50	3.52	< 10	< 1	0.29	10	1.38	345
274234	205	226	< 5	< 0.2	3.14	30	30	< 0.5	< 2	0.37	2.0	21	114	38	4.59	10	< 1	0.17	10	2.40	515
274235	205	226	< 5	0.4	2.98	8	20	< 0.5	< 2	0.37	< 0.5	17	135	223	4.33	< 10	< 1	0.11	10	2.65	505
274236	205	226	< 5	0.6	2.70	8	10	< 0.5	< 2	0.36	< 0.5	22	143	99	4.11	10	< 1	0.07	10	2.76	485
274237	205	226	< 5	0.2	2.49	4	< 10	< 0.5	< 2	0.35	< 0.5	22	126	16	3.98	< 10	< 1	0.03	10	2.50	400
274238	205	226	< 5	0.6	2.74	6	< 10	< 0.5	< 2	0.38	< 0.5	18	140	102	4.00	< 10	< 1	0.03	10	2.85	415
274239	205	226	< 5	0.8	4.10	< 2	< 10	0.5	2	0.82	< 0.5	21	155	103	5.29	10	< 1	0.03	10	4.53	565
274240	205	226	< 5	0.2	4.34	< 2	< 10	0.5	< 2	0.95	< 0.5	28	335	3	5.45	10	< 1	0.01	50	4.78	590
274241	205	226	< 5	0.4	2.98	2	20	0.5	< 2	0.38	< 0.5	24	118	975	4.04	10	< 1	0.08	< 10	3.09	365
274242	205	226	< 5	0.2	2.90	< 2	30	0.5	< 2	0.32	< 0.5	21	98	202	3.77	< 10	< 1	0.14	< 10	2.88	345
274243	205	226	< 5	1.2	2.25	10	30	< 0.5	< 2	0.37	4.0	20	119	958	3.14	< 10	< 1	0.19	10	1.84	290
274244	205	226	< 5	0.6	3.57	< 2	50	0.5	< 2	0.90	3.5	21	285	620	4.47	< 10	< 1	0.15	70	3.92	455
274245	205	226	< 5	1.8	2.34	< 2	100	< 0.5	< 2	0.25	5.0	23	92	1970	3.33	< 10	< 1	0.35	10	1.55	230
274246	205	226	< 5	1.8	2.63	2	70	< 0.5	< 2	0.33	6.0	32	96	1955	4.06	< 10	< 1	0.24	< 10	1.85	295
274247	205	226	< 5	0.2	2.79	2	40	< 0.5	< 2	0.49	7.5	27	150	60	3.94	< 10	< 1	0.16	20	2.19	425
274248	205	226	< 5	0.2	3.22	< 2	30	< 0.5	< 2	1.01	4.0	26	245	64	4.13	< 10	< 1	0.14	30	3.19	460
274249	205	226	< 5	0.2	2.38	< 2	110	< 0.5	< 2	0.36	1.5	24	122	66	3.86	< 10	< 1	0.26	10	1.71	355
274250	205	226	< 5	0.2	3.29	< 2	40	< 0.5	< 2	1.86	6.0	23	261	50	3.98	< 10	< 1	0.18	40	3.74	515
274301	205	226	< 5	0.8	3.08	8	50	< 0.5	< 2	0.49	8.0	30	127	140	4.37	< 10	< 1	0.18	10	2.62	485
274302	205	226	< 5	0.2	2.32	< 2	60	< 0.5	< 2	0.99	0.5	26	151	48	3.75	< 10	< 1	0.15	10	2.33	345
274303	205	226	< 5	0.8	2.79	2	30	< 0.5	< 2	0.48	34.0	19	149	118	3.83	< 10	< 1	0.15	< 10	2.99	385

CERTIFICATION:

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VANCOUVER, BC
V6B 1V9

Project : TIMMINS
Comments: ATTN: LINDSAY BOTTOMER CC: ANDREW TIMS

Page Number :1-B
Total Pages :1
Certificate Date: 01-DEC-199
Invoice No. : I9837028
P.O. Number :
Account :OEY

CERTIFICATE OF ANALYSIS A9837028

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
274224	205	226	5	0.05	58	390	8	< 2	3	16	0.05	< 10	< 10	24	< 10	244
274225	205	226	2	0.05	37	320	14	< 2	3	7	0.09	< 10	< 10	22	< 10	304
274226	205	226	11	0.04	91	920	26	< 2	9	14	0.18	< 10	< 10	95	< 10	110
274227	205	226	3	0.05	83	440	214	< 2	8	22	0.11	< 10	< 10	79	< 10	510
274228	205	226	4	0.06	115	530	72	< 2	10	24	0.12	< 10	< 10	90	< 10	266
274229	205	226	10	0.05	71	390	76	< 2	6	10	0.12	< 10	< 10	64	< 10	196
274230	205	226	6	0.05	69	410	68	< 2	5	18	0.06	< 10	< 10	56	< 10	224
274231	205	226	3	0.06	66	410	12	< 2	7	17	0.11	< 10	< 10	70	< 10	152
274232	205	226	6	0.07	58	410	200	< 2	9	17	0.17	< 10	< 10	80	< 10	520
274233	205	226	1	0.06	70	440	132	< 2	8	15	0.14	< 10	< 10	76	< 10	386
274234	205	226	10	0.04	80	420	218	< 2	9	12	0.21	< 10	< 10	88	< 10	770
274235	205	226	12	0.04	73	480	40	< 2	9	8	0.21	< 10	< 10	81	< 10	148
274236	205	226	3	0.06	78	530	200	< 2	11	9	0.19	< 10	< 10	86	< 10	144
274237	205	226	4	0.07	84	430	176	< 2	11	6	0.20	< 10	< 10	93	< 10	72
274238	205	226	6	0.06	92	540	324	< 2	10	8	0.15	< 10	< 10	86	< 10	88
274239	205	226	37	0.03	124	640	86	< 2	11	12	0.17	< 10	< 10	106	< 10	96
274240	205	226	20	0.04	121	1790	12	< 2	11	13	0.16	< 10	< 10	129	< 10	84
274241	205	226	2	0.06	72	440	22	< 2	10	7	0.23	< 10	< 10	85	< 10	78
274242	205	226	28	0.04	61	370	42	< 2	7	7	0.17	< 10	< 10	67	< 10	76
274243	205	226	40	0.07	62	410	2580	< 2	9	15	0.19	< 10	< 10	89	< 10	1090
274244	205	226	4	0.07	120	1340	174	< 2	10	68	0.23	< 10	< 10	93	< 10	994
274245	205	226	11	0.05	60	410	1020	< 2	6	10	0.13	< 10	< 10	61	< 10	1650
274246	205	226	3	0.06	70	460	138	< 2	6	14	0.17	< 10	< 10	64	< 10	1775
274247	205	226	4	0.05	91	590	778	< 2	8	16	0.14	< 10	< 10	71	< 10	1575
274248	205	226	4	0.08	114	830	910	< 2	10	36	0.17	< 10	< 10	96	< 10	1090
274249	205	226	7	0.10	74	410	198	< 2	11	21	0.18	< 10	< 10	94	< 10	462
274250	205	226	11	0.10	128	950	1325	< 2	9	48	0.17	< 10	< 10	85	< 10	1925
274301	205	226	5	0.08	85	430	3260	< 2	8	20	0.16	< 10	< 10	73	< 10	2800
274302	205	226	3	0.09	90	600	142	< 2	6	23	0.17	< 10	< 10	63	< 10	284
274303	205	226	22	0.04	79	480	2500	< 2	9	14	0.18	< 10	< 10	73	< 10	>10000

CERTIFICATION:

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To: INTERNATIONAL CANALASKA RESOURCES LTD. *

MEZZANINE FLOOR, 626 W. PENDER ST.
VANCOUVER, BC
V6B 1V9

Project : TIMMINS
Comments: ATTN: LINDSAY BOTTOMER CC: ANDREW TIMS

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P.O. Number :
Account :OEY

CERTIFICATE OF ANALYSIS A9837170

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
274304	205	294	-----	0.6	2.45	12	70	0.5	< 2	0.37	11.5	24	146	108	3.61	10	< 1	0.22	10	2.26	430
274305	205	226	-----	0.8	2.36	12	30	0.5	< 2	0.24	2.5	15	122	1805	3.51	10	< 1	0.18	< 10	2.33	350
274306	205	226	-----	0.2	2.07	8	60	< 0.5	< 2	0.39	3.0	20	123	63	2.91	10	< 1	0.33	10	1.80	375
274307	205	226	-----	0.4	2.17	12	10	< 0.5	< 2	0.33	0.5	23	157	119	5.57	10	< 1	0.18	10	2.28	355
274308	205	226	-----	0.2	1.81	10	240	< 0.5	< 2	0.49	< 0.5	21	219	63	3.04	10	< 1	0.76	30	1.77	320
274309	205	294	-----	< 0.2	1.72	6	190	< 0.5	< 2	0.44	< 0.5	21	122	38	3.23	< 10	< 1	0.63	10	1.45	290
274310	205	226	-----	0.2	2.18	22	100	< 0.5	< 2	1.32	< 0.5	25	213	45	3.74	< 10	1	0.52	10	2.17	370
274311	205	226	-----	0.4	1.99	6	50	< 0.5	< 2	1.12	0.5	24	134	156	3.95	< 10	< 1	0.31	10	1.64	385
274312	205	226	-----	0.2	2.05	< 2	70	< 0.5	< 2	1.16	< 0.5	25	163	83	3.94	10	< 1	0.55	10	1.81	370
274313	205	226	-----	0.2	1.77	4	60	< 0.5	< 2	0.46	< 0.5	24	158	139	3.22	< 10	< 1	0.47	10	1.66	260
274314	205	226	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
274315	205	226	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
274316	205	226	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
274317	205	226	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
274318	205	226	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
274319	205	226	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
274320	205	226	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
274321	205	226	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
274322	205	226	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
274323	205	226	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

CERTIFICATION: Hawthorn

Chemex Labs Ltd.

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To: INTERNATIONAL CANALASKA RESOURCES LTD. *

MEZZANINE FLOOR, 626 W. PENDER ST.
VANCOUVER, BC
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Project : TIMMINS
Comments: ATTN: LINDSAY BOTTOMER CC: ANDREW TIMS

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Invoice No. :I9837170
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Account :OEY

CERTIFICATE OF ANALYSIS A9837170

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
274304	205	294	5	0.04	90	670	814	4	7	24	0.12	< 10	< 10	68	< 10	3300
274305	205	226	10	0.04	59	400	330	2	6	9	0.12	< 10	< 10	61	< 10	796
274306	205	226	6	0.03	81	510	900	< 2	7	28	0.14	< 10	< 10	63	< 10	1120
274307	205	226	2	0.06	97	550	282	60	9	13	0.11	< 10	< 10	71	< 10	258
274308	205	226	2	0.04	120	900	10	248	3	25	0.16	< 10	< 10	61	< 10	72
274309	205	294	1	0.04	91	520	24	6	3	13	0.15	< 10	< 10	55	< 10	94
274310	205	226	9	0.04	122	550	26	92	5	31	0.14	< 10	< 10	64	< 10	134
274311	205	226	7	0.05	92	550	102	2	4	22	0.14	< 10	< 10	64	< 10	332
274312	205	226	3	0.07	114	620	22	2	4	22	0.17	< 10	< 10	70	< 10	102
274313	205	226	1	0.06	105	600	228	2	4	10	0.15	< 10	< 10	59	< 10	192
274314	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
274315	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
274316	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
274317	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
274318	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
274319	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
274320	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
274321	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
274322	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
274323	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

CERTIFICATION: _____

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Project : TIMMINS
Comments: ATTN: LINDSAY BOTTOMER CC: ANDREW TIMMS

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Account :OEY

CERTIFICATE OF ANALYSIS A9837721

SAMPLE	PREP CODE		Zn %
274049	212	--	1.40

CERTIFICATION:

OVERLIMITS from A9836991

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MEZZANINE FLOOR, 626 W. PENDER ST.
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Project : TIMMINS
Comments: ATTN: LINDSAY BOTTOMER CC: ANDREW TIMS

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P.O. Number :
Account :OEY

CERTIFICATE OF ANALYSIS A9837549

SAMPLE	PREP CODE		Zn %									
274303	212	--	1.13									

CERTIFICATION: Hart Richlen

OVERLIMITS from A9837028

APPENDIX 3 – Names and Addresses of Claim Holders

APPENDIX 4 – Drill Hole Location Map and Sections

BRIEF REPORT DESCRIBING INDUCED POLARIZATION/RESISTIVITY AND GROUND MAGNETIC DATA OVER INTERNATIONAL CANALASKA RESOURCES LTD.'S TIMMINS TWP. PROPERTY, ONTARIO

on behalf of

International CanAlaska Resources Ltd.
Mezzanine Floor, 626 West Pender Street,
Vancouver, B.C., V6B 1V9

by

Jan Klein, M.Sc., P.Eng., P.Geo.
Consulting Geophysicist
7025 Dunblane Avenue,
Burnaby, B.C., V5J 4G1

TABLE OF CONTENTS

Attachements:

Reduced version of the revised Magnetic contour map on a scale of 1:10,000
Reduced version of the N=2 Resistivity contour plan on a scale of 1:10,000
Reduced version of the N=6 Chargeability contour plan on a scale of 1:10,000
Reduced version of Interpretive overlay on a scale of 1:10,000

BRIEF REPORT DESCRIBING INDUCED POLARIZATION/RESISTIVITY AND GROUND MAGNETIC DATA OVER INTERNATIONAL CANALASKA RESOURCES LTD.'S TIMMINS TWP. PROPERTY, ONTARIO

INTRODUCTION

An Induced Polarization/Resistivity (IP/Res) and ground magnetic survey was recently executed over an irregular grid over portions of International CanAlaska Resources Ltd's property in Timmins Twp., Porcupine Mining Division, Ontario, approximately centered at $80^0$45'W and $48^0$21'N (NTS 42A/7).

Dan Patrie Exploration Ltd., Timmins employing a Huntec 7.5 kW transmitter and a SCINTREX IPR-12 receiver for the IP/Res and Scintrex ENVIMags for the magnetic portion, executed the geophysical surveys. The IP/Res employed the pole-dipole array with a spacing of a=50 m and separations n=1-6. The data was collected in the time domain mode with a 2 secs ON/OFF cycle. The magnetic data was collected at a station interval of 25 m. A regular base station was used to compensate for diurnal effects. The data is currently available in pseudosection format for the IP/Res and in contour plan for the magnetic results as well as in digital format.

The survey lines run N30^0W in the northern part of the grid cutting across a portion of a nearly 100 kms long mafic dike-like intrusive body, most likely part of the Abitibi dike swarm. Two of these lines are extended south and form the tie lines for the southern part of the grid where the lines are oriented N60^0E. The lines vary in length, while interline spacing is 100 to 200 m for most parts of the grid.

A helicopter-borne EM-mag survey was executed in early 1998 over a large block of claims covering also the current ground geophysical grid. No strong bedrock conductors reminiscent of subcropping massive sulfide bodies were detected. It should be mentioned however that helicopter-borne EM-systems have a maximum depth search of 75-90 m. Some parts of the property may have that amount of cover and the EM portion of that helicopter survey may have been only marginally effective in such areas of thicker overburden.

This brief report describes the ground magnetic and IP/Res results.

INTERPRETATION

Attached are reduced versions of the magnetic, n=2 resistivity, n=6 chargeability contour plans and of an interpretive overlay showing the most important interpreted geophysical features, on scales of 1:10,000.

MAGNETICS

Local very sharp negative spikes were removed from the data set. These were present along line 1000W at 350 to 375S and 1025 to 1050S. This area, based on the resistivity data, has no outcropping bedrock and noise, an equipment glitch or at-surface man-made materials may have caused the spikes. Some very erratic positive and negative readings were also recorded along line 1900S between stations 225 and 475W. These sharp readings, again in an area where the resistivity data does not suggest a bedrock close to surface, are most likely related to some man-made features close to the road cutting through here. These readings have also been removed from the data set. The contractor may resurvey this portion of the line to determine if it is noise or man-made. (A reduced version of the revised magnetic contour plan on a scale of 1:10,000 is attached).

The edited magnetic data compare very well with the airborne results. A portion of a ~100 kms long mafic intrusive most likely part of the Abitibi dike swarm cuts through the northern part of the grid. A left lateral shear or break may cut through it near line 200W. The western part has the more regional direction of the dike swarm: N60^{0}E, while the somewhat stronger eastern portion strikes more E-W. The body has most likely a steep dip.

To the south are three linear highs visible, striking roughly N-S. Diabase dikes of the Matachewan swarm most likely cause these highs. They are steeply dipping. The western of the three is not continuous. A possible N110^{0}E break is interpreted through line 1700S near 500W. A very weak (20-30 nT) magnetic high is visible between lines 1700 and 2200S near 500W thus running N30^{0}W.

INDUCED POLARIZATION/RESISTIVITY

It should be recognized that each of the contractor's pseudo sections shows the full range of colors for the IP and the Res data disregarding the actual range of values for each section. This has to be kept in mind when viewing these colored results. It is recommended that the contractor in the future employs one single color scheme for all lines and plans of a specific survey. It is also very important that the contractor preserves the raw data dumps. This permits a reviewer to determine data quality, if a strong enough current was used, how many cycles were sampled, etc. CD-ROM-writers are inexpensive today and CD-ROMs hold large amounts of data. This is the best medium to be used for that purpose. The original data dumps were not more available for this project.

Resistivity

The northern part of the grid shows thicker overburden in the west and east. Especially in the east (line 0N, east of station 500E) is a thick cover interpreted. The shear structure cutting through the mafic intrusive is visible along line 0N at ~ 200W. The depth to the basement is here in the range of 20 m. The results from the N-S oriented cross lines (200W to 800E), support the data along line 0N. Weak breaks along line 200W near 50S and 150N may reflect the structure though the mafic intrusive. It is possible that a fault runs parallel along the north side of the intrusive with deeper overburden on the north side (lines 200W-550N, 0E-450N, 100E-300N and 200E-225N).

The resistivities of the southern grid area show a stepwise shallowing of the bedrock along line 1000W. The bedrock is shallowest in the south with breaks near 1400 and 1900S. The picture along line 0E is rather different. The shallowest portion is between 950 and 1400S, with deeper overburden in the south and a moderate thickness to the north. Strong breaks are seen at 1400 and 1775S.

The cross lines show a rather variable character. Some lines display a broad depression (lines 2100 to 2300S), others show clear breaks or bedrock rises. Line 500S may show the shallowest bedrock between 150 and 275E. Line 2500S indicates a strong depression between 425 and 700W with a strong shear component between 425 and 525W. The structure seen in the magnetics is possibly the same as the breaks along line 1500S near 525 and 625W. It is however difficult to line these breaks up. E.g. there is no obvious correlation between the pattern along line 2300S and that on line 2500S. The best-developed break is seen from line 1300S-625W to line 2500S-750W. A bedrock rise is suggested to its west. This rise cuts across the diabase dike(s). There are no obvious $N70^0E$ structures visible. (These would be difficult to interpret even with stronger resistivity expressions on a grid that is oriented very oblique to this trend.)

Chargeability

The chargeability values are in absolute terms low. Most lines show filter values to be less than 4 mV/V. These low values are in part related to the overburden, which thickness attenuates the responses from the bedrock. The bedrock in general also contains little polarizable material. This value of 4 mV/V indicates less than ½ % pyrite of average grain size throughout the sampled volume of earth. It should be kept in mind that this array-spacing-separation combination has a depth penetration of approximately 100 to 120 meters.

The data looks noisy as is common in this area, this is most likely related to water flowing in the overburden, local patches of clay-rich overburden and electrical currents from industrial complexes tens of kilometers away flowing irregular through the overburden. It s rare to see a steady pseudo section leg of high or low values. It is there for very difficult to decide which values to interconnect and where to position the source.

The northern block shows only one weakly anomalous IP-leg that can be considered real. It is along line 0N below station 225E. It is in an area of shallow overburden and shows chargeability values increasing with depth (7.6 mV/V at n=6). The associated second Ip-leg in the opposite direction is difficulty to see. It is possible that the 4.2 mV/V value below station 350E (n=6) is part of it. If so, than a defined weak narrow zone is present, otherwise it could be a contact. (This feature is not seen in the very noisy data of cross line 200E). Another possible chargeability high is along line 800E below 200S. These two anomalies are near the axis of the magnetic high (= mafic intrusive). A third possible deep and again weak anomaly is present at line 0N-1075W. These three features are isolated so no strike direction can be determined. The rest of the mafic body shows in general weak chargeabilities suggesting a low pyrite, pyrrhotite and magnetite content.

Line 0E shows moderately consistent values in the southern part of the line. This is a typical hostrock (formational) response of 5 to 6 mV/V for n=6. The western long line 1000W does not show anything of interest.

The southern cross lines show higher (still low) chargeability values along their eastern half. This is in part related to responses from clays in the overburden, but also to an increased bedrock chargeability. Line 2100S is the only line that shows weak to moderate chargeabilities. Values in the 10 to 11 mV/V range are recorded below 200 to 400W. The pattern of these values is ill defined. It is possible that this anomaly (which peak is put below station 250W) interconnects with the deep low values along line 2000S near 575W and with ill defined deeper and higher values between 2050 and 325S along line 0E. If so, the anomaly trends ~N70-80^{0}E, alternatively we are dealing with minor increases in formational bedrock chargeabilities. The other lines do not show any interesting targets.

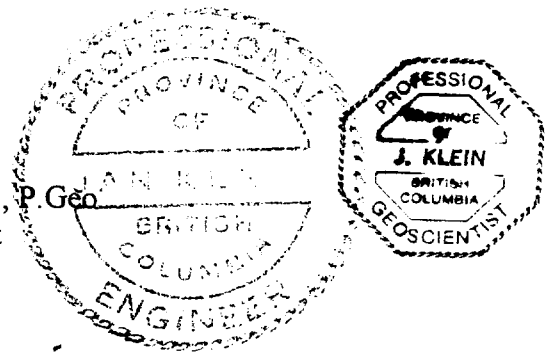
CONCLUSIONS

Ground magnetic and Induced Polarization/Resisitivity (IP/Res) data over an irregular grid in Timmins Twp., Ontario, were reviewed. The magnetic data shows a large mafic intrusive most likely part of the Abitibi dike swarm cutting through the northern part of the grid. Three Matachewan diabase dikes are also mapped. Two structural offsets are visible in the data.

The IP/Res data suggest an overburden of variable thickness throughout the grid area. At some locations can the overburden reach a thickness of 50 m. The chargeability values are very noisy and in general low to very low. This is in part related to attenuation through thick overburden of low chargeability. The noise makes it difficult to recognize true double pantleg anomalies. One possible weakly anomalous zone is interpreted along lines 2000 and 2100S. It strikes ~N70-80^{0}E and, event though ill defined, is an obvious drill target. Overburden thickness is most likely considerable, say 40 to 60 m, shallowing to the east. The other weak zones are all single line features and no strike or other parameters can be determined.

No VMS related IP/Res responses were identified in the data.

Respectfully submitted, November 1, 1998



Jan Klein, M.Sc., P.Eng., P.Geo.
Consulting Geophysicist

STATEMENT OF QUALIFICATIONS

I, Jan Klein of 7025 Dunblane Avenue, Burnaby, British Columbia, do hereby certify that:

1. I am the author of this report.

2. I am a graduate of the Technological University of Delft, Netherlands, having received an Honor Master Degree in Mining Engineering (Exploration) in 1965.

3. I have practiced throughout the world in the field of mineral exploration since 1965.

4. I am a Professional Engineer and a Professional Geoscientist registered with the Association of Professional Engineers and Geoscientists of British Columbia.

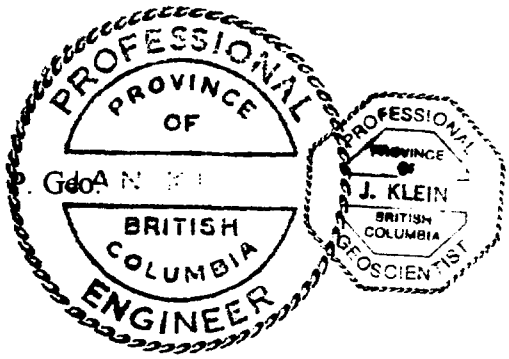
5. I am a member of numerous Geophysical Societies.

6. I have not received nor do I expect to receive any interest in the Timmins Twp., Ontario property described in this report. I do not own nor do I expect to receive, directly or indirectly, any securities in International CanAlasaka Resources Ltd.

I consent to the use of this report by International CanAlaska Resources Ltd.

Dated: Burnaby, British Columbia this 1st day of November, 1998

Jan Klein, M.Sc., P.Eng., P. Geo.
Consulting Geophysicist

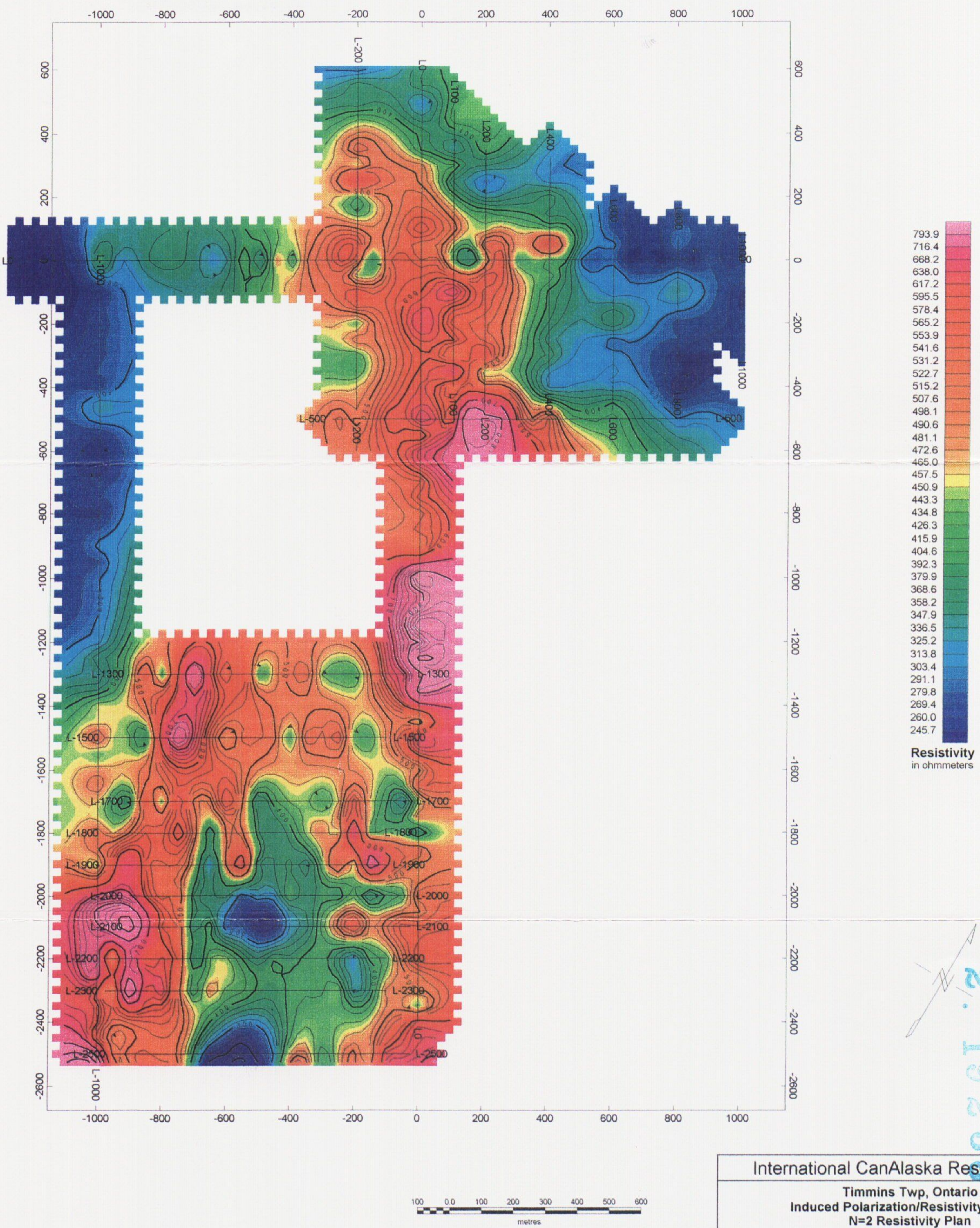


International CanAlaska Resources Ltd.

Timmins Twp, Ontario
GEOPHYSICAL INTERPRETATION

based on:
Induced Polarization/Resistivity and Magnetic data
Survey by: Dan Patrie Ltd., 1998
Map: OverlayRev.map

Jan Klein, November 1998

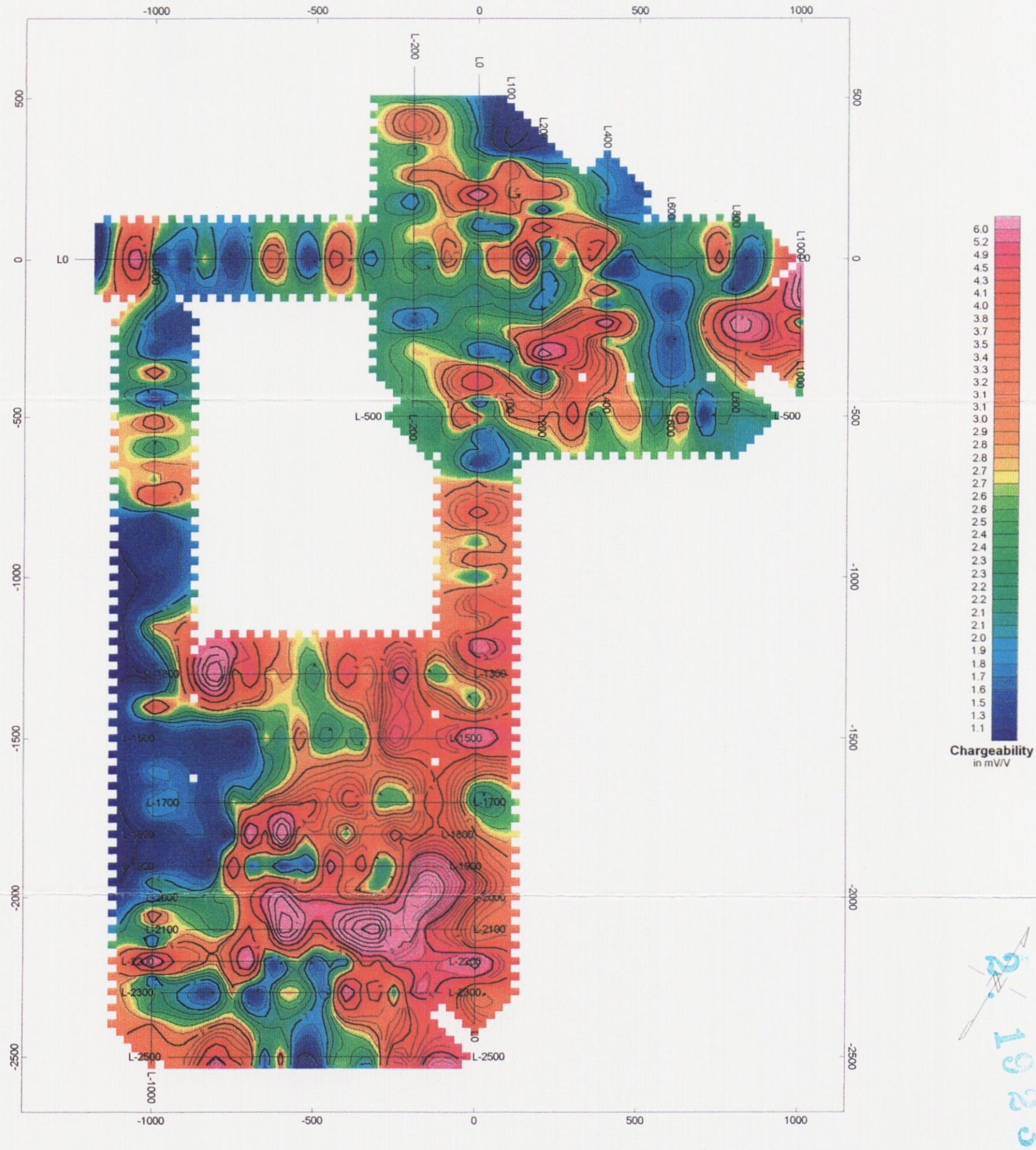


International CanAlaska Resources Ltd.

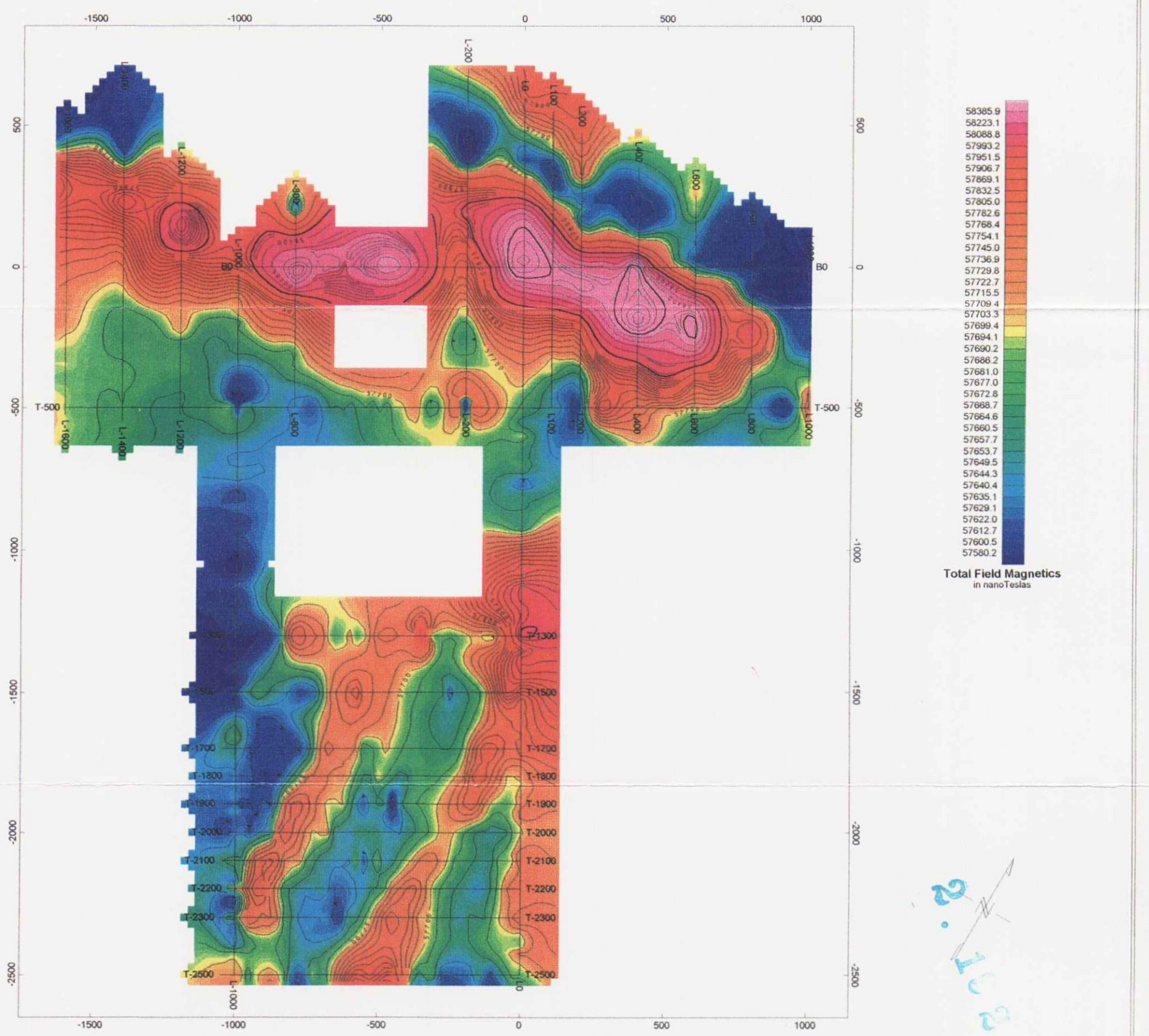
Timmins Twp, Ontario
Induced Polarization/Resistivity Survey
N=2 Resistivity Plan

Pole Dipole array, a=50 m
Survey by: Dan Patrie Ltd., 1998
Map: Res61

Jan Klein, November 1998



International CanAlaska Resources Ltd.
Timmins Twp, Ontario **Induced Polarization/Resistivity Survey** **N=6 Induced Polarization Plan**
Pole Dipole array, a=50m Survey by: Dan Patrie Ltd., 1998 Map Ip61
Jan Klein, november 1998



International CanAlaska Resources Ltd.
Timmins Twp, Ontario **Ground Magnetic Survey**
Survey by: Dan Patrie Ltd., 1998 Map: MagRev4.map
Jan Klein

GEOPHYSICS REPORT

ON THE

TIMMINS TOWNSHIP

PROPERTY

FOR

INTERNATIONAL CANALASKA RESOURCES LTD.

TIMMINS AREA

PORCUPINE MINING DIVISION

ONTARIO, CANADA

Dan Patrie
Dan Patrie Exploration Ltd.
October 27, 1998

TABLE OF CONTENTS

1. INTRODUCTION

In September, 1998, International CanAlaska Resources Ltd., of Vancouver, B. C. commissioned Dan Patrie Exploration Ltd to do an exploration program on their property of 37 un-patented mining claims situated in Timmins Township, approximately 40 kilometers east of Timmins, Ontario. The work was done from September 01, 1998 to October 15, 1998.

2. SUMMARY AND RECOMMENDATIONS

The Timmins Township Property, acquired by International CanAlaska Resources Ltd., lies in north central Timmins Township, and south of Sheraton Township in Porcupine Mining Division. Timmins Township lies approximately 40 km east of Timmins.

These claims are underlain by volcanic and sedimentary rocks of the Archean Abitibi subprovince of the Superior Province of the Canadian Shield. Earlier work has been primarily focused on gold, but not intensively. Thick, widespread cover of overburden has made cost effective exploration difficult in the past, so the Townships were poorly explored.

Cross Lake Minerals Ltd., recently discovered a polymetallic volcanic massive sulphide (VMS) deposit, east southeast of Timmins in Sheraton Township, in felsic volcanic rocks, has focused attention on the basemetal potential of the area. Of the Cross Lake Minerals Ltd., basemetal discovery, hole 16 intersected weighted average grades of 6.7% zinc, 1.86% lead, 0.16% copper, 106.95 g/tonne silver, 0.055 g/tonne gold over a core length of 33 meters.

This deposit was found using induced polarization surveys and diamond drilling, the methods of choice in basemetal deposit exploration.

Past airborne and ground magnetic surveys, VLF-EM, HLEM and induced polarization

surveys have yielded inconclusive results about bedrock geology on the area. Prominent pyroclastic rocks in the bedrock of Sheraton and Thomas Townships was also found.

A program of 44.2 kilometers of line cutting, 28.8 kilometers of Magnetic, and 26 kilometers of induced polarization was done to explore the International CanAlaska Resources Ltd., Timmins Property in Timmins township for VMS and gold deposits.

Due to the lack of geological information, the following programs are recommended to complete the evaluation:

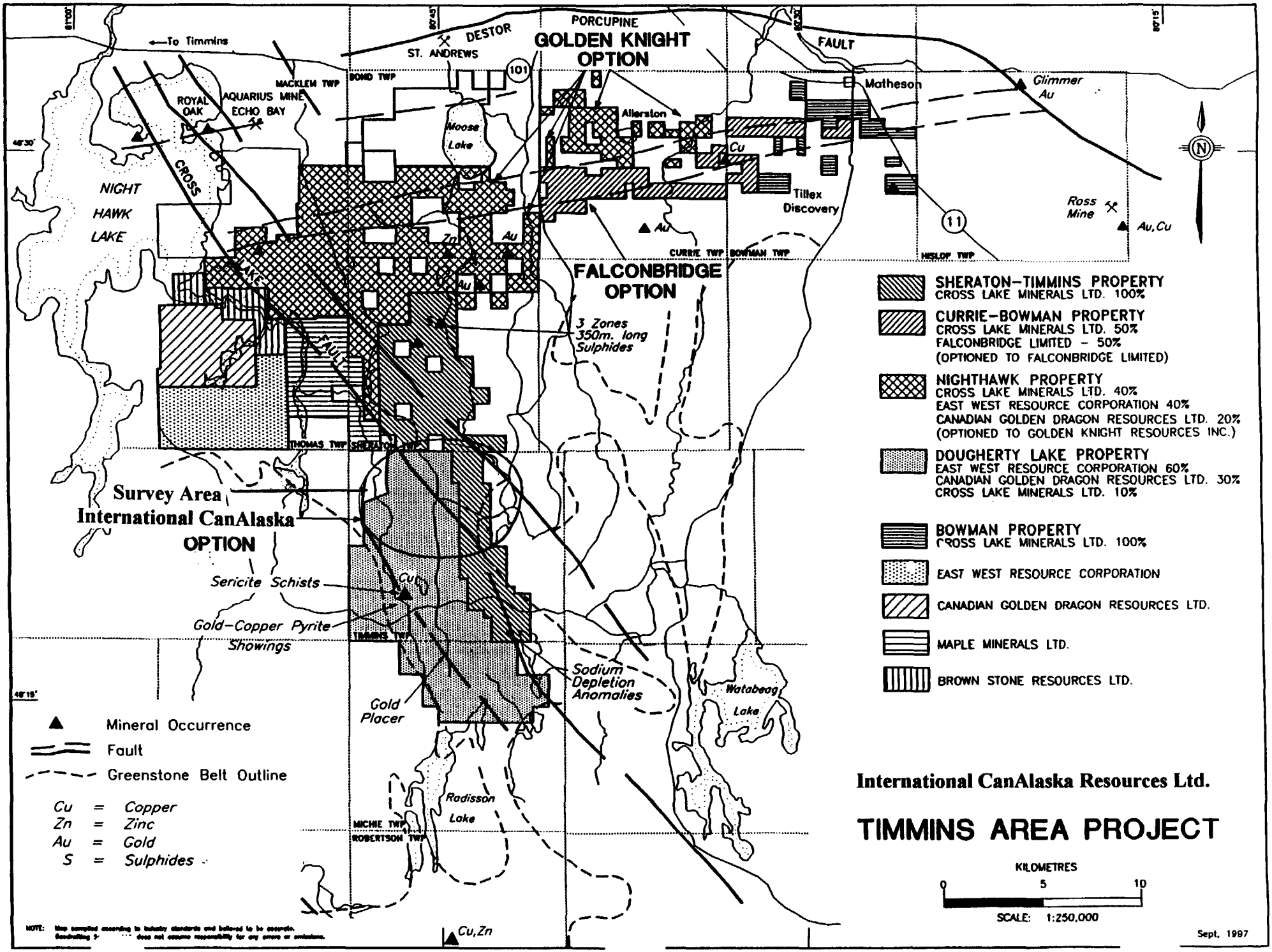
1. Completion of grid lines spaced at 100 meters over all of the claim group.
2. Magnetometer, HLEM and induced polarization on remaining lines.
3. Geochemical soil sampling of the property.
4. Diamond drilling anomalies found.

Following the completion of this work and contingent upon the results, additional work could be considered to further evaluate the property for VMS and gold mineralization.

Daniel F. Patrie

Geology and Geophysics Technologist (Dipl.T)

October, 1998


PORCUPINE
GOLDEN KNIGHT
OPTION
DESTOR
ST. ANDREWS
FAULT
To Timmins
MACKLEM TWP
BOND TWP
ROYAL OAK
AQUARIUS MINE
ECHO BAY
Moose Lake
Allerston
Matheson
Glimmer Au
NIGHT HAWK LAKE
CROSS
Cu
Tillex Discovery
Ross Mine
Au,Cu
Zn
Au
CURRIE TWP
BOWMAN TWP
HISLOP TWP
FALCONBRIDGE
OPTION
3 Zones
350m. long
Sulphides
THOMAS TWP
SHERATON TWP
Survey Area
International CanAlaska
OPTION
Sericite Schists
Gold-Copper Pyrite
Showings
TIMMINS TWP
Sodium
Depletion
Anomalies
Watabeag
Lake
Gold
Placer
Radisson
Lake
MICHIE TWP
ROBERTSON TWP
Cu,Zn
SHERATON-TIMMINS PROPERTY
CROSS LAKE MINERALS LTD. 100%
CURRIE-BOWMAN PROPERTY
CROSS LAKE MINERALS LTD. 50%
FALCONBRIDGE LIMITED - 50%
(OPTIONED TO FALCONBRIDGE LIMITED)
NIGHTHAWK PROPERTY
CROSS LAKE MINERALS LTD. 40%
EAST WEST RESOURCE CORPORATION 40%
CANADIAN GOLDEN DRAGON RESOURCES LTD. 20%
(OPTIONED TO GOLDEN KNIGHT RESOURCES INC.)
DOUGHERTY LAKE PROPERTY
EAST WEST RESOURCE CORPORATION 60%
CANADIAN GOLDEN DRAGON RESOURCES LTD. 30%
CROSS LAKE MINERALS LTD. 10%
BOWMAN PROPERTY
CROSS LAKE MINERALS LTD. 100%
EAST WEST RESOURCE CORPORATION
CANADIAN GOLDEN DRAGON RESOURCES LTD.
MAPLE MINERALS LTD.
BROWN STONE RESOURCES LTD.
Mineral Occurrence
Fault
Greenstone Belt Outline
Cu = Copper
Zn = Zinc
Au = Gold
S = Sulphides
KILOMETRES
0 5 10
SCALE: 1:250,000
International CanAlaska Resources Ltd.
TIMMINS AREA PROJECT
Sept, 1997

3. PROPERTY, LOCATION, AND ACCESS

Timmins, a modern community of approximately 45,000 people, is the center for an area of active gold and basemetal mining and exploration. It includes all the amenities to discover and develop new mines, ie.; necessary infrastructure, material supplies and a stable professional work force. The city is located 700 kms north of Toronto in the heart of the Canadian Shield. Timmins is accessible by road, freight rail, and air from several directions, and is considered a service and supply center for the vast areas to the north.

Milling, concentrator and smelting capacity within a few kilometers from Timmins, are available through the Kidd Creek basemetal mine and several other large, long lived gold mines surrounding the area.

The property can be reached by traveling east from Timmins for 38 km on highway 101, then south on the gravel, Gibson Lake road for 20 km. The Gibson Lake road travels through the eastern and southern portion of the grid and also can be accessed from the south via Lipset Lake road from the town of Shillington.

The International CanAlaska Resources Ltd., Timmins Township Property lies in an area of subdued relief, with elevations varying between approximately 276 and 292 meters above sea level (a difference of only 16 meters) which makes very wet conditions to work in.

The west end of the grid had to be postponed because of very wet conditions which made it impossible to work in.

The exploration program carried out on the property covered the following claims all or in part: P1212700, P1207301, P1206912, P1206913, P1200272, P120703, P1207056 and P1212699.

4. GEOLOGY

The claims acquired by International CanAlaska Resources Ltd., in Timmins Township, lie in a regional mineral belt of Archean Age and in the Porcupine mining camp of northeastern Ontario, only 40 kilometers west of Timmins and its many mines. The Porcupine camp is one of the most productive mining camps in the world. It contains quartz vein-hosted gold deposits ultramafic intrusive hosted nickel-copper deposits and VMS-type nickel and zinc-lead-copper-silver-gold deposits. The property is in an important geological environment for hosting VMS-type nickel and ultramafic volcanic (komatiite) hosted nickel deposits. A VMS-type zinc-lead-copper-silver-gold zone is presently being outlined by Cross Lake Minerals in felsic rocks which adjoins the International CanAlaska Resources Ltd., Timmins Township Property to the south. About 50 to 60 meters of overburden cover the bedrock. The strike of the zone and enclosing felsic pyroclastic rock is southwest, with the zone dipping about 80 degrees to the southeast.

Minerals encountered in the drilling the Cross Lake Property were pyrite, sphalerite, galena, chalcopyrite, silver and fluorite. Chalcopyrite occur with chlorite alteration and sphalerite and galena with sericite.

The high galena to chalcopyrite content for parts of the mineralized zone is unusual for this type of deposit, but is known from the Sudbury basin.

The township is covered by 99% overburden which makes it very difficult to do any geological work such as prospecting and mapping which leaves geophysics and geochem sampling with follow up diamond drilling.

The world over, Archean greenstone belts have produced approximately 22 00 tonnes of gold and approximately 45 00 tonnes produced by Witswatersand. An estimated 135 000 tonnes total, of gold, has been mined throughout history, from all sources (Phillips and Law, 1997). This means that one half of all gold ever mined has come from the Archean age rocks, their potential as established gold producers cannot be overestimated.

VMS, or volcanic massive sulphide, deposits of copper, zinc, (gold, lead), are found near the top of volcanic piles in greenstone belts in felsic pyroclastic rocks. Common to the Canadian Shield. The property contains magnetic anomalies and induced polarization anomalies suggesting to be conformable to the bedding/foliation of the underlying bedrock, and may contain sulphide mineralization. The International CanAlaska Resources Ltd., Timmins Township Property has very good potential for containing economic base and/or precious metals mineralization.

5. SURVEY PROCEDURE

5.1 MAGNETOMETER SURVEY

The magnetometer survey was carried out using an ENVI MAG/VLF unit with the total magnetic field being measured and an ENVI MAG base station magnetometer for correcting magnetic drift. These are total field magnetometers which measure the magnetic field through the use of proton processional effects caused by the interaction of a magnetic field with spin aligned, proton-rich fluid. An instrument accuracy, precision and resolution of 0.1 nt may be obtained with these instruments under ideal conditions. Microprocessors contained in these instruments allow for the collection of the readings, along with the time and its position, in digital form suitable for downloading to a computer for data processing.

A total of 28.8 kilometers of mag was read and the readings were taken every 25 meters along the lines. The field measurements were corrected for diurnal variations of the earth's magnetic field by direct subtraction of the base station reading from the field readings taken at that same moment in time. The corrected magnetic data was then downloaded to a computer then plotted on the total field plot map. The magnetic survey picked up a high mag anomaly along the base line running in an east west direction although with the lines spaced at 200 meters it is hard to get a good magnetic description of the magnetic contours.

5.2 INDUCED POLARIZATION SURVEY

A total of 26 kilometers of induced polarization survey was done on the property with readings taken every 50 meters and 6 levels 1 to 6 read. The survey was a time domain pole dipole survey with a "a" spacing of 50 meters and was read with a Walcer MG-12 motor generator and a Huntec Tx Model 7500 transmitter and a Scintrex IPR-12 receiver. The motor generator and transmitter were stationary on the end of the line being read and current transmitted through a wire with an electrode driven down through the ground for a good contact and then transmitting current to that electrode from the transmitter by the transmitter man which is contact by radio to the receiver man. Ahead of the live current electrode is a crew of men driving electrodes in winter and using porous pots in summer at every station to be read and connected to the pots or electrode by length of wire from the receiver where the receiver operator picks up the readings in the receiver with the IPR-12. The data is then downloaded from the receiver at the end of the day to a computer where the resistivity and chargeability is calculated and plotted using Geosoft software for the earth sciences in pseudosection maps.

6. INTERPRETATION

The magnetic survey detected strong magnetic anomalies from line 1200W to line 800E running east west across a portion of the grid. With the lines spaced 200 meters apart it is very hard to get a proper description of the magnetic contours.

The induced polarization survey picked up anomalous zones on the south end of the grid from line 1800S to 2200S on lower levels and on 2 lines to the east as follows:

Line 1300S centered at 700W, line 1800S centered at 600W, line 1900S centered at 500W, line 2000S centered at 400W line 2100S centered at 300W, line 2200S centered at 300W and 750W, line 800E centered at 200S and 400E centered at 200S.

The induced polarization survey proved very successful in finding areas of high chargeability which merit more exploration such as drilling these high priority targets.

The induced polarization anomalies although were not very strong and also mostly on lower levels which are identical to some of the Cross Lake Discovery induced polarization survey still prove to be a worthwhile target.

The chargeability values for the anomalies are well above background and are consistent with metallic mineralization. The bulk resistivity values also, correspond to a mineralized target.

Background values between 2mV/V and 5mV/V are caused by electrolytic polarization as opposed to the combination of electrolytic and electrode polarization in the case of metallic mineralization. The resistivity plots show bulk resistivity corresponding to bedrock values. Also, for a better observation of data interpretation see maps in back of report.

7. CONCLUSIONS

With the presence of a favorable geological environment and the recent discovery of a polymetallic massive sulphide (VMS) deposit nearby by Cross Lake Minerals Limited in felsic volcanic rocks lends credence to the potential of the property hosting either a VMS or gold deposit. This considered, shows the International CanAlaska Resources Ltd., Timmins Township Property to be very favorable geological environment for the localization of economic importance. To further evaluate the property's potential, with the encouraging results of the geophysics survey the writer recommends on going work consisting of line cutting and geophysical surveys over the balance of the property not already covered.

Dan Patrie

October, 1998

LIST OF MAPS AND FIGURES

LIST OF CLAIMS

Timmins Township Claims

P1193700
P1193701
P1193702
P1193703
P1193706
P1193745
P1193746
P1193747
P1200259
P1200262
P1200267
P1200268
P1200291
P1207301
P1206912
P1212634
P1212635
P1212636
P1212637
P1193748
P1193749
P1193750
P1193533
P1193534
P1193535
P1207303
P1200280
P1200280
P1200284
P1200285
P1200290
P1200272
P1206913
P1212638
P1212639
P1212640
P1212641

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Ontario Geological Survey (1973): Precambrian Geology, Timmins-Kirkland Lake; Ont. Dept. Mines Map 2205, Compilation Series, 1"=4 miles

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PERSONNEL

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Bryan Patrie
General Delivery
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P0P 1P0

Ron Bilton
Massey, Ontario

Aron Andress
Massey, Ontario

CERTIFICATE OF QUALIFICATION

I, Daniel Patrie do hereby certify:

1. That I am a Geology and Geophysics Technologist and I reside at Hwy. 17 West, P.O. Box 45, Massey, Ont., Canada, P0P 1P0,

2. I graduated from Cambrian College Of Applied Arts and Technology, Sudbury, Ontario, in 1987 with a diploma in Geological Technology with a one year certificate in Geophysics,

3. And I have practiced my profession continuously since graduation, as well as being an active prospector since 1972.

4. That my report on the Timmins Township, Property for International CanAlaska Resources Ltd., Timmins Township, Porcupine Mining Division, Ontario, is based on my personal knowledge of the geology and geophysics of the area, and on a review of published and unpublished information on the property and surrounding area.

Daniel F. Patrie
Geology and Geophysics Technologist (Dipl. T)
October, 1998

LETTER OF CONSENT

I, Daniel F. Patrie, of the Town of Massey, Ontario, do hereby consent to International CanAlaska Resources Ltd., using in whole or in part my Geophysics report on the Timmins Township Property in a prospectus of statement of material facts or for filing with government regulatory bodies as deemed necessary.

Dated at Massey, Ontario, this 26th day of October, 1998, in the District of Sudbury.

Daniel F. Patrie

Geology and Geophysics Technologist

GEOLOGICAL REPORT

INTERNATIONAL CANALASKA RESOURCES

TIMMINS PROPERTY

NTS 42A/SE

Andrew Tims
NORTHERN MINERAL EXPLORATION SERVICES

September 6, 1998
Timmins, Ontario

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FIGURES

TABLES

MAPS

INTRODUCTION

This report presents and summarizes the results of detailed mapping carried out for International CanAlaska Resources on their Timmins property located Southeast of the city of Timmins. (Figure 1).

Mapping at a scale of 1:2 500 was carried out over the Sericite Schist showing and the Sulphide Showing to determine the nature and extend of the alteration/mineralization. A suite of samples was taken for whole rock analysis to identify any alteration signature related to a volcanogenic massive sulphide system.

LOCATION AND ACCESS

The Timmins property is located in the central portion of Timmins and Michie Townships of the Porcupine Mining Division. The property is approximately 47 kilometres Southeast of the city of Timmins on NTS sheet 42A/SE.

Access to the property is gained via the Gibson Lake Road approximately 50 kilometres east of Timmins along Highway 101. Gibson Lake Road traverses the northeastern portion of the property, crossing the properties northern boundary 24 kilometres south of Highway 101. A series of logging roads off of the Gibson Lake Road access the southern portion of the property. (Figures 1& 2)

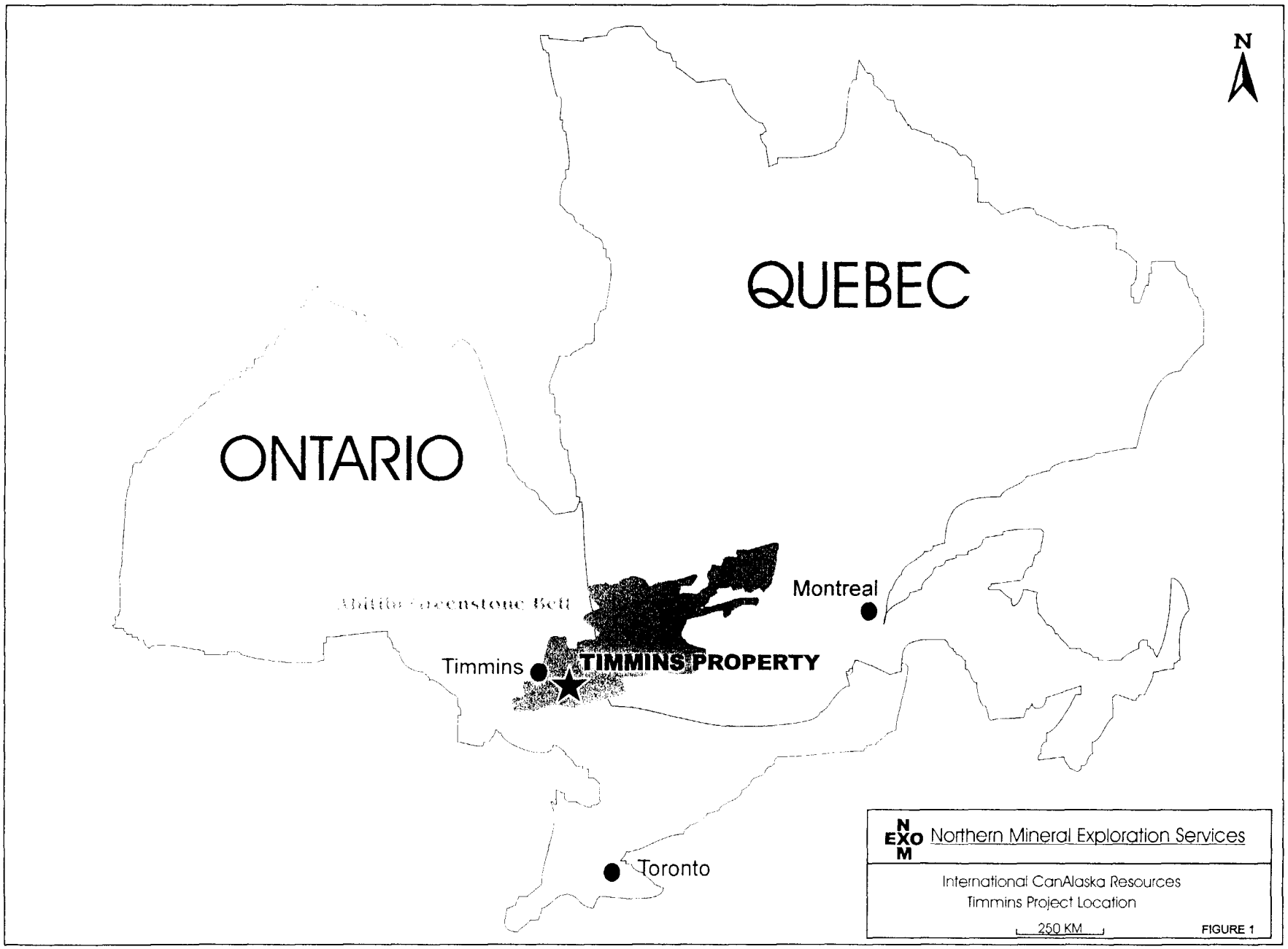
CLAIMS AND OWNERSHIP

The Timmins property consists of 49 contiguous unpatented claims, comprising approximately 9 520 hectares, in 595 claim units (Figure 2). A list of the claims is found in Table 1.

Table 1

Timmins Property Claims List

Claim Number	Units	Due Date	Township	Vendor
1193700	16	June 14, 1999	Timmins	
1193701	8	June 14, 1999	Timmins	
1193702	1	June 14, 2000	Timmins	
1193703	16	June 14, 1999	Timmins	
1193706	12	June 14, 1999	Timmins	
1193745	16	September9, 1999	Timmins	50% East-West Resources
1193746	16	September 8, 1999	Timmins	50% Canadian Golden Dragon
1193747	16	September 8, 1999	Timmins	
1193748	3	September 8, 1999	Timmins	
1193749	2	September 8, 1999	Timmins	
1193750	9	September 8, 1999	Timmins	
1207303	16	October 11, 1999	Timmins	
1193533	16	September 8, 1999	Michie	
1193534	16	September 8, 1999	Michie	
1193535	16	September 8, 1999	Michie	
1200259	16	August 24, 1999	Timmins	


N
QUEBEC
ONTARIO
Abitibi Greenstone Belt
Montreal
Timmins
TIMMINS PROPERTY
Toronto
NEXO Northern Mineral Exploration Services
International CanAlaska Resources
Timmins Project Location
250 KM
FIGURE 1

1200262	12	August 24, 1999	Timmins	
1200267	16	August 24, 1999	Timmins	
1200268	16	August 24, 1999	Timmins	
1206912	16	February 19, 1999	Timmins	
1206913	16	February 19, 1999	Timmins	100% East-West Resources
1200272	16	August 24, 1999	Timmins	
1200280	12	September 8, 1999	Timmins	
1200284	8	September 8, 1999	Timmins	
1200285	16	September 8, 1999	Timmins	
1200290	16	September 8, 1999	Timmins	
1200291	8	September 8, 1999	Timmins	
1207301	16	October 11, 1999	Timmins	
1212699	16	January 30, 2000	Timmins	
1212700	4	January 30, 2000	Timmins	
1207056	6	May 16, 2000	Timmins	
1212634	12	November 6, 1999	Michie	
1212635	16	November 6, 1999	Michie	
1212636	16	November 6, 1999	Michie	50% East-West Resources
1212637	16	November 6, 1999	Michie	50% Canadian Golden Dragon
1212638	16	November 6, 1999	Michie	
1212639	8	November 6, 1999	Michie	
1212640	8	November 6, 1999	Michie	
1212641	8	November 6, 1999	Michie	
1223685	4	July 2, 2000	Michie	
1223686	16	July 2, 2000	Michie	
1223687	16	July 2, 2000	Michie	
1223688	4	July 2, 1999	Michie	
1219496	16	July 2, 2000	Michie	~~100% Royal Oak Mines~~
1219497	16	July 2, 2000	Michie	100% International Corvalska
1212500	12	July 2, 2000	Michie	
1224292	12	July 2, 2000	Michie	
1219347	8	July 2, 2000	Michie	
1228669	4	July 2, 2000	Michie	

PREVIOUS WORK

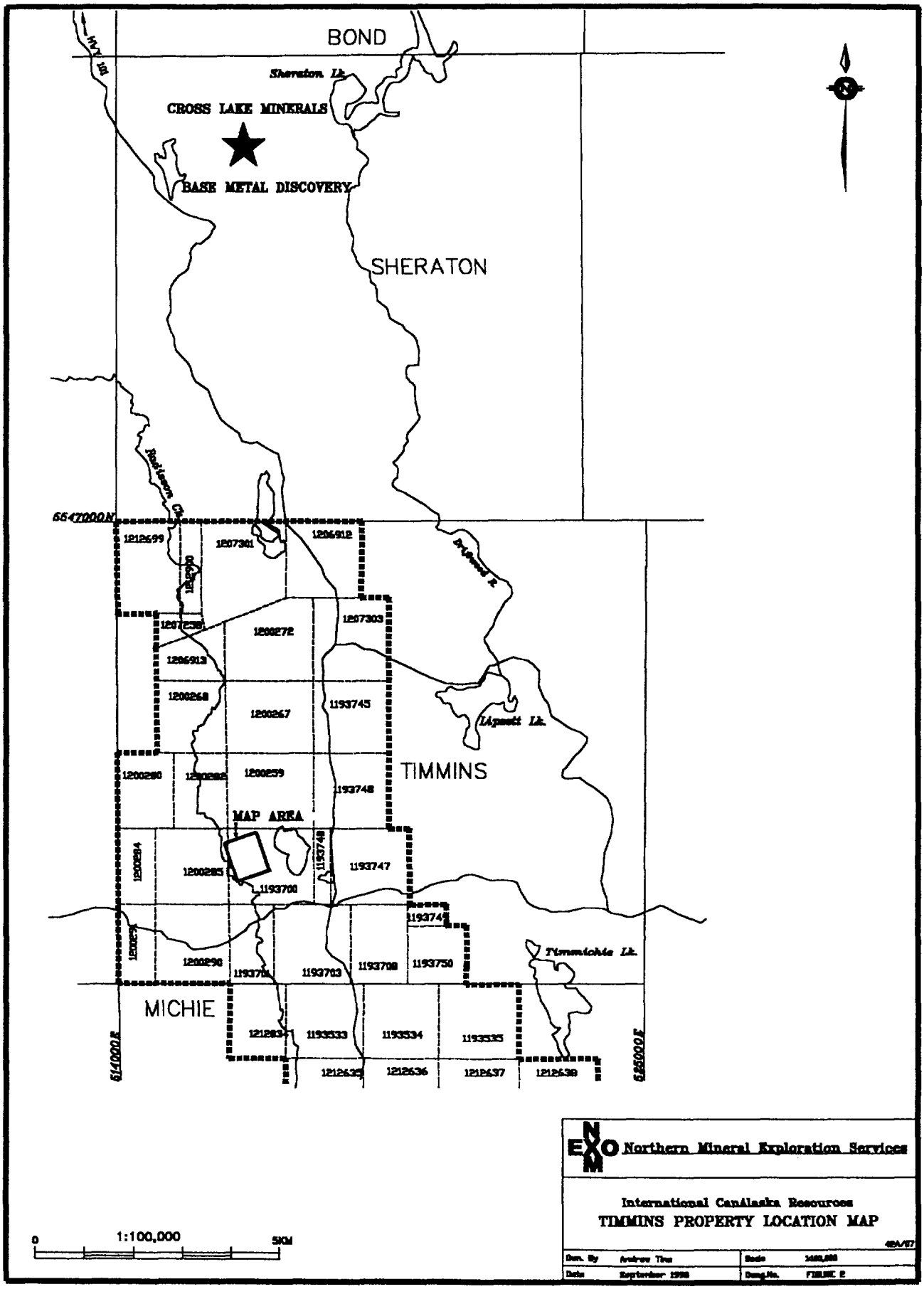
A lack of outcrop has hampered exploration in the area until:

1937 the Steven-la Casse claims, partly covering the present day claim group were staked;

1940 L.G. Berry of the Ontario Department of Mines mapped the Langmuir-Sheraton area sampling a quartz-sericite schist with pyrite mineralization in Timmins Township;

1972 Cominco completed a magnetic and VLF survey along the Sheraton-Timmins Township boundary;

1972 The Geological Survey of Canada covered the area with a reconnaissance scale Lake sediment survey;


BOND
Sheraton Lk.
CROSS LAKE MINERALS
BASE METAL DISCOVERY
SHERATON
6547000N
1212699
1207301
1206912
1207303
1200272
1206913
1200268
1200267
1193745
Lilypaid Lk.
TIMMINS
1200280
1200279
1193748
MAP AREA
1200284
1200285
1193747
1193700
1193745
Timmichida Lk.
1200290
1193703
1193708
1193750
MICHIE
1212633
1193533
1193534
1193535
1212635
1212636
1212637
1212638
614000E
650000E
0
1:100,000
5KM
Northern Mineral Exploration Services
International CanAlaska Resources
TIMMINS PROPERTY LOCATION MAP
Dwn. By
Andrew Tina
Scale
Date
September 1998
Dwg.No.

1980 The Ontario Geological Survey mapped a 6 township area including Timmins and Michie;
1983 P. Guenther staked a four-claim block west of Doughtery Lake and drilled a 53 metre hole intersecting interbedded rhyolite tuffs and flows and chloritic tuffs;
1988 P. Guenther completed a small trenching program over the claims using a portable drill and explosives;
1992 East West Resources Corp. staked the current claim block.
1993 280 kilometres of grid line, magnetic and IP surveys were carried out;
1995 Royal Oak Mines optioned the claim block and completed a total of 54.5 kilometres of IP and three DDH (TT95-1, 3,& 11) totalling 887 metres;
1996 A 'B' horizon soil sampling program of 336 soil was completed on the western half of the property with a four hole DDH program (TT96-4, 14, 25, & 6) totalling 1 198 m;
1997 An additional 135.8 kilometres of line cutting, magnetic, VLF, and Max-Min surveys were completed with a single 210 metre DDH finished on claim 1193700.

WORK PROGRAM SUMMARY

The present mapping program covered one of the few areas of bedrock exposure measuring 800m x 400m between Dougherty Lake and Radisson Creek. Work involved two days of relogging and sampling of core from holes TT96-14 & 15 at Royal Oak's core storage facility in Timmins. Textures and alteration were noted as an aid to surfacial mapping plus systematic whole rock sampling in the footwall and hangingwall of the showings was undertaken where outcrops were lacking. Where previously split, the core was quarter split with half taken for analysis. Preferred core samples were those devoid of quartz veins and mineralized fractures. Four days were spent mapping the outcropping lithologies at a scale of 1:2 500 along cut grid lines. Structural information such as bedding, foliation, and mineral lineations were collected to determine the nature of the deformational regime. The majority of the area was burned in a forest fire in August of 1997 and most of the pickets were unreadable or missing. Some pickets were readable in swampy areas and grid co-ordinates could be determined by pacing along the lines. Whole rock samples were taken where outcrops permitted and were devoid of quartz veins and weathered surfaces. Diamond drill log geology was projected up dip and integrated into the final map to help complete the geological picture.

The work was concentrated on claim 1193700. A geological map of the area about the sericite and sulphide showings is located in Appendix 1 while assay and whole rock analysis certificates are listed in Appendix 2 and 3 respectively.

A total of 19 whole rock samples (273651-273669) were taken for major oxide analysis by ICP-MS including an extended 36-element add-on package for trace elements. Three samples (274002-274004) were analyzed for Au by fire assay and AA finish. An additional sample (274001) was also assayed for gold plus a 32-element ICP-MS scan.

Core samples were split at the Royal Oak coreshack and shipped to the Chemex prep lab in Timmins by the author. All field samples were similarly delivered to the lab by the author.

REGIONAL GEOLOGY

The Timmins property is located within the Watabeag Assemblage of the Northeast trending Abitibi Subprovince. The property covers about 15 kilometres of a 5 kilometre wide Northwest trending volcanic sequence sandwiched between two granodiorite batholiths

(Blackstock and Kasba). The geological character of the Watabeag Assemblage is hampered by extensive overburden. The assemblage yields a flat aeromagnetic pattern distinct from the Kinojevis North and South Assemblages to the north and east respectively (Pye 1991). Where exposed, the assemblage is composed of interbedded mafic and felsic volcanics which have be correlated with the calc-alkalic Blake River Assemblage north of Kirkland Lake (MERQ-OGS 1983). North trending diabase dykes obliquely cut the volcanic sequence.

PROPERTY GEOLOGY

Lithology

Mapping encountered andesite flows and tuffs, sericite schist, gabbro and diabase dykes. A brief description of the units follows:

Volcanics

Most outcropping volcanic lithologies possess an uncharacteristic buff-white weathered surface. The exceptions are those outcrops with pillows and pillow breccia textures where chlorite dominates in the matrix.

Andesite Tuff/Lapilli Tuff (coded 3t,3lt) is dark green-dark grey in colour. Tuffs consist of fine-grained chlorite/biotite clots, which resemble flattened shards. The matrix is weak to moderately biotitic with trace subhedral feldspars 1-2 mm in size. Lapilli tuff and Lapilli-stone have a similar matrix but also contains up to a maximum of 40% lapilli. Some lapilli (<5%) are partially sericitized. The weathered surface of the matrix locally display Fe staining.

Andesite Flows (coded 3m, 3a, 3p and 3pb) are fine grained, dark green-grey, massive too weakly foliated and fractured. Massive flows are typically amygdaloidal and feldspar phyric with up to 8% subhedral phenocrysts. Pillows and pillow breccias units occur throughout. The amygdules are 0.25 to 1.0 centimetres in diameter, subrounded and filled with quartz. Pillows and flow top breccias possess a greater amount of chlorite to the matrix and selvages of pillow but are otherwise similar in appearance.

Sericite Schist is buff to yellow in colour, moderately to strongly foliated, dominated by up to 40% quartz and 30% sericite with variable amounts of pyrite. In drill core the unit locally contains minor fuchsite alteration with the sericite alteration occurring as bands of secondary alteration in strongly foliated intervals. A well-developed schist was noted in trenches at 0+87E/0+30N, 2+80E/1+75N and in outcrop at 0+20E/ 0+50N.

Intrusives

Gabbro (coded 7g) is grey-green in colour composed of medium to coarse grain amphibole and feldspar. The unit exhibits a weak foliation and is moderately fractured with minor brecciation.

Diabase (coded 9) dykes (Matachewan) are dark grey to black, medium too coarse grain and are weak to moderately magnetic. Topographic highs in the map area are dominated by outcropping diabase.

Structure

A pervasive penetrative foliation coplanar to lithological contacts is ubiquitous throughout the property averaging 320°/75E. A number of tight (2-3 cm) chloritic faults cut the stratigraphy at 185°/75 W. Mineral lineations plunge consistently to the Northeast between 50° and 60°.

Geochemistry

Whole rock geochemistry of outcrop and drill core was taken to: detect any alteration related to a volcanogenic massive sulphide system, determine whether the alteration about the sericite schist showing was primary or secondary, identify the original rock type and determine the probable tectonic setting of the volcanic lithologies.

Examination of the whole rock oxide data reveals that Na_2O and K_2O are present in most of the samples in above average amounts (145% & 1200% respectively) when compared to mid-oceanic basalt compositions. This contrasts with the CaO and MgO content, which is depleted by 55% from that of the average mid-oceanic basalt composition.

The volcanics typically display an uncharacteristic buff-white weathered surface and a weakly silicified groundmass. Utilizing the ternary diagram of Jensen 1976, the samples range from a calc-alkalic rhyolite to basalt (SeeAppendix 4). Since no rhyolites were encountered in outcrop or drill core, the volcanic units in the map area must have undergone a pervasive alteration characterized by a mass gain in Na_2O/K_2O and a loss in CaO/MgO. The unique weathered surface and compositions on the Jensen plot also indicate a moderate ablitization of the rocks (MNDM personnel, per. com).

The original precursor rock types were determined by plotting Zr/TiO_2 vs. Nb/Y after Winchester & Floyd 1977 (See Appendix 4). The majority of the samples plotted in the Andesite field with two samples plotting in the SubAlkaline Basalt field and two samples bordering the Dacite field.

To determine the tectonic affinity of the volcanic rocks in the map area, trace elements were normalized using an average tholeiitic mid-oceanic ridge basalt (N-MORB) composition. The normalized values for the most incompatible elements are plotted on log paper to produce a characteristic plot for the rock unit's tectonic affinity (See Appendix 4). Comparing the results to average compositions reveals that the volcanics in the map area are bimodal or transitional in nature with affinities to both calc-alkaine Oceanic Arc volcanics and within Plate volcanics (Pearse, J.A., 1996). The samples were then plotted on a Th-Ta-Hf (Wood 1980) ternary diagram to refine the tectonic setting (See Appendix 4). All but one of the samples plotted within the Volcanic Arc field or at the Volcanic Arc/Transitional field boundary. The one exception being a basalt which plotted well within the Transitional field. Andesites and basalts plotting in the Volcanic Arc and Within Plate transitional field are most likely to have erupted in some post-collision setting (Pearse, J.A., 1996) where extensive magma crust interaction was occurring.

Mineralization

The Sericite Schist showing is about 25 m wide and can be followed for about 80 metres on a trend of 326° from a trench at 0+87E/0+30N. On surface the schist contains 10 -12% fine

to medium grained disseminated pyrite throughout. In drill core sulphide mineralization within centimetre scale sericite banding consists of 5-6% disseminated pyrite plus minor pyrite/epidote/chlorite stringers within strongly foliated tuffs and flows. The style of alteration and mineralization would indicate a secondary alteration related to a subtle structure. Both surface and drill core sampling of the Sericite Schist yielded no significant gold assays.

The Sulphide showing occurs in a lapilli tuff/pillow breccia unit and was followed for about 25 metres on surface and extends 200 metres to the south in hole TT96-14 in the subsurface. In drill core the sulphide horizon is zoned with a 5-10 metre chlorite/ankerite alteration halo followed by a larger (15-20 metre) distal biotitic halo. The sulphides in drill core occur as disseminations, stringers wrapping about fragments and as 2-3 centimetre bands. The surface showing typically consists of 2-3 cm wide bands of 50-60% pyrite +/- pyrrhotite +/- quartz within a sericite rich host. Numerous cherty quartz-ankerite veins with tr-1/2 % very fine pyrite occur along the periphery of the semi-massive sulphides. Fractures along the periphery of the sulphide horizon are infilled with remobilized pyrite +/- sphalerite. Assay sampling of the Sulphide horizon in both drill core and on surface returned trace Cu and Pb values with a maximum Zn assay of 344 ppm. Gold was not detected in any of the assay samples.

The data for the mineralized samples were plotted on a Pb-Cu-Zn ternary diagram with fields from Lydon (1988) for bulk base-metal contents for sedimentary and volcanogenic massive sulphide (VMS) deposits (See Appendix 4). The base metal ratios plot well within the VMS field. Trace element data for the volcanic lithologies indicate a Volcanic Arc tectonic environment. The one sample from the Sulphide Showing was plotted on a Pb*10-Cu-Zn ternary diagram, with bulk composition fields for VMS deposits in volcanic arc settings from Fouquet et al. (1993). The sample plotted (See Appendix 4) within an Intermediate Back Arc environment synonymous with Island Arcs and Noranda-type VMS deposits (Fouquet et al. 1993) compatible with trace element data from the volcanics lithologies.

CONCLUSION AND RECOMMENDATIONS

A mixed succession of andesite and basalt flows and tuffs characterize the local geology with dacite flows becoming more prevalent in the southeastern portion of the map area. Two large diabase dykes cut the stratigraphy in a north–south orientation. Based on inspection of the whole data no depletion of NaO and K_2O is present within the volcanics that would indicate a VMS system in close proximity. The Sericite Schist showing is the result of secondary alteration about a late brittle structure. The sulphide showing occurs in a tuff/ pillow breccia unit and can be correlated with drill data over 200 m to the south. The sulphide mineralization may represent the distal facies of a volcanogenic massive sulphide horizon.

The calc-alkaline signature of the volcanics in the map area is comparable to the Blake River Assemblage, which has been interpreted to be a Transitional Arc spreading center (Jackson et al. 1991).

Further work on the Timmins property should include:

1) Undertaking a trenching program over the area of the Sulphide Showing to follow it onto the north side of the diabase dyke to determine if it is a good marker horizon;

2) As an alternative or in conjunction with the stripping program over the Sulphide Showing a 200 m drill hole should test the northern strike potential of the horizon and;
3) Complete a similar stripping program over the main Sericite Schist showing to confirm its trend and the source of the alteration;

The proposed stripping is road accessible with a source of water within two hundred metres at each site.

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STATEMENT OF QUALIFICATIONS

I, Andrew A. B. Tims, of 309 – 1214 Riverside Drive, Timmins, Ontario hereby certify that:

1.) I am the author of this report.

2.) I graduated from Carleton University, in Ottawa, with a Bachelor of Science Degree in Geology (1989).

3.) I possess a valid prospector's license and have been practising my profession for the past 10 years and have been actively involved in mineral exploration for the past 12 years.

4.) I am a member of the Canadian Institute of Mining and Metallurgy, Prospectors and Developer Association of Canada and a Fellow of the Geological Association of Canada.

5.) I do not hold or expect to receive any interest in the property described in this report.

6.) I consent to the use of this report by International CanAlaska Resources Ltd.

Timmins, Ontario
September 6, 1998

Andrew Tims
Geologist
Northern Mineral Exploration Services

APPENDIX 1-Geology Map

APPENDIX 2 - Assay Certificates

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
5175 Timberlea Blvd., Mississauga
Ontario, Canada L4W 2S3
PHONE: 905-624-2806 FAX: 905-624-6163

To: INTERNATIONAL CANALASKA RESOURCES LTD.

MEZZANINE FLOOR, 626 W. PENDER ST.
VANCOUVER, BC
V6B 1V9

Project : TIMMINS PROPERTY
Comments: ATTN: LINDSAY BOTTOMER CC: ANDREW TIMS

Page Number : 1-A
Total Pages : 1
Certificate Date: 30-AUG-1998
Invoice No. : I9828722
P.O. Number :
Account : OEY

CERTIFICATE OF ANALYSIS A9828722

SAMPLE	PREP CODE		Au ppb FA+AA	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %	Ga ppm	Hg ppm	K %	La ppm	Mg %	Mn ppm
273651	205	226	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
273652	205	226	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
273653	205	226	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
273654	205	226	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
273655	205	226	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
273656	205	226	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
273657	205	226	5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
273658	205	226	< 5	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
274001	205	226	10	0.6	0.59	52	< 10	< 0.5	< 2	0.20	< 0.5	94	96	95	>15.00	< 10	1	0.07	< 10	0.15	105

CERTIFICATION: Hartfiddler.

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers
5175 Timberlea Blvd., Mississauga
Ontario, Canada L4W 2S3
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MEZZANINE FLOOR, 626 W. PENDER ST.
VANCOUVER, BC
V6B 1V9

Project : TIMMINS PROPERTY
Comments: ATTN: LINDSAY BOTTOMER CC: ANDREW TIMS

Page Number : 1-B
Total Pages : 1
Certificate Date: 30-AUG-1998
Invoice No. : I9828722
P.O. Number :
Account : OEY

CERTIFICATE OF ANALYSIS A9828722

SAMPLE	PREP CODE		Mo ppm	Na %	Ni ppm	P ppm	Pb ppm	Sb ppm	Sc ppm	Sr ppm	Ti %	Tl ppm	U ppm	V ppm	W ppm	Zn ppm
273651	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
273652	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
273653	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
273654	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
273655	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
273656	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
273657	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
273658	205	226	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
274001	205	226	2	< 0.01	281	90	6	< 2	2	6	0.03	< 10	< 10	14	< 10	344

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

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To: INTERNATIONAL CANALASKA RESOURCES LTD.

MEZZANINE FLOOR, 626 W. PENDER ST.
VANCOUVER, BC
V6B 1V9

Project : TIMMINS
Comments: ATTN: LINDSAY BOTTOMER CC: ANDREW TIMS

Page Number :1
Total Pages :1
Certificate Date: 06-SEP-1998
Invoice No. :19829379
P.O. Number :
Account :OEY

CERTIFICATE OF ANALYSIS A9829379

SAMPLE	PREP CODE		Au ppb FA+AA
274003	205	226	< 5
274004	205	226	< 5

CERTIFICATION: Adriana Alexandru

APPENDIX 3- Whole Rock Analysis Certificates

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

5175 Timberlea Blvd., Mississauga
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PHONE: 905-624-2806 FAX: 905-624-6163

To: INTERNATIONAL CANALASKA RESOURCES LTD. -*

MEZZANINE FLOOR, 626 W. PENDER ST.
VANCOUVER, BC
V6B 1V9

Project : TIMMINS PROPERTY
Comments: ATTN: LINDSAY BOTTOMER CC: ANDREW TIMS

Page Number : 1-A
Total Pages : 1
Certificate Date: 07-SEP-1998
Invoice No. : 19828725
P.O. Number :
Account : OEY

CERTIFICATE OF ANALYSIS A9828725

SAMPLE	PREP CODE		Ba ppm	Ce ppm	Cs ppm	Co ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Gd ppm	Ga ppm	Hf ppm	Ho ppm	La ppm	Pb ppm	Lu ppm	Nd ppm	Ni ppm	Nb ppm	Pr ppm
273651	299	297	581	27.0	0.6	24.0	45	3.4	1.9	0.9	4.6	18	4	0.7	10.5	15	0.3	13.5	130	7	3.6
273652	299	297	472	36.5	1.1	43.0	55	4.0	2.4	1.5	4.8	18	4	0.8	13.0	5	0.3	22.0	215	8	5.3
273653	299	297	440	41.5	1.8	32.5	60	3.6	1.9	1.4	4.8	18	4	0.8	15.5	< 5	0.3	20.5	175	8	5.8
273654	299	297	303	41.5	0.9	22.5	30	3.5	1.9	1.4	4.9	19	5	0.7	17.0	< 5	0.3	18.0	110	7	5.2
273655	299	297	359	26.0	2.1	24.0	35	2.5	1.6	1.0	3.0	18	4	0.6	10.0	5	0.3	14.5	60	7	3.4
273656	299	297	387	69.0	1.1	26.0	35	3.9	2.3	1.8	5.7	17	4	0.7	29.0	25	0.3	31.5	85	5	8.6
273657	299	297	383	37.0	1.5	29.5	45	3.1	1.5	1.4	3.5	19	4	0.7	15.5	15	0.3	17.5	220	6	4.9
273658	299	297	513	52.0	1.6	17.0	35	3.2	2.0	1.1	4.4	18	6	0.6	23.0	< 5	0.3	21.5	55	8	6.0

CERTIFICATION:

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

5175 Timberlea Blvd., Mississauga
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To: INTERNATIONAL CANALASKA RESOURCES LTD. -*

MEZZANINE FLOOR, 626 W. PENDER ST.
VANCOUVER, BC
V6B 1V9

Project : TIMMINS PROPERTY
Comments: ATTN: LINDSAY BOTTOMER CC: ANDREW TIMS

Page Number :1-B
Total Pages :1
Certificate Date: 07-SEP-1998
Invoice No. :19828725
P.O. Number :
Account :OEY

CERTIFICATE OF ANALYSIS A9828725

SAMPLE	PREP CODE		Rb ppm	Sm ppm	Ag ppm	Sr ppm	Ta ppm	Tb ppm	Tl ppm	Th ppm	Tm ppm	Sn ppm	W ppm	U ppm	V ppm	Yb ppm	Y ppm	Zn ppm	Zr ppm
273651	299	297	25.4	4.2	5	232	0.5	0.6	< 0.5	< 1	0.3	1	< 1	< 0.5	105	1.9	18.0	65	139.0
273652	299	297	31.0	5.0	5	215	0.5	0.8	0.5	< 1	0.3	1	< 1	< 0.5	140	2.2	20.5	120	105.5
273653	299	297	45.8	4.7	4	203	0.5	0.7	1.0	< 1	0.3	1	< 1	< 0.5	120	1.9	20.0	80	141.0
273654	299	297	26.0	4.2	< 1	220	0.5	0.7	< 0.5	1	0.3	1	< 1	0.5	85	2.0	19.0	75	153.0
273655	299	297	35.0	3.1	< 1	170.0	0.5	0.5	< 0.5	< 1	0.3	1	< 1	< 0.5	115	1.9	15.5	55	135.0
273656	299	297	20.8	6.1	1	458	0.5	0.7	< 0.5	2	0.3	1	< 1	1.0	110	2.1	19.5	60	126.0
273657	299	297	32.6	3.7	< 1	194.5	0.5	0.6	< 0.5	1	0.3	1	< 1	< 0.5	90	1.7	16.5	175	118.0
273658	299	297	48.6	4.4	< 1	284	1.0	0.7	< 0.5	2	0.3	1	< 1	1.0	60	1.8	17.0	85	168.0

CERTIFICATION: Ian Ritchie

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

5175 Timberlea Blvd., Mississauga
Ontario, Canada L4W 2S3
PHONE: 905-624-2806 FAX: 905-624-6163

To: INTERNATIONAL CANALASKA RESOURCES LTD.

MEZZANINE FLOOR, 626 W. PENDER ST.
VANCOUVER, BC
V6B 1V9

Project : TIMMINS
Comments: ATTN: LINDSAY BOTTOMER

Page Number : 1-A
Total Pages : 1
Certificate Date: 07-SEP-1998
Invoice No. : I9828982
P.O. Number :
Account : OEY

CERTIFICATE OF ANALYSIS A9828982

SAMPLE	PREP CODE		Ba ppm	Ce ppm	Cs ppm	Co ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Gd ppm	Ga ppm	Hf ppm	Ho ppm	La ppm	Pb ppm	Lu ppm	Nd ppm	Ni ppm	Nb ppm	Pr ppm
273660	299	297	267	38.0	2.4	34.0	40	3.0	1.7	1.2	4.0	20	4	0.5	17.5	< 5	0.2	19.5	175	7	4.4
273661	299	297	517	38.0	3.9	29.5	45	2.8	2.0	1.1	4.1	18	4	0.6	17.0	5	0.3	18.5	115	7	4.6
273662	299	297	255	33.5	0.9	30.5	40	2.5	1.2	1.1	3.7	18	4	0.6	15.5	< 5	0.2	17.0	180	7	4.1
273663	299	297	461	48.0	1.4	20.0	35	2.8	1.7	1.2	4.7	19	5	0.7	23.5	< 5	0.2	21.0	60	8	5.2
273664	299	297	238	59.0	0.9	23.5	45	3.7	2.4	1.7	6.1	21	6	0.8	26.0	10	0.3	30.0	65	13	7.4
273665	299	297	89.5	39.0	1.0	24.5	50	3.1	2.0	1.1	4.2	17	4	0.7	19.5	< 5	0.3	19.0	120	6	4.4
273666	299	297	295	45.5	0.9	12.5	35	3.7	2.5	1.2	4.8	18	5	0.8	20.5	20	0.4	23.0	45	8	5.5
273667	299	297	302	31.5	2.0	28.0	40	2.9	2.2	1.0	3.5	17	4	0.6	15.0	< 5	0.3	16.0	70	5	3.7
273668	299	297	358	38.0	2.5	31.0	55	3.4	2.2	1.3	4.6	19	4	0.8	18.0	< 5	0.3	19.0	85	6	4.6
273669	299	297	338	47.0	1.5	46.0	65	3.8	2.0	1.4	5.6	20	5	0.7	20.5	5	0.3	25.0	225	7	5.9

CERTIFICATION: Ian Neilson

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

5175 Timberlea Blvd., Mississauga
Ontario, Canada L4W 2S3
PHONE: 905-624-2806 FAX: 905-624-6163

To: INTERNATIONAL CANALASKA RESOURCES LTD. -*

MEZZANINE FLOOR, 626 W. PENDER ST.
VANCOUVER, BC
V6B 1V9

Project : TIMMINS
Comments: ATTN: LINDSAY BOTTOMER

Page Number : 1-B
Total Pages : 1
Certificate Date: 07-SEP-1998
Invoice No. : I9828982
P.O. Number :
Account : OEY

CERTIFICATE OF ANALYSIS A9828982

SAMPLE	PREP CODE		Rb ppm	Sm ppm	Ag ppm	Sr ppm	Ta ppm	Tb ppm	Tl ppm	Th ppm	Tm ppm	Sn ppm	W ppm	U ppm	V ppm	Yb ppm	Y ppm	Zn ppm	Zr ppm
273660	299	297	34.2	4.0	< 1	258	0.5	0.5	< 0.5	1	0.3	1	< 1	0.5	120	1.4	17.0	110	192.5
273661	299	297	56.8	3.8	< 1	229	0.5	0.6	< 0.5	1	0.3	1	< 1	< 0.5	120	1.3	17.0	115	154.5
273662	299	297	21.0	3.5	< 1	315	0.5	0.6	< 0.5	< 1	0.3	< 1	< 1	< 0.5	110	1.3	16.0	125	152.5
273663	299	297	42.4	3.7	< 1	201	0.5	0.6	< 0.5	1	0.3	3	< 1	1.0	60	1.5	16.5	115	205
273664	299	297	21.6	6.2	1	372	1.0	0.9	< 0.5	1	0.3	2	< 1	0.5	80	1.7	21.0	95	230
273665	299	297	20.2	3.7	< 1	381	0.5	0.5	< 0.5	1	0.3	1	< 1	0.5	55	1.5	18.0	95	165.5
273666	299	297	41.8	4.6	< 1	151.0	0.5	0.7	0.5	1	0.4	1	< 1	0.5	70	2.1	20.0	70	191.0
273667	299	297	38.6	3.5	< 1	235	< 0.5	0.5	1.5	1	0.3	1	< 1	< 0.5	95	1.5	16.0	95	127.5
273668	299	297	37.0	3.9	< 1	322	0.5	0.7	< 0.5	1	0.3	1	< 1	0.5	110	1.9	18.5	100	159.0
273669	299	297	41.4	5.1	< 1	284	0.5	0.8	0.5	1	0.3	1	< 1	0.5	95	1.5	17.0	305	163.5

CERTIFICATION: Ian Hutchinson

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

5175 Timberlea Blvd., Mississauga
Ontario, Canada L4W 2S3
PHONE: 905-624-2806 FAX: 905-624-6163

To: INTERNATIONAL CANALASKA RESOURCES LTD. -*

MEZZANINE FLOOR, 626 W. PENDER ST.
VANCOUVER, BC
V6B 1V9

Project : TIMMINS
Comments: ATTN: LINDSAY BOTTOMER CC: ANDREW TIMS

Page Number : 1
Total Pages : 1
Certificate Date: 01-SEP-1998
Invoice No. : I9829024
P.O. Number :
Account : OEY

CERTIFICATE OF ANALYSIS A9829024

SAMPLE	PREP CODE		Al2O3 %	CaO %	Cr2O3 %	Fe2O3 %	K2O %	MgO %	MnO %	Na2O %	P2O5 %	SiO2 %	TiO2 %	LOI %	TOTAL %
273659	299	200	15.11	4.80	0.05	5.93	1.02	5.36	0.09	4.22	0.17	59.00	0.85	1.59	98.19

CERTIFICATION: Hartfichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

5175 Timberlea Blvd., Mississauga
Ontario, Canada L4W 2S3
PHONE: 905-624-2806 FAX: 905-624-6163

To: INTERNATIONAL CANALASKA RESOURCES LTD. ~*

MEZZANINE FLOOR, 626 W. PENDER ST.
VANCOUVER, BC
V6B 1V9

Project : TIMMINS
Comments: ATTN: LINDSAY BOTTOMER CC: ANDREW TIMS

Page Number : 1-A
Total Pages : 1
Certificate Date: 03-SEP-199
Invoice No. : I9829025
P.O. Number :
Account : OEY

CERTIFICATE OF ANALYSIS A9829025

SAMPLE	PREP CODE		Ba ppm	Ce ppm	Cs ppm	Co ppm	Cu ppm	Dy ppm	Er ppm	Eu ppm	Gd ppm	Ga ppm	Hf ppm	Ho ppm	La ppm	Pb ppm	Lu ppm	Nd ppm	Ni ppm	Nb ppm	Pr ppm
273659	299	297	159.5	26.0	1.9	27.5	20	2.9	1.6	0.9	2.9	16	3	0.6	10.0	< 5	0.3	11.5	145	6	2.9

CERTIFICATION: Hartfichler

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

5175 Timberlea Blvd., Mississauga
Ontario, Canada L4W 2S3
PHONE: 905-624-2806 FAX: 905-624-6163

To: INTERNATIONAL CANALASKA RESOURCES LTD.

MEZZANINE FLOOR, 626 W. PENDER ST.
VANCOUVER, BC
V6B 1V9

Project : TIMMINS
Comments: ATTN: LINDSAY BOTTOMER CC: ANDREW TIMS

Page Number :1-B
Total Pages :1
Certificate Date: 03-SEP-199
Invoice No. :I9829025
P.O. Number :
Account :OEY

CERTIFICATE OF ANALYSIS A9829025

SAMPLE	PREP CODE		Rb ppm	Sm ppm	Ag ppm	Sr ppm	Ta ppm	Tb ppm	Tl ppm	Th ppm	Tm ppm	Sn ppm	W ppm	U ppm	V ppm	Yb ppm	Y ppm	Zn ppm	Zr ppm
273659	299	297	27.8	3.0	< 1	226	0.5	0.5	< 0.5	< 1	0.2	1	< 1	< 0.5	105	1.4	15.0	110	143.0

CERTIFICATION: Hart Richlen

Chemex Labs Ltd.

Analytical Chemists * Geochemists * Registered Assayers

5175 Timberlea Blvd., Mississauga
Ontario, Canada L4W 2S3
PHONE: 905-624-2806 FAX: 905-624-6163

To: INTERNATIONAL CANALASKA RESOURCES LTD.

MEZZANINE FLOOR, 626 W. PENDER ST.
VANCOUVER, BC
V6B 1V9

Project : TIMMINS
Comments: ATTN; LINDSAY BOTTOMER

Page Number : 1
Total Pages : 1
Certificate Date: 01-SEP-199
Invoice No. : I9828979
P.O. Number :
Account : OEY

CERTIFICATE OF ANALYSIS A9828979

SAMPLE	PREP CODE		Al2O3 %	CaO %	Cr2O3 %	Fe2O3 %	K2O %	MgO %	MnO %	Na2O %	P2O5 %	SiO2 %	TiO2 %	LOI %	TOTAL %
273660	299	200	17.20	5.02	0.06	5.47	1.20	3.80	0.08	4.81	0.22	60.50	1.03	1.28	100.65
273661	299	200	15.30	5.40	0.06	7.02	2.11	4.38	0.09	2.48	0.22	59.50	0.99	1.76	99.31
273662	299	200	15.00	4.98	0.05	6.20	0.74	5.62	0.11	4.36	0.19	59.00	0.92	2.12	99.29
273663	299	200	15.22	4.61	0.03	2.80	1.51	1.15	0.04	3.95	0.17	68.00	0.70	0.95	99.13
273664	299	200	16.25	7.24	0.03	5.21	0.84	2.34	0.08	3.42	0.37	62.30	1.26	0.71	100.05
273665	299	200	14.80	5.85	0.04	6.50	0.59	3.88	0.10	4.00	0.17	62.10	0.67	0.90	99.60
273666	299	200	13.50	11.64	0.01	7.18	1.81	3.11	0.22	1.39	0.27	59.13	0.86	1.74	100.85
273667	299	200	15.20	6.71	0.02	6.58	1.29	2.96	0.10	3.07	0.15	62.00	0.75	1.32	100.15
273668	299	200	16.18	6.66	0.02	7.09	1.19	3.39	0.11	3.57	0.16	60.00	0.83	1.12	100.30
273669	299	200	15.86	4.44	0.05	7.42	1.70	2.37	0.08	3.82	0.20	60.50	0.98	2.88	100.30

CERTIFICATION: Hawthicken

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: INTERNATIONAL CANALASKA RESOURCES LTD.

MEZZANINE FLOOR, 626 W. PENDER ST.
VANCOUVER, BC
V6B 1V9

Project : TIMMINS PROPERTY
Comments: ATTN: LINDSAY BOTTOMER CC: ANDREW TIMS

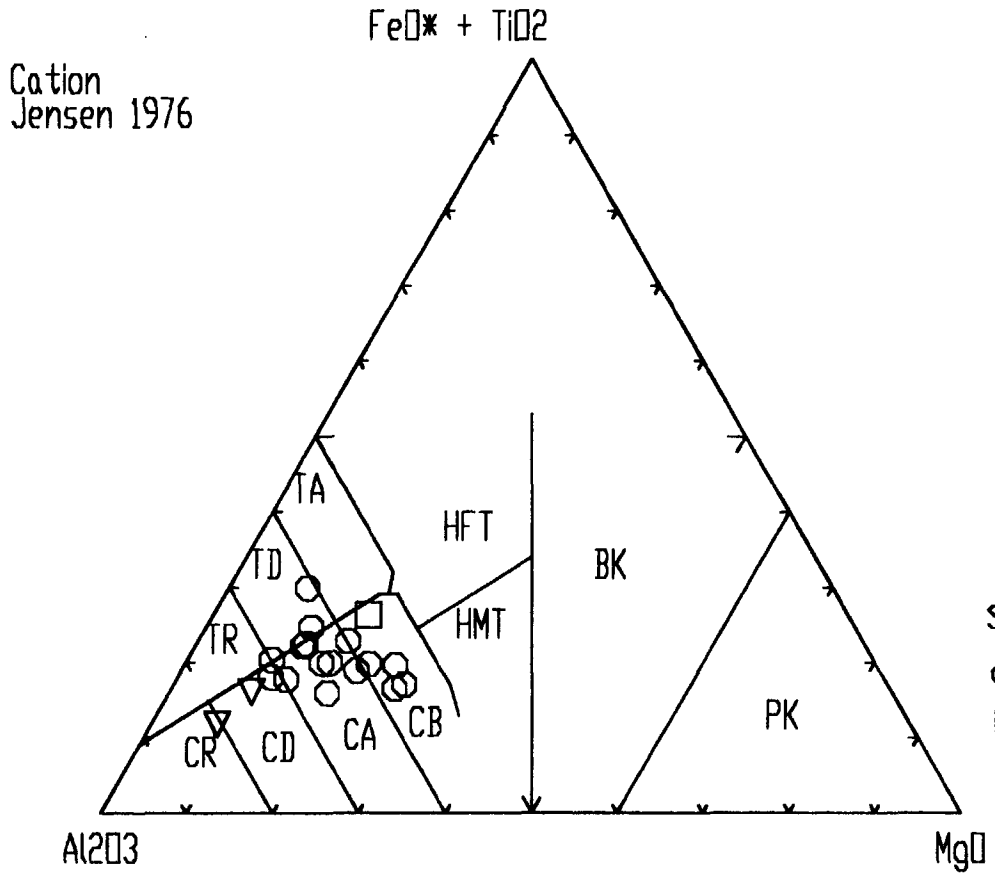
Page Number :1
Total Pages :1
Certificate Date: 02-SEP-1998
Invoice No. :I9828724
P.O. Number :
Account :OEY

CERTIFICATE OF ANALYSIS A9828724

SAMPLE	PREP CODE		Al2O3 %	CaO %	Cr2O3 %	Fe2O3 %	K2O %	MgO %	MnO %	Na2O %	P2O5 %	SiO2 %	TiO2 %	LOI %	TOTAL %
273651	299	200	14.45	4.71	0.05	7.00	0.87	5.00	0.07	4.27	0.19	57.61	0.91	3.26	98.39
273652	299	200	15.61	7.02	0.08	10.08	1.37	4.00	0.26	2.50	0.26	55.63	1.46	2.38	100.65
273653	299	200	15.37	5.49	0.06	8.23	1.95	2.34	0.19	2.20	0.23	58.10	1.10	2.33	97.59
273654	299	200	15.12	3.31	0.04	5.28	1.00	1.82	0.10	4.73	0.18	63.84	0.71	1.78	97.91
273655	299	200	16.34	4.02	0.05	6.34	1.55	1.81	0.15	4.85	0.29	63.41	1.11	1.04	100.95
273656	299	200	14.92	4.87	0.02	7.34	0.57	2.30	0.13	3.64	0.23	61.77	0.77	1.91	98.47
273657	299	200	13.11	0.30	0.06	9.17	1.11	1.56	0.05	1.90	0.13	62.85	0.86	6.48	97.58
273658	299	200	14.95	3.87	0.03	4.43	1.50	1.51	0.09	4.04	0.15	67.18	0.64	1.50	99.89

CERTIFICATION: Hawthorne

APPENDIX 4 - Geochemical Discrimination Diagrams



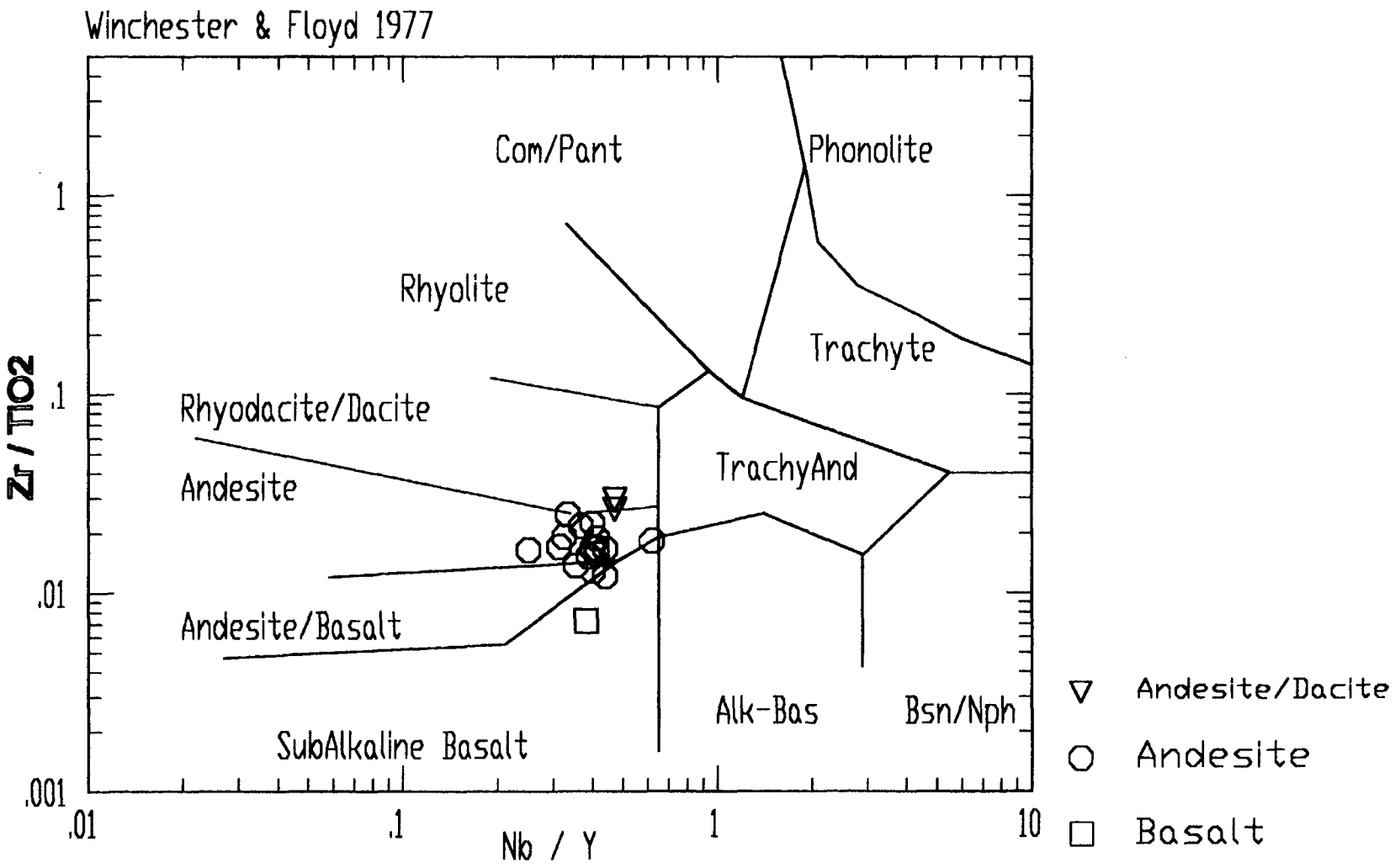
▽ Andesite/Dacite

○ Andesite

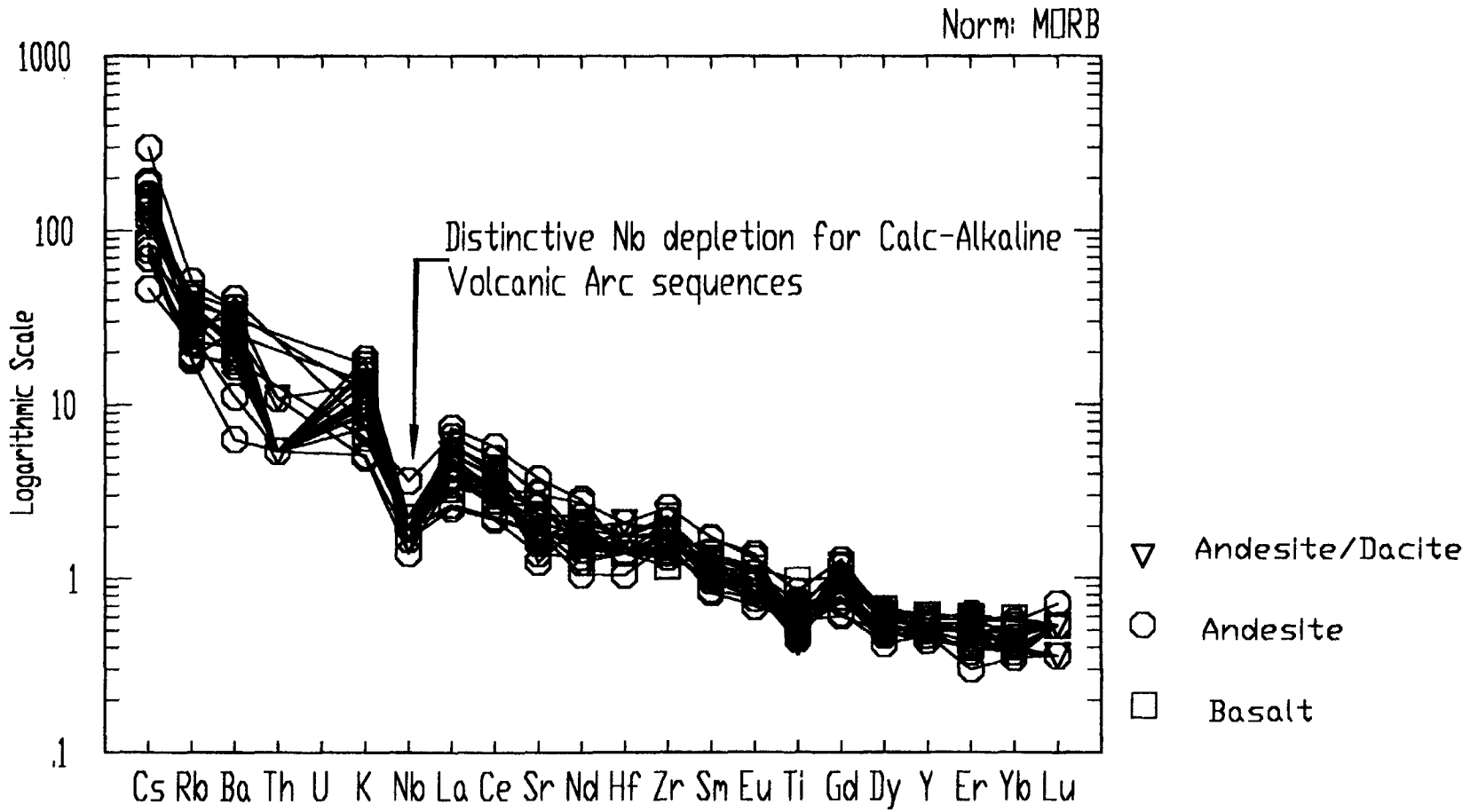
□ Basalt

Samples plot in a wide range of compositions which were not mapped in the field illustrating the degree of alteration

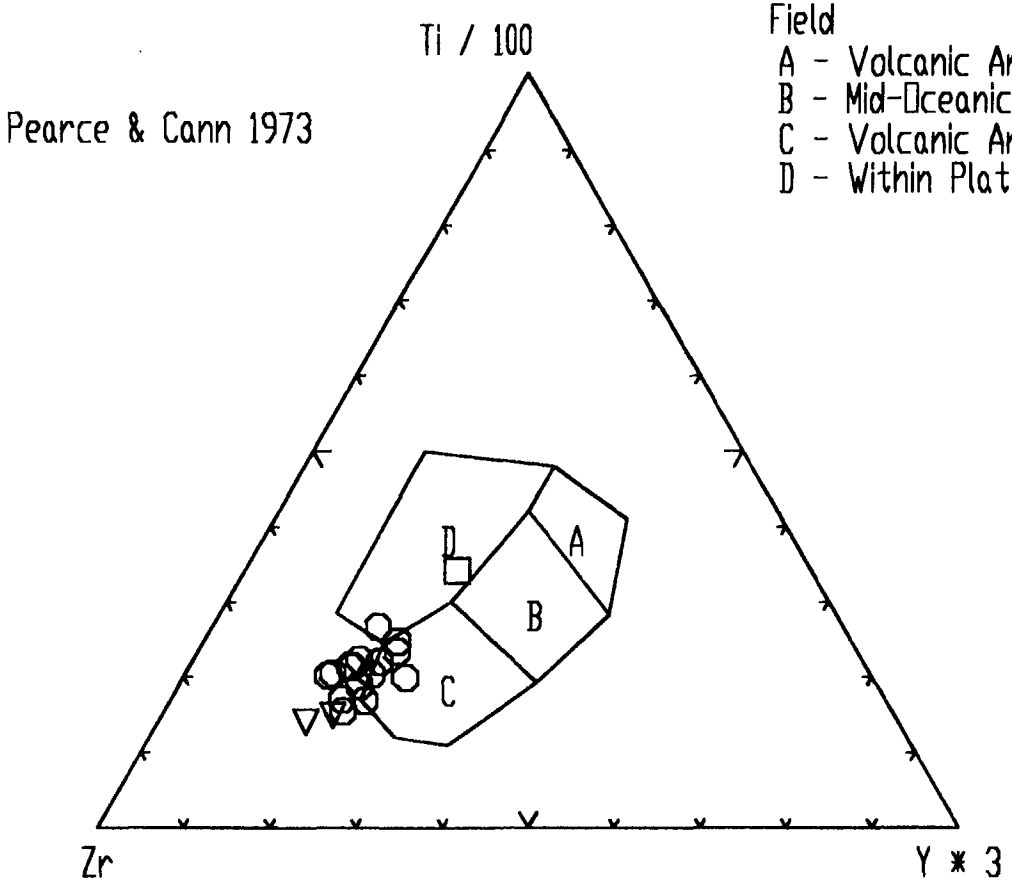
Jensen Plot for Samples taken on the Timmins Property



Winchester & Floyd, 1977 Zr/TI□2 vs. Nb/Y volcanic rock discrimination plot for Timmins property samples.



Normalized trace element pattern for samples from the Timmins property



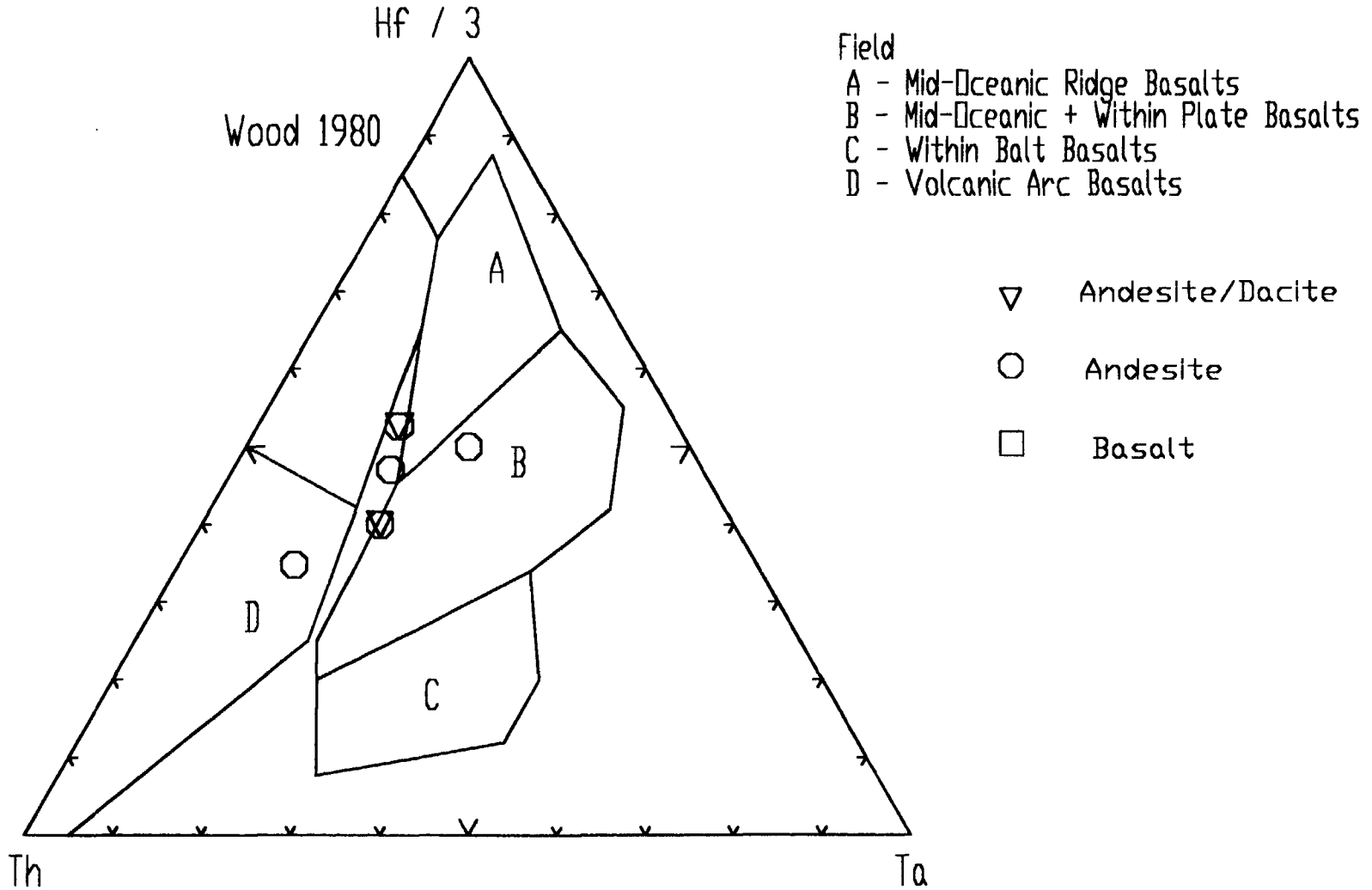
Field
A - Volcanic Arc Basalts
B - Mid-Oceanic + Volcanic Arc Basalts
C - Volcanic Arc Basalts
D - Within Plate Basalts

▽ Andesite/Dacite

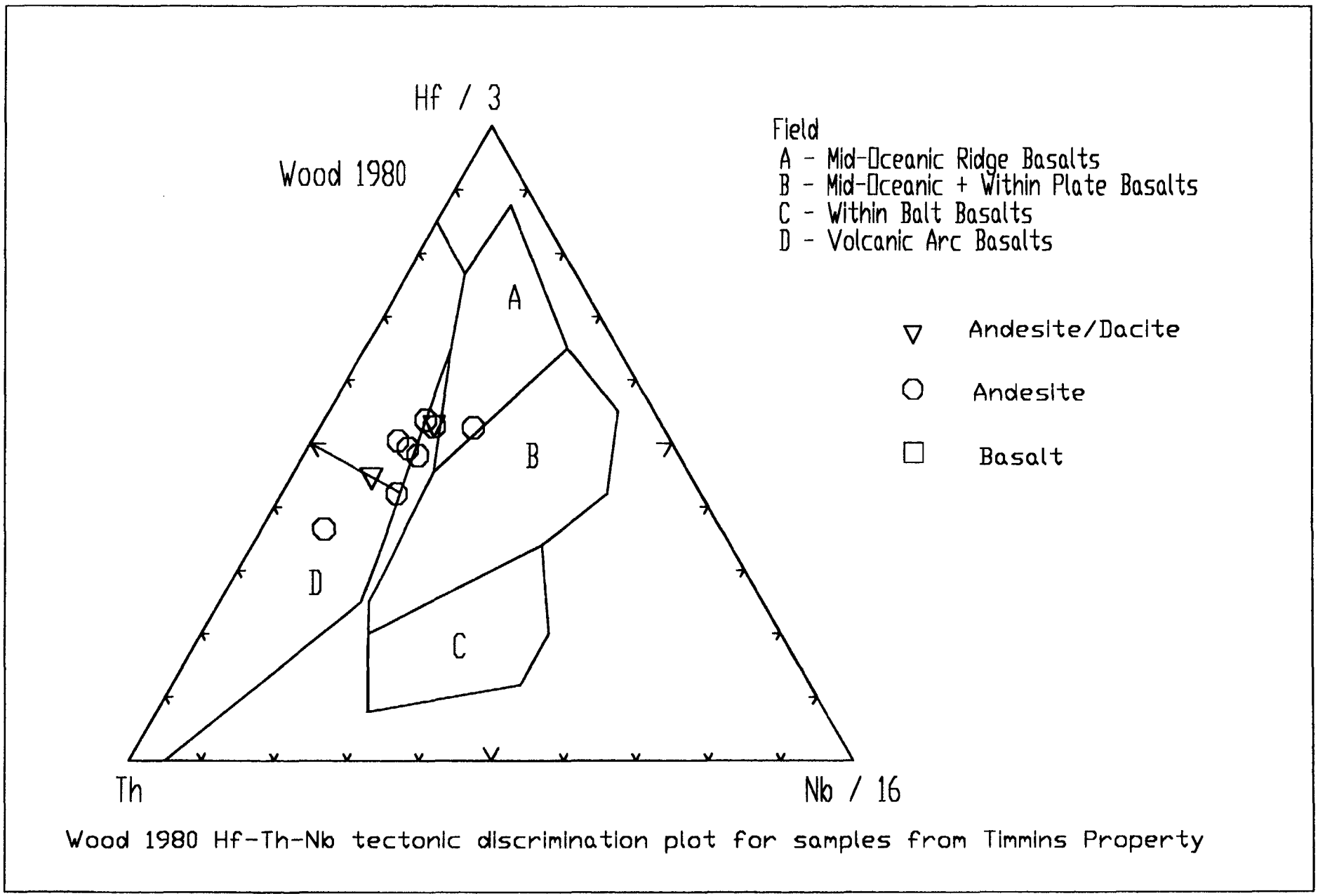
○ Andesite

□ Basalt

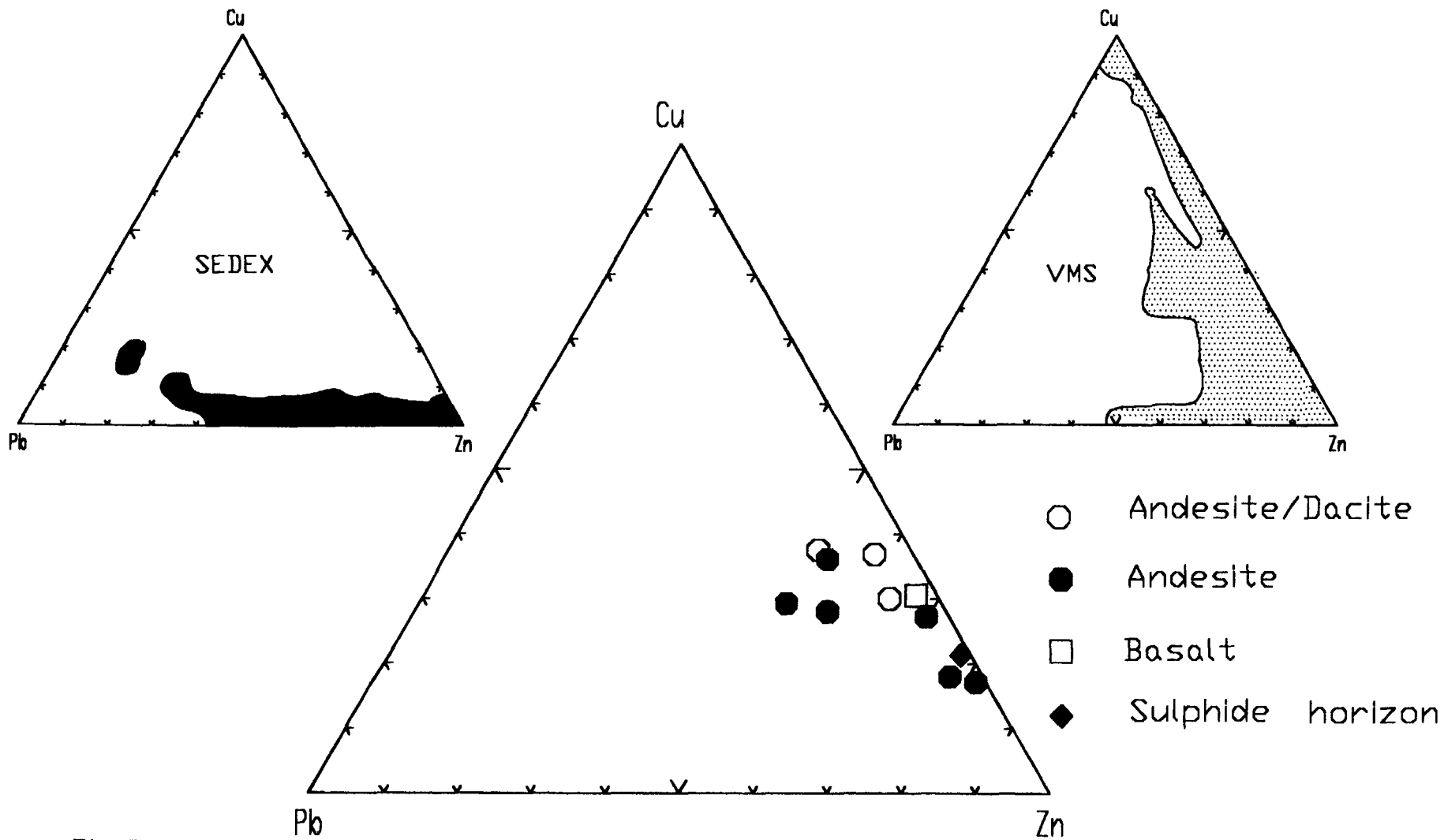
Pearce & Cann, 1973 tectonic discrimination plot
using Ti-Zr-Y for samples from Timmins Property



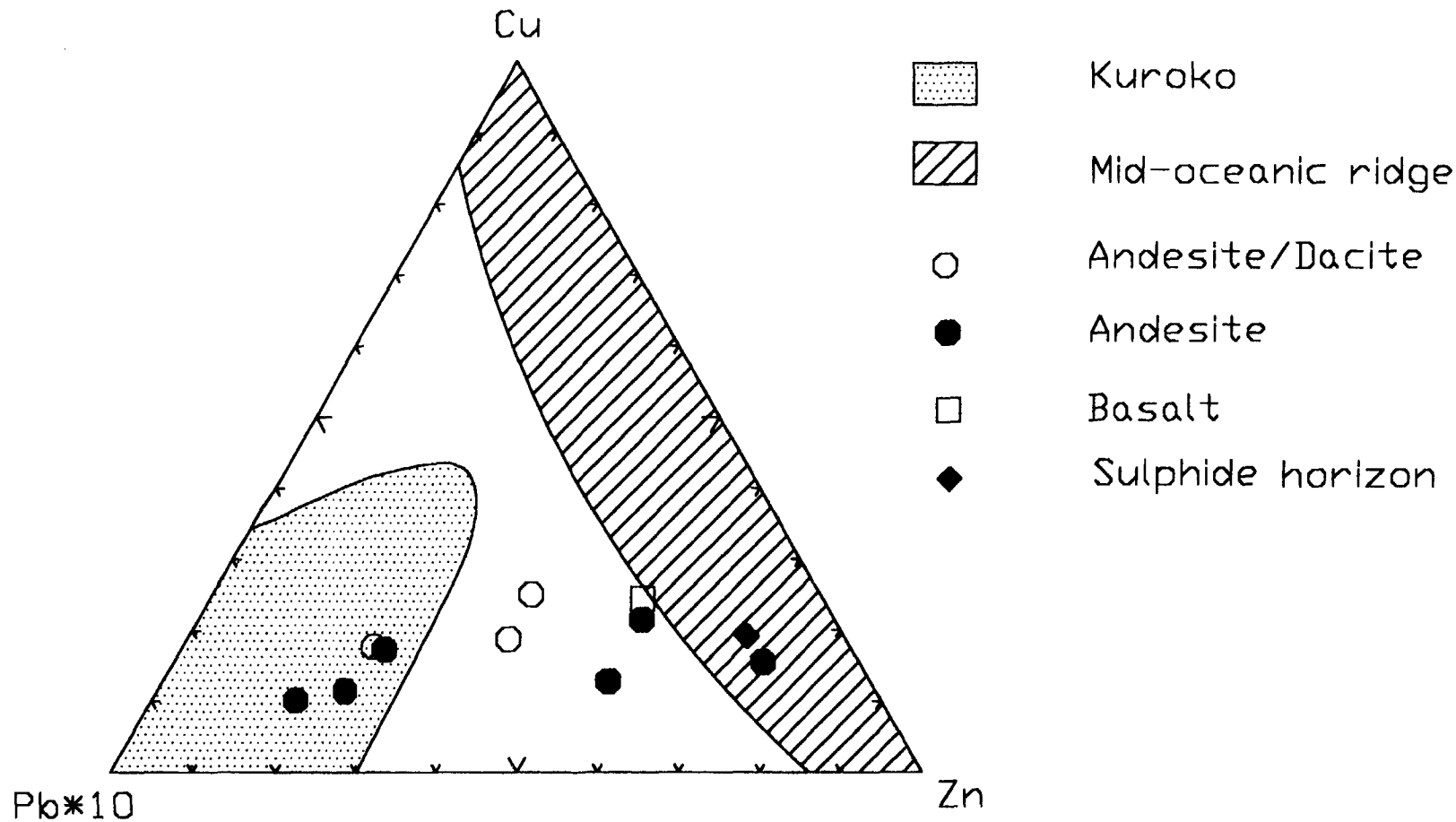
Wood 1980 Zr-Th-Nb tectonic discrimination plot for samples from Timmins Property



Wood 1980 Hf-Th-Nb tectonic discrimination plot for samples from Timmins Property

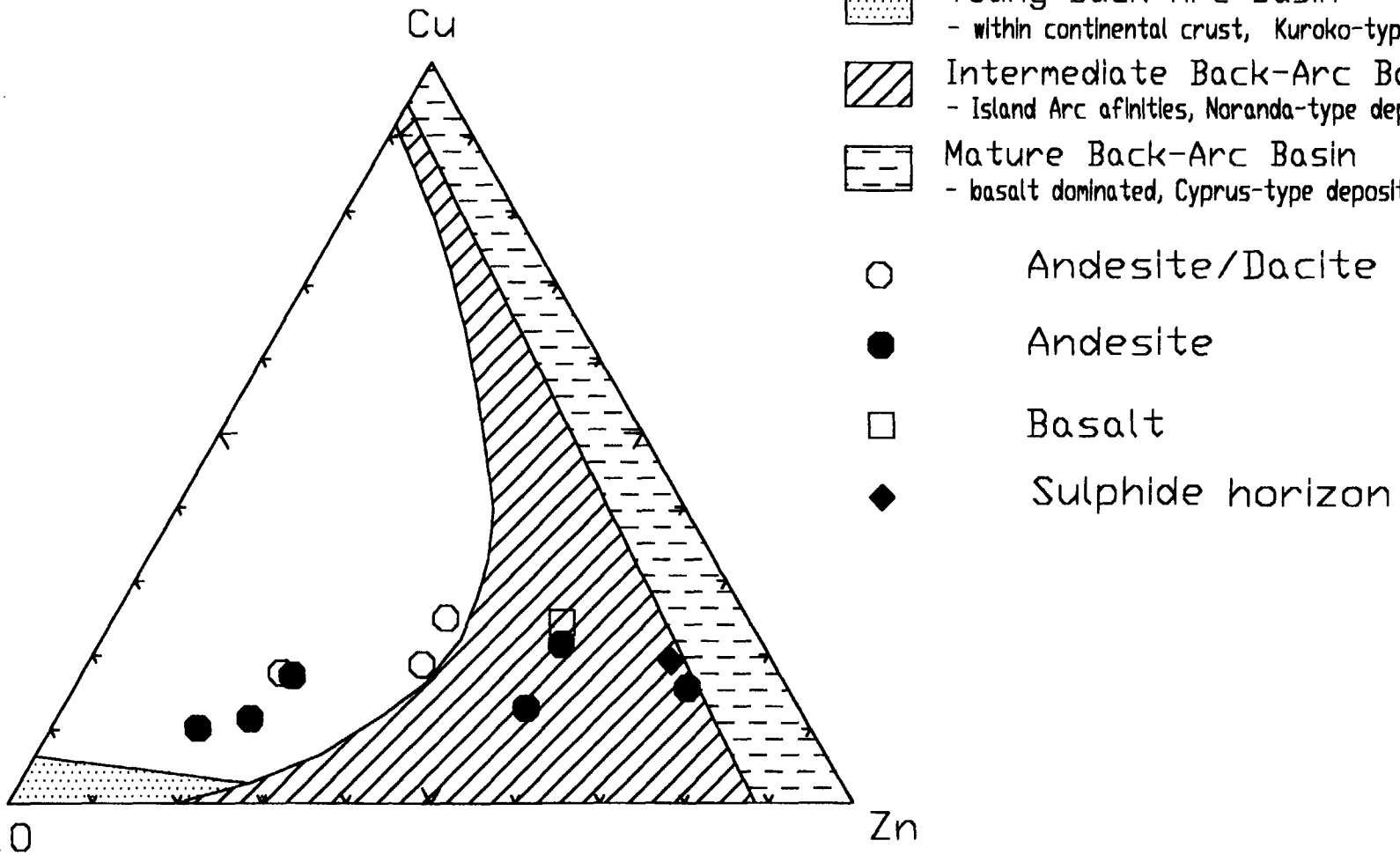


Pb-Cu-Zn ternary diagram for base metal content of samples from Timmins Property
Base metal deposit composition fields after Lydon (1996)



Pb(10x)-Cu-Zn ternary diagram for samples from Timmins Property

Bulk composition fields after Fouquet et al. (1993)



Pb(10x)-Cu-Zn ternary diagram for samples from Timmins Property

Back-Arc deposit composition fields after Fouquet et al. (1993)

Ontario Ministry of Northern Development and Mines

Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use)
W9960.00075
Assessment Files Research Imaging

42A07SE2004 2.19233 TIMMINS

900

...ions 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, this ...work and correspond with the mining land holder. Questions about this collection ...and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Instructions: - For work performed on Crown Lands before recording a claim, use form 0240.
- Please type or print in ink.

1. **Recorded holder(s)** (Attach a list if necessary)

Name PLEASE SEE "CLAIM" CLAIM OWNERSHIP LIST	Client Number
Address	Telephone Number
	Fax Number
Name	Client Number
Address	Telephone Number
	Fax Number

2. **Type of work performed:** Check (✓) and report on only ONE of the following groups for this declaration.

☑ Geotechnical: prospecting, surveys, assays and work under section 18 (regs) ☐ Physical: drilling stripping, trenching and associated assays ☐ Rehabilitation

Work Type: Line cutting, Geological Mapping, Ground Geophysics	Office Use
	Commodity
	Total $ Value of Work Claimed
Dates Work Performed From Day 05 Month 08 Year 98 To Day 15 Month 10 Year 98	NTS Reference
Global Positioning System Data (if available) Township/Area TIMMINS	Mining Division
M or G-Plan Number 42A/SE	Resident Geologist District

Please remember to: - obtain a work permit from the Ministry of Natural Resources as required;
- provide proper notice to surface rights holders before starting work;
- complete and attach a Statement of Costs, form 0212;
- provide a map showing contiguous mining lands that are linked for assigning work;
- include two copies of your technical report.

3. **Person or companies who prepared the technical report** (Attach a list if necessary)

Name PLEASE SEE ATTACHED	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number

RECEIVED
FEB 12 1999
GEOSCIENCE ASSESSMENT OFFICE

4. **Certification by Recorded Holder or Agent**

I, Tanya Downing (Print Name), do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent			Date February 10/99
Agent's Address 626 W. Pender Street Vancouver, BC V6B 1V9	Telephone Number 604-688-0041		Fax Number 604-688-2582

0241 (03/97)

Deemed May 13/99.

Ontario Ministry of Northern Development and Mines

Declaration of Assessment Work Performed on Mining Land

Mining Act, Subsection 65(2) and 66(3), R.S.O. 1990

Transaction Number (office use)
W9960.00075
Assessment Files Research Imaging

Personal information collected on this form is obtained under the authority of subsections 65(2) and 66(3) of the Mining Act. Under section 8 of the Mining Act, this information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to a Provincial Mining Recorder, Ministry of Northern Development and Mines, 3rd Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Instructions: - For work performed on Crown Lands before recording a claim, use form 0240.
- Please type or print in ink.

1. Recorded holder(s) (Attach a list if necessary)

Name PLEASE SEE "CLAIM - CLAIM OWNERSHIP LIST	Client Number
Address	Telephone Number
	Fax Number
Name	Client Number
Address	Telephone Number
	Fax Number

2. Type of work performed: Check (✓) and report on only ONE of the following groups for this declaration.

[ ] Geotechnical: prospecting, surveys, assays and work under section 18 (regs) [✓] Physical: drilling stripping, trenching and associated assays [ ] Rehabilitation

Work Type: Drilling	Office Use
	Commodity
	Total $ Value of Work Claimed 111,444.
Dates Work Performed From Day 16 Month 11 Year 98 To Day 23 Month 11 Year 98	NTS Reference
Global Positioning System Data (If available) Township/Area TIMMINS	Mining Division Porcupine
M or G-Plan Number 42A/SE	Resident Geologist District Timmins

Please remember to: - obtain a work permit from the Ministry of Natural Resources as required;
- provide proper notice to surface rights holders before starting work;
- complete and attach a Statement of Costs, form 0212;
- provide a map showing contiguous mining lands that are linked for assigning work;
- include two copies of your technical report.

3. Person or companies who prepared the technical report (Attach a list if necessary)

Name PLEASE SEE ATTACHED LIST.	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number
Name	Telephone Number
Address	Fax Number

RECEIVED
FEB 12 1999
GEOSCIENCE ASSESSMENT OFFICE

4. Certification by Recorded Holder or Agent

I, Tanya Downing (Print Name), do hereby certify that I have personal knowledge of the facts set forth in this Declaration of Assessment Work having caused the work to be performed or witnessed the same during or after its completion and, to the best of my knowledge, the annexed report is true.

Signature of Recorded Holder or Agent			Date January 10/99
Agent's Address 626 W. Pender Street Vancouver, BC V6B 1V9	Telephone Number 604-688-2582		Fax Number 604-688-2582

0241 (03/97)

CLAIM AND CLAIM OWNERSHIP LIST

- **CLAIMS HELD BY EAST WEST RESOURCE CORPORATION**
- INTERNATIONAL CANALASKA RESOURCES LTD. CAN EARN 50%
- TIMMINS/MICHIE TOWNSHIPS - PORCUPINE MINING DISTRICT

P1193700	P1193748
P1193701	P1193749
P1193702	P1193750
P1193703	P1193533
P1193706	P1193534
P1193745	P1193535
P1193746	P1207303
P1193747	
P1200259	P1200280
P1200262	P1200284
P1200267	P1200285
P1200268	P1200290
P1200291	P1200272
P1207301	P1206913
P1206912	
P1212634	P1212638
P1212635	P1212639
P1212636	P1212640
P1212637	P1212641

- **CLAIMS HELD BY INTERNATIONAL CANALASKA RESOURCES LTD.**
- TIMMINS/MICHIE TOWNSHIPS - PORCUPINE MINING DISTRICT
- NORDICA TOWNSHIP/LARDER LAKE MINING DISTRICT

P1212699	P1212700
P1207056	P1219347
P1219496	P1219497
P1219500	P1223685
P1223686	P1223687
P1223688	P1224292
L1228669	

ADDRESSES OF CLAIM HOLDERS

INTERNATIONAL CANALASKA RESOURCES LTD.- CLIENT #303686
Mezzanine Level - 626 West Pender Street
Vancouver, B.C. V6B 1B9 PH:604-688-0041 FAX:604-688-2582

EAST WEST RESOURCE CORPORATION - CLIENT #128645
203-960 Richards Street
Vancouver, B.C. V6B 3C1 PH: not listed FAX:604-689-5930

Work to be recorded and distributed. Work can only be assigned to claims that are contiguous (adjoining) to the mining nd where work was performed, at the time work was performed. A map showing the contiguous link must accompany thi nn. ✓ W9960.00075 1 of 3

ining Claim Number. Or if rk was done on other eligible ining land, show in this umn the location number dicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date
TB 7827	16 ha	$28,825	N/A	$24,000	$2,825
1234567	12	0	$24,000	0	0
1234568	2	$ 8,892	$ 4,000	0	$4,892
P1212699	16	349.	6,400	Ø	Ø
P1212700	4	1693	1,600	93	Ø
P1207301	16	11,825	4749	7076	Ø
P1206912	16	31,497	6,400	25,097	Ø
P1207056	5	2,942	2,000	942	Ø
P1206913	16	831	6,400	Ø	Ø
P1200272	16	2563	Ø	2,563	Ø
P1207303	16	23944	4,787	18,157	Ø
P1193700	16	19,640	1,016	18,624	Ø
P1200259	16	17,160	Ø	17,160	Ø
Column Totals	137	111,444	33,352	89,712	Ø

I, Taryn Downing (Print Full Name), do hereby certify that the above work credits are eligible unde subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing | Date February 10, 1999.

6. Instructions for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- ☐ 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- ☐ 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- ☐ 3. Credits are to be cut back equally over all claims listed in this declaration; or
- ☑ 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

latest expiry dates (ie. May/June) to be cut first.

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

For Office Use Only

Received Stamp	Deemed Approved Date	Date Notification Sent
	Date Approved	Total Value of Credit Approved
	Approved for Recording by Mining Recorder (Signature)	

0241 (96/07)

RECEIVED
FEB 12 1999
GEOSCIENCE ASSESSMENT OFFICE

Work to be recorded and distributed. Work can only be assigned to claims that are contiguous (adjoining) to the mining where work was performed, at the time work was performed. A map showing the contiguous link must accompany this.

W9960.00075

273

ng Claim Number. Or if was done on other eligible ing land, show in this mn the location number cated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date
TB 7827	16 ha	$26,825	N/A	$24,000	$2,825
1234567	12	0	$24,000	0	0
1234568	2	$ 8,892	$ 4,000	0	$4,892
P1212634	12	Ø	3590	Ø	Ø
P1212635	16	Ø	4787	Ø	Ø
P1212636	16	Ø	4787	Ø	Ø
P1212637	16	Ø	4787	Ø	Ø
P1212638	16	Ø	4787	Ø	Ø
P1212639	8	Ø	2394	Ø	Ø
P1212640	8	Ø	2394	Ø	Ø
P1212641	8	Ø	2394	Ø	Ø
Column Totals	100	Ø	29,920	Ø	Ø

I, Taryn Downing (Print Full Name), do hereby certify that the above work credits are eligible under subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing — Date: February 10, 1999.

6. Instructions for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish to prioritize the deletion of credits:

- ☐ 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- ☐ 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- ☐ 3. Credits are to be cut back equally over all claims listed in this declaration; or
- ☑ 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

latest expiry dates (ie. May 99/June 99) to be cut first

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

For Office Use Only

Received Stamp

RECEIVED
FEB 12 1999
GEOSCIENCE ASSESSMENT OFFICE

Deemed Approved Date	Date Notification Sent
Date Approved	Total Value of Credit Approved
Approved for Recording by Mining Recorder (Signature)	

0241 (03/97)

Work to be recorded and distributed. Work can only be assigned to claims that are contiguous (adjoining) to the minir
nd where work was performed, at the time work was performed. A map showing the contiguous link must accompany th
nn. W9960.00075 373.

	Mining Claim Number. Or if work was done on other eligible mining land, show in this column the location number indicated on the claim map.	Number of Claim Units. For other mining land, list hectares.	Value of work performed on this claim or other mining land.	Value of work applied to this claim.	Value of work assigned to other mining claims.	Bank. Value of work to be distributed at a future date
1	TB 7827	16 ha	$26,625	N/A	$24,000	$2,625
2	1234567	12	0	$24,000	0	0
3	1234568	2	$ 8,892	$ 4,000	0	$4,892
	P1193533	16	Ø	4787	Ø	Ø
	P1193534	16	Ø	4788	Ø	Ø
	P1193535	16	Ø	4788	Ø	Ø
	P1193746	16	Ø	4787	Ø	Ø
	P1193747	16	Ø	4787	Ø	Ø
	P1193748	3	Ø	898	Ø	Ø
	P1193749	2	Ø	598	Ø	Ø
	P1200280	12	Ø	3590	Ø	Ø
	P1200284	8	Ø	2394	Ø	Ø
10	P1200285	16	Ø	4787	Ø	Ø
11	P1200290	16	Ø	4787	Ø	Ø
12	P1200291	8	Ø	2394	Ø	Ø
13	P1193745	16.	Ø	4787	Ø	Ø
14						
15						
	Column Totals	161	Ø	48,172	Ø	Ø

I, Tanya Downing (Print Full Name), do hereby certify that the above work credits are eligible und
subsection 7 (1) of the Assessment Work Regulation 6/96 for assignment to contiguous claims or for application to the claim
where the work was done.

Signature of Recorded Holder or Agent Authorized in Writing	Date
	February 10, 1999

6. Instructions for cutting back credits that are not approved.

Some of the credits claimed in this declaration may be cut back. Please check (✓) in the boxes below to show how you wish t
prioritize the deletion of credits:

- ☐ 1. Credits are to be cut back from the Bank first, followed by option 2 or 3 or 4 as indicated.
- ☐ 2. Credits are to be cut back starting with the claims listed last, working backwards; or
- ☐ 3. Credits are to be cut back equally over all claims listed in this declaration; or
- ☑ 4. Credits are to be cut back as prioritized on the attached appendix or as follows (describe):

hotest expiry dates (ie May, June 99) to be cut first.

Note: If you have not indicated how your credits are to be deleted, credits will be cut back from the Bank first, followed by option number 2 if necessary.

For Office Use Only

Received Stamp	Deemed Approved Date	Date Notification Sent
RECEIVED FEB 12 1999 GEOSCIENCE ASSESSMENT OFFICE	Date Approved	Total Value of Credit Approved
	Approved for Recording by Mining Recorder (Signature)	

0241 (96/07)

Ontario Ministry of Northern Development and Mines

Statement of Costs for Assessment Credit

Transaction Number (office use): W9960.00075

Personal information collected on this form is obtained under the authority of subsection 6(1) of the Assessment Work Regulation 6/96. Under section 8 of the Mining Act, the information is a public record. This information will be used to review the assessment work and correspond with the mining land holder. Questions about this collection should be directed to the Chief Mining Recorder, Ministry of Northern Development and Mines, 6th Floor, 933 Ramsey Lake Road, Sudbury, Ontario, P3E 6B5.

Work Type	Units of Work Depending on the type of work, list the number of hours/days worked, metres of drilling, kilometres of grid line, number of samples, etc.	Cost Per Unit of work	Total Cost
LINECUTTING	44.2 LINE KM	394.57/line km	17440.00
GROUND GEOPHYSICAL	MAG - 28.8 LINE KM	457.30/line km	25060.00
SURVEY (IP + MAGS)	IP - 26.0 LINE KM		
INTERPRETATION OF	3 DAYS		1500.00
GROUND GEOPHYSICS			
GEOLOGICAL MAPPING	4.0 LINE KM	1470.96/line km	5883.86
DIAMOND DRILLING	5 HOLES/937 M.	65.70/metre	61,560.44
Associated Costs (e.g. supplies, mobilization and demobilization).			
Transportation Costs			
Food and Lodging Costs			
		Total Value of Assessment Work	111,444.30

RECEIVED
FEB 12 1999
GEOSCIENCE ASSESSMENT OFFICE

Calculations of Filing Discounts:

1. Work filed within two years of performance is claimed at 100% of the above Total Value of Assessment Work.
2. If work is filed after two years and up to five years after performance, it can only be claimed at 50% of the Total Value of Assessment Work. If this situation applies to your claims, use the calculation below:

TOTAL VALUE OF ASSESSMENT WORK × 0.50 = Total $ value of worked claimed.

Note:
- Work older than 5 years is not eligible for credit.
- A recorded holder may be required to verify expenditures claimed in this statement of costs within 45 days of a request for verification and/or correction/clarification. If verification and/or correction/clarification is not made, the Minister may reject all or part of the assessment work submitted.

Certification verifying costs:

I, Tonya Downey (please print full name), do hereby certify, that the amounts shown are as accurate as may reasonably be determined and the costs were incurred while conducting assessment work on the lands indicated on the accompanying Declaration of Work form as Corporate Secretary (recorded holder, agent, or state company position with signing authority) I am authorized to make this certification.

Signature: Downey Date: February 10/99

0212 (02/96)

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des Mines

Ontario

Geoscience Assessment Office
933 Ramsey Lake Road
6th Floor
Sudbury, Ontario
P3E 6B5

Telephone: (888) 415-9846
Fax: (877) 670-1555

Visit our website at:
www.gov.on.ca/MNDM/MINES/LANDS/mlsmnpge.htm

May 7, 1999

Taryn Downing
INTERNATIONAL CANALASKA RESOURCES LTD.
626 WEST PENDER STREET
MEZZANINE FLOOR
VANCOUVER, B.C.
V6B-1V9

Dear Sir or Madam:

Submission Number: 2.19233

Status

Subject: Transaction Number(s): W9960.00075 Approval

We have reviewed your Assessment Work submission with the above noted Transaction Number(s). The attached summary page(s) indicate the results of the review. WE RECOMMEND YOU READ THIS SUMMARY FOR THE DETAILS PERTAINING TO YOUR ASSESSMENT WORK.

If the status for a transaction is a 45 Day Notice, the summary will outline the reasons for the notice, and any steps you can take to remedy deficiencies. The 90-day deemed approval provision, subsection 6(7) of the Assessment Work Regulation, will no longer be in effect for assessment work which has received a 45 Day Notice. Allowable changes to your credit distribution can be made by contacting the Geoscience Assessment Office within this 45 Day period, otherwise assessment credit will be cut back and distributed as outlined in Section #6 of the Declaration of Assessment work form.

Please note any revisions must be submitted in DUPLICATE to the Geoscience Assessment Office, by the response date on the summary.

If you have any questions regarding this correspondence, please contact Lucille Jerome by e-mail at lucille.jerome@ndm.gov.on.ca or by telephone at (705) 670-5858.

Yours sincerely,

ORIGINAL SIGNED BY
Blair Kite
Supervisor, Geoscience Assessment Office
Mining Lands Section

Correspondence ID: 13708

Copy for: Assessment Library

Work Report Assessment Results

Submission Number: 2.19233

Date Correspondence Sent: May 07, 1999 **Assessor:** Lucille Jerome

Transaction Number	First Claim Number	Township(s) / Area(s)	Status	Approval Date
W9960.00075	1212700	TIMMINS	Approval	May 07, 1999

Section:
14 Geophysical MAG
14 Geophysical IP
12 Geological GEOL
16 Drilling PDRILL

Although this work was approved, please note that linecutting can only be claimed for assessment work credit if a subsequent geotechnical survey is performed and reported on the cut lines. In this case, the costs of linecutting, geophysical and geological surveys and diamond drilling were within the Industry Standards and as such no reduction occurred on this submission. In future submissions, linecutting not accompanied by a geotechnical survey may be cut-back.

Assessment work credit has been redistributed, as outlined on the attached Distribution of Assessment Work Credit sheet, to better reflect the location of the work.

Correspondence to:

Resident Geologist
South Porcupine, ON

Assessment Files Library
Sudbury, ON

Recorded Holder(s) and/or Agent(s):

Taryn Downing
INTERNATIONAL CANALASKA RESOURCES LTD.
VANCOUVER, B.C.

EAST WEST RESOURCE CORPORATION
VANCOUVER, BC

Distribution of Assessment Work Credit

The following credit distribution reflects the value of assessment work performed on the mining land(s).

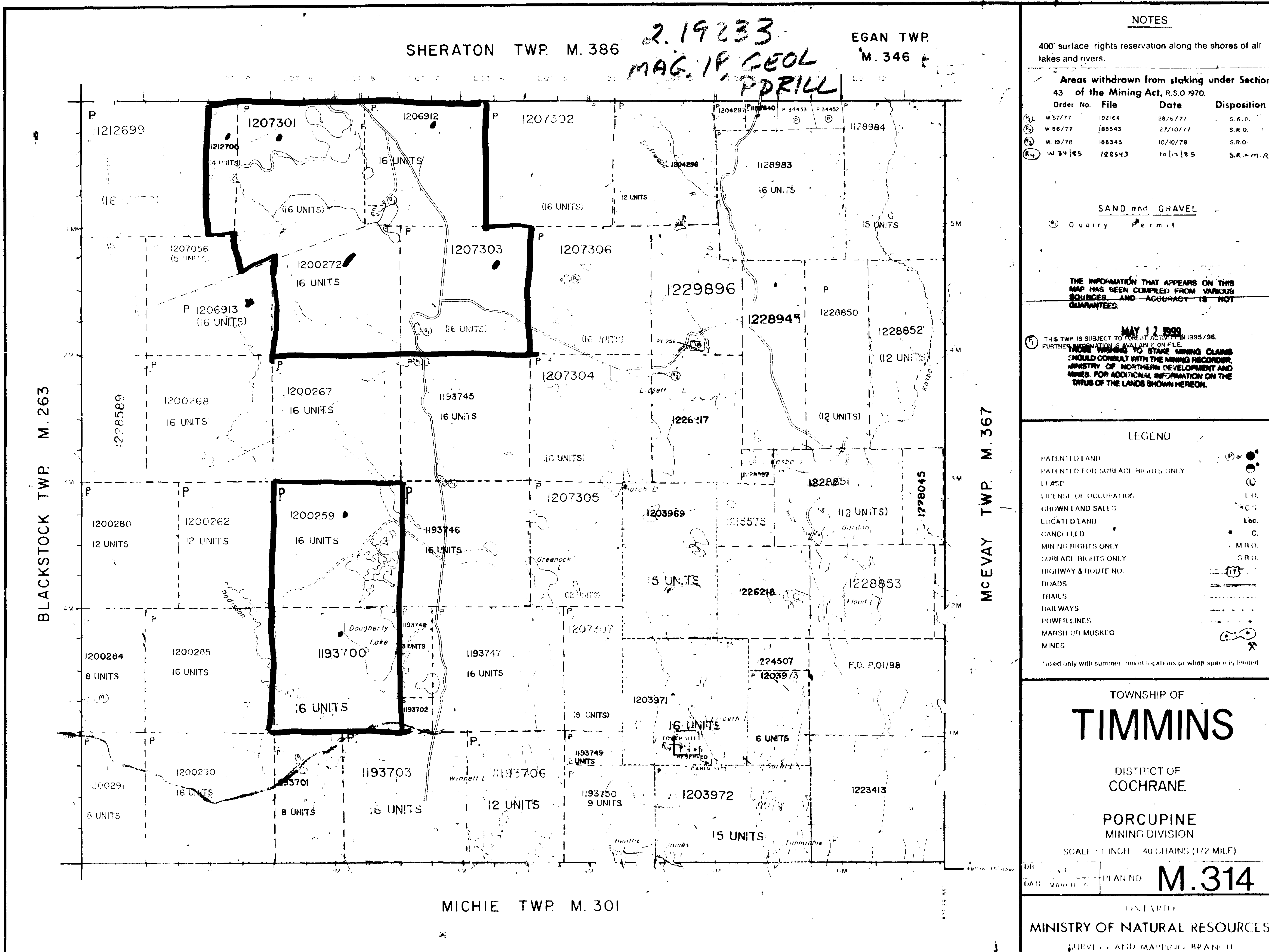
Date: May 07, 1999

Submission Number: 2.19233

Transaction Number: W9960.00075

Claim Number	Value Of Work Performed
1212699	0.00
1212700	2,044.00
1207301	11,800.00
1206912	32,000.00
1207056	0.00
1206913	0.00
1200272	2,600.00
1207303	24,500.00
•1193700	20,500.00
1200259	18,000.00
Total: $	111,444.00

Correspondence ID: 13708


2.19233
MAG, IP, GEOL, PDRILL
SHERATON TWP. M. 386
EGAN TWP. M. 346
BLACKSTOCK TWP. M. 263
MCEVAY TWP. M. 367
MICHIE TWP. M. 301
1212699
1207301
1212700 (4 UNITS)
1206912
16 UNITS
(16 UNITS)
1207302
12 UNITS
1128983
16 UNITS
1128984
15 UNITS
1207056 (5 UNITS)
1200272
1207303
1207306
1229896
1228945
1228850
1228852 (12 UNITS)
P 1206913 (16 UNITS)
1228589
1200268
1200267
1193745
1207304
1226217
(12 UNITS)
1200280
12 UNITS
1200262
1200259
1193746
1207305
1203969
1228851
(12 UNITS)
1228045
1228853
1226218
Greenock L
Dougherty Lake
1200284
8 UNITS
1200285
1193748
1193700
1193747
1207307
1224507
1203973
F.O. P.01/98
1203971
6 UNITS
1193702
1200290
1200291
1193701
1193703
1193706
1193749
1193750 9 UNITS
1203972
1223413
15 UNITS
Winnett L
NOTES
400' surface rights reservation along the shores of all lakes and rivers.
Areas withdrawn from staking under Section 43 of the Mining Act, R.S.O. 1970.
Order No. | File | Date | Disposition
W.57/77 | 192164 | 28/6/77 | S.R.O.
W.86/77 | 188543 | 27/10/77 | S.R.O.
W.19/78 | 188543 | 10/10/78 | S.R.O.
W 34/85 | 188543 | 10/11/85 | S.R.+M.R.
SAND and GRAVEL
Quarry Permit
THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED.
MAY 12 1999
THIS TWP. IS SUBJECT TO FOREST ACTIVITY IN 1995/96. FURTHER INFORMATION IS AVAILABLE ON FILE.
THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.
LEGEND
PATENTED LAND
PATENTED FOR SURFACE RIGHTS ONLY
LEASE
LICENSE OF OCCUPATION
CROWN LAND SALES
LOCATED LAND
CANCELLED
MINING RIGHTS ONLY
SURFACE RIGHTS ONLY
HIGHWAY & ROUTE NO.
ROADS
TRAILS
RAILWAYS
POWER LINES
MARSH OR MUSKEG
MINES
TOWNSHIP OF
TIMMINS
DISTRICT OF
COCHRANE
PORCUPINE
MINING DIVISION
SCALE: 1 INCH = 40 CHAINS (1/2 MILE)
PLAN NO. M.314
ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

THE INFORMATION THAT APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MINING CLAIMS SHOULD CONSULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOPMENT AND MINES, FOR ADDITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

M.314

TIMMINS TWP.

M.314

42A07SE2004 2.19233 TIMMINS 200

WARNER LAKE

SHERATON TWP.
TIMMINS TWP.

1212699

1207301

1212700

SWAMP

RIVER

SWAMP

BLO

TL 5S

L 10E

L 8E.

L 6E.

L 4E.

L 2E.

L 0.

L 2W.

L 4W

L 6W

L 8W

L 10W.

L 12W

L 13S.

L 14W

L 15S.

L 16W

L 17S.

L 18W

L 18S.

L 19S.

L 20W

L 20S.

L 21S.

L 22W

L 22S.

L 23S.

L 24W

L 25S.

L 26W

L 28W

1207056

BLO

TL 5S

WATER

RIVER

LAKE

LAKE

1206912

1207303

1206913

1200272

1200268

1200267

ROAD 1193745

N

0m 200 400 600 800m

SCALE 1:~~5,000~~

MAP # 1

INTERNATIONAL CANALASKA RESOURCES LTD.
TIMMINS TOWNSHIP PROPERTY
BASEMAP

DAN PATRIE EXPLORATONS LTD.

DRAWN BY KIMBERLY ZARICHNEY

L 1+00W | L 0+00E | L 1+00E | L 2+00E | L 3+00E | L 4+00E | L 5+00E | L 6+00E | L 7+00E | L 8+00E

TL 800N

C.P. #2 800mN 1200E

Limit of Burn

L 14+00N | L 13+00N | L 12+00N | L 11+00N | L 10+00N

Lapilli St. Buff-Brown w.s. — 2 m deep pit in trench — ASSAY 274004 Barren QV at contact with 1r-1% Py in St wallrock

St, buff w.s. ankerite on frac. — 2t, buff — St mag — Lapilli Stone

St, tan-buff w.s. Lapilli-stone 35-40% Lap. — WRA 273653

7g, mg, sol mag wk fol, mod frac. locally brx. — 3lt, Lapilli-stone

3lt, Lap. St. — 2t — Tan-lt brown w.s.

WRA 273652 — Numerous Blast Pits 3m, 2t, buff wht. w.s.

WRA 273654 — St — Buff wht. w.s. Fr-2% Lapilli Patchy chl-Hyalioclast Locally Fe staining 1-2% Qz fill varials indicating minor flows

3a, buff white w.s. mass, wkly frac minor Fe staining

3p, 3pb wk chl 1 min. Fe staining — WRA 273655

ASSAY 274001 — 3p, 3pd, chl — 1.5m pit — Boudinaged Felsic dykelets — Trend to sulphide horizon

WRA 273655 — WRA 273656 — WRA 273657

WRA 273658

blast pit — Buff wht. w.s. Frac. halo 1-3mm Silic. haloes — dark grey to blk med grained. 2-3% Fsp pheno. mag Tr. Po

magnetic — 9, mg

St, chlc boulders

Sericite schist boulders 8-10% Py — 196-15 — St, Fe staining — 3p, 3pb, Buff wht chl — boulder 5-6% Py — ASSAY 274002

WRA 273669 — Ser Schist 5-8% Py — WRA 273660

3m, tan w.s. Tr Qz filled var. 8-10% Py mod ser — WRA 273651

WRA 273661 — 3m — 3p, 3pb Grn Grn w.s. chl

2m, Buff wht — ovb

WRA 273656 — ASSAY 274003 — TB2-96 — St, buff wht wk-mod ser — mod frac @ 236°/80 num. Qv. 5-12mm wide — 324° trend

UTM 5349644N, 516255E — Sericite Schist — Sericite Schist mod-str frac'd 20-30% ser in mix 10-15% Qtz in mix 10-12% Py in mix

WRA 273657 — WRA 273662 — 3p, chl — WRA 273663

3m, chl — St, chl — 3p, 3pb chl — 9, mg, magnetic

WRA 273659 — 3p, 2pb med gry-grn min Qv. Tr Py — WRA 273664

glassy QVNS parallel to Fol. — WRA 273658 — Buff wht w.s., med gry FS 2-3cm interbeds of mg tuff - boudinaged 15-20% Amygdules. 1-2mm Tr Qz

Radisson Creek

BL 0+00N @ 140°

MAGNETIC DECLINATION 17°25' E

True

Magnetic

GEOLOGY

3	Unsubdivided Calc-Alkaline Volcanics
3a	Andesite Flow
3m	Massive Flow
3p	Pillowed Volcanic
3pb	Pillow Breccia
3t, 3lt	Tuff, Lapilli Tuff
7g	Gabbro
9	Olivine Diabase

SYMBOLS

- WRA 273655 — Whole Rock/Assay Sample Site
- Foliation
- Mineral Lineation Az. 40°, Plunge 68°
- Quartz Veins Az. 320°, Dip 60°
- Fault, 75° dip
- Z-fold Az. 62°, Dip 50°
- Mineralized Trend
- Geological Contact
- Trench
- Blast Pit
- x Subcrop
- Beaver Dam
- Pond, Water
- Claim Post
- TT96-15 — Royal Oak Diamond Drill Hole
- Northern limit of burn

50 0 100m 200m

NEXOM Northern Mineral Exploration Services

International CanAlaska Resources

TIMMINS PROPERTY

GEOLOGY MAP

42A/07

Dwn. By		Scale	1: 2500
Date	September 1996	Dwng.No.	Map 1

42A07SE2004 2.19233 TIMMINS


SHERATON TWP.
TIMMINS TWP.
P1207331
P1212960
Radisson Ck.
Warner
Lake
SWAMP
River
WATER
P1206912
P1206913
P1207258
P1200272
P1207303
Lakes
River
TT98-04
TT98-05
TT98-03
L 0
L 2W
L 4W
L 6W
L 8W
L 10W
L 12W
L 14W
L 16W
L 18W
L 20W
L 22W
L 24W
L 26W
L 28W
BL 0
TL 5S
L 5S
L 13S
L 15S
L 17S
L 18S
L 19S
L 20S
L 21S
L 22S
L 23S
TL 5S
L 36E
L 38
L 42
L 44
Magnetic
True
LEGEND
TT95-11 Previous Drilling
TT98-02 CanAlaska Drill Holes
1:5,000 SCALE
0
250
500
750 m.
Northern Mineral Exploration Services
International CanAlaska Resources
TIMMINS PROPERTY DRILL HOLE LOCATION
MAP 1
Dwn. By Andrew Tims
Scale 1:5,000
Date December 1998
Dwng.No. TIMMAP2 5,000.dwg

TL 16+00N

TL 8+00N

P1200282

P1200267

P1193745

P1200259

P1193748

P1200267

P1193745

TT98-01

L 1+00W

L 1+00E

TT96-16

L 6+00E

L 7+00E

L 8+00E

BL 0+00N

P1193747

P1193748

TT96-14

TT93-01

TT96-15

TT95-11

TT98-02

Doughtery Lake.

MAGNETIC DECLINATION 11.25° W

Magnetic

True

TL 8+00S

P1200285

P1193700

P1200290

1:5,000 SCALE

0 250 500 750 m.

TL 16+00S

P1193701

P1193703

LEGEND

TT95-11 Previous Drilling

TT98-02 CanAlaska Drill Holes

NEXO Northern Mineral Exploration Services

International CanAlaska Resources

TIMMINS PROPERTY DRILL HOLE LOCATION

MAP 2

Dwn. By	Andrew Tims	Scale	1:5,000
Date	December 1998	Dwng.No.	DDHMAP6 5,000.dwg

1400N

1500N

100W

TT98-01

100W

300

300

Ovb

Cu, Pb, Zn ppm

5S

5T

5S, 5T

5S

5T

5S

200

5G

5S

260.00 m.
TT98-01

100

100

1400N

1500N

LEGEND

Ovb	Overburden
5G	Greywacke
5S	Siltstone
5T	Tuffacsous Sediment
8FP	Feldspar Porphyry Dyke
~~	Fault
/	Foliation

NEXO Northern Mineral Exploration Services

International CanAlaska Resources Ltd.

TIMMINS PROPERTY

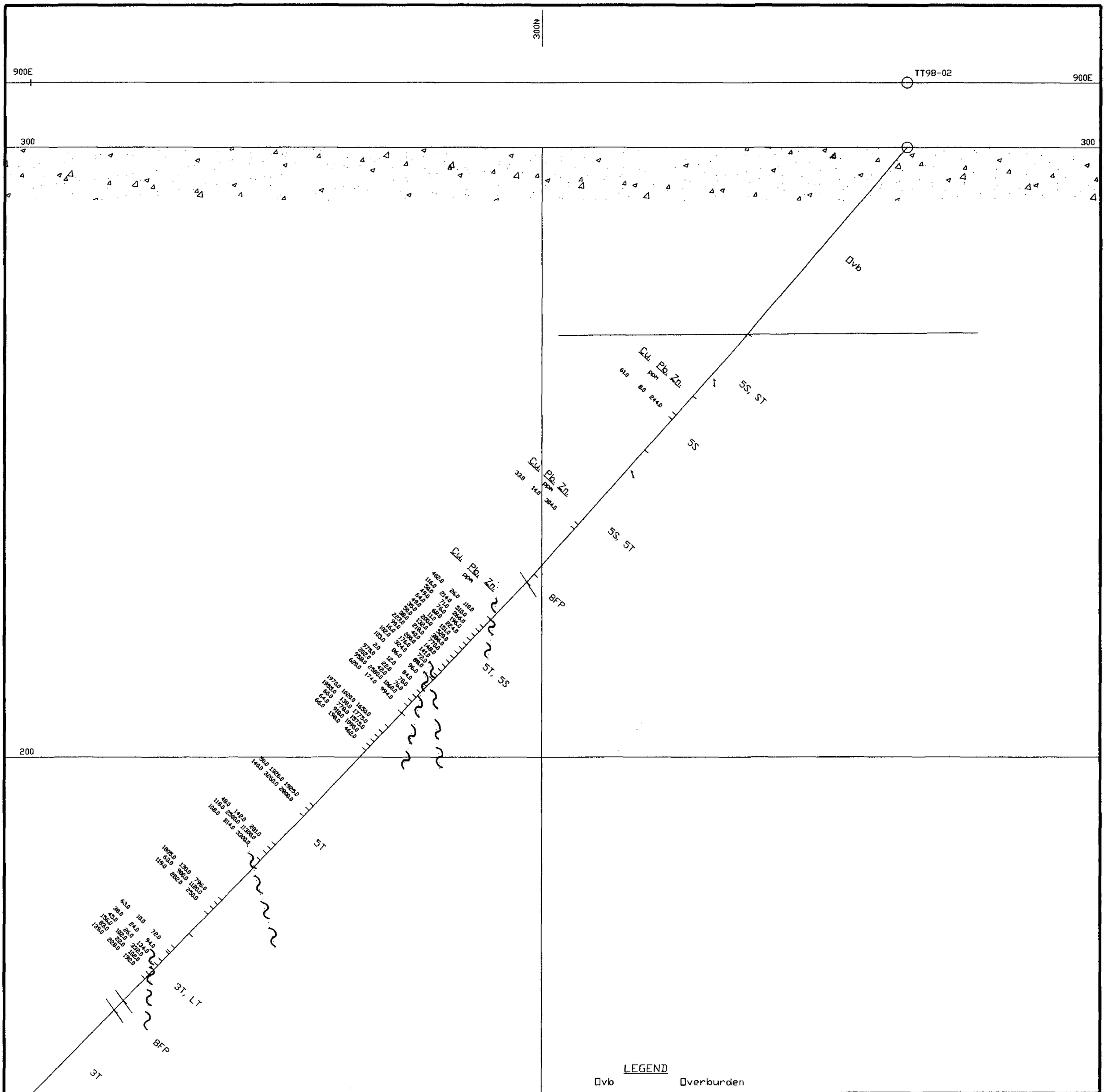
SECTION 100W

Hole TT98-01

(RYO grid) Claim P1200259

Dwn. By	Andrew Tims	Scale	1/500
Date	98/12/12	Dwng.No.	TT98-01.dwg

42A07SE2004 2.19233 TIMMINS



LEGEND

Ovb	Overburden
3T,LT	Mafic Tuff, Lapille Tuff
5S	Siltstone
5T	Tuffacsous Sediment
8FP	Feldspar Porphyry Dyke
~~	Fault
/	Foliation

Northern Mineral Exploration Services

International CanAlaska Resources Ltd.

TIMMINS PROPERTY

SECTION 900E

Hole TT98-02

(RYO grid) Claim P1193700

Dwn. By	Andrew Tims	Scale	1/500
Date	98/12/12	Dwng.No.	TT98-02.dwg

2100S

290W TT98-03 290W

300 300

Ovb

Au ppm

1

5

5

5

4P

200

5 Ovb

5

Ovb

158.00 m.
TT98-03

LEGEND

Ovb	Overburden
4P	Intermediate to Felsic Tuff
∿∿∿	Fault
/	Foliation

NEXO Northern Mineral Exploration Services

International CanAlaska Resources Ltd.

TIMMINS PROPERTY

SECTION 290W

Hole TT98-03

Claim P1207303

Dwn. By	Andrew Tims	Scale	1/500
Date	98/12/12	Dwng.No.	TT98-03.dwg

200S

800E

TT98-04

800E

300

300

Ovb

3T

9

200

164.00 m.
T98-04

LEGEND

Ovb	Overburden
3T	Mafic Tuff
9	Diabase
∿∿∿	Fault
/	Foliation

Northern Mineral Exploration Services

International CanAlaska Resources Ltd.

TIMMINS PROPERTY

SECTION 800E

Hole TT98-04

Claim P1206912

Dwn. By	Andrew Tims	Scale	1/500
Date	98/12/12	Dwng.No.	TT98-04.dwg

200N

0N

300N

100N

225E

T98-05

225E

300

300

Ovb

3T

Au ppm

9

200

143.00 m.
TT98-05

100N

LEGEND

Ovb	Overburden
3T	Mafic Tuff
9	Diabase
~∿~∿~	Fault
/	Foliation

Northern Mineral Exploration Services

International CanAlaska Resources Ltd.

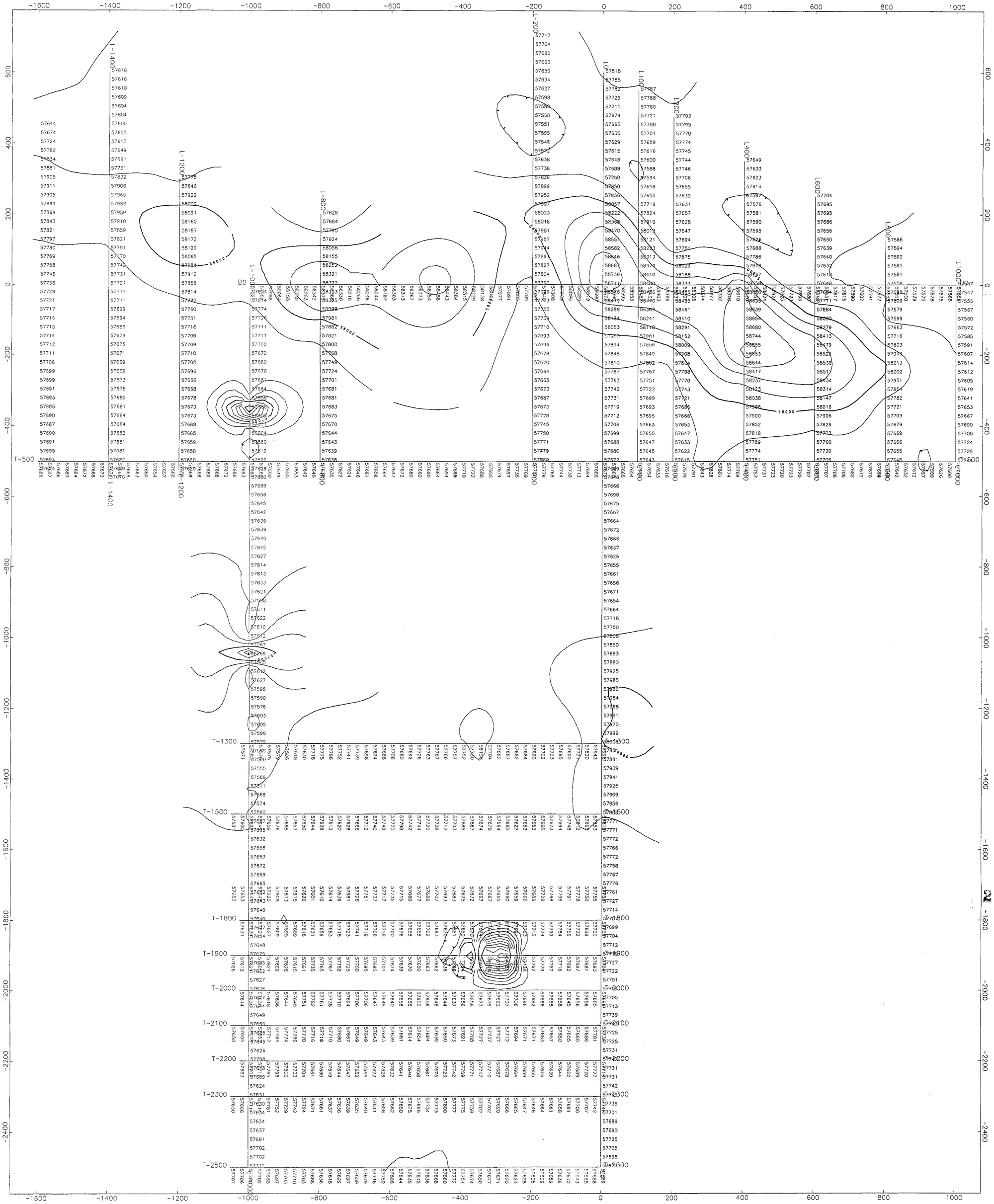
TIMMINS PROPERTY

SECTION 225E

Hole TT98-05

Claim P1206912

Dwn. By	Andrew Tims	Scale	1/500
Date	98/12/12	Dwng.No.	TT98-05.dwg



58391.1
58220.9
58100.7
58013.8
57963.8
57908.3
57863.9
57830.7
57802.9
57782.6
57767.9
57754.9
57746.0
57736.4
57729.0
57723.7
57718.3
57710.4
57705.2
57699.8
57694.3
57688.6
57685.2
57679.0
57675.5
57672.2
57666.2
57662.8
57657.0
57653.7
57647.7
57644.2
57638.3
57633.0
57627.4
57620.1
57608.8
57592.0
57575.5
57464.4

COLOUR LEGEND BAR
MAGNETICS

Scale 1:5000
100 0.0 100 200 300
(meters)

MAP #2

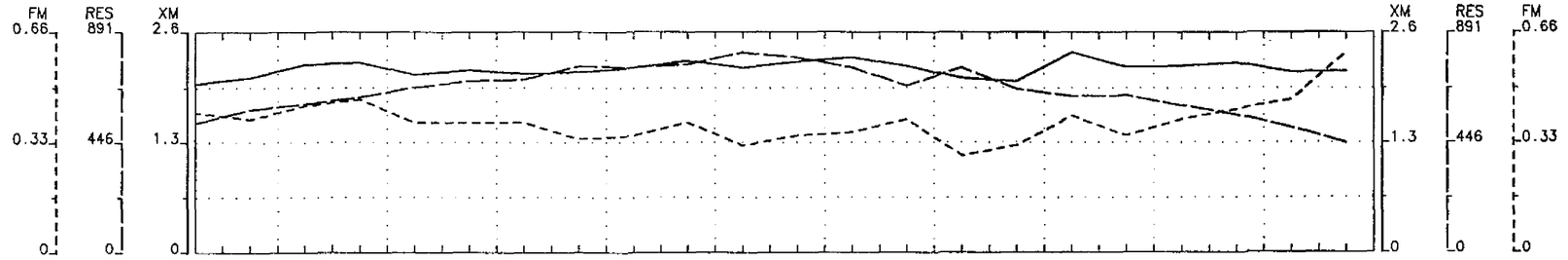
INTERNATIONAL CANALASKA RESOURSES LTD

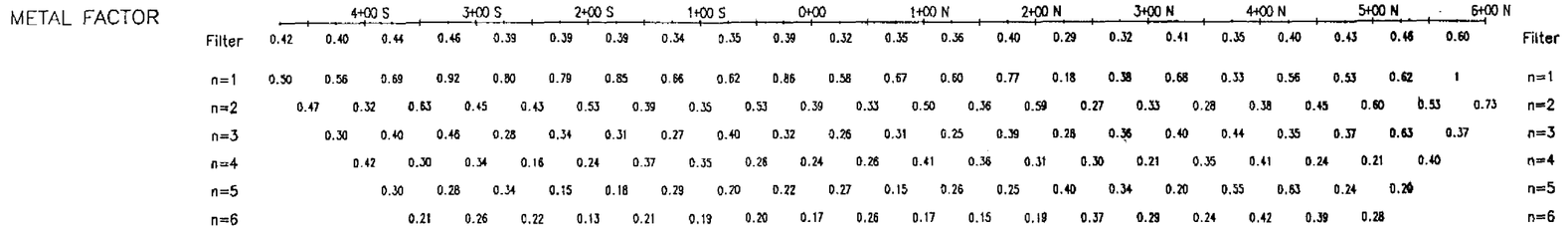
MAGNETICS SURVEY
TIMMINS ONTARIO, CANADA
TIMMINS TOWNSHIP

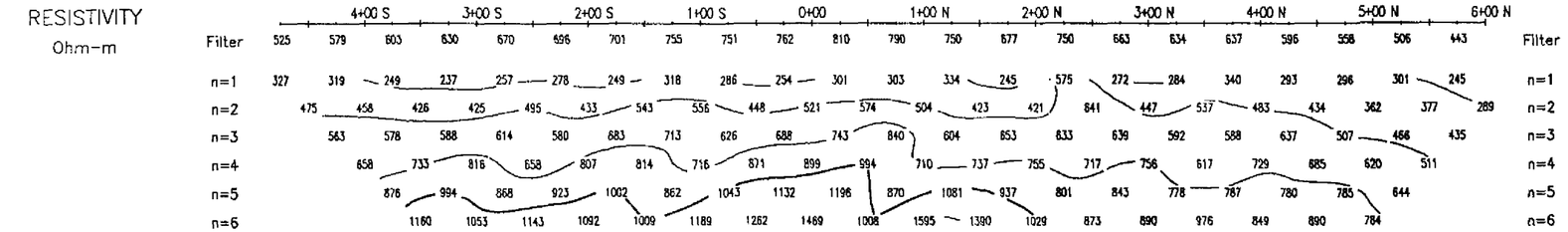
BASESTATION CORRECTED
DATUM SUBTRACTED 0nT
REFERENCE FIELD 58470nT
DAN PATRIE EXPLORATION LTD.

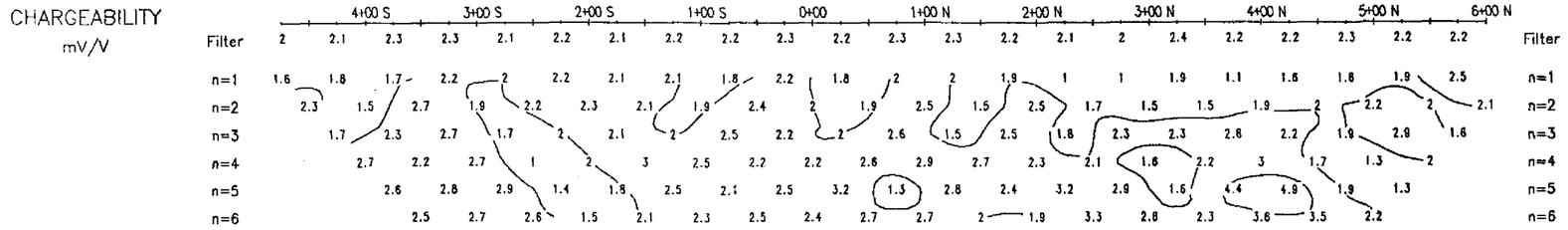
GEOSOFT OASIS MONTAJ 4.1C

42A07SE2004 2.19233 TIMMINS 300



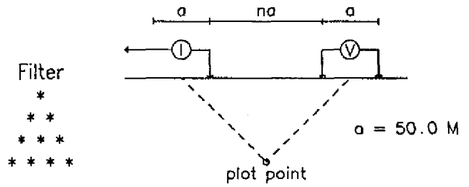






Line 200 W

Pole-Dipole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,..

INTERPRETATION

- ■ Strong increase in polarization accompanied by marked decrease in resistivity.
- ◘ Well defined increase in polarization without marked resistivity decrease.
- □ Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000

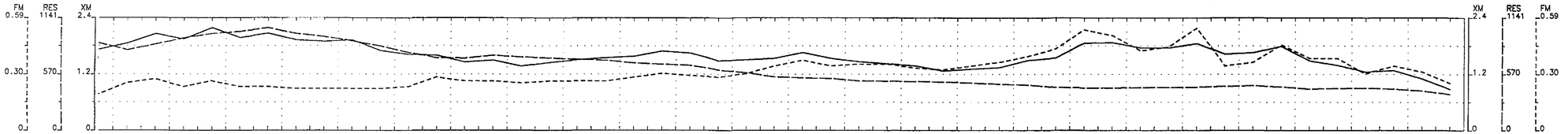
50 0 50 100 150 200 250 300
(metres)

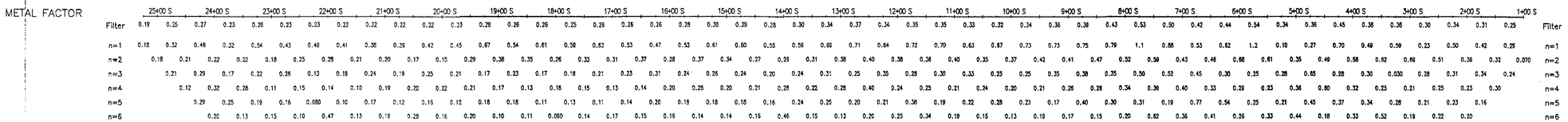
NTERNATIONAL CANALASKA RESOURSES LTD.

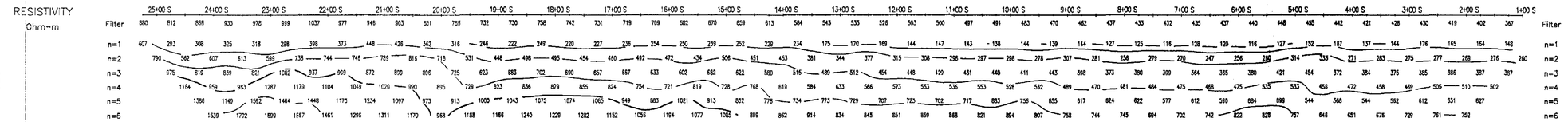
INDUCED POLARIZATION SURVEY
WARNER LAKE AREA
TIMMINS TOWNSHIP

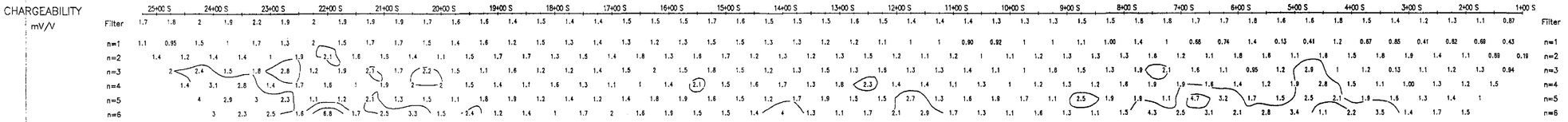
Date: 98/10/16
Interpretation: B.PATRIE

DAN PATRIE EXPLORATION LTD.



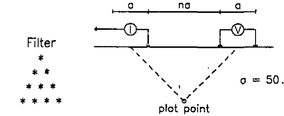






Line 1000 W

Pole-Dipole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,..

INTERPRETATION

- ■ Strong increase in polarization accompanied by marked decrease in resistivity.
- ▫ Well defined increase in polarization without marked resistivity decrease.
- □ Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000

50 0 50 100 150 200 250 300

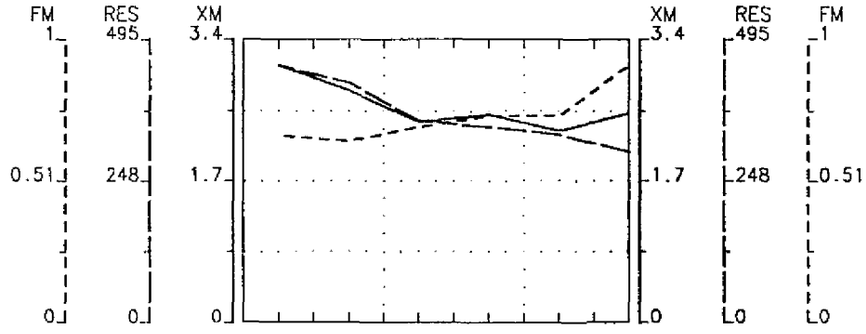
(metres)

INTERNATIONAL CANALASKA RESOURSES LTD.

INDUCED POLARIZATION SURVEY
WARNER LAKE AREA
TIMMINS TOWNSHIP

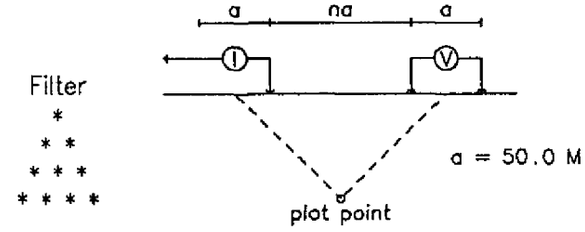
Date: 98/10/16
Interpretation: B.PATRIE

DAN PATRIE EXPLORATION LTD.



Line 1000 E

Pole-Dipole Array



METAL FACTOR

Filter	3+00 S		2+00 S		1+00 S		Filter
	0.67	0.65	0.70	0.74	0.74	0.92	
n=1			0.74	0.67	0.89	1.1	n=1
n=2			0.51	1.2	0.84	0.88	n=2
n=3		0.41	0.80	0.29	0.77		n=3
n=4		0.58	0.52	0.72	0.75		n=4
n=5	0.83	1.1	0.52	0.45			n=5
n=6	0.61	0.82	0.39	1.1			n=6

METAL FACTOR

RESISTIVITY
Ohm-m

Filter	3+00 S		2+00 S		1+00 S		Filter
	450	420	354	343	329	299	
n=1			148	145	152	142	n=1
n=2			256	242	245	270	n=2
n=3		316	351	352	351		n=3
n=4		373	402	475	500		n=4
n=5	421	423	490	572			n=5
n=6	585	597	517	590			n=6

RESISTIVITY
Ohm-m

CHARGEABILITY
mV/V

Filter	3+00 S		2+00 S		1+00 S		Filter
	3.1	2.8	2.4	2.5	2.3	2.5	
n=1			1.1	0.97	1.4	1.6	n=1
n=2			1.3	2.8	2	2.3	n=2
n=3		1.3	2.8	1	2.7		n=3
n=4		2.2	2.1	3.4	3.8		n=4
n=5	3.5	4.8		2.5	2.6		n=5
n=6	3.4	4.9	2	6.5			n=6

CHARGEABILITY
mV/V

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,..

INTERPRETATION

- ■ Strong increase in polarization accompanied by marked decrease in resistivity.
- □ Well defined increase in polarization without marked resistivity decrease.
- □ Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

1:500
Scale ~~1:5000~~

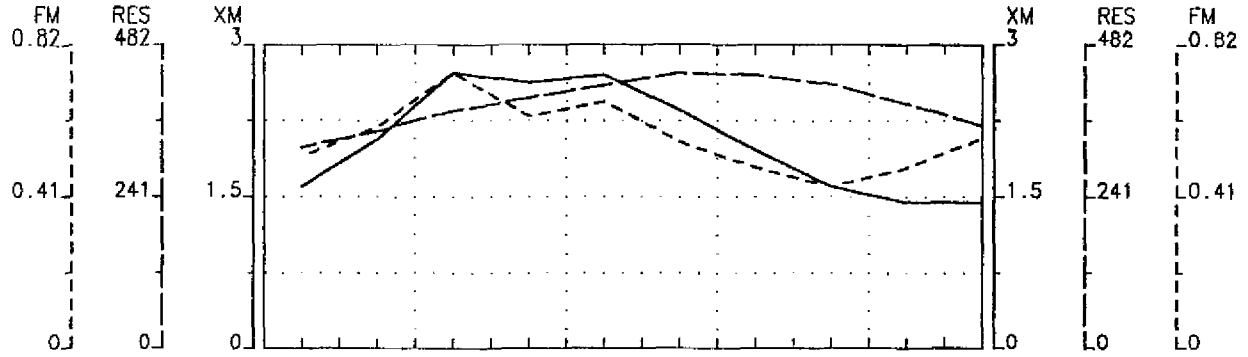
50 0 50 100 150 200 250 300
(metres)

INTERNATIONAL CANALASKA RESOURSES LTD.

INDUCED POLARIZATION SURVEY
WARNER LAKE AREA
TIMMINS TOWNSHIP

Date: 98/10/16
Interpretation: B.PATRIE

DAN PATRIE EXPLORATION LTD.



METAL FACTOR

Filter	4+00 S			3+00 S			2+00 S			1+00 S			0+00			Filter
	0.52	0.60	0.75	0.63	0.67	0.56	0.49	0.44	0.49	0.57						
n=1	0.69	0.78	1.2	0.49	0.82	0.79	0.79	0.68	0.89	0.90						n=1
n=2	0.39	0.55	0.50	0.43	0.49	0.33	0.42	0.52	0.41	0.51						n=2
n=3	0.48	0.35	0.37	1.2	0.98	0.27	0.25	0.37	0.31							n=3
n=4	0.34	0.28	0.96	0.82	0.29	0.45	0.36	0.23								n=4
n=5	0.29	0.65	0.95	1.2	0.47	0.37	0.22									n=5
n=6	0.60	0.86	1	0.67	0.18	0.21										n=6

METAL FACTOR

RESISTIVITY
Ohm-m

Filter	4+00 S			3+00 S			2+00 S			1+00 S			0+00			Filter
	318	344	377	398	418	438	434	420	388	353						
n=1	149	139	163	167	145	160	146	155	136	157						n=1
n=2	230	253	242	281	273	313	342	315	312	298						n=2
n=3	322	356	342	384	382	431	462	430	451							n=3
n=4	413	457	425	457	464	512	556	561								n=4
n=5	498	541	529	573	548	616	714									n=5
n=6	567	624	630	651	638	751										n=6

RESISTIVITY
Ohm-m

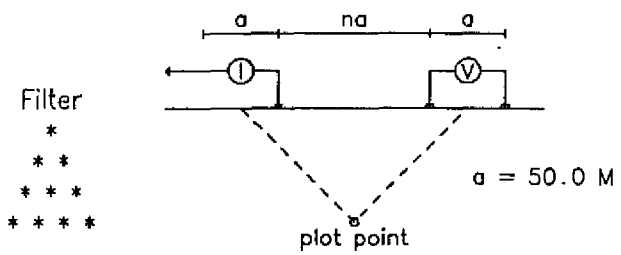
CHARGEABILITY
mV/V

Filter	4+00 S			3+00 S			2+00 S			1+00 S			0+00			Filter
	1.6	2.1	2.7	2.6	2.7	2.4	2	1.6	1.5	1.5						
n=1	1	1.1	2	0.82	1.2	1.3	1.2	1.1	1.2	1.4						n=1
n=2	0.90	1.4	1.2	1.2	1.4	1	1.4	1.6	1.3	1.5						n=2
n=3	1.6	1.3	1.3	4.7	3.8	1.2	1.2	1.6	1.4							n=3
n=4	1.4	1.3	4.1	3.8	1.3	2.3	2	1.3								n=4
n=5	1.4	3.5	5	7	2.6	2.3	1.6									n=5
n=6	3.4	5.3	6.6	4.4	1.1	1.6										n=6

CHARGEABILITY
mV/V

Line 800 E

Pole-Dipole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10, . .

INTERPRETATION

- ■ Strong increase in polarization accompanied by marked decrease in resistivity.
- ◘ Well defined increase in polarization without marked resistivity decrease.
- □ Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

1:500
Scale 1:5000

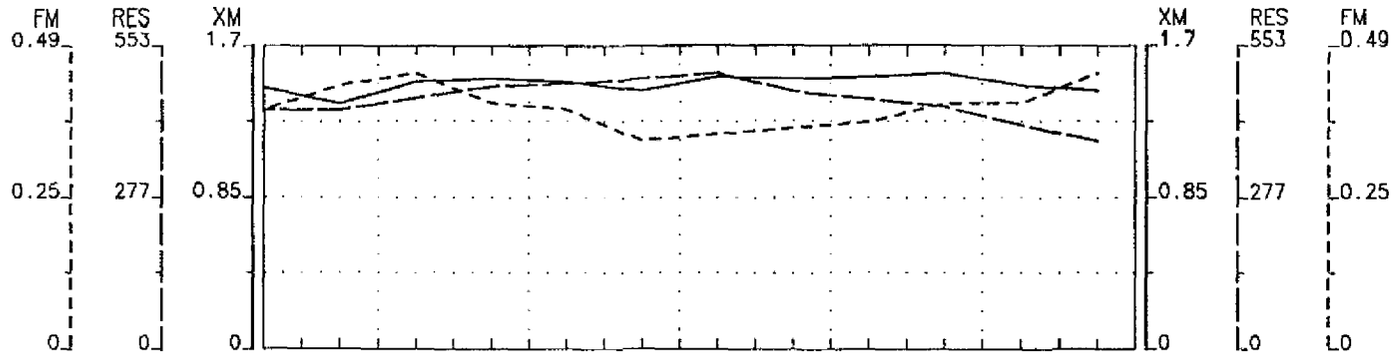
50 0 50 100 150 200 250 300
(metres)

NTERNATIONAL CANALASKA RESOURSES LTD.

INDUCED POLARIZATION SURVEY
WARNER LAKE AREA
TIMMINS TOWNSHIP

Date: 98/10/16
Interpretation: B. PATRIE

DAN PATRIE EXPLORATION LTD.



METAL FACTOR

Filter	4+00 S			3+00 S			2+00 S			1+00 S			0+00			1+00 N		Filter
	0.39	0.43	0.45	0.40	0.39	0.34	0.35	0.36	0.37	0.40	0.40	0.45						
n=1	0.54	0.82	0.99	0.82	0.71	0.50	0.65	0.53	0.54	0.71	0.63	0.74						n=1
n=2	0.38	0.38	0.49	0.45	0.64	0.39	0.29	0.49	0.35	0.38	0.38	0.51						n=2
n=3	0.33	0.29	0.38	0.35	0.32	0.27	0.31	0.41	0.26	0.33	0.32							n=3
n=4	0.21	0.22	0.29	0.26	0.18	0.27	0.23	0.46	0.21	0.32								n=4
n=5	0.19	0.20	0.32	0.28	0.30	0.24	0.53	0.35	0.22									n=5
n=6	0.19	0.18	0.18	0.26	0.18	0.24	0.28	0.43										n=6

METAL FACTOR

RESISTIVITY
Ohm-m

Filter	4+00 S			3+00 S			2+00 S			1+00 S			0+00			1+00 N		Filter
	438	435	457	478	483	493	503	470	455	441	407	378						
n=1	257	152	144	162	148	140	190	167	203	193	174	166						n=1
n=2	400	321	325	310	291	381	354	305	330	289	307	270						n=2
n=3	509	474	426	416	520	483	414	437	400	427	399							n=3
n=4	651	532	508	636	571	500	542	487	544	507								n=4
n=5	711	633	781	706	591	658	578	632	606									n=5
n=6	820	935	823	695	752	661	730	676										n=6

RESISTIVITY
Ohm-m

CHARGEABILITY
mV/V

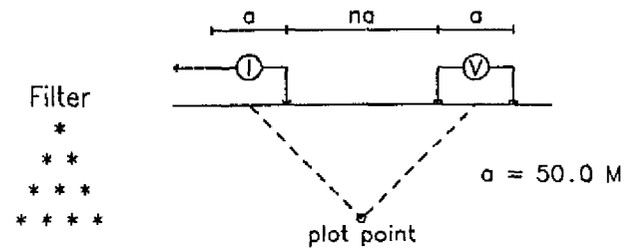
Filter	4+00 S			3+00 S			2+00 S			1+00 S			0+00			1+00 N		Filter
	1.5	1.4	1.5	1.5	1.5	1.4	1.5	1.5	1.5	1.5	1.5	1.4						
n=1	1.4	1.3	1.4	1.3	1	0.70	1.2	0.88	1.1	1.4	1.1	1.2						n=1
n=2	1.5	1.2	1.6	1.4	1.9	1.5	1	1.5	1.2	1.1	1.2	1.4						n=2
n=3	1.7	1.4	1.6	1.5	1.7	1.3	1.3	1.8	1	1.4	1.3							n=3
n=4	1.4	1.1	1.5	1.8	1	1.4	1.2	2.2	1.2	1.6								n=4
n=5	1.4	1.3	2.5	2	1.8	1.6	3.1	2.2	1.3									n=5
n=6	1.6	1.8	1.5	1.8	1.3	1.6	2	2.9										n=6

CHARGEABILITY
mV/V

Geosoft Software for the Earth Sciences

Line 600 E

Pole-Dipole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,..

INTERPRETATION

- ■ Strong increase in polarization accompanied by marked decrease in resistivity.
- □ Well defined increase in polarization without marked resistivity decrease.
- □ Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000

50 0 50 100 150 200 250 300

(metres)

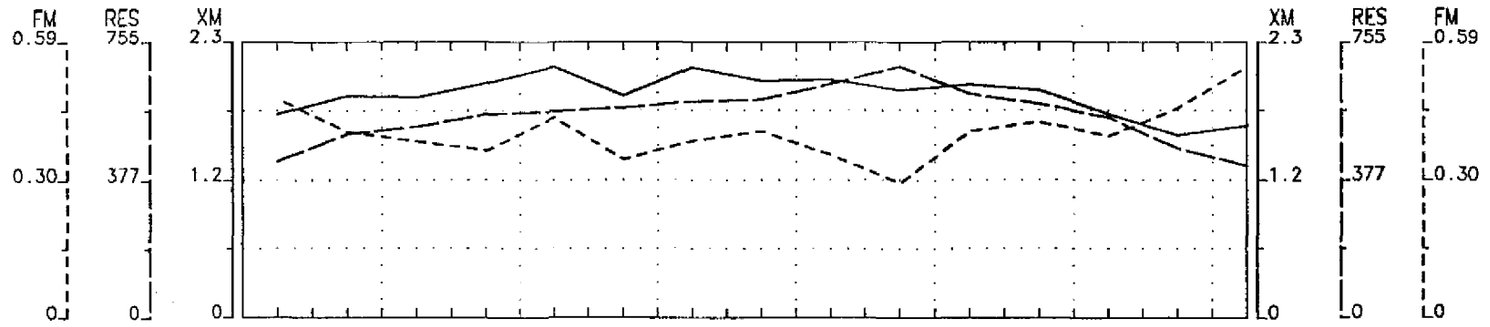
42A07SE2004 2.19233 TIMMINS 350

INTERNATIONAL CANALASKA RESOURSES LTD.

INDUCED POLARIZATION SURVEY
WARNER LAKE AREA
TIMMINS TOWNSHIP

Date: 98/10/16
Interpretation: B.PATRIE

DAN PATRIE EXPLORATION LTD.



METAL FACTOR

Filter	4+00 S		3+00 S		2+00 S		1+00 S		0+00		1+00 N		2+00 N		3+00 N		Filter
	0.47	0.40	0.38	0.36	0.43	0.34	0.38	0.40	0.35	0.29	0.40	0.42	0.39	0.45	0.54		
n=1	0.74	0.61	0.53	0.42	0.86	0.49	0.52	0.85	0.61	0.37	0.82	0.80	0.64	0.79	0.82		n=1
n=2	0.62	0.37	0.40	0.30	0.41	0.24	0.53	0.36	0.34	0.22	0.37	0.50	0.51	0.43	0.50		n=2
n=3	0.29	0.31	0.25	0.60	0.23	0.22	0.25	0.35	0.26	0.28	0.31	0.32	0.38	0.32			n=3
n=4	0.26	0.21	0.42	0.21	0.40	0.16	0.34	0.20	0.22	0.35	0.31	0.23	0.37				n=4
n=5	0.16	0.58	0.27	0.32	0.34	0.53	0.23	0.46	0.20	0.20	0.24	0.15					n=5
n=6	0.41	0.29	0.61	0.15	0.46	0.13	0.42	0.43	0.28	0.16	0.18						n=6

METAL FACTOR

RESISTIVITY
Ohm-m

Filter	4+00 S		3+00 S		2+00 S		1+00 S		0+00		1+00 N		2+00 N		3+00 N		Filter
	428	501	522	555	563	572	589	595	638	686	611	583	546	463	415		
n=1	197	218	193	234	175	186	223	205	232	418	185	171	184	155	182		n=1
n=2	316	324	377	346	377	393	395	433	419	608	425	374	392	308	307		n=2
n=3	440	458	553	473	544	545	534	586	661	614	572	602	469	466			n=3
n=4	570	604	706	591	650	642	626	768	636	731	799	632	640				n=4
n=5	700	718	894	715	758	769	833	798	764	1012	867	878					n=5
n=6	805	857	1013	808	867	942	837	910	1001	1053	1136						n=6

RESISTIVITY
Ohm-m

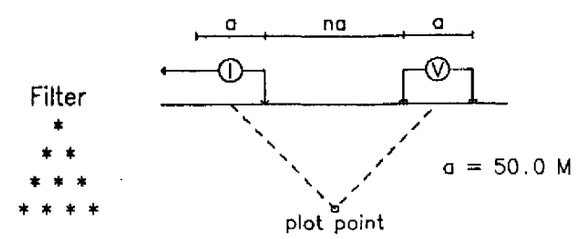
CHARGEABILITY
mV/V

Filter	4+00 S		3+00 S		2+00 S		1+00 S		0+00		1+00 N		2+00 N		3+00 N		Filter
	1.7	1.9	1.9	2	2.1	1.9	2.1	2	2	1.9	2	1.9	1.7	1.5	1.6		
n=1	1.5	1.3	1	0.98	1.5	0.91	1.2	1.8	1.4	1.5	1.5	1.4	1.2	1.2	1.5		n=1
n=2	2	1.2	1.5	1	1.5	0.94	2.1	1.6	1.4	1.3	1.6	1.9	2	1.3	1.5		n=2
n=3	1.3	1.4	1.4	2.8	1.3	1.2	1.3	2	1.7	1.7	1.8	1.9	1.8	1.5			n=3
n=4	1.5	1.3	3	1.2	2.6	1	2.1	1.5	1.4	2.5	2.4	1.4	2.4				n=4
n=5	1.1	4.2	2.4	2.3	2.5	4.1	1.9	3.7	1.5	2	2.1	1.4					n=5
n=6	3.3	2.5	6.2	1.2	4	1.2	3.5	3.9	2.8	1.7	2						n=6

CHARGEABILITY
mV/V

Line 400 E

Pole-Dipole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,..

INTERPRETATION

- ■ Strong increase in polarization accompanied by marked decrease in resistivity.
- □ Well defined increase in polarization without marked resistivity decrease.
- □ Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000

50 0 50 100 150 200 250 300

(metres)

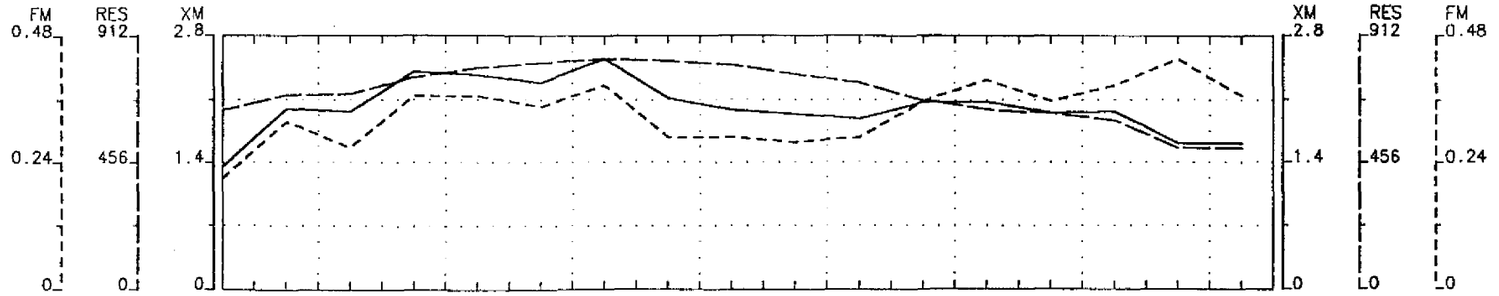
42A07SE2004 2.19233 TIMMINS 360

INTERNATIONAL CANALASKA RESOURSES LTD.

INDUCED POLARIZATION SURVEY
WARNER LAKE AREA
TIMMINS TOWNSHIP

Date: 98/10/16
Interpretation: B.PATRIE

DAN PATRIE EXPLORATION LTD.



METAL FACTOR

Filter	4+00 S			3+00 S			2+00 S			1+00 S			0+00			1+00 N			2+00 N			3+00 N			Filter
	0.21	0.32	0.27	0.37	0.37	0.35	0.39	0.29	0.29	0.28	0.29	0.36	0.40	0.36	0.39	0.44	0.37								
n=1	0.21	0.48	0.080	0.59	0.74	0.75	0.87	0.46	0.58	0.43	0.50	0.85	0.85	0.59	0.63	0.87	0.64								n=1
n=2		0.19	0.38	0.44	0.33	0.19	0.40	0.43	0.20	0.28	0.28	0.35	0.54	0.39	0.62	0.68	0.37	0.28							n=2
n=3			0.22	0.20	0.62	0.29	0.33	0.22	0.44	0.32	0.20	0.21	0.33	0.31	0.29	0.31	0.25	0.38							n=3
n=4				0.29	0.19	0.26	0.41	0.23	0.23	0.31	0.22	0.25	0.30	0.29	0.31	0.25	0.22	0.17							n=4
n=5					0.25	0.27	0.20	0.28	0.13	0.23	0.16	0.30	0.16	0.37	0.20	0.24	0.13	0.19							n=5
n=6						0.12	0.55	0.29	0.19	0.15	0.14	0.16	0.25	0.14	0.44	0.10	0.44	0.28							n=6

METAL FACTOR

RESISTIVITY
Ohm-m

Filter	4+00 S			3+00 S			2+00 S			1+00 S			0+00			1+00 N			2+00 N			3+00 N			Filter
	646	700	704	762	796	816	829	822	807	773	744	682	648	634	608	508	508								
n=1	385	366	290	270	262	273	289	280	291	280	313	267	232	296	327	171	277								n=1
n=2	727	521	449	597	531	524	552	553	569	619	533	446	425	332	297	384	414								n=2
n=3	669	727	601	794	733	739	869	873	850	678	572	554	749	419	531	496									n=3
n=4	824	921	955	921	900	910	946	928	793	648	668	899	541	679	660										n=4
n=5	1028	1131	1182	1182	1105	1078	1241	976	790	775	1060	935	826	798											n=5
n=6	1204	1247	1332	1342	1226	1355	1222	926	1074	1171	1123	941	933												n=6

RESISTIVITY
Ohm-m

CHARGEABILITY
mV/V

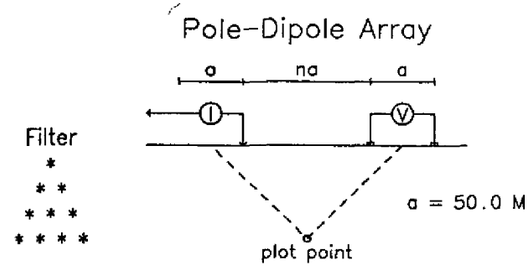
Filter	4+00 S			3+00 S			2+00 S			1+00 S			0+00			1+00 N			2+00 N			3+00 N			Filter
	1.4	2	2	2.5	2.4	2.3	2.6	2.2	2	2	1.9	2.1	2.1	2	2	1.6	1.6								
n=1	0.81	1.7	0.22	1.6	2	2.1	2.5	1.3	1.7	1.2	1.6	1.7	2	1.8	2	1.5	1.8								n=1
n=2	1.4	2	2	2	1	2.1	2.4	1.1	1.6	1.7	1.9	2.4	1.6	2	2	1.3	1.1								n=2
n=3		1.5	1.4	3.8	2.3	2.4	1.6	3.8	2.8	1.7	1.4	1.9	1.7	2.1	1.3	1.3	1.9								n=3
n=4			2.4	1.8	2.5	3.8	2.1	2.1	2.9	2	2	1.9	2	2.8	1.4	1.5	1.1								n=4
n=5				2.5	3.1	2.4	3.3	1.4	2.5	2	2.9	1.3	2.9	2.1	2.3	1	1.5								n=5
n=6					1.5	6.8	3.9	2.5	1.9	2	1.9	2.3	1.5	5.1	1.1	4.1	2.7								n=6

CHARGEABILITY
mV/V

Geosoft Software for the Earth Sciences

Line 200 E

Pole-Dipole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,..

INTERPRETATION

- ■ Strong increase in polarization accompanied by marked decrease in resistivity.
- ◘ Well defined increase in polarization without marked resistivity decrease.
- □ Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000

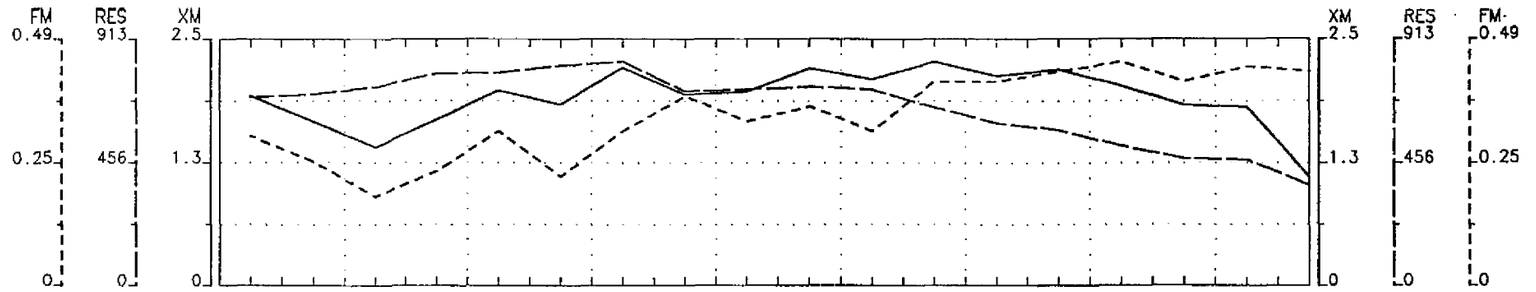
50 0 50 100 150 200 250 300
(metres)

INTERNATIONAL CANALASKA RESOURSES LTD.

INDUCED POLARIZATION SURVEY
WARNER LAKE AREA
TIMMINS TOWNSHIP

Date: 98/10/16
Interpretation: B.PATRIE

DAN PATRIE EXPLORATION LTD.



METAL FACTOR

Filter	4+00 S		3+00 S		2+00 S		1+00 S		0+00		1+00 N		2+00 N		3+00 N		4+00 N			Filter
	0.30	0.25	0.18	0.23	0.31	0.22	0.31	0.38	0.33	0.36	0.31	0.41	0.41	0.43	0.45	0.41	0.44	0.43		
n=1	0.36	0.33	0.050	0.28	0.59	0.10	0.68	1	0.69	0.70	0.32	0.80	0.62	0.69	0.70	0.37	0.68	0.88		n=1
n=2	0.38	0.37	0.25	0.27	0.35	0.56	0.27	0.33	0.34	0.27	0.63	0.30	0.40	0.45	0.41	0.68	0.46	0.32		n=2
n=3	0.35	0.20	0.17	0.17	0.18	0.23	0.23	0.30	0.27	0.25	0.29	0.30	0.48	0.29	0.22	0.48	0.32			n=3
n=4	0.25	0.12	0.15	0.25	0.16	0.14	0.16	0.25	0.18	0.27	0.23	0.37	0.33	0.58	0.26	0.19				n=4
n=5	0.27	0.22	0.12	0.25	0.28	0.19	0.29	0.19	0.44	0.21	0.34	0.31	0.60	0.57	0.32					n=5
n=6	0.16	0.20	0.22	0.18	0.23	0.24	0.24	0.22	0.16	0.27	0.26	0.35	0.52	-0.020						n=6

METAL FACTOR

RESISTIVITY
Ohm-m

Filter	4+00 S		3+00 S		2+00 S		1+00 S		0+00		1+00 N		2+00 N		3+00 N		4+00 N			Filter
	697	709	735	786	789	815	830	720	728	737	727	660	601	576	518	472	467	374		
n=1	462	360	317	410	281	283	412	177	279	271	247	231	216	260	201	178	253	113		n=1
n=2	528	690	501	602	549	593	681	563	352	448	514	479	418	356	423	333	382	434		n=2
n=3	675	747	709	750	762	891	777	745	478	804	776	650	542	465	520	512	478			n=3
n=4	718	870	831	907	954	898	889	865	891	794	839	733	607	514	665	595				n=4
n=5	943	903	990	1133	1004	1054	1037	1073	727	951	989	845	689	638	774					n=5
n=6	1021	1422	1161	1124	1102	1160	1253	1272	1011	1296	1097	930	858	740						n=6

RESISTIVITY
Ohm-m

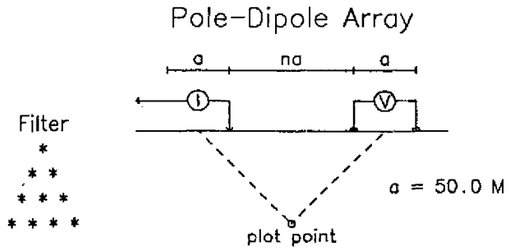
CHARGEABILITY
mV/V

Filter	4+00 S		3+00 S		2+00 S		1+00 S		0+00		1+00 N		2+00 N		3+00 N		4+00 N			Filter
	2	1.7	1.4	1.7	2	1.9	2.2	2	2	2.2	2.1	2.3	2.2	2.2	2	1.9	1.8	1.1		
n=1	1.7	1.2	0.15	1.1	1.7	0.27	2.8	1.8	1.9	1.9	0.78	1.9	1.3	1.8	1.4	0.85	1.7	0.77		n=1
n=2	2	2.5	1.2	1.6	1.9	3.3	1.8	1.8	1.2	1.2	3.2	1.4	1.7	1.6	1.8	2.3	1.8	1.4		n=2
n=3	2.4	1.5	1.2	1.3	1.3	2	1.8	2.2	1.3	2	2.2	2	2.6	1.3	1.2	2.5	1.5			n=3
n=4	1.8	1.1	1.2	2.3	1.6	1.3	1.5	2.2	1.4	2.1	2	2.7	2	3	1.8	1.1				n=4
n=5	2.5	2	1.1	2.8	2.8	2	3	2.1	3.2	2	3.4	2.6	4.1	3.7	2.5					n=5
n=6	1.7	2.9	2.6	2.1	2.5	2.8	3	2.8	1.6	3.5	2.8	3.2	3.5	-0.14						n=6

CHARGEABILITY
mV/V

Line 100 E

Pole-Dipole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10, . .

INTERPRETATION

- ■ Strong increase in polarization accompanied by marked decrease in resistivity.
- □ Well defined increase in polarization without marked resistivity decrease.
- □ Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000

50 0 50 100 150 200 250 300

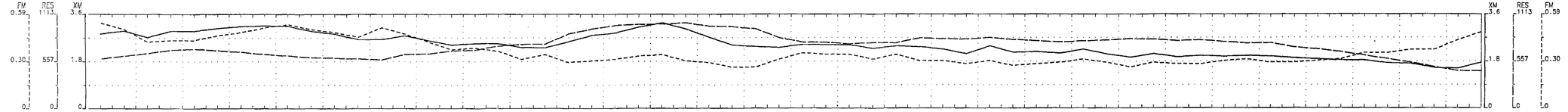
(metres)

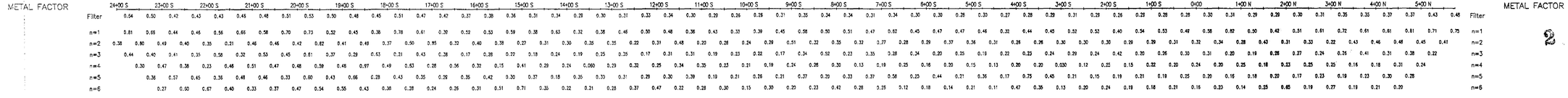
NTERNATIONAL CANALASKA RESOURSES LTD

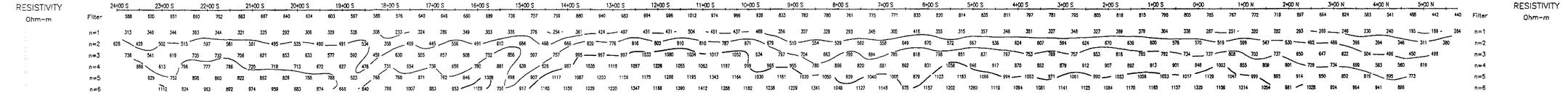
INDUCED POLARIZATION SURVEY
WARNER LAKE AREA
TIMMINS TOWNSHIP

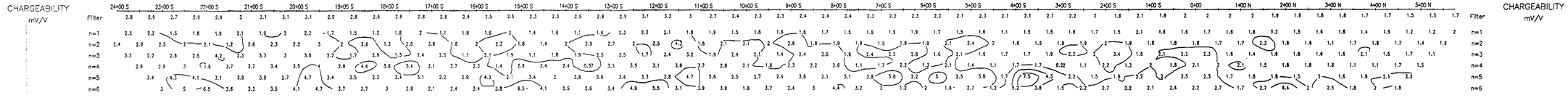
Date: 98/10/16
Interpretation: B.PATRIE

DAN PATRIE EXPLORATION LTD.





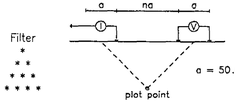




Geosoft Software for the Earth Sciences

Line 0E

Pole-Dipole Array



3

2

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,..

INTERPRETATION

- ■ Strong increase in polarization accompanied by marked decrease in resistivity.
- □ Well defined increase in polarization without marked resistivity decrease.
- □ Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000

50 0 50 100 150 200 250 300
(metres)

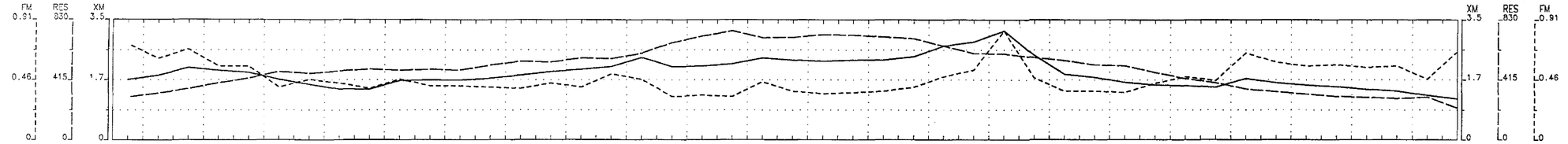
42A07SE2004 2.19233 TIMMINS 390

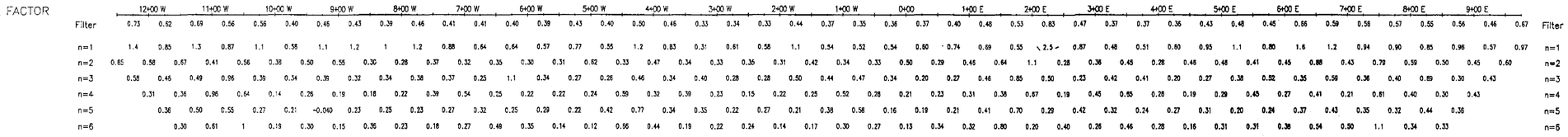
NTERNATIONAL CANALASKA RESOURSES LTD.

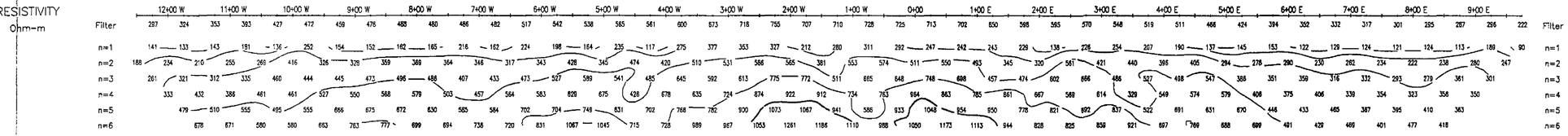
INDUCED POLARIZATION SURVEY
WARNER LAKE AREA
TIMMINS TOWNSHIP

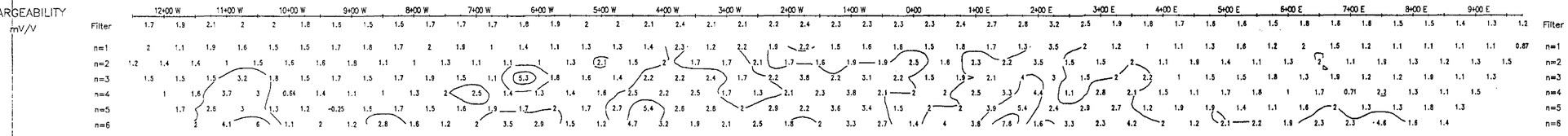
Date: 98/10/16
Interpretation: B.PATRIE

DAN PATRIE EXPLORATION LTD.



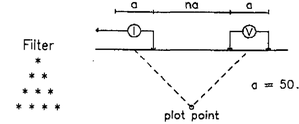






Line 0S

Pole-Dipole Array



2.[illegible]3

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,..

INTERPRETATION

- ■ Strong increase in polarization accompanied by marked decrease in resistivity.
- □ Well defined increase in polarization without marked resistivity decrease.
- □ Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000

50 0 50 100 150 200 250 300
(metres)

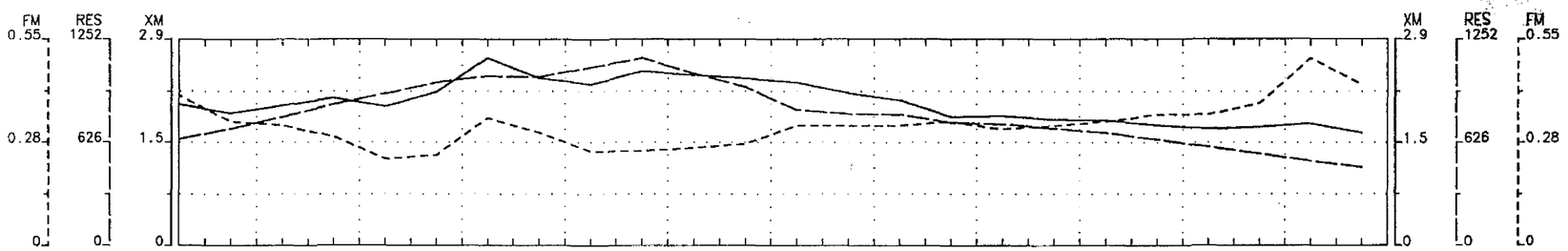
42A07SE2004 2.19233 TIMMINS 400

INTERNATIONAL CANALASKA RESOURSES LTD.

INDUCED POLARIZATION SURVEY
WARNER LAKE AREA
TIMMINS TOWNSHIP

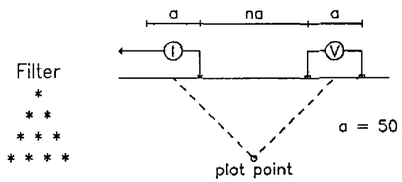
Date: 98/10/16
Interpretation: B.PATRIE

DAN PATRIE EXPLORATION LTD.



Line 500 S

Pole-Dipole Array



Filter

*
* *
* * *
* * * *

METAL FACTOR

Filter	2+00 W	1+00 W	0+00	1+00 E	2+00 E	3+00 E	4+00 E	5+00 E	6+00 E	7+00 E	8+00 E	9+00 E	Filter
	0.40	0.33	0.32	0.29	0.23	0.24	0.34	0.30	0.25	0.25	0.26	0.27	0.32	0.32	0.32	0.33	0.31	0.32	0.33	0.35	0.35	0.38	0.50	0.43	
n=1	0.59	0.45	0.58	0.62	0.37	0.29	0.79	0.64	0.40	0.43	0.45	0.33	0.48	0.55	0.68	0.75	0.63	0.62	0.67	0.75	0.68	0.69	1.2	0.68	n=1
n=2	0.43	0.42	0.28	0.19	0.21	0.29	0.35	0.33	0.22	0.28	0.27	0.34	0.48	0.34	0.32	0.32	0.33	0.40	0.42	0.40	0.51	0.49	0.48	0.41	n=2
n=3	0.31	0.31	0.17	0.19	0.26	0.27	0.32	0.22	0.16	0.25	0.25	0.34	0.28	0.24	0.34	0.23	0.37	0.30	0.28	0.27	0.36	0.37	0.31		n=3
n=4	0.11	0.22	0.23	0.40	0.10	0.27	0.16	0.18	0.14	0.30	0.30	0.32	0.21	0.19	0.33	0.20	0.23	0.19	0.25	0.17	0.28	0.28			n=4
n=5	0.14	0.17	0.25	0.20	0.17	0.17	0.21	0.11	0.28	0.26	0.19	0.25	0.12	0.13	0.13	0.27	0.11	0.28	0.17	0.29	0.23				n=5
n=6	0.14	0.15	0.25	0.28	0.13	0.16	0.15	0.23	0.22	0.33	0.17	0.21	0.23	0.21	0.14	0.24	0.29	0.10	0.22	0.19					n=6

RESISTIVITY

Ohm-m

Filter	2+00 W	1+00 W	0+00	1+00 E	2+00 E	3+00 E	4+00 E	5+00 E	6+00 E	7+00 E	8+00 E	9+00 E	Filter
	644	708	780	859	924	992	1031	1024	1084	1138	1047	965	825	800	795	748	737	710	683	644	599	556	511	474	
n=1	353	308	305	306	322	354	341	293	332	429	358	384	256	246	241	178	203	183	182	183	198	190	164	171	n=1
n=2	526	484	537	619	611	699	638	570	940	813	811	594	503	564	449	421	415	426	401	354	334	300	314	312	n=2
n=3	676	717	742	877	926	911	840	1093	1133	1204	843	683	771	684	677	605	641	626	548	487	450	472	490		n=3
n=4	952	890	968	1117	1022	1017	1356	1180	1529	1052	870	933	849	910	843	817	812	725	652	616	853	572			n=4
n=5	1190	1224	1383	1309	1199	1684	1543	1661	1305	1097	1190	1027	1094	1096	1121	1038	949	883	825	845	882				n=5
n=6	1568	1686	1506	1425	1881	1837	2060	1355	1305	1416	1253	1260	1285	1385	1342	1151	1089	1040	1098	1103					n=6

CHARGEABILITY

mV/V

Filter	2+00 W	1+00 W	0+00	1+00 E	2+00 E	3+00 E	4+00 E	5+00 E	6+00 E	7+00 E	8+00 E	9+00 E	Filter
	2	1.9	2	2.1	2	2.2	2.7	2.4	2.3	2.5	2.4	2.4	2.3	2.2	2.1	1.8	1.8	1.8	1.8	1.7	1.6	1.7	1.7	1.6	
n=1	2.1	1.4	1.8	1.9	1.2	1	2.7	1.9	1.3	1.8	1.6	1.3	1.2	1.4	1.6	1.3	1.3	1.1	1.2	1.4	1.3	1.3	2	1.2	n=1
n=2	2.3	2	1.5	1.1	1.3	2	2.2	1.9	2.1	2.1	2.2	2	2.4	1.9	1.4	1.3	1.4	1.7	1.7	1.4	1.7	1.5	1.5	1.3	n=2
n=3	2.1	2.2	1.3	1.7	2.4	2.5	2.7	2.4	1.8	3	2.1	2.3	2.2	1.7	2.3	1.4	2.3	1.9	1.6	1.4	1.6	1.8	1.5		n=3
n=4	1.1	2	2.3	4.5	1.1	2.7	2.1	2.1	2.1	3.1	2.6	3	1.8	1.8	2.8	1.6	1.9	1.4	1.6	1.1	1.8	1.9			n=4
n=5	1.7	2.1	3.4	2.6	2	2.9	3.2	1.9	3.7	2.9	2.2	2.6	1.4	1.4	1.5	2.8	1.1	2.3	1.4	2.5	2				n=5
n=6	2.2	2.5	3.8	3.9	2.4	3	3.1	3.2	2.8	4.7	2.2	2.6	2.9	2.9	1.8	2.7	3.2	1.00	2.4	2.1					n=6

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10, . .

INTERPRETATION

- ■ Strong increase in polarization accompanied by marked decrease in resistivity.
- □ Well defined increase in polarization without marked resistivity decrease.
- □ Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000

50 0 50 100 150 200 250 300

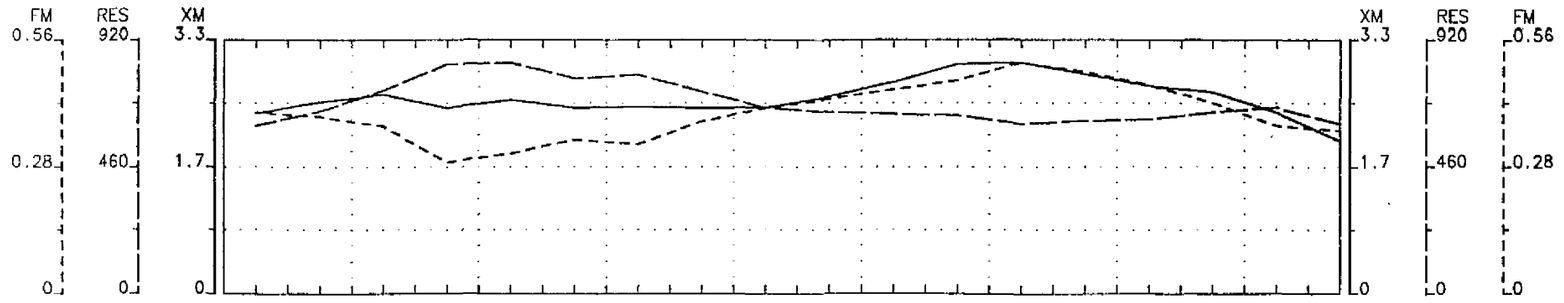
(metres)

INTERNATIONAL CANALASKA RESOURSES LTD.

INDUCED POLARIZATION SURVEY
WARNER LAKE AREA
TIMMINS TOWNSHIP

Date: 98/10/16
Interpretation: B.PATRIE

DAN PATRIE EXPLORATION LTD.



METAL FACTOR

Filter	9+00 W		8+00 W		7+00 W		6+00 W		5+00 W		4+00 W		3+00 W		2+00 W		1+00 W			Filter
	0.40	0.39	0.37	0.29	0.31	0.34	0.33	0.38	0.41	0.43	0.45	0.47	0.51	0.49	0.46	0.42	0.37	0.36		
n=1	0.57	0.36	0.41	0.30	0.37	0.49	0.51	0.58	0.61	0.60	0.63	0.51	0.60	0.70	0.61	0.49	0.48	0.48		n=1
n=2	0.28	0.27	0.72	0.21	0.24	0.33	0.36	0.35	0.57	0.44	0.44	0.40	0.53	0.50	0.47	0.56	0.53	0.30		n=2
n=3	0.26	0.44	0.26	0.13	0.25	0.25	0.30	0.17	0.53	0.36	0.34	0.49	0.58	0.58	0.32	0.34	0.27			n=3
n=4	0.38	0.26	0.23	0.19	0.31	0.28	0.40	0.25	0.41	0.37	0.53	0.50	0.50	0.38	0.31	0.24				n=4
n=5	0.32	0.26	0.42	0.45	0.25	0.36	0.30	0.29	0.27	0.51	0.53	0.47	0.72	0.28	0.26					n=5
n=6	0.91	0.33	0.43	0.23	0.18	0.21	0.21	0.26	0.61	0.35	0.42	0.51	0.44	0.26						n=6

METAL FACTOR

RESISTIVITY
Ohm-m

Filter	9+00 W		8+00 W		7+00 W		6+00 W		5+00 W		4+00 W		3+00 W		2+00 W		1+00 W			Filter
	607	659	735	830	836	778	792	729	674	658	649	644	613	624	630	656	673	614		
n=1	319	304	415	473	384	297	357	293	256	301	312	319	219	258	268	316	389	392		n=1
n=2	447	547	421	606	782	619	536	606	419	470	516	532	437	429	421	503	636	677		n=2
n=3	622	653	749	876	763	834	887	858	600	581	641	566	610	560	598	728	786			n=3
n=4	700	879	897	798	992	953	890	831	712	669	620	713	695	698	769	777				n=4
n=5	992	985	847	1022	1027	1010	897	978	834	690	781	829	894	912	825					n=5
n=6	1058	970	1256	1175	1604	1246	1041	1146	852	852	881	1003	1119	959						n=6

RESISTIVITY
Ohm-m

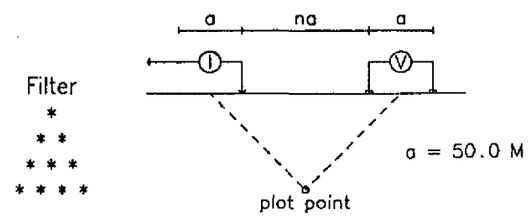
CHARGEABILITY
mV/V

Filter	9+00 W		8+00 W		7+00 W		6+00 W		5+00 W		4+00 W		3+00 W		2+00 W		1+00 W			Filter
	2.4	2.5	2.6	2.4	2.5	2.4	2.5	2.4	2.4	2.6	2.8	3	3	2.9	2.7	2.6	2.4	2		
n=1	1.8	1.1	1.7	1.4	1.4	1.5	1.8	1.7	1.6	1.8	2	1.6	1.3	1.8	1.6	1.6	1.9	1.9		n=1
n=2	1.3	1.5	3	1.3	1.8	2.1	1.9	2.1	2.4	2	2.3	2.1	2.3	2.1	2	2.8	3.3	2		n=2
n=3	1.6	2.9	1.9	1.1	1.9	2.1	2.1	1.1	3.2	2.1	2.2	2.8	3.5	3.2	1.9	2.5	2			n=3
n=4	2.6	2.3	2	1.5	3.1	2.7	2.7	2.1	2.9	2.5	3.3	3.5	3.5	2.6	2.3	1.9				n=4
n=5	3.2	2.5	3.6	4.6	2.6	3.7	2.7	2.8	2.3	3.5	4.2	3.9	6.4	2.5	2.2					n=5
n=6	9.7	3.2	5.4	2.7	2.9	2.6	2.2	3	5.2	3	3.7	5.1	4.9	2.5						n=6

CHARGEABILITY
mV/V

Line 1300 S

Pole-Dipole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,..

INTERPRETATION

- ■ Strong increase in polarization accompanied by marked decrease in resistivity.
- □ Well defined increase in polarization without marked resistivity decrease.
- □ Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000

50 0 50 100 150 200 250 300

(metres)

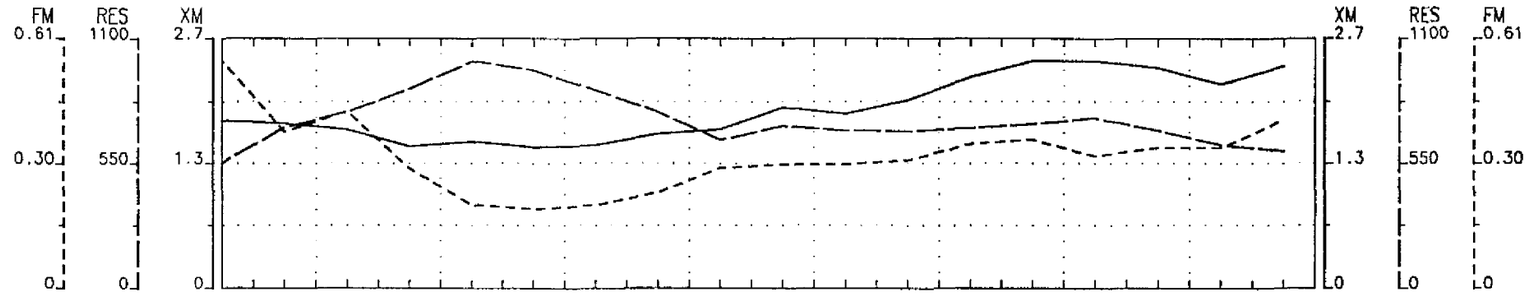
42A07SE2004 2.19233 TIMMINS 420

INTERNATIONAL CANALASKA RESOURSES LTD.

INDUCED POLARIZATION SURVEY
WARNER LAKE AREA
TIMMINS TOWNSHIP

Date: 98/10/16
Interpretation: B.PATRIE

DAN PATRIE EXPLORATION LTD.



METAL FACTOR

	9+00 W		8+00 W		7+00 W		6+00 W		5+00 W		4+00 W		3+00 W		2+00 W		1+00 W		
Filter	0.55	0.38	0.43	0.29	0.20	0.19	0.20	0.23	0.29	0.30	0.30	0.31	0.35	0.36	0.32	0.34	0.34	0.41	Filter
n=1	0.92	0.71	1.2	0.83	0.41	0.34	0.23	0.24	0.52	0.51	0.49	0.28	0.45	0.52	0.26	0.36	0.31	0.52	n=1
n=2	0.40	0.45	0.38	0.20	0.23	0.22	0.29	0.37	0.25	0.33	0.35	0.61	0.36	0.38	0.28	0.39	0.46	0.47	n=2
n=3	0.41	0.16	0.23	0.16	0.14	0.16	0.22	0.18	0.21	0.26	0.28	0.19	0.26	0.36	0.23	0.27	0.31		n=3
n=4	0.27	0.17	0.10	0.12	0.14	0.21	0.28	0.33	0.29	0.25	0.18	0.31	0.34	0.24	0.20	0.23			n=4
n=5	0.080	0.080	0.090	0.13	0.19	0.23	0.14	0.26	0.28	0.21	0.27	0.51	0.49	0.47	0.39				n=5
n=6	0.080	0.070	0.070	0.12	0.23	0.21	0.34	0.20	0.30	0.21	0.17	0.40	0.48	0.38					n=6

METAL FACTOR

RESISTIVITY
Ohm-m

	9+00 W		8+00 W		7+00 W		6+00 W		5+00 W		4+00 W		3+00 W		2+00 W		1+00 W		
Filter	552	711	779	880	1000	961	874	778	653	716	696	694	707	724	751	695	632	606	Filter
n=1	200	285	188	225	409	370	432	420	238	373	259	253	272	301	474	371	329	386	n=1
n=2	449	441	383	643	771	680	550	469	523	521	507	421	535	513	557	428	425	486	n=2
n=3	553	625	865	969	1086	924	549	784	554	711	689	633	670	694	670	621	595		n=3
n=4	726	1159	1147	1279	1218	617	833	758	633	868	886	709	829	808	776	697			n=4
n=5	1362	1504	1512	1383	836	947	824	978	687	1092	1040	899	966	906	997				n=5
n=6	1732	1898	1567	925	1233	911	1008	1156	700	1234	1233	1018	1060	1149					n=6

RESISTIVITY
Ohm-m

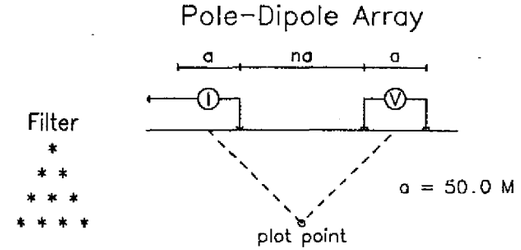
CHARGEABILITY
mV/V

	9+00 W		8+00 W		7+00 W		6+00 W		5+00 W		4+00 W		3+00 W		2+00 W		1+00 W		
Filter	1.8	1.8	1.7	1.5	1.6	1.5	1.5	1.7	1.7	1.9	1.9	2	2.3	2.4	2.4	2.4	2.2	2.4	Filter
n=1	1.8	2	2.2	1.9	1.7	1.3	1.00	0.99	1.2	1.9	1.3	0.72	1.2	1.6	1.3	1.3	1	2	n=1
n=2	1.8	2	1.5	1.3	1.8	1.5	1.6	1.8	1.3	1.7	1.8	2.6	1.9	2	1.5	1.6	1.9	2.3	n=2
n=3	2.3	1	2	1.6	1.5	1.5	1.2	1.4	1.2	1.9	1.9	1.2	1.7	2.5	1.6	1.7	1.9		n=3
n=4	2	1.9	1.1	1.5	1.7	1.3	2.3	2.5	1.8	2.2	1.6	2.2	2.8	2	1.5	1.6			n=4
n=5	1	1.3	1.3	1.8	1.5	2.2	1.1	2.5	1.9	2.3	2.8	4.6	4.8	4.3	3.8				n=5
n=6		1.3	1.4	1.1	1.1	2.8	2	3.4	2.3	2.1	2.6	2.1	4.1	5.1	4.4				n=6

CHARGEABILITY
mV/V

Line 1500 S

Pole-Dipole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,..

INTERPRETATION

- ■ Strong increase in polarization accompanied by marked decrease in resistivity.
- ◘ Well defined increase in polarization without marked resistivity decrease.
- □ Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000

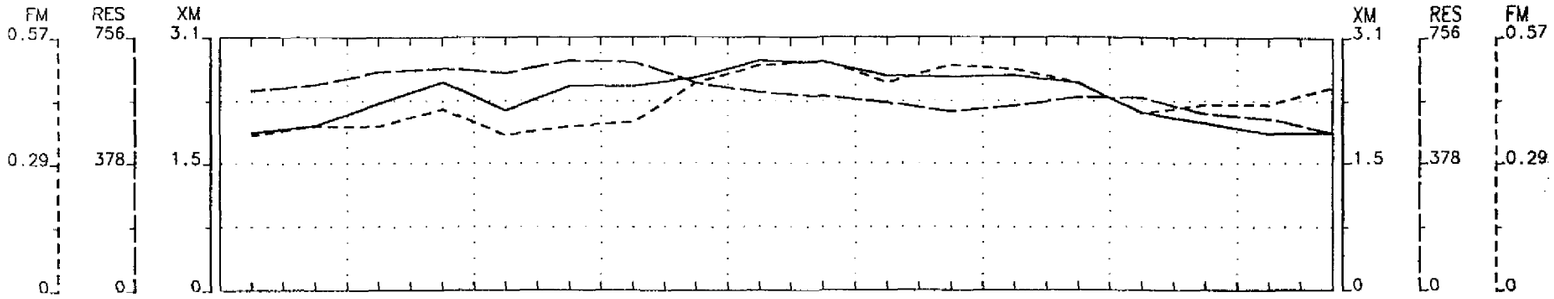
50 0 50 100 150 200 250 300
(metres)

NTERNATIONAL CANALASKA RESOURSES LTD.

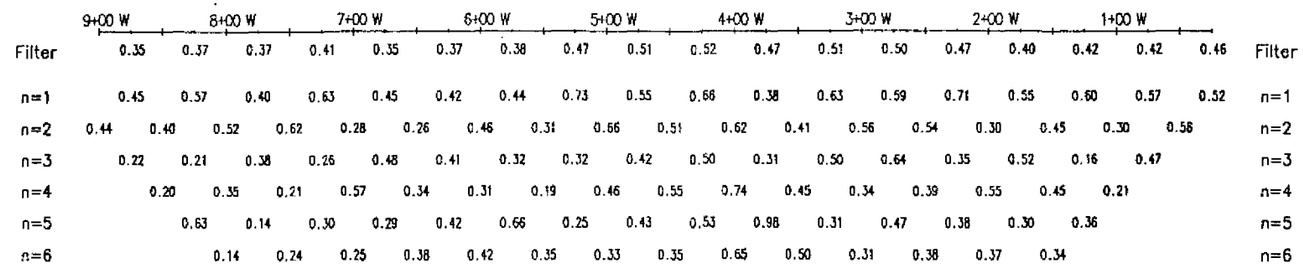
INDUCED POLARIZATION SURVEY
WARNER LAKE AREA
TIMMINS TOWNSHIP

Date: 98/10/16
Interpretation: B.PATRIE

DAN PATRIE EXPLORATION LTD.

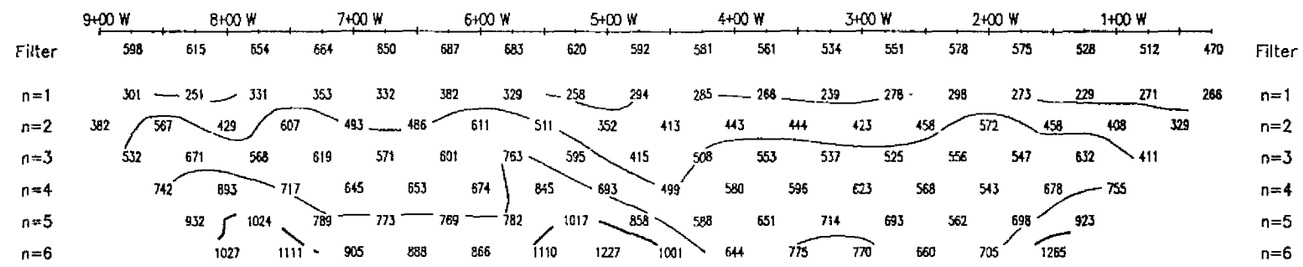


METAL FACTOR



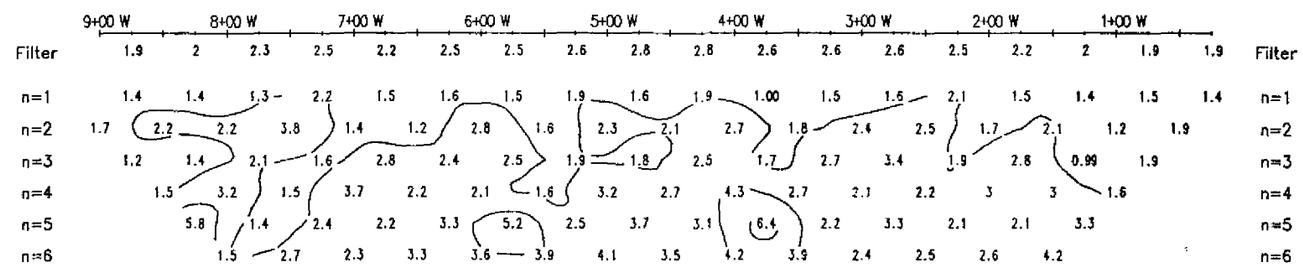
METAL FACTOR

RESISTIVITY
Ohm-m



RESISTIVITY
Ohm-m

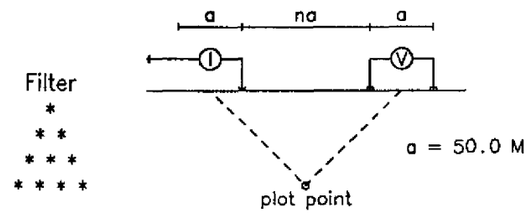
CHARGEABILITY
mV/V



CHARGEABILITY
mV/V

Line 1700 S

Pole-Dipole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,..

INTERPRETATION

- ■ Strong increase in polarization accompanied by marked decrease in resistivity.
- □ Well defined increase in polarization without marked resistivity decrease.
- □ Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000

50 0 50 100 150 200 250 300
(metres)

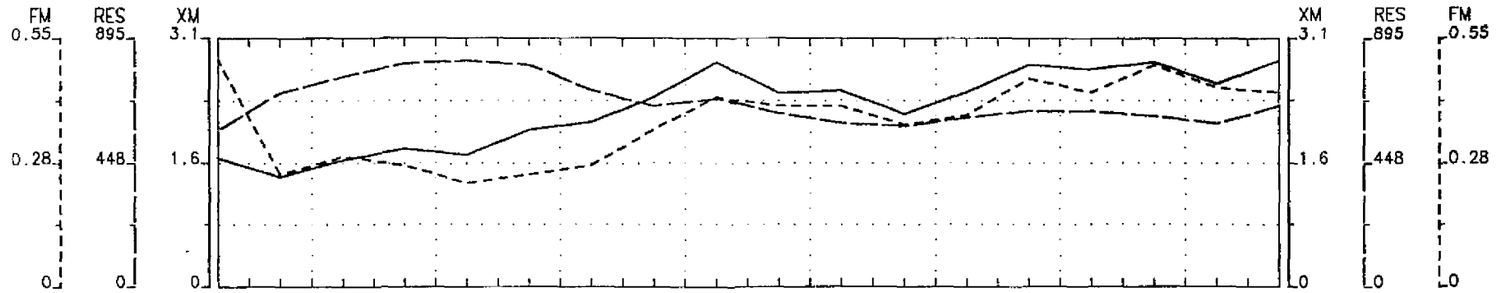
42A07SE2004 2.19233 TIMMINS 440

NTERNATIONAL CANALASKA RESOURSES LTD.

INDUCED POLARIZATION SURVEY
WARNER LAKE AREA
TIMMINS TOWNSHIP

Date: 98/10/16
Interpretation: B.PATRIE

DAN PATRIE EXPLORATION LTD.



METAL FACTOR

Filter	9+00 W			8+00 W			7+00 W			6+00 W			5+00 W			4+00 W			3+00 W			2+00 W			Filter
	0.50	0.25	0.29	0.27	0.23	0.25	0.27	0.35	0.42	0.40	0.40	0.36	0.38	0.46	0.43	0.49	0.44	0.43							
n=1	0.91	0.31	0.59	0.58	0.35	0.28	0.10	0.34	0.49	0.51	0.36	0.25	0.26	0.60	0.48	0.75	0.49								n=1
n=2		0.29	0.39	0.32	0.24	0.29	0.15	0.22	0.29	0.43	0.38	0.36	0.23	0.30	0.32	0.31	0.27	0.29							n=2
n=3			0.27	0.29	0.16	0.19	0.15	0.18	0.51	0.21	0.49	0.32	0.20	0.36	0.51	0.34	0.45	0.70	0.33						n=3
n=4				0.12	0.14	0.14	0.16	0.21	0.45	0.28	0.38	0.44	0.39	0.83	0.59	0.49	0.43	0.48	0.51						n=4
n=5					0.11	0.070	0.19	0.25	0.37	0.42	0.56	0.46	0.22	0.27	0.52	0.45	0.74	0.44	0.38						n=5
n=6						0.11	0.090	0.13	0.57	0.26	0.91	0.38	0.39	0.34	0.23	0.36	0.39	0.48	0.36						n=6

METAL FACTOR

RESISTIVITY
Ohm-m

Filter	9+00 W			8+00 W			7+00 W			6+00 W			5+00 W			4+00 W			3+00 W			2+00 W			Filter
	566	699	757	806	814	800	708	652	679	625	592	579	610	634	632	616	589	652							
n=1	212	298	270	320	294	344	313	262	341	254	294	230	248	262	341	297	304								n=1
n=2	457	502	561	544	620	533	367	502	510	385	360	389	446	488	450	700	422								n=2
n=3	677	781	752	883	769	488	628	698	567	446	506	568	648	601	512	562	580								n=3
n=4	925	941	1105	956	618	779	795	694	549	565	669	732	683	655	607	757									n=4
n=5	1121	1375	1211	784	1033	999	847	718	743	816	910	815	783	759	820										n=5
n=6	1584	1399	923	1194	1252	983	822	900	992	1059	959	880	885	1018											n=6

RESISTIVITY
Ohm-m

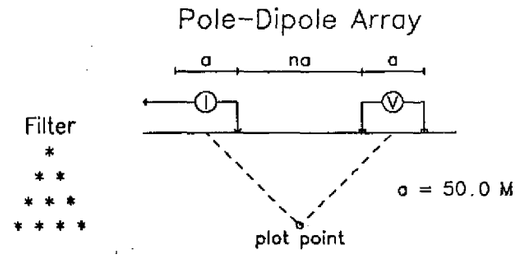
CHARGEABILITY
mV/V

Filter	9+00 W			8+00 W			7+00 W			6+00 W			5+00 W			4+00 W			3+00 W			2+00 W			Filter
	1.6	1.4	1.6	1.8	1.7	2	2.1	2.4	2.8	2.5	2.5	2.2	2.5	2.8	2.8	2.8	2.6	2.9							
n=1	1.9	0.91	1.6	1.9	1	0.96	0.32	0.89	1.7	1.3	1	0.57	0.64	1.6	1.6	2.2	1.5								n=1
n=2	1.3	1.9	1.8	1.3	1.8	0.81	0.80	1.5	2.2	1.5	1.3	0.89	1.3	1.6	1.4	1.9	1.2								n=2
n=3		1.8	2.3	1.2	1.7	1.1	0.86	3.2	1.5	2.8	1.4	1	2	3.3	2.1	2.3	3.9	1.9							n=3
n=4			1.1	1.3	1.5	1.5	1.3	3.5	2.2	2.6	2.4	2.2	5.6	4.3	3.3	2.8	2.9	3.8							n=4
n=5			1.2	1	2.3	2	3.8	4.2	4.8	3.3	1.7	2.2	4.8	3.6	5.8	3.3	3.1								n=5
n=6				1.7	1.3	1.2	6.8	3.3	9	3.2	3.5	3.4	2.4	3.5	3.5	4.3	3.7								n=6

CHARGEABILITY
mV/V

Line 1800 S

Pole-Dipole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,..

INTERPRETATION

- ■ Strong increase in polarization accompanied by marked decrease in resistivity.
- ◘ Well defined increase in polarization without marked resistivity decrease.
- □ Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000

50 0 50 100 150 200 250 300

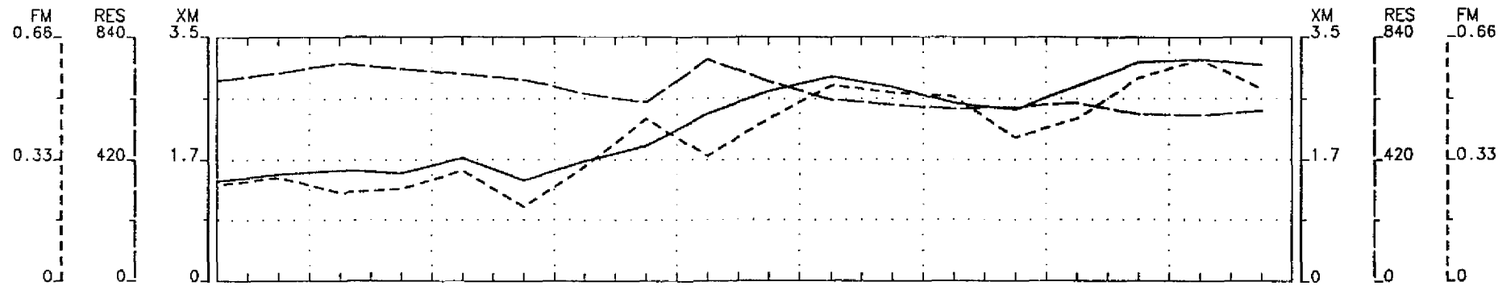
(metres)

INTERNATIONAL CANALASKA RESOURSES LTD.

INDUCED POLARIZATION SURVEY
WARNER LAKE AREA
TIMMINS TOWNSHIP

Date: 98/10/16
Interpretation: B.PATRIE

DAN PATRIE EXPLORATION LTD.



METAL FACTOR

Filter	9+00 W			8+00 W			7+00 W			6+00 W			5+00 W			4+00 W			3+00 W			2+00 W			1+00 W	Filter
	0.26	0.28	0.24	0.25	0.30	0.20	0.31	0.44	0.34	0.44	0.53	0.51	0.50	0.39	0.44	0.55	0.60	0.52								
n=1	0.38	0.52	0.36	0.52	0.61	0.040	0.45	1	0.46	0.28	0.58	0.68	0.99	0.060	0.080	0.50	0.74	0.52								n=1
n=2	0.75	0.33	0.20	0.19	0.37	0.22	0.61	0.57	0.22	0.78	0.31	0.27	0.44	0.73	0.68	0.70	0.41	0.40								n=2
n=3	0.14	0.12	0.25	0.18	0.30	0.27	0.27	0.16	0.43	1.3	0.43	0.46	0.20	0.65	0.61	0.56	0.68									n=3
n=4	0.10	0.23	0.18	0.19	0.43	0.30	0.37	0.30	0.61	1	0.31	0.38	0.51	0.79	0.73	0.61										n=4
n=5	0.17	0.11	0.17	0.17	0.13	0.18	0.22	0.18	0.80	0.69	0.43	0.16	0.16	0.61	0.57											n=5
n=6	0.10	0.13	0.55	0.13	0.20	0.11	0.20	0.19	0.25	0.35	0.54	0.23	0.29	0.56												n=6

METAL FACTOR

RESISTIVITY
Ohm-m

Filter	9+00 W			8+00 W			7+00 W			6+00 W			5+00 W			4+00 W			3+00 W			2+00 W			1+00 W	Filter
	691	717	750	731	713	694	645	617	764	687	626	608	596	601	615	577	572	589								
n=1	370	269	310	340	317	302	269	171	424	239	209	211	198	211	392	270	196	255								n=1
n=2	576	713	552	536	539	467	311	499	645	368	359	386	344	433	586	451	763	613								n=2
n=3	1026	842	720	679	563	418	558	638	790	448	463	479	549	485	512	591	573									n=3
n=4	1085	824	868	809	612	837	732	582	837	538	550	703	574	605	689	678										n=4
n=5	1064	979	942	848	1006	916	844	802	958	674	821	748	722	748	824											n=5
n=6	1259	986	989	1206	1238	1095	958	851	2311	976	848	914	938	928												n=6

RESISTIVITY
Ohm-m

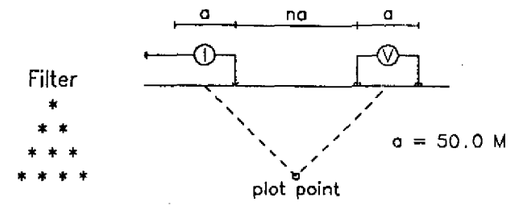
CHARGEABILITY
mV/V

Filter	9+00 W			8+00 W			7+00 W			6+00 W			5+00 W			4+00 W			3+00 W			2+00 W			1+00 W	Filter
	1.4	1.5	1.6	1.5	1.8	1.4	1.7	1.9	2.4	2.7	2.9	2.8	2.5	2.4	2.8	3.1	3.2	3.1								
n=1	1.4	1.4	1.1	1.8	1.9	0.12	1.2	1.8	2	0.68	1.2	1.4	2	0.13	0.31	1.4	1.5	1.3								n=1
n=2	1.4	2.4	1.1	1	2	1	1.9	2.8	1.4	2.9	1.1	1.1	1.5	3.2	3.8	3.1	3.1	2.4								n=2
n=3	1.5	1	1.8	1.2	1.7	1.1	1.5	1	3.4	5.9	2	2.2	1.1	3.2	3.1	3.3	3.9									n=3
n=4	1.1	1.9	1.5	1.5	2.7	2.5	2.7	1.7	5.1	5.5	1.7	2.7	2.9	4.8	5	4.1										n=4
n=5	1.8	1.1	1.6	1.1	1.3	1.7	1.8	1.5	7.6	4.7	3.5	1.2	1.2	4.6	4.7											n=5
n=6	1.3	1.3	5.4	1.5	2.4	1.2	1.9	1.6	5.7	3.4	4.5	2.1	2.7	5.2												n=6

CHARGEABILITY
mV/V

Line 1900 S

Pole-Dipole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10, . .

INTERPRETATION

- ■ Strong increase in polarization accompanied by marked decrease in resistivity.
- ◘ Well defined increase in polarization without marked resistivity decrease.
- □ Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000

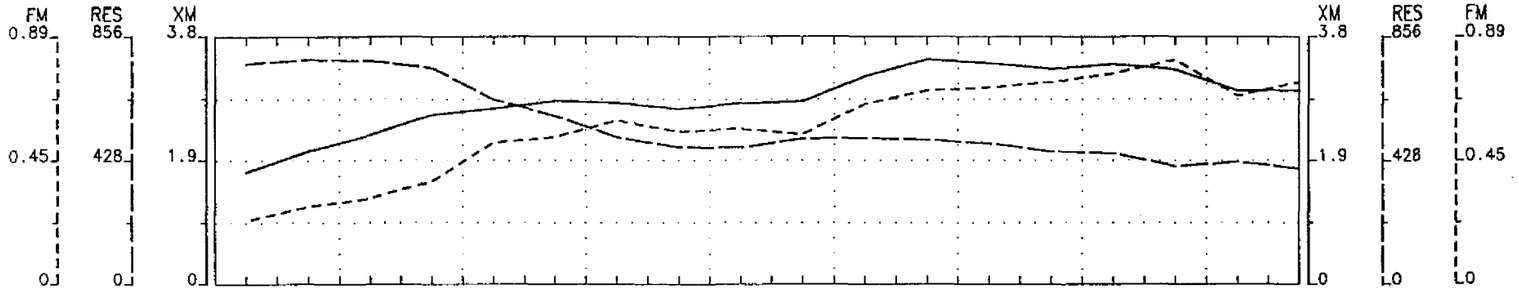
50 0 50 100 150 200 250 300
(metres)

NTERNATIONAL CANALASKA RESOURSES LTD.

INDUCED POLARIZATION SURVEY
WARNER LAKE AREA
TIMMINS TOWNSHIP

Date: 98/10/16
Interpretation: B.PATRIE

DAN PATRIE EXPLORATION LTD.



METAL FACTOR

Filter	9+00 W			8+00 W			7+00 W			6+00 W			5+00 W			4+00 W			3+00 W			2+00 W			1+00 W			Filter
	0.23	0.28	0.31	0.37	0.51	0.53	0.59	0.55	0.56	0.54	0.65	0.70	0.71	0.73	0.76	0.81	0.68	0.73										
n=1	0.23	0.35	0.38	0.36	0.81	0.71	0.84	0.58	0.40	0.32	0.73	0.62	0.56	0.66	0.62	0.79	0.84	0.70										n=1
n=2	0.22	0.29	0.33	0.42	0.53	0.46	0.53	0.45	0.53	0.61	0.41	0.56	0.68	0.57	0.61	0.91	0.49	0.51										n=2
n=3	0.19	0.21	0.38	0.35	0.45	0.59	0.27	0.40	0.33	0.39	0.82	1.4	0.55	0.57	1.1	0.60	0.56											n=3
n=4	0.17	0.31	0.25	0.27	0.26	0.40	0.65	0.69	0.58	0.82	0.90	0.92	0.67	0.87	0.69	0.52												n=4
n=5	0.23	0.22	0.24	0.36	0.57	1.2	0.79	0.38	0.59	0.58	0.55	0.40	1	0.68	1.4													n=5
n=6	0.19	0.20	0.29	0.46	0.87	0.71	0.68	0.64	0.46	0.45	0.38	0.71	1	1.4														n=6

METAL FACTOR

RESISTIVITY
Ohm-m

Filter	9+00 W			8+00 W			7+00 W			6+00 W			5+00 W			4+00 W			3+00 W			2+00 W			1+00 W			Filter
	765	778	774	750	640	584	508	474	472	503	506	499	487	459	452	408	423	399										
n=1	468	406	351	392	197	239	187	232	264	259	211	255	273	239	292	200	255	269										n=1
n=2	721	592	529	538	380	353	370	282	321	313	406	358	397	378	435	353	405	423										n=2
n=3	817	689	774	636	529	431	445	292	370	486	525	446	427	474	337	436	490											n=3
n=4	907	952	905	819	634	507	488	433	514	560	619	481	515	448	488	568												n=4
n=5	1200	1068	1177	983	804	548	556	684	603	707	699	607	450	536	550													n=5
n=6	1307	1327	1365	1190	847	647	717	748	799	772	857	621	649	493														n=6

RESISTIVITY
Ohm-m

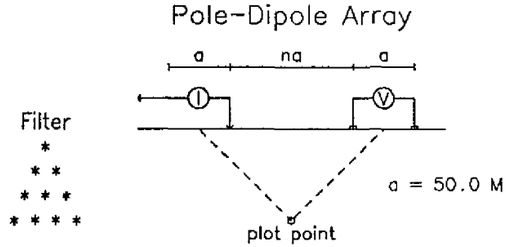
CHARGEABILITY
mV/V

Filter	9+00 W			8+00 W			7+00 W			6+00 W			5+00 W			4+00 W			3+00 W			2+00 W			1+00 W			Filter
	1.7	2	2.3	2.6	2.7	2.8	2.8	2.7	2.8	2.8	3.2	3.5	3.4	3.3	3.4	3.3	3	3										
n=1	1.1	1.4	1.4	1.4	1.6	1.7	1.6	1.4	1.1	0.83	1.5	1.6	1.5	1.6	1.8	1.6	1.6	1.9										n=1
n=2	1.6	1.7	1.7	2.3	2	1.6	2	1.3	1.7	1.9	1.6	2	2.7	2.2	2.7	3.2	2	2.1										n=2
n=3	1.5	1.5	2.9	2.2	2.4	2.5	1.2	1.2	1.2	1.9	4.3	6	2.3	2.7	3.8	2.6	2.7											n=3
n=4	1.5	3	2.3	2.2	1.6	2	3	3	3	4.6	5.6	4.4	3.4	3.9	3.4	3												n=4
n=5	2.8	2.4	2.8	3.5	4.6	6.6	4.4	2.8	3.5	4.1	3.8	2.4	4.7	3.6	7.9													n=5
n=6	2.5	2.6	3.9	5.4	7.3	4.6	4.9	4.8	3.7	3.4	3.3	4.4	6.7	6.8														n=6

CHARGEABILITY
mV/V

Line 2000 S

Pole-Dipole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,..

INTERPRETATION

- ■ Strong increase in polarization accompanied by marked decrease in resistivity.
- □ Well defined increase in polarization without marked resistivity decrease.
- □ Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000

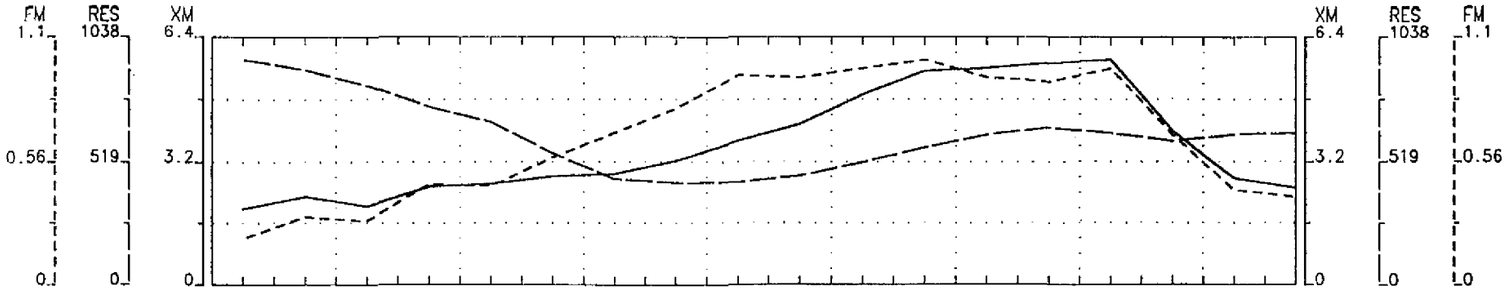
50 0 50 100 150 200 250 300
(metres)

NTERNATIONAL CANALASKA RESOURSES LTD.

INDUCED POLARIZATION SURVEY
WARNER LAKE AREA
TIMMINS TOWNSHIP

Date: 98/10/16
Interpretation: B.PATRIE

DAN PATRIE EXPLORATION LTD.



METAL FACTOR

Filter	9+00 W		8+00 W		7+00 W		6+00 W		5+00 W		4+00 W		3+00 W		2+00 W		1+00 W			Filter
	0.21	0.31	0.29	0.46	0.45	0.58	0.69	0.80	0.95	0.94	0.98	1	0.94	0.92	0.98	0.68	0.43	0.40		
n=1	0.15	0.56	0.36	0.91	0.55	0.61	0.75	0.68	0.78	0.69	0.43	0.56	1.2	1	1.3	0.46	0.37	0.39		n=1
n=2	0.36	0.33	0.39	0.38	0.68	0.55	1	0.36	1.9	1.2	0.75	2.3	0.66	1.2	1	1.6	0.40	0.41		n=2
n=3	0.27	0.22	0.28	0.23	0.33	0.41	0.61	0.95	0.96	0.72	2.3	0.88	0.74	0.76	1.3	0.35	0.31			n=3
n=4	0.090	0.18	0.23	0.36	0.45	0.45	0.82	1.3	0.50	1.1	0.98	0.92	1	0.86	0.69	0.36				n=4
n=5	0.15	0.18	0.23	0.43	0.46	0.38	0.84	0.69	0.55	1.1	0.88	1.4	0.80	0.59	0.42					n=5
n=6	0.14	0.15	0.36	0.36	1.2	0.92	0.72	0.78	1.1	0.52	1.2	0.74	0.70	0.54						n=6

METAL FACTOR

RESISTIVITY
Ohm-m

Filter	9+00 W		8+00 W		7+00 W		6+00 W		5+00 W		4+00 W		3+00 W		2+00 W		1+00 W			Filter
	944	903	835	748	683	553	447	430	433	460	517	577	631	659	637	605	631	638		
n=1	425	377	277	268	338	316	198	274	201	201	244	285	324	366	404	375	469	532		n=1
n=2	952	748	580	564	356	421	281	283	213	227	323	347	426	504	583	475	516	570		n=2
n=3	973	991	672	873	526	440	488	281	260	345	368	527	584	690	519	672	740			n=3
n=4	1223	1205	1177	577	518	557	354	342	445	487	550	613	747	680	690	779				n=4
n=5	1388	1472	1082	654	657	622	432	477	640	638	645	835	726	727	793					n=5
n=6	1653	1788	1189	810	726	765	590	678	766	1943	888	778	954	878						n=6

RESISTIVITY
Ohm-m

CHARGEABILITY
mV/V

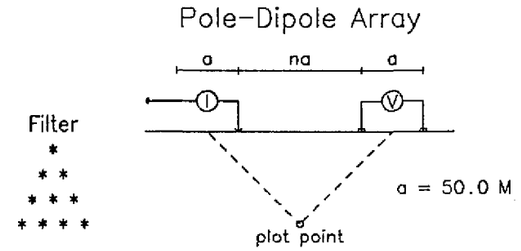
Filter	9+00 W		8+00 W		7+00 W		6+00 W		5+00 W		4+00 W		3+00 W		2+00 W		1+00 W			Filter
	2	2.3	2	2.6	2.6	2.8	2.9	3.2	3.8	4.2	4.9	5.6	5.6	5.8	5.8	4	2.8	2.5		
n=1	0.62	2.1	1.00	2.4	1.9	1.9	1.5	1.9	1.6	1.4	1.1	1.6	3.9	3.8	5.4	1.7	1.7	2.1		n=1
n=2	3.4	2.5	2.3	2.2	2.4	2.3	2.9	1	4	2.7	2.4	7.9	2.8	5.9	5.9	7.8	2.1	2.4		n=2
n=3	2.7	2.2	1.9	2	1.7	1.8	3	2.7	2.5	2.5	6.5	4.6	4.3	5.3	6.7	2.3	2.3			n=3
n=4	1.1	2.1	2.7	2.1	2.3	2.5	2.9	4.5	2.2	5.3	5.4	5.6	7.9	5.9	4.7	2.8				n=4
n=5	2.2	2.7	2.5	2.8	3	2.4	3.6	3.3	3.5	7.2	5.7	11	5.8	4.3	3.3					n=5
n=6	2.3	2.6	4.2	2.9	8.8	7	4.2	5.2	8.4	10	11	5.7	6.7	4.8						n=6

CHARGEABILITY
mV/V

Geosoft Software for the Earth Sciences

Line 2100 S

Pole-Dipole Array



2.19233

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,..

INTERPRETATION

- ■ Strong increase in polarization accompanied by marked decrease in resistivity.
- □ Well defined increase in polarization without marked resistivity decrease.
- □ Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000

50 0 50 100 150 200 250 300
(metres)

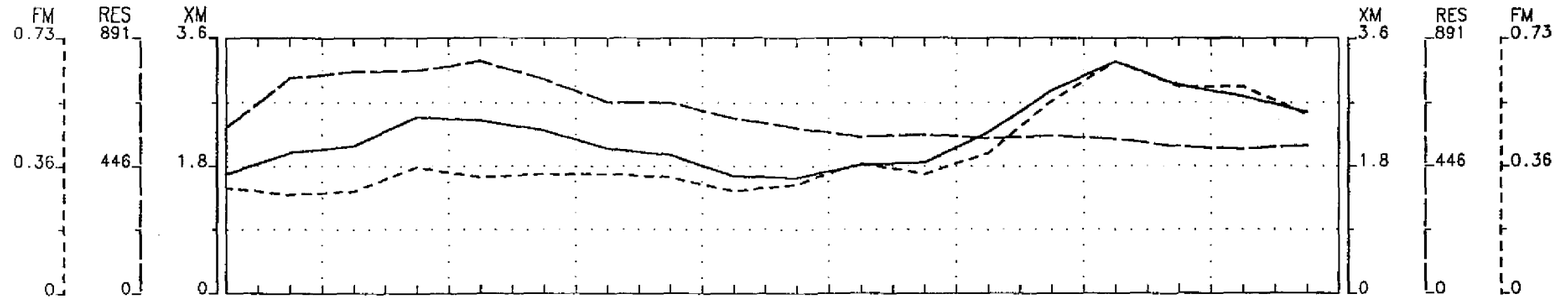
42A07SE2004 2.19233 TIMMINS 480

NTERNATIONAL CANALASKA RESOURSES LTD.

INDUCED POLARIZATION SURVEY
WARNER LAKE AREA
TIMMINS TOWNSHIP

Date: 98/10/16
Interpretation: B.PATRIE

DAN PATRIE EXPLORATION LTD.



METAL FACTOR

Filter	9+00 W			8+00 W			7+00 W			6+00 W			5+00 W			4+00 W			3+00 W			2+00 W			1+00 W	Filter
	0.30	0.28	0.29	0.36	0.33	0.34	0.34	0.33	0.29	0.31	0.37	0.34	0.40	0.55	0.66	0.59	0.59	0.51								
n=1	0.22	0.24	0.41	0.62	0.53	0.63	0.63	0.65	0.42	0.45	0.61	0.36	0.11	0.65	0.96	0.53	0.74	0.58								n=1
n=2		0.40	0.18	0.22	0.28	0.28	0.36	0.27	0.25	0.32	0.33	0.31	0.27	0.52	0.47	0.45	0.56	0.34	0.67							n=2
n=3			0.51	0.23	0.22	0.16	0.24	0.24	0.24	0.25	0.42	0.42	0.27	0.46	0.95	0.48	1.3	0.53	0.30							n=3
n=4				0.32	0.18	0.27	0.58	0.19	0.18	0.20	0.33	0.29	0.18	0.39	0.18	1	0.49	0.73	0.26							n=4
n=5					0.21	0.33	0.23	0.73	0.12	0.16	0.17	0.32	0.37	0.40	0.43	0.45	0.66	0.68	0.26							n=5
n=6						0.22	0.28	0.31	0.57	0.15	0.19	0.28	0.18	0.25	0.19	0.54	0.51	0.64	0.51							n=6

METAL FACTOR

RESISTIVITY
Ohm-m

Filter	9+00 W			8+00 W			7+00 W			6+00 W			5+00 W			4+00 W			3+00 W			2+00 W			1+00 W	Filter
	581	753	774	778	810	749	670	668	613	580	547	556	544	553	542	514	505	519								
n=1	343	498	413	238	310	253	176	255	224	255	218	249	230	246	296	277	267	309								n=1
n=2		466	764	587	622	580	363	438	447	403	357	399	385	407	414	368	315	409	427							n=2
n=3			507	775	624	820	572	642	586	579	448	508	477	539	502	489	406	457	623							n=3
n=4				589	1177	891	945	866	773	695	580	602	574	632	612	565	529	582	671							n=4
n=5					1449	1282	910	1050	1040	928	723	806	694	752	716	703	636	736	826							n=5
n=6						1446	1014	1360	1158	1174	925	938	866	886	838	795	757	859	1019							n=6

RESISTIVITY
Ohm-m

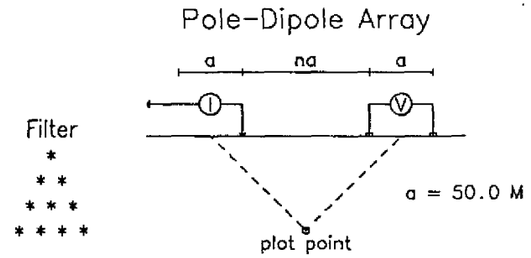
CHARGEABILITY
mV/V

Filter	9+00 W			8+00 W			7+00 W			6+00 W			5+00 W			4+00 W			3+00 W			2+00 W			1+00 W	Filter
	1.7	2	2.1	2.5	2.5	2.3	2.1	2	1.7	1.6	1.8	1.9	2.3	2.9	3.3	3	2.8	2.6								
n=1	0.75	1.2	1.7	1.5	1.6	1.6	1.1	1.6	0.95	1.2	1.3	0.89	0.26	1.6	2.8	1.5	2	1.8								n=1
n=2		1.9	1.4	1.3	1.8	1.6	1.3	1.2	1.1	1.3	1.2	1.2	1	2.1	2	1.7	1.8	1.4	2.9							n=2
n=3			2.6	1.8	1.4	1.3	1.4	1.6	1.4	1.4	1.9	2.1	1.3	2.5	4.8	2.4	5.3	2.4	1.8							n=3
n=4				1.9	2.2	2.4	5.4	1.7	1.4	1.4	1.9	1.8	1	2.5	1.1	5.9	2.6	4.3	1.7							n=4
n=5					3.1	4.3	2.1	7.6	1.3	1.5	1.2	2.6	2.6	3	3.1	3.1	4.2	5	2.2							n=5
n=6						3.2	2.9	4.2	6.6	1.7	1.8	2.7	1.6	2.2	1.6	4.3	3.9	5.5	5.2							n=6

CHARGEABILITY
mV/V

Line 2200 S

Pole-Dipole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,..

INTERPRETATION

- ■ Strong increase in polarization accompanied by marked decrease in resistivity.
- □ Well defined increase in polarization without marked resistivity decrease.
- □ Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000

50 0 50 100 150 200 250 300
(metres)

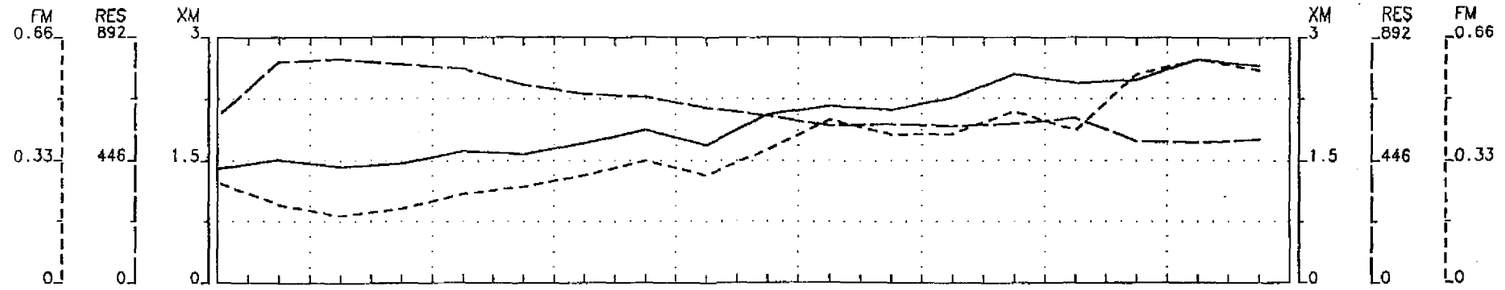
42A07SE2004 2.19233 TIMMINS 490

NTERNATIONAL CANALASKA RESOURSES LTD.

INDUCED POLARIZATION SURVEY
WARNER LAKE AREA
TIMMINS TOWNSHIP

Date: 98/10/16
Interpretation: B.PATRIE

DAN PATRIE EXPLORATION LTD.



METAL FACTOR

Filter	9+00 W			8+00 W			7+00 W			6+00 W			5+00 W			4+00 W			3+00 W			2+00 W			1+00 W	
	0.27	0.21	0.18	0.20	0.24	0.26	0.29	0.33	0.29	0.36	0.44	0.40	0.40	0.46	0.41	0.56	0.60	0.57								
n=1	0.38	0.30	0.20	0.28	0.43	0.51	0.48	0.66	0.41	0.51	0.91	0.73	0.48	0.67	0.31	0.97	0.69	0.74								
n=2		0.24	0.18	0.20	0.34	0.30	0.31	0.38	0.25	0.27	0.34	0.39	0.26	0.45	0.46	0.24	0.86	1	0.49							
n=3			0.24	0.12	0.24	0.15	0.17	0.25	0.24	0.28	0.36	0.35	0.22	0.22	0.65	0.43	0.63	0.59	0.37							
n=4				0.12	0.16	0.21	0.21	0.29	0.15	0.23	0.26	0.27	0.57	0.33	0.47	0.69	0.40	0.18	0.49							
n=5					0.16	0.10	0.13	0.11	0.14	0.41	0.46	0.28	0.30	0.34	0.20	0.17	0.57	0.27	0.26							
n=6						0.12	0.15	0.25	0.10	0.14	0.29	0.28	0.24	0.18	0.70	0.45	0.59	0.25	0.48							

METAL FACTOR

RESISTIVITY
Ohm-m

Filter	9+00 W			8+00 W			7+00 W			6+00 W			5+00 W			4+00 W			3+00 W			2+00 W			1+00 W	
	604	803	811	792	777	719	686	675	636	608	573	577	589	577	598	516	511	521								
n=1	387	573	475	393	349	251	244	255	243	247	213	253	263	314	516	194	295	321								
n=2	463	912	620	662	528	400	477	436	426	398	386	405	417	413	445	329	379	483								
n=3	637	887	712	714	603	631	655	580	523	546	509	564	507	515	449	451	570									
n=4	937	1129	840	723	872	764	747	616	621	641	638	617	589	543	603	636										
n=5	1022	1210	887	1008	1011	904	807	790	749	820	710	739	851	717	876											
n=6	1261	1131	1191	1184	1183	939	979	889	930	887	816	788	835	1033												

RESISTIVITY
Ohm-m

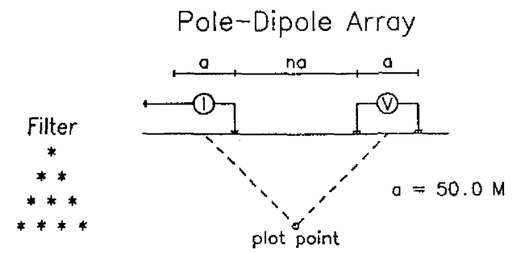
CHARGEABILITY
mV/V

Filter	9+00 W			8+00 W			7+00 W			6+00 W			5+00 W			4+00 W			3+00 W			2+00 W			1+00 W	
	1.4	1.5	1.4	1.5	1.6	1.6	1.7	1.9	1.7	2	2.2	2.1	2.2	2.5	2.4	2.5	2.7	2.6								
n=1	1.5	1.7	0.96	1.1	1.5	1.3	1.2	1.7	0.99	1.3	1.9	1.8	1.2	2.1	1.6	1.9	2	2.4								
n=2	1.1	1.6	1.3	2.2	1.6	1.3	1.8	1.1	1.2	1.3	1.5	1.1	1.9	1.9	1.1	2.8	4	2.4								
n=3		1.5	1.1	1.7	1.1	1.00	1.6	1.6	1.6	1.9	1.9	1.1	1.3	3.3	2.2	2.8	2.7	2.1								
n=4			1.2	1.8	1.8	1.5	2.6	1.1	1.7	1.8	1.7	3.7	2.1	2.9	4.1	2.2	1.1	3.1								
n=5				1.6	1.3	1.2	1.1	1.5	3.7	3.7	2.2	2.3	2.8	1.4	1.3	3.7	2	2.3								
n=6					1.5	1.6	2.9	1.2	1.7	2.7	2.7	2.2	1.7	6.2	3.7	4.6	2.1	5								

CHARGEABILITY
mV/V

Line 2300 S

Pole-Dipole Array



Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,..

INTERPRETATION

- ■ Strong increase in polarization accompanied by marked decrease in resistivity.
- ◘ Well defined increase in polarization without marked resistivity decrease.
- □ Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000

50 0 50 100 150 200 250 300

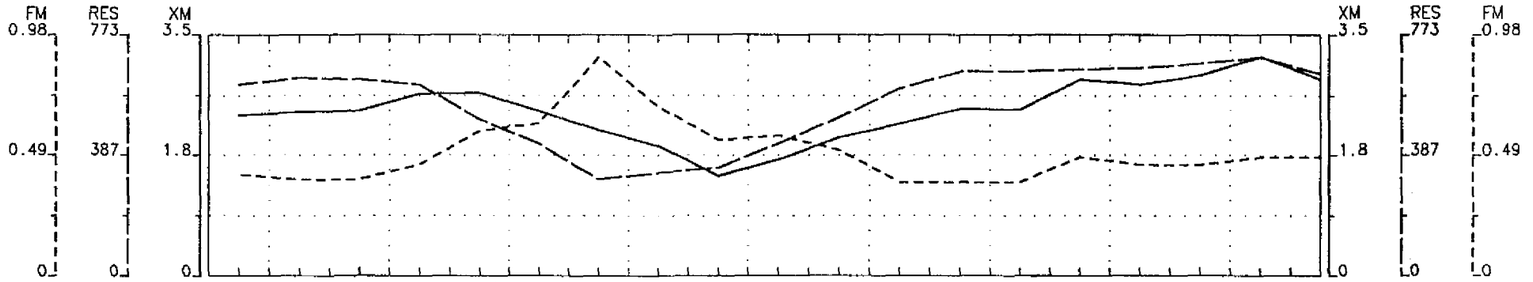
(metres)

NTERNATIONAL CANALASKA RESOURSES LTD.

INDUCED POLARIZATION SURVEY
WARNER LAKE AREA
TIMMINS TOWNSHIP

Date: 98/10/16
Interpretation: B. PATRIE

DAN PATRIE EXPLORATION LTD.



METAL FACTOR

Filter	9+00 W			8+00 W			7+00 W			6+00 W			5+00 W			4+00 W			3+00 W			2+00 W			1+00 W			Filter
	0.41	0.39	0.39	0.45	0.59	0.62	0.89	0.69	0.55	0.57	0.51	0.38	0.38	0.38	0.48	0.45	0.45	0.46	0.48									
n=1	0.56	0.48	0.37	0.36	0.82	0.53	1.8	0.67	0.45	1.1	0.63	0.46	0.41	0.38	0.83	0.70	0.52	0.65	0.83									n=1
n=2	0.24	0.52	0.26	0.45	0.47	0.52	0.68	0.77	0.92	0.20	0.65	0.38	0.43	0.44	0.52	0.42	0.46	0.45	0.39									n=2
n=3	0.40	0.26	0.36	0.43	0.42	0.50	0.32	0.75	0.40	0.43	0.30	0.51	0.54	0.42	0.38	0.50	0.61	0.39										n=3
n=4	0.22	0.33	0.29	0.50	0.58	1.3	1.1	0.37	0.53	0.39	0.37	0.29	0.41	0.19	0.31	0.44	0.20											n=4
n=5	0.25	0.39	0.42	0.71	1	0.40	0.31	1.6	0.21	0.32	0.27	0.44	0.37	0.27	0.35	0.52												n=5
n=6	0.33	0.62	0.58	0.67	0.33	0.54	1.7	0.23	0.27	0.26	0.27	0.27	0.47	0.41	0.42													n=6

METAL FACTOR

RESISTIVITY
Ohm-m

Filter	9+00 W			8+00 W			7+00 W			6+00 W			5+00 W			4+00 W			3+00 W			2+00 W			1+00 W			Filter
	615	637	631	615	503	423	309	330	345	424	509	602	557	658	664	668	683	703	649									
n=1	337	375	454	474	221	313	97	218	99	111	294	273	435	378	356	339	388	446	385									n=1
n=2	499	512	525	510	499	403	246	213	127	236	301	459	487	407	455	509	485	624	640									n=2
n=3	808	576	618	588	542	319	337	187	428	347	531	623	663	609	590	581	728	757										n=3
n=4	655	838	707	622	419	362	269	502	306	616	655	670	673	719	714	783	880											n=4
n=5	1038	941	763	529	472	326	553	140	678	766	826	803	824	890	855	1093												n=5
n=6	1134	816	648	542	441	601	63	441	810	951	840	939	987	1022	1168													n=6

RESISTIVITY
Ohm-m

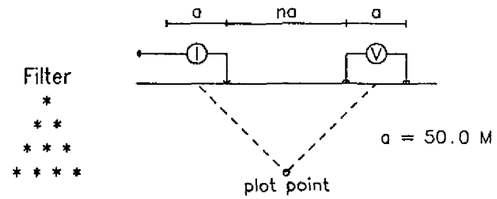
CHARGEABILITY
mV/V

Filter	9+00 W			8+00 W			7+00 W			6+00 W			5+00 W			4+00 W			3+00 W			2+00 W			1+00 W			Filter
	2.4	2.4	2.4	2.7	2.7	2.4	2.1	1.9	1.5	1.7	2	2.2	2.5	2.5	2.9	2.8	3	3.2	2.9									
n=1	1.9	1.8	1.7	1.7	1.8	1.7	1.7	1.5	0.45	1.3	1.9	1.3	1.8	1.4	3	2.4	2	2.9	2.4									n=1
n=2	1.2	2.7	1.3	2.3	2.4	2.1	1.7	1.6	1.2	0.47	2	1.7	2.1	1.8	2.4	2.2	2.1	2.8	2.5									n=2
n=3	3.3	1.5	2.2	2.5	2.7	1.6	1.1	1.4	1.7	1.5	1.6	3.2	3.6	2.6	2.2	2.9	4.4	3										n=3
n=4	1.5	2.7	2.1	3.1	2.4	4.6	2.9	1.8	1.6	2.4	2.4	1.9	2.8	1.4	2.2	3.4	1.8											n=4
n=5	2.6	3.7	3.2	3.8	4.8	1.3	1.7	2.3	1.4	2.4	2.2	3.6	3.1	2.4	3	5.7												n=5
n=6	3.8	5	3.8	3.7	1.5	3.2	1.1	1.00	2.2	2.5	2.3	2.6	4.7	4.2	5													n=6

CHARGEABILITY
mV/V

Line 2500 S

Pole-Dipole Array



Filter

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* *
* * *
* * * *

2. 1[illegible]

Logarithmic Contours 1, 1.5, 2, 3, 5, 7.5, 10,..

INTERPRETATION

- ■ Strong increase in polarization accompanied by marked decrease in resistivity.
- ◘ Well defined increase in polarization without marked resistivity decrease.
- □ Poorly defined polarization increase with no resistivity signature.
- ▼ Low resistivity feature.

Scale 1:5000

50 0 50 100 150 200 250 300
(metres)

NTERNATIONAL CANALASKA RESOURSES LTD.

INDUCED POLARIZATION SURVEY
WARNER LAKE AREA
TIMMINS TOWNSHIP

Date: 98/10/16
Interpretation: R. PATRIF

DAN PATRIE EXPLORATION LTD.