W9460.00134



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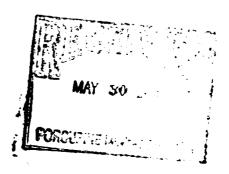
PROSPECTING SURVEY

on

NOVA TWP. PROPERTY

May 27/94

by: David V. Jones Lic. # M21190



# INTRODUCTION, LOCATION, & ACCESS

A prospecting survey was performed in Nova Twp., on'a group of claims owned by the author and partners J.K. Filo and M. Kean.

The property consists of 21 claims (44 units) located in Nova Twp. (Porcupine mining district - claim map sheet # M lo3o) which is located approximately 80 KM north west of Timmins, Ontario, at 43°31' North latitude and 82°25' West longitude (see Figs 1 & 2).

Access to the subject property is via all-weather logging roads that originate from Malette Lumber Mill in Timmins, just off of Highway 101 west. From the Malette Mill it is approx.

95 KM to the claim group, which enters the east-central part of Nova Twp. and runs directly into the north part of the claim block (see Fig. # 1).

# **OBJECTIVES**

The main objective of this prospecting survey was to search for possible outcrops which would contain rock types suitable for hosting Ni-Cu deposits of either a gabbroic intrusive or an ultramafic style formation.

Although some parts of the property exhibited potential for hosting volcanogenic massive suphide Cu-Zn mineralization in felsic volcanics, some sections also seem to have possibilities for the aforementioned Ni-Cu style scenarios.

Due to the recent increase in nickel exploration in the adjoining Montcalm Twp. area, the Nova Twp. block has seen a renewed interest in similar nickel exploration due to its close proximity and possible related geological structures.

In Nov/92 a detailed geology survey was carried out on a line-cut grid over part of the claim group, by Filo and Jones, however the survey did not cover claim 1182198 of the present block. Also, limited assays were taken due to budget constraints and no assays or rock analysis were performed for nickel or associated rock structures. This model was not pursued even though areas were mapped out as having a gabbroic rock type and also exhibited ideal geophysical signatures on the O.G.S. airborne survey maps (O.G.S. North Swayze-Montcalm Area, Map \$1364, 1990).

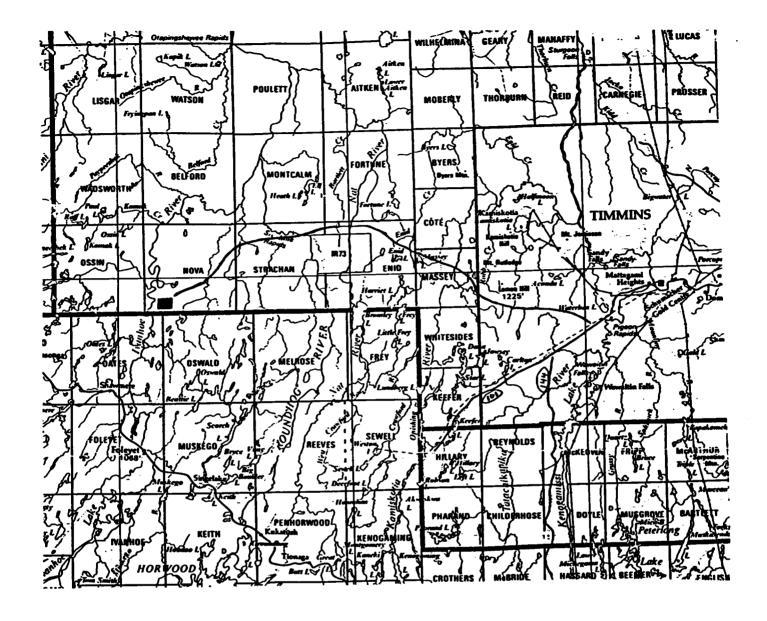


Fig. # 1 Regional location map showing location of Nova Twp. claim group (shown as symbol on map)

Scale 1:600,000

Fig # 2: Jones and Associates
Nova Twp. Claim Group
(map M 1030)

# claim numbers

1181231	(4 units) (14 units) to 1181235 inclusive
1181237	(single units) to 1181250 inclusive
1182198	(single units) (8 units)

Consequently, the present prospecting survey was performed to cover the unsurveyed claim 1182198 and also resample previously located outcrop that coincided with ideal geophysical signatures from the O.G.S. airborne survey, and analyze the rocks for nickel related structures.

# WORK PERFORMED

The prospecting survey was performed in two areas of the claim group and are referred to as the "west section" and the "east section" (see Fig. # 3).

During all traversing, the topography, forest type, and soil type were noted along with any outcrop that could be found. Areas that exhibited topographic or vegetative features that might indicate shallow overburden (such as reindeer moss or rises in elevation) were dug into using a hand grub hoe, in hopes of exposing shallow buried rock. All outcrop was mapped and samples were periodically taken for future analysis.

Also, due to the highly metamorphic nature of much of the rocks on the property (probably due to the close proximity of the property to the "Kapuskasing High" deformation zone that is found to the west), some of the recently mapped outcrop from the 1992 survey was re-sampled and analyzed using a whole rock analysis which may more accurately define the proper rock types, and dispell any possible misclassifications.

East Section: The east section consisted of a prospecting traverse being performed over sections of claims 1181242, 1181243, 1181244, and 1181250. Traverses were made using a compass and pacing method of zig zagging over an area that exhibited a circular magnetic high structure on the O.G.S. airborne map (see Fig. # 4). Reference tie-in points were made when traverse lines crossed over the old 1992 grid and pickets were located and mapped for their intersects. Previous geological mapping had indicated this area to be mainly felsic rock types however by traversing inbetween the old grid it was hoped that possible new outcrop could be located that may be associated with nickel bearing deposits.

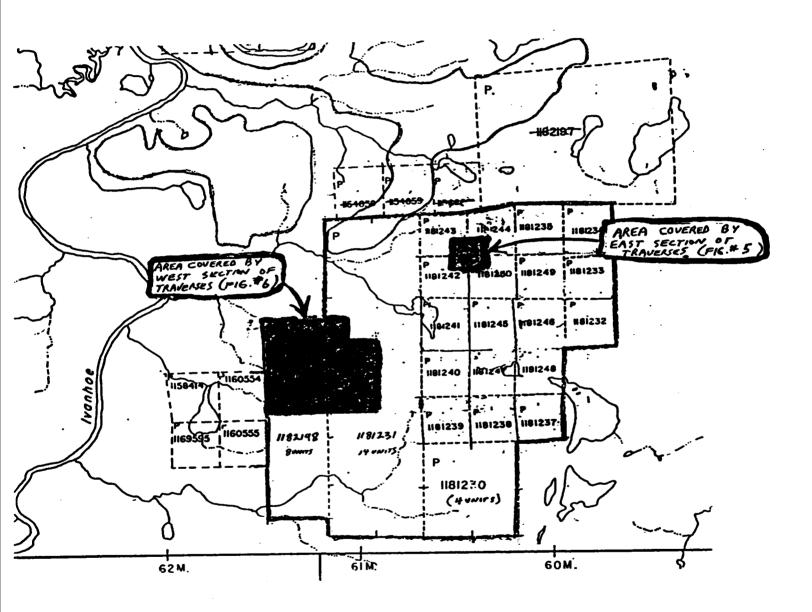


FIGURE # 3 Location of the two areas of prospecting traverses referred to as the West and East sections, for the Nova Twp. block.

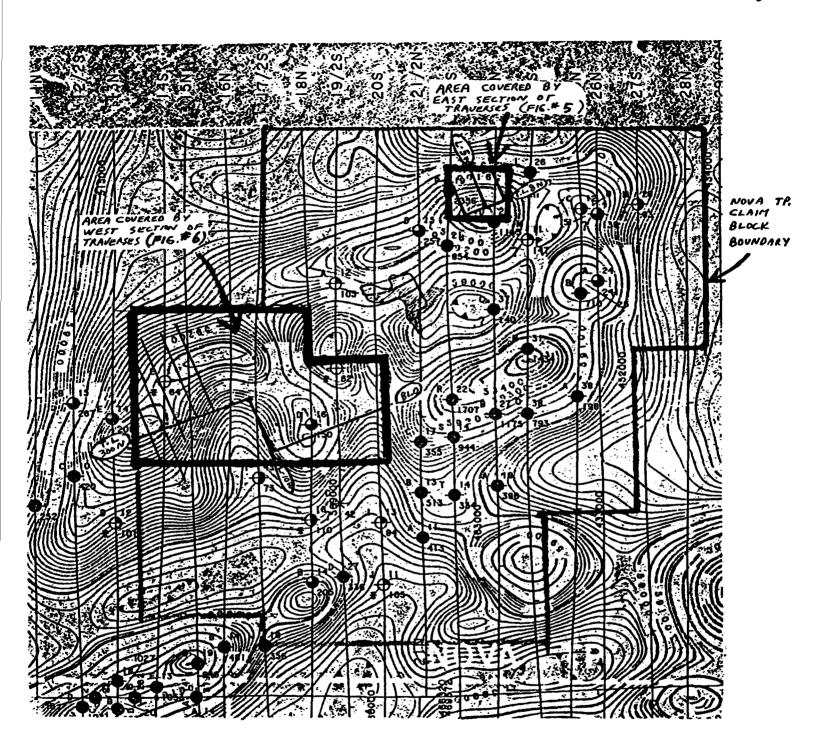


FIGURE # 4 Location of prospecting traverse areas in relation to the O.G.S. airborne geophysical survey (from North Swayze-Montcalm Area survey Map 81364, 1990)

West Section: The western half of the "West Section" covered the claim 1132198 which had not been geologically mapped previously, consequently, a grid was cut using the same line azimuth of 020° as that used in 1992 on the eastern part of the property. Tie-line 300 north was turned off of the old line 10 west. The grid was cut to cover part of two magnetic high structures that were exhibited on the government airborne (see Fig. # 4) and totalled 3.5 Km of grid. Traverses were then performed along these lines and inbetween any that showed areas which may have any outcrop. Also, propspecting traverses were done following the north perimeter of claim lines running around claim 1182198 (see Fig.# 6).

In the eastern half of the "West Section", outcrop sites that were previously mapped in 1972 as being of a gabbroic nature, were revisited. Hand stripping and new sampling was performed at these sites and locations were made using picket coordinates from the 1992 grid (see Fig. # 6).

# OBSERVATIONS & RESULTS

East Section: Although no apparent gabbroic or ultramafic rock was found during this section of the traverses, samples of rocks were taken that exhibited some sulphides with the hope of possible misclassification done in 1992 due to the high metamorphism. Samples numbered 224752, 224753, and 224754 were collected and sent for analysis. Rock types and descriptions are listed in Table A.

West Section: All traverses in the claim 1182198 yielded no surface outcrop that could be sampled however the grid can now be used in a follow up program to locate possible EM conductors that appear in the desired magnetic high structure that was covered by the grid.

The traversing and outcrop examinations performed in claim 1181230 on the old 1992 grid, did verify the location

of a gabbroic type rock in several locations (see Fig # 6). Several grab samples were taken and numbered as 224755, 224757, 224759, 224760, 224761, 224762, and N-763. Table A lists these samples with their rock type descriptions. All these samples were associated with a large circular magnetic high structure shown on the 0.G.S. geophysical airborne and are felt to be significant for the search of nickel bearing rock.

# ASSAY RESULTS

All assays were not available at the time of writing this report and will be submitted as a report supplement when received.

TABLE A

Grab Sample Descriptions

		<del></del>
Sample #	Location coordinates	Description
224752	450 E, 935 N	<pre>- sericitic schist ; rhyolite - l to 3% sulphides (pyrite?)</pre>
224753	450 E. 935 N	- same as above
224754	455 E, 940 N	<ul><li>Hornblende feldspar gneiss</li><li>minor sulphides</li></ul>
224755	600 א, 275 N	<ul> <li>Hornblende feldspar gneiss</li> <li>2 to 5 % sulphides in clots and stringers</li> </ul>
224757	600 W, 275 N	<ul> <li>Hornblendite, coarse grain possible gabbro</li> <li>5% clots and stringers of sulphides</li> </ul>
224759	575 W, 275 N	<ul> <li>Metagabbro slightly schistose</li> <li>Ferro mags &amp; plagioclass feldspar</li> <li>2 to 4 % sulphides</li> </ul>
224760	700 W, 215 N	<ul> <li>Gabbro possibly, coarse grain with pyroxene crystals</li> <li>fine sulphides</li> </ul>
224761	800 w, 655 n	<ul><li>Metamorphic coarse grain</li><li>black, possible gabbro</li></ul>
224762	800 W, 100 N	- schistose, meta-gabbro
N-763	500 W, 225 N	<ul> <li>coarse grained possible gabbro</li> <li>heavy gossan stain</li> <li>5 % sulphides with magnetite</li> </ul>



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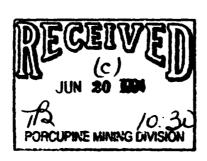
# ASSAY RESULTS

(Supplement to Prospecting Report for Nova Twp. May 27/94)

**2.** 15475

June 15/94

David V. Jones Lic. # M21190





# Swastika Laboratories

A Division of TSL/Assayers Inc.

Assaying - Consulting - Representation

# Geochemical Analysis Certificate

4W-1042-RG1

Company:

D. JONES

Date: MAY-31-94

Project:

Project: Attn:

D. Jones

We hereby certify the following Geochemical Analysis of 1 Rock samples submitted MAY-24-94 by D. Jones.

Sample Number	Au PPB	Au Check PPB	WRA	Multi Element	
#N-763	24	21	Results to follow	Results to follow	

Certified by\_

P.O. Box 10, Swastika, Ontario P0K 1T0
Telephone (705) 642-3244 FAX (705) 642-3300

D. JONES ATTN: D. JONES

4W-1042-RG1

SAMPLE #

#N-763

1270 PEWSTER DRIVE, UNIT 3 HISSISSAUGA, ONTARIO 144-184 PHONE #: (905)625-1544 TSL/ASSAYERS Laboratories FAX #: (905)206-0513

TOTAL OXIDE ANALYSIS

Lithium MetaBorate Fusion

A1203 Fe20 9.48 6.70 0.33 0.02 Na20 K20 310 ppe pp 0.63 98.7 LOI TOTAL 

TBL/94

REPORT No. : JUN-02-1994 M3452 JN02RA 1 of 1

SIGNED :

ATTN: D. JONES JONES

4W-1042-RG1

1270 FEWSTER DRIVE, UNIT 3 MISSISSAUGA, ONTARIO 144-124 PHONE #: (905)625-1544 TSL/ASSAYEKS Laboratories

FAX #: (905)206-0513

I.C.A.P. Aqua-Regia Digestion PLASMA SCAN

SAMPLE # • • Ca Cd ppa ppe S Cu Te PPA PPA 30 ( 5 Ppa (Ppa 80 Y Manual Control of the Control of t PP

A .5 gm sample is digested with 2 ml of 3:1 HCL/HNO3 at 95 C for 90 min and diluted to 10 ml with DI H20 This method is partial for many oxide materials

SIGNED :

File No. Page No. REPORT No. : 1 of 1 M3452 WIES

JUN-01-1994

T8L/94



# Swastika Laboratories

Assaying - Consulting - Representation

Assay Certificate

4W-0984-RA1

Company:

**D. JONES** 

Date: MAY-24-94

Project:

Attn:

D. Jones

We hereby certify the following Assay of 9 Rock samples submitted MAY-16-94 by D. Jones.

Sample Number	Au PPB	Au Check PPB	Multi- Element	WRA	
224752 224753 224754 224755 224757	10 10 10 10 30	30	Results to follow	Results to follow	•
224759 224760 224761 224762	Ni 1 10 Ni 1 10	- - - -			

Certified by

P.O. Box 10, Swastika, Ontario P0K 1T0

Telephone (705) 642-3244

FAX (705)642-3300

# TSL/ASSAYERS Laboratories

PHONE #: (905)625-1544 1270 FEWSTER DRIVE, UNIT 3 MISSISSAUGA, ONTARIO L4W-1A4 FAX #: (905)206-0513

ATTN: D. JONES

4W-0984-RA1

I.C.A.P. PLASMA SCAN

Dete File No. Page No.

MAY-26-1994 MY25MA REPORT No. : M3429

: 1 of 1

Aqua-Regia Digestion

·	224762	224761	224759	224757	224755	224754	224752	STANGE #
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A.5 gm sample is digested with 2 ml of 3:1 HCL/HNO3 at 95 C for 90 min and diluted to 10 ml with DI H2O This method is partial for many oxide materials

SIGNED :

4W-0984-RA1

224761 224760 224759 224757

> 1270 FEWSTER DRIVE, UNIT 3 HIBSISSAUGA, ONTARIO LAW-1A4 TSL/ASSAYERS Laboratories

PHONE #: (905)625-1544 TOTAL OXIDE ANALYSIS FAX #: (905)206-0513

> File No. Page No. REPORT No. :

MAY-26-1994 HY25RA 1 of 1 M34290

Lithium MetaBorate Fusion

47.14 12.60 17.56 48.21 13.12 15.14 44.39 14.12 16.71 8102 A1203 Fe20 9.90 5.74 10.04 6.28 10.74 5.9 0.03 1.56 (0.02 44 1.01 0.39 0.10 330 0.83 0.44 0.10 140 0.94 0.40 0.10 120 0.83 0.44 150,4, 279 100 300 45 160 0.96 98.05 5.75 98,27 2.16 97.80 TOTAL TOTAL

BIGNED :

TS1./94





# **After Recording Claim**

**Mining Act** 

W9460.00/34

ersonal information collected on this form is obtained under the authority of the Mining Act. This information will be used for correspondence. Questions about its collection should be directed to the Provincial Manager, Mining Lands, Ministry of Northern Development and Mines, Fourth Floor, 159 Cedar Street, udbury, Ontario, P3E 6A5, telephone (705) 670-7264. 2.15475

0241 (09/91)

- natructions: Please type or print and submit in duplicate.
  - Refer to the Mining Act and Regulations for requir Recorder.
  - A separate copy of this form must be completed for
  - Technical reports and maps must accompany this A sketch, showing the claims the work is assigned



- A Short	ii, silowing the clai	ino the work is usergin	42B08NW0007 2.15475 NOVA	90	00
ecorded Holder(s)	V. Tan	· <		Client No. 149868	
ddress	17 (0.00	P. A. T.	WE GOLING	149868 Telephone No. (705) 235-2474 M or G Plan No. 17-1030	
1) OX /5	75 3074	Township/Area	7007///0	M or G Plan No.	
Perculu	VE"	NOVA	TWF.	17-1030	
Dates Work From: Performed	APRIL 24/94		To: MAY 27	/94	
Vork Performed (Chec	k One Work Group	Only)			
Work Group			Туре		
Geotechnical Survey		<u>K</u>			<u> </u>
Physical Work, Including Drilling	PROSPECTIN	16 + LIN	IE CUTTING	+ 455AY5	
Rehabilitation		RECEIVED	RECOR	350	
Other Authorized Work			neconi	) - I	
Assays		JUN 2	MAY 3 0	1994	
Assignment from Reserve		MINING LANDS BRANCH	Receipt	¥2535.°°	
ersons and Survey C	ompany Who Perf		Name and Address of	of a request for verification.  Author of Report)	
Nan Nan			Address		—
DAVID V. Ju	ves	Box 151			
PAVID V. Jun (PERFORMED WORK	+ AVTHOR)	SOUTH PO	ACUPINE ONT	- PONINO	
attach a schedule if nec Certification of Benefi	••	e Note No. 1 on reve	rse side		
I certify that at the time the			Date Recor	ded Holder or Agent (Signature)	
report were recorded in the ci by the current recorded hol	urrent holder's name or he		MAY 27/94	Difu.	
Certification of Work F	Report				
I certify that I have a perso its completion and annexed		cts set forth in this Work rep	ort, having performed the work	c or witnessed same during and/or a	fter
Name and Address of Person  DAVIC	•	BOX 1513 SOU	Tradition By (Signatura)	Par/Hū	
Telepone No. 705 - 235 - 2479	Date Ly Ly Ly	27/24	Certified By (Signature)	lan :	
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For Office Use Only Total Value Cr. Recorded	Date Recorded	Mining Regis	der A IRL	PORCUPINE MININGENEROR	
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•																Work Report Number for Applying Reserve
6										1181250	1181 244	1181243	1181242	1/8/25/	1/82/98	Claim Number (see Note 2)
										`	`		,	14	∞	Number of Claim Units
2535										80	80	80	0.8	780	1435	Value of Assessment Work Done on this Claim
25/0										51	51	15	51	869	80%	Value Applied to this Claim
173										29	29	29	29	57		Value Assigned from this Claim
25		Red	REC	3 0 1	ED. 9	1			,					24		Roserve: Work to be Claimed at a Future Date
edits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from ich claims you wish to priorize the deletion of credits. Please mark (~) one of the following:    Credits are to be cut back starting with the claim listed last, working backwards.   Credits are to be cut back equally over all claims contained in this report of work.   Credits are to be cut back as priorized on the attached appendix.   the event that you have not specified your choice of priority, option one will be implemented.   Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims.   Credits are to be cut back as priorized on the attached appendix.																
ortify that the recorded holder had a beneficial interest in the patented seased land at the time the work was performed.  Signature  Tully 1 1/94																



Northern Development

Ministère du Développement du Nord et des mines

# Statement of Costs for Assessment Credit

# État des coûts aux fins du crédit d'évaluation

# Mining Act/Loi sur les mines

Transaction No./N° de transaction
W9460.00134

2.15475

Personal information collected on this form is obtained under the authority of the Mining Act. This information will be used to maintain a record and ongoing status of the mining claim(s). Questions about this collection should be directed to the Provincial Manager, Minings Lands, Ministry of Northern Development and Mines, 4th Floor, 159 Cedar Street, Sudbury, Ontario P3E 6A5, telephone (705) 670-7264.

Les renseignements personnels contenus dans la présente formule sont recueillis en vertu de la Loi sur les mines et serviront à tenir à jour un registre des concessions minières. Adresser toute quesiton sur la collèce de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4º étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

# I. Direct Costs/Coûts directs

Description	Amount Montant	Totals Total global
Labour Main-d'oeuvre		
Field Supervision Supervision sur le terrain		
6 DAYS PROSPECT.		
SURVEY @ 150 /BAY	900	
LINECUTTING 3,5 KM	\$ 375	1775
PAINT	10.50	
ALUMINUM TAGS	35.°°	
A55A45	32 8. 21	
		37 <i>3</i>
Туре		
		2148
	Labour Main-d'oeuvre Field Supervision Supervision sur le terrain Type  B DAYS PRESPECT.  SURVEY @ 150 PAY  LINE CUTTING 3.5 KM Type  PAINT  ALUMINUM TAGS  A SSAYS	Description Montant  Labour Main-d'oeuvre  Field Supervision Supervision sur le terrain  Type B DAYS PROSPECT.  SURVEY @ 150/BAY 900  LINECUTINE 3.5 KM  Type PAINT 10,5"  ALUMINUM TAGS 35."  A 55A 9 5 32 8. 21

### 2. Indirect Costs/Coûts indirects

Note: When claiming Rehabilitation work Indirect costs are not allowable as assessment work.
Pour le remboursement des travaux de réhabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Туре	Description	Totals Total global		
Transportation Transport	TRUCK Q			
	1,30/KM	387	7, 50	
	DECORDER			
	RECORDED	_		<i>387</i>
Food and Lodging Nourriture et hébergement	MAY 3 0 199	4		
Mobilization and Demobilization Mobilisation et démobilisation	Receipt			
	387			
Amount Allowable ( Montant admissible	•	429		
Total Value of Asse	idit	2535		

Total Value of Assessment Credit (Total of Direct and Allowable Indirect costs) Valeur totale du crédit d'évaluation (Total des coûts directs et indirects admissibles ייש

ote: The recorded holder will be required to verify expenditures claimed in this statement of costs within 30 days of a request for verification. If verification is not made, the Minister may reject for assessment work all or part of the assessment work submitted. Note: Le titulaire enregistré sera tenu de vérifier les dépenses demandées dans le présent état des coûts dans les 30 jours suivant une demande à cet effet. Si la vérification n'est pas effectuée, le ministre peut rejeter tout ou une partie des travaux d'évaluation présentés.

# iling Discounts

Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.

Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

otal Value of Assessment Credit Total Assessment Claimed × 0.50 =

# Remises pour dépôt

- Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
- Les travaux déposés trois, quatre ou cinq ans après leur achèvement sont remboursés à 50 % de la valeur totale du crédit d'évaluation susmentionné. Voir les calculs ci-dessous.

	Valeur totale du crédit d'évaluation	Evaluation totale demandée
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i	× 0.50 =	
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### ertification Verifying Statement of Costs

hereby certify:

at the amounts shown are as accurate as possible and these costs ere incurred while conducting assessment work on the lands shown the accompanying Report of Work form.

at as RECORDED HOLDER I am authorized

(Recorded Holder, Agent, Position in Company)

### Attestation de l'état des coûts

J'atteste par la présente :

que les montants indiqués sont le plus exact possible et que ces dépenses ont été engagées pour effectuer les travaux d'évaluation sur les terrains indiqués dans la formule de rapport de travail ci-joint.

Et qu'à titre de \_\_\_\_\_ je suis autorisé (titulaire enregistré, représentant, poste occupé dans la compagnie)

à faire cette attestation.

Signature | Date | MAY 27/94

make this certification

2 (04/91)

Nota : Dans cette formule, torsqu'il désigno des personnes, le masculin est utilisé au sens noutre



Ministry of

Ministère du

Northern Development

and Mines

Développement du Nord

et des Mines

Geoscience Approvals Section

933 Ramsey Lake Road

6th Floor

Sudbury, Ontario

P3E 6B5

Telephone: (705) 670-5853

(705) 670-5863

Our File: 2.15475 August 26, 1994

Transaction #: W9460.00134

Mining Recorder Ministry of Northern Development & Mines 60 Wilson Avenue 1st Floor Timmins, Ontario P4N 2S7

Dear Sir:

subject: APPROVAL OF ASSESSMENT WORK CREDITS ON MINING CLAIMS P.1181231 ET AL IN NOVA TOWNSHIP

Assessment work credits have been approved as outlined on the original report of work form for the submission. The credits have been approved under Section 9, Prospecting and Section 17, Assaying of the Mining Act Regulations.

The approval date is August 25, 1994.

If you have any questions regarding this correspondence, please contact Chris Hamblin at (705) 670-5856.

Yours sincerely,

Ron C. Gashinski

Senior Manager, Mining Lands Section Mining and Land Management Branch

Mines and Minerals Division

Borcaked.

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Enclosures:

Resident Geologist cc: Timmins, Ontario

Assessment Files Library Sudbury, Ontario

