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Report on

PROSPECTING TRAVERSES

on

FRIPP TWP. PROPERTY

for

J.K.FILO & D.V.JONES

CEIVED

JAN 2 8 1993

MINING LANDS BRANCH

by: J.K.FILO, H.BSc,P.GEO (B.C.)
D.V.JONES, H.BScF

Dec. 24/92

### INTRODUCTION, LOCATION & ACCESS

During the 1992 field season Messrs. Jones and Filo performed prospecting traverses on their Fripp Twp. property which is located approximately 30 km SSW of Timmins, Ont.(Fig S4-1). The claim group consists of **30** contiguous claims or 62 units in Fripp Twp. (claim numbers P-1170463 to 1170484 incl., 1171879, 1189049 to 1189055 incl.)(refer to Fig S4-2).

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Access to the property is via Pine St. south from Timmins. After travelling about 25 kms beyond the Timmins dump, there is a main logging road and a series of trails which are oriented NNW. This series of trails will lead to Bruce Lake which is situated near the center of the subject property.

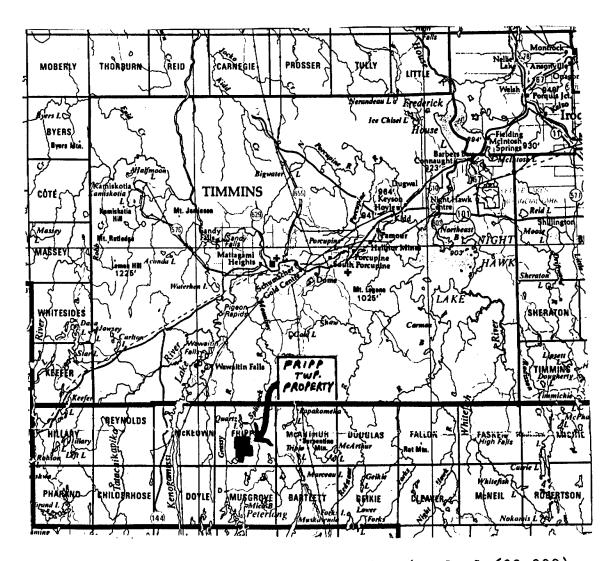


Fig. S4-1 Fripp Twp. Property Location (scale 1:600,000)

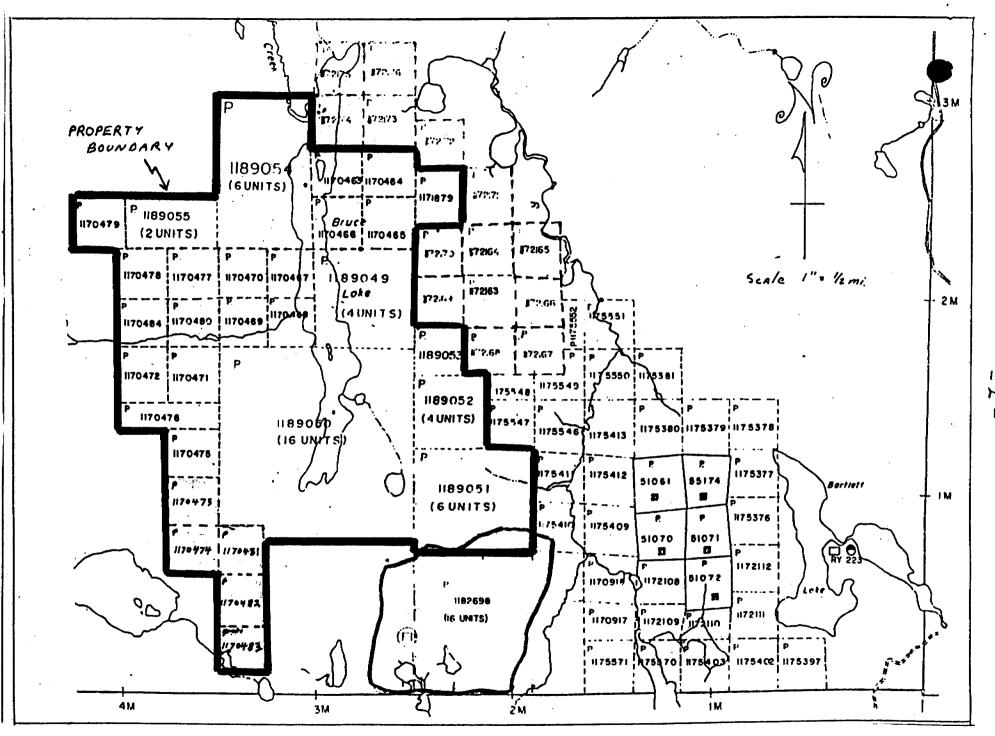


Fig. S4-2 Fripp Twp. Property - claim location

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### PROSPECTING PROCEDURES & OBSERVATIONS

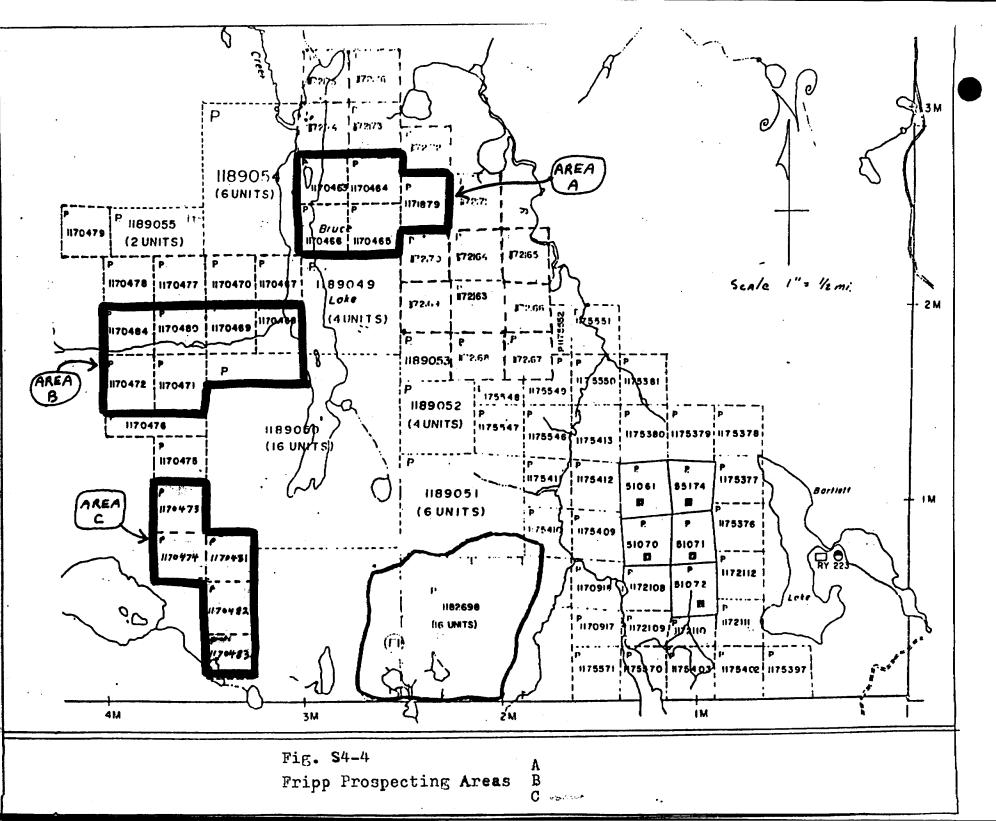
Preliminary exploration efforts were concentrated on three specific claim areas of the Fripp property, which were designated A, B, and C (Fig S4-4). Work was concentrated on these areas since there were known occurrences of base metals and / or new anomalies from the government airborne survey (OGS 1990), These areas seemed to exhibit the highest potential for preliminary reconnaissance.

A total of 11.3 Km of prospecting traverses were made using compass and thread measuring units and 3.07 Km of prospecting traverses were performed on newly cut picket lines. Rock types, forest cover, and topographic features were noted and mapped. Any outcrops that exhibited rock types of mineral bearing potential were hand stripped and sampled. All sample locations are illustrated on the appropriate figures and sample descriptions and assays are listed in Appendix S4-A. All traverses and sampling were performed by claim holders D.V.Jones and J.K.Filo.

The observations from the traverses are described on an area-by-area basis as follows:

#### <u>Area A</u>

Prospecting performed in Area A is summarized on Fig S4-5. This area contains the original Hollinger nickel occurrences (Hollinger T-702), which is located along the north border of claim 1170463. Several old trenches and pits were found in the vicinity and were hand cleaned and sampled. The best sample obtained was .47% nickel, while recent sampling by companies who examined this prospect as a potential option, obtained values as high as .50% nickel. The exposed mineralized zones are associated with coarse grained ultramafic rocks. However, these showings do not appear to be directly associated with any of the known geophysical anomalies on the prospect. In light of the lower grade values on the main showing and the lack of a geophysical response with it, further efforts were initiated to examine other sections of area A with strong geophysical responses.



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These responses were obtained from previously performed induced polarization (I.P.) survey by Consolidated Tache (T-1592) and the airborne survey(OGS 1990) recently flown. Little bedrock exposure exists where the anomalies are present but some prospecting was carried out in an attempt to possibly locate mineralized surface bedrock that may be the source of the geophysical anomalies. No such sources were located, however, outcrop of ultramafic (intrusive?) was found on line 2+00 S at 7+25 E and 2+0<sup>4</sup> E. The area between these two stations on Line 2+00 S is void of outcrop and these two exposures of ultramafics may suggest a larger zone that is covered by overburden inbetween these two outcrops. This zone is proximal to the known airborne and I.P. anomalies and may suggest that they are contained in similar ultramafic rock types.

The remainder of the traverses in area A yielded outcrop of mainly diorite or grano-diorite with a minor exposure of possible gabbro found approximately 125 metres west of post #2 of 1170466.

### <u>Area B</u>

Figure S4-6 summarizes the prospecting performed in area B which exists along an east-west creek system that may indicate a possible fault running west of Bruce Lake (see OGS Map 2205).

Prospecting traverses were laid out with the intention of examining the outcrop in:

- a) areas proximal to airborne anomilies,
- b) areas near Hollingers old copper showing and drill sites. Efforts were also made to search for old drill core that may have been left by Hollinger,
- c) areas indicating possible gossan zones from Hollingers geology compilation map.

The highest assay result of the sampling in area B was that of sample FP-92-1 which yielded 3900 ppm of Cu. This was taken from an old pit located about 30 metres east of the claim line ( west border of 1170468) and about 50 metres north of the creek. The pit was located along an old drill road that lead to previous drill site of Hollinger (which reported several intersects of copper mineralization). The pit was hand cleaned and sampled which allowed exposure of a chalcopyrite bearing quartz vein (original field estimates of 1 - 2% Chalcopyrite). Other prospecting in the vicinity yielded outcrop of mostly diorite with

the exception of a zone of magnetite enriched mafic(?) volcanics (about 50 metres south of the old drill collar in claim1170469).

Further prospecting in area B led to several gossan zones, many of which had old pits and trenches within them. All zones had approximately 10 - 15% sulphides with associated magnetite formation. It was noted that none of these zones in area B had shown up as an input anomaly on the government airborne survey. The gossan zones were all sampled, however, no significant assays were obtained for Au, Cu, or Ni.

The outcrop proximal to the airborne conductors didn't yield any mineralization, however as in area A some ultramafic rocks were noted close to their locations. Similarily as in area A, much of the outcrop was diorite with occasional exposure of ultramafic / mafic rocks. Again much of the area is covered by overburden with little rock exposure.

### <u>Area C</u>

Figure S4-7 summarizes the prospecting performed in area C. This area was investigated mainly to examine the presence of a number of airborne targets. Unfortunately due to extensive overburden, only one anomaly had outcrop exposure. This was located about 125 metres north and loo metres east of post # 3 of 1170473. At this site, a long ridge running for approximately 125 metres @ 120°, exhibited several old trenches and pits (labelled pits A,B,& C in Fig S4-7). Hand cleaning of the pits and surrounding outcrop was performed along with subsequent sampling. As a result some rather unusual geology was noted. Observations included a gabbroic type unit which is in contact with iron formation, but also in contact with a well mineralized (pyritic) congolmerate. In pit A there is also a gossan stained .5 metre wide quartz vein adjacent to this sequence.

All pits exhibited much magnetite which is probably the cause of the airborne input anomaly in this area. Unfortunately, all assays from this zone also gave uneconomic values of Au, Cu, and Ni.

Prospecting in other sections of area C near airborne anomalies

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resulted in negative exposure of outcrop with mineral bearing rock. As in areas A and B the exposed rock type waspredominantly diorite and granodiorite with occansional exposure of ultramafic/ mafic rocks. With the exception to this generalization, a small outcrop of diabse dike was noted in north central claim 1170482 and also a small outcrop of quartz-feldspar gneiss in contact with diorite was located in central 1170483. Again much of the traversed area was covered with overburden and predominantly jackpine and birch forest.

### CONCLUSIONS

Although the performed prospecting traverses were meant only to be a preliminary data acquisition method, there were some notable results obtained.

- a) Although all the gossan showings that were looked at contained concentrations of magnetite and one of the showings was coincident with a strong airborne input anomaly (area C), it cannot be assumed that all the remaining anomalies are similar. Several airborne input anomalies were not traversed and should be explored at least by prospecting and preferably with detailed geophysics.
- b) Also, results have shown that there are ultrmafic rocks in several locations that are proximal to geophysical anomalies and this may provide a favourable situation for hosting nickel sulphides, particularily in area A where there is already documented nickel bearing sulphides.
- c) Even if some of the airborne anomalies are proven to be caused by magnetite bearing formations, it should be noted that there is still a favourable environment for a disseminated chalcopyrite bearing structure that does not exhibit an airborne input response (particularily in area B near the Hollinger Cu occurence and drill holes). This condition has been noted by Houle (Falconbridge T-3482) on the Moneta-Falconbridge property adjacent to the south-east corner of this property. At this site there has been a 55,000 ton deposit of Cu delineated, however, ore grade intersects of Cu mineralization have been drilled but a response was not shown on the airborne survey.

### **BIBLIOGRAPHY**

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- Hollinger Consolidated, 1962-1988, Reports on Drilling, Geology, Geophysics by Various Hollinger Geologists (Assessment File T-702)
- Houle, M. V., 1991, Report on the Moneta-Fripp Property (Project 8210) Fripp-Musgrove Townships Timmins Area, 1991, Exploration Program (Assessment File T-3482)
- Ontario Geological Survey, 1990, Geophysical and Geochemical Series Map 81412, Scale 1:20,000

## APPENDIX S-4A

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## SAMPLE DESCRIPTIONS AND ASSAYS

### SAMPLE DESCRIPTIONS

- FP-92-1 quartz vein (95%) with some diorite? wallrock 1-2% chalcopyrite
- FP-92-2 sulphide rich section of iron formation, gossan 10-15% pyrite
- FP-92-3 fine grained black massive mafic/ultramafic unit with minor pyrite
- FP-92-4 as in FP-92-3 but some magnetite as well as pyrite
- FP-92-5 sulphide zone, consisting of mainly massive pyrite and pyrhotite and minor chalcopyrite (fly rock from trench)
- FP-92-6 mainly quartz vein material with gossan stains
- FP-92-7 iron formation with 65% magnetite and 15% pyrite in oxidized zone
- FP-92-8 fine grained pyrite (20%) and magnetite (5%) in fine grained black matrix; possible mafic/ultramafic unit
- FP-92-9 medium grained unit with feldspar and pyroxene, unit considered to be a gabbro
- FP-92-10 gossan zone remnant vugs and pebbles sub-rounded, possible sedimentary conglomerate
- FP-92-11 same as FP-92-8
- FP-92-12 gossan zone with extensive sulphide mineralization and gossan, rounded pebbles noted in pit, sedimentary conglomerate host
- FP-92-13 heavily oxidized gossan zone with some unoxidized pyrite
- FP-92-20 medium-grained metamorphosed mafic unit with pyrite 10-15% and magnetite 10-18%, associated with gossan zone
- FP-92-21 pure magnetite (iron formation)
- FP-92-22 schistose garnet bearing mafic rock from gossan zone, minor pyrite 1-2%, rare speck of chalcopyrite
- FP-92-23 Hornblende-Feldspar gneiss with 3-5% disseminated pyrite
- FP-92-24 schistose micaceous black mafic rock with some gossan
- FP-92-25 black medium- to fine-grained metamorphosed mafic volcanic?, some gossan noted
- Fripp Pit #1 sample of gossan material with pyrite and pyrhotite, minor chalcopyrite in ultramafic intrusive unit (medium-grained, sulphides 20%)
- Fripp Pit #3 sample of medium-grained mafic/ultramafic intrusive gossan stained, 15-20% pyrite pyrhotite
- Fripp Pit #4 very course-grained black pyroxonite (ultramafic) with minor fine stringers of sulphide 1% maximum
- \*NOTE: ALL SAMPLES ARE GRABS





# Swastika Laboratories

Assaying - Consulting - Representation

### Geochemical Analysis Certificate

2W-0486-RG1

Date: MAY-21-92

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Company: K. FILO Project: Attn:

We hereby certify the following Geochemical Analysis of 2 ORE samples submitted MAY-15-92 by .

Sample Number	Au PPB	Cu PPM	Ni PPM		
Fripp Pit #1 Fripp Pit #3	41 31	758 697	4780 3220		
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Certified by

P.O. Box 10, Swastika, Ontario P0K 1T0 Telephone (705) 642-3244 FAX (705) 642-3300 ACCURASSAY LABORATORIES A DIVISION OF BARRINGER LABORATORIES LIMITED, REXDALE, UNTARIO

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President: Dr. GEORGE DUNCAN, M.Sc., Ph. D., C. Chem (Ont.), C. Chem (U.K.), M.C.I.C., M.R.S.C., A.R.C.S.T.

# 46047 Certificate of Analysis

Page: 1 Filo, Mr. J.K. October 14 535 Bartleman Street 92 TIMMINS, Ontario P4N 4X2 Work Order # 1 920380 Project SAMPLE NUMBERS Copper Nickel Accurassay Customer ppm ppm 260794 FP-92-1 3900 260795 33 FP-92-2 680 150 260796 FP-92-3 190 92 260797 FP-92-5 950 230 260798 FP-92-10 170 240799 27 FP-92-11 460 290 **J800** FP-92-12 370 140 \$0801 FP-92-13 290 63 460802 FP-92-20 150 28 260803 FP-92-21 90 80 260804 FP-92-22 190 70 260805 FP-92-23 150 32 260806 FP-92-24 84 92 260807 FP-92-25 1200 280 260808 FRI-PP PIT #4 460 460



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### ACCURASSAY LABORATORIES A DIVISION OF BARRINGER LABORATORIES LIMITED, REXDALE, ONTARIO BOX 426 KIRKLAND LAKE, ONTARIO, CANADA P2N 3J1

TEL.: (705) 567-3361

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# Certificate of Analysis

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Ministry of Northern Development and Mines Ministère du Développement du Nord et des Mines

Mining Lands Branch Geoscience Approvals Section 933 Ramsey Lake Road 6th Floor Sudbury, Ontario P3E 6B5

Telephone: (705) 670-5853 Fax: (705) 670-5863

February 15, 1993

Our File: 2.14893 Transaction #W9360.00004

Mining Recorder Ministry of Northern Development and Mines 60 Wilson Ave. Timmins, Ontario P4N 2S7

Dear Sir/Madam:

Subject: APPROVAL OF ASSESSMENT WORK CREDITS ON MINING CLAIMS 1170463 ET AL. IN FRIPP TOWNSHIP

The assessment work credits for the Prospecting survey filed under Section 9 of the Mining Act Regulations have been approved.

The approval date is February 9, 1993.

Please indicate this approval on your records.

If you have any questions regarding this correspondence, please contact Ted Anderson of the Mining Lands Branch at (705) 670-5856.

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Yours sincerely,

Mark Hall (Acting) Senior Manager, Mining Lands Branch Mines and Minerals Division (A) TAA/j1 Enclosures:

cc: Resident Geologist Timmins, Ontario RECEIVED

GIS - ASSESSMENT TILLS

MAR 0 4 1993

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Assessment Files Library Toronto, Ontario

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	Ontario, P3E 6A5, tel	ed to the Provincial Manage	r, Mining Lands, Ministry of No			egar Suter,
		when an address and autom	it in duplicate.	2.]	4893	
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	Recorde	ate copy of this form n	nust be completed for ea	ch Work Group.		
P. P.	Technic	al reports and maps m	the work is assigned to,	n in auplicate.		
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1000	rded Holder(s)		+ T. KEVIN	FILD		784
ddr	Box 1513	A	+ 535 BANTLE	PILAN ST.	Telephone No. 2 (705)235-2474 +	(705) 218-9045
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	Assignment from Reserve					
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No		av raight for appageme	nt work credit all or part	of the assessme	nt work submitted if the re-	corded
	holder cannot v	erify expenditures clai	med in the statement of t	COSIS WITHIN 30 0	ays of a request for verific	
Pe	rsons and Survey C	Company Who Perform	ned the Work (Give Nan	ne and Address	of Author of Report)	
	Nai			Addre		- / / / /
J	FILO FILO	(AUTHOR)	535 BART	LEMAN ST	, TIMMS PY. , ONT. PONIH	NYXL
I	DAVID V. JONE	4 (CO-AUTHOR)	BOX 1513 SOUTH	+ POACUPA-6	, ONT. PONIH	0
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	tach a schedule if ne	cesserv)	<b>I</b>			
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			Note No. 1 on reverse a		Recorded Holder or Agent (Signatu	re)
l r	eport were recorded in the	work was performed, the cla current holder's name or held	under a beneficial interest	EC 24/92	1Xclo	
ł	by the current recorded h	older.		<i>H</i>		

#### 4 Work Deport ...

0241 (03/81)

Certification of Work I	
1 certify that I have a perso its completion and annexed	nal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after report is true.
Harris and Address of Parson	Certifying
Name and Address of Person	Turning Pillar 4V2
J.L. FILO	535 BARTLEMAN ST. TIMMINS PYNYX2
	15 ASE 24/02 1 XCP-
705-268-904	45 DEC 24/92 J. Xflr
	FIR-DENE MINING DIVISION
For Office Use Only	
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\$ 2010.	Date Notice for Amendments Sent
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		PAGE	D	
		fork Report Ember for Applying Reserve	Claim Number (see Note 2)	Number of Claim Units
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	ŝĝ		P-1170468	1
	AEN 360.		P-1170469	/
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160	160	
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555 1	A 6 6 - E Total Value Work Applied	-

Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date	Work to be Claimed at		
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35	PLA 818 NDS			
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Credits you are claiming in this report may be cut back. In order to minimize the adverse effects of such deletions, please indicate from which 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. ÷ **N** 0

 $\square$  Credits are to be cut back as priorized on the attached appendix.

in 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.

Note 1:

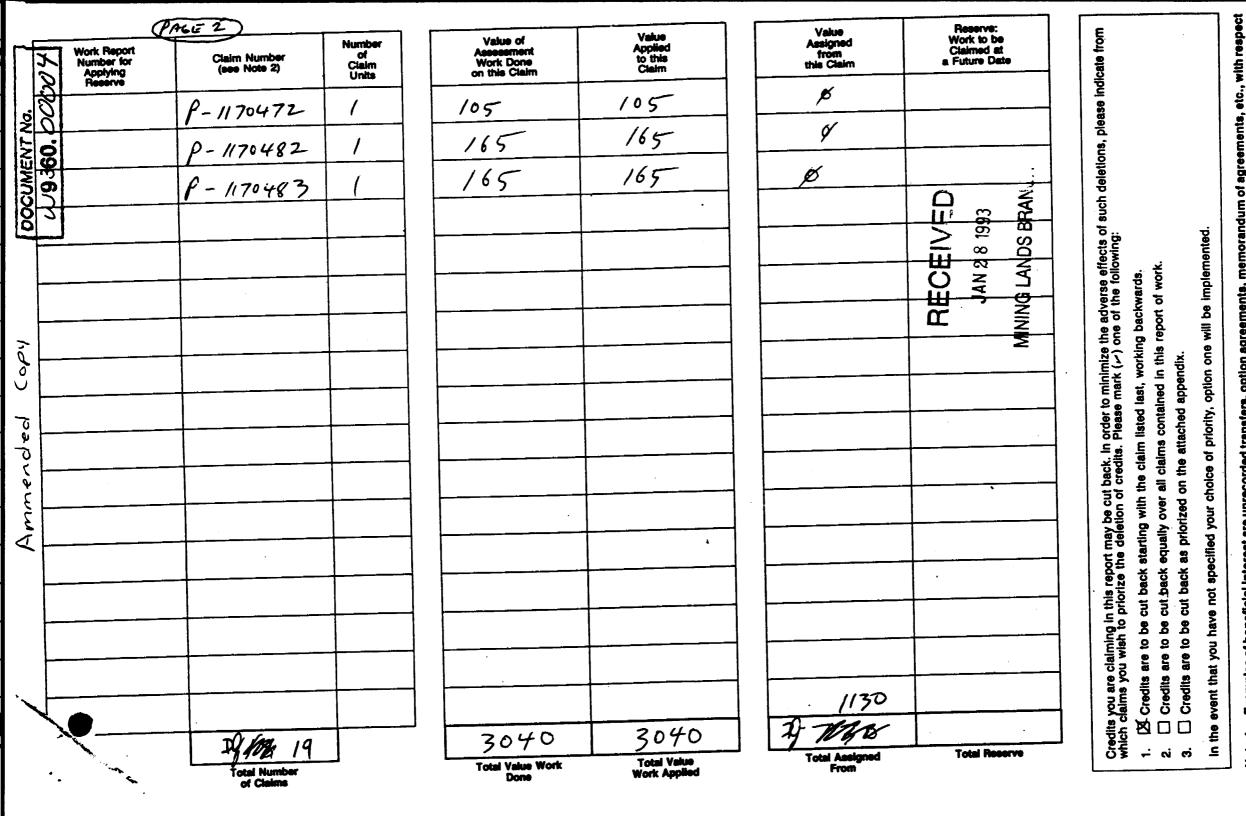
Note 2: if work has been performed on patented or leased land, please complete the following:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.

R Signature

66/ 5 245 Date

-



Examples of beneficial interest are unrecorded transfers, option agreements, memorandum of agreements, etc., with respect to the mining claims. Note 1:

complete the following: Signature If work has been performed on patented or leased land, please Note 2:

I certify that the recorded holder had a beneficial interest in the patented or leased land at the time the work was performed.

B

m 8 H wer Date

tère du veloppement du Nord des mines

## Statement of Costs for Assessment Credit

### État des coûts aux fins du crédit d'évaluation

Mining Act/Loi sur les mines

Forsonal 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 35E 6A5, telephone (705) 670-7264.

### 1. Direct Costs/Coûts directs

Туре	Description	Amount Montant	Totais Total globai
Wages Scieires	Labour (MosAzcrw6) Main-d'oeuvre	2850	
	Field Supervision Supervision sur le terrain		
Contractor's and Consultant's Fees	Туре		
Droits de l'entrepreneur et de l'expert- consell			
Supplies Used Fournitures utilisées	Type ASSAYS	190	
			11/1.5
Equipment Rental Location de	Туре		
matórioi			
•	Total D Total des co	irect Costs ûts directs	1247141

Note: 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.

### **Filing Discounts**

- Work filed within two years of completion is claimed at 100% of the above Total Value of Assessment Credit.
- 2. Work filed three, four or five years after completion is claimed at 50% of the above Total Value of Assessment Credit. See calculations below:

Total Value of Assessment Credit		Total Assessment	Claimed
×	0.50 =		

### **Certification Verifying Statement of Costs**

I hereby certify:

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

that as <u>RECONDED</u> HOLDER + AGENT I am authorized (Recorded Holder, Agent, Position in Company)

to make this certification

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 collece de ces renseignements au chef provincial des terrains miniers, ministère du Développement du Nord et des Mines, 159, rue Cedar, 4<sup>e</sup> étage, Sudbury (Ontario) P3E 6A5, téléphone (705) 670-7264.

### 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
  - Pour le remboursement des travaux de renabilitation, les coûts indirects ne sont pas admissibles en tant que travaux d'évaluation.

Туре ,	Descripti	on	Amount Montant	Totals Total global
Transportation Transport	Туре			
				-
				-
	RECE	VED		
Food and Lodging Nourriture et hébergement	JAN 2 8	1993		
Mobilization and Demobilization M Mobilisation et démobilisation	NING LAND	S Bhat		
	Sub Tot Total partiel		rect Costs indirects	
Amount Aliowable Montant admissible	(not greater than ) (n'excédant pas	20% of Di 20 % des	rect Costs) coûts direct	
Total Value of Ass (Total of Direct and Indirect costs)		d'évaluație (Total des c	ale du crédit bri oûte directs admissibles	: :

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.

### Remises pour dépôt

- 1. Les travaux déposés dans les deux ans sulvant 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
× 0,50 =	•

### 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)

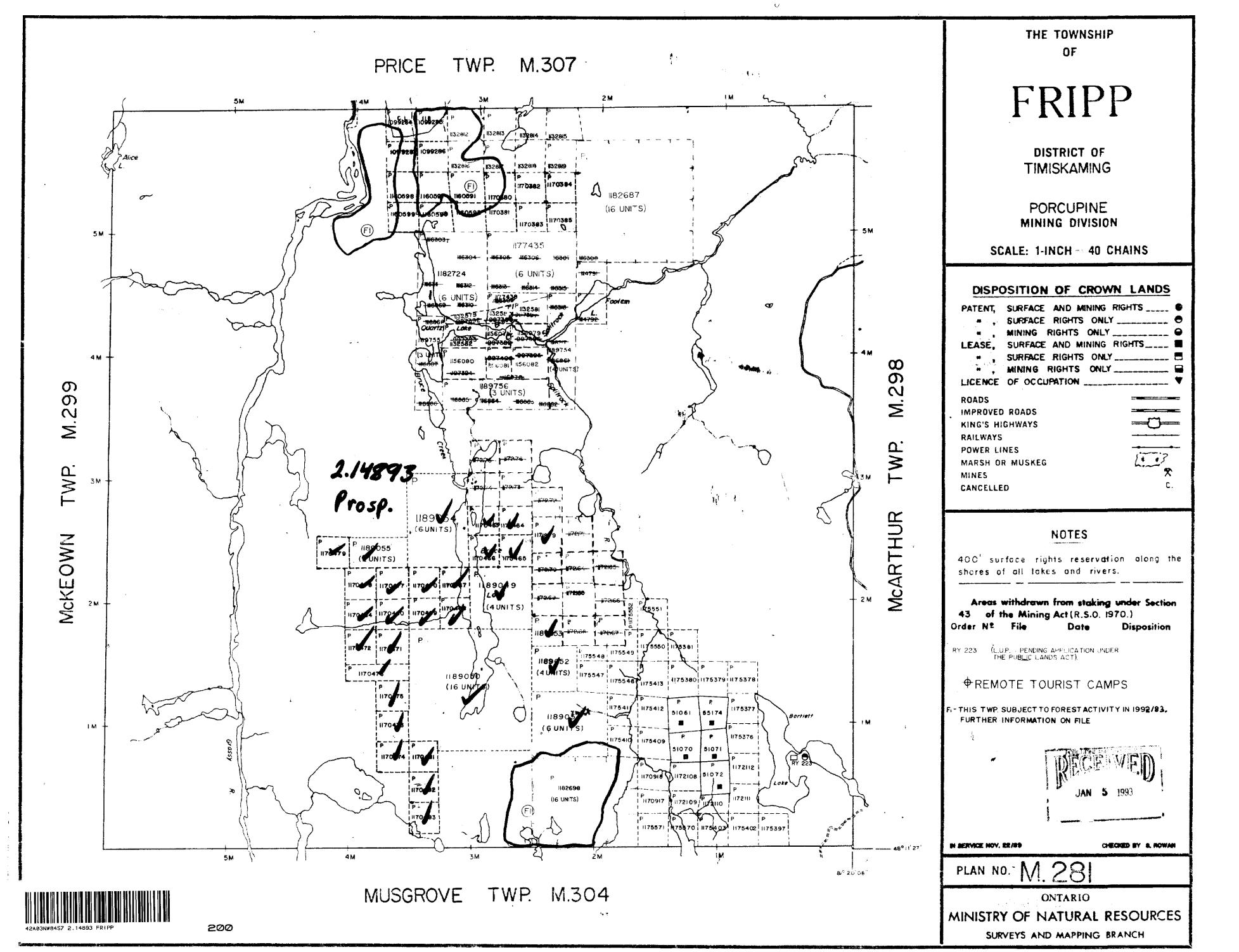
à faire cette attestation.

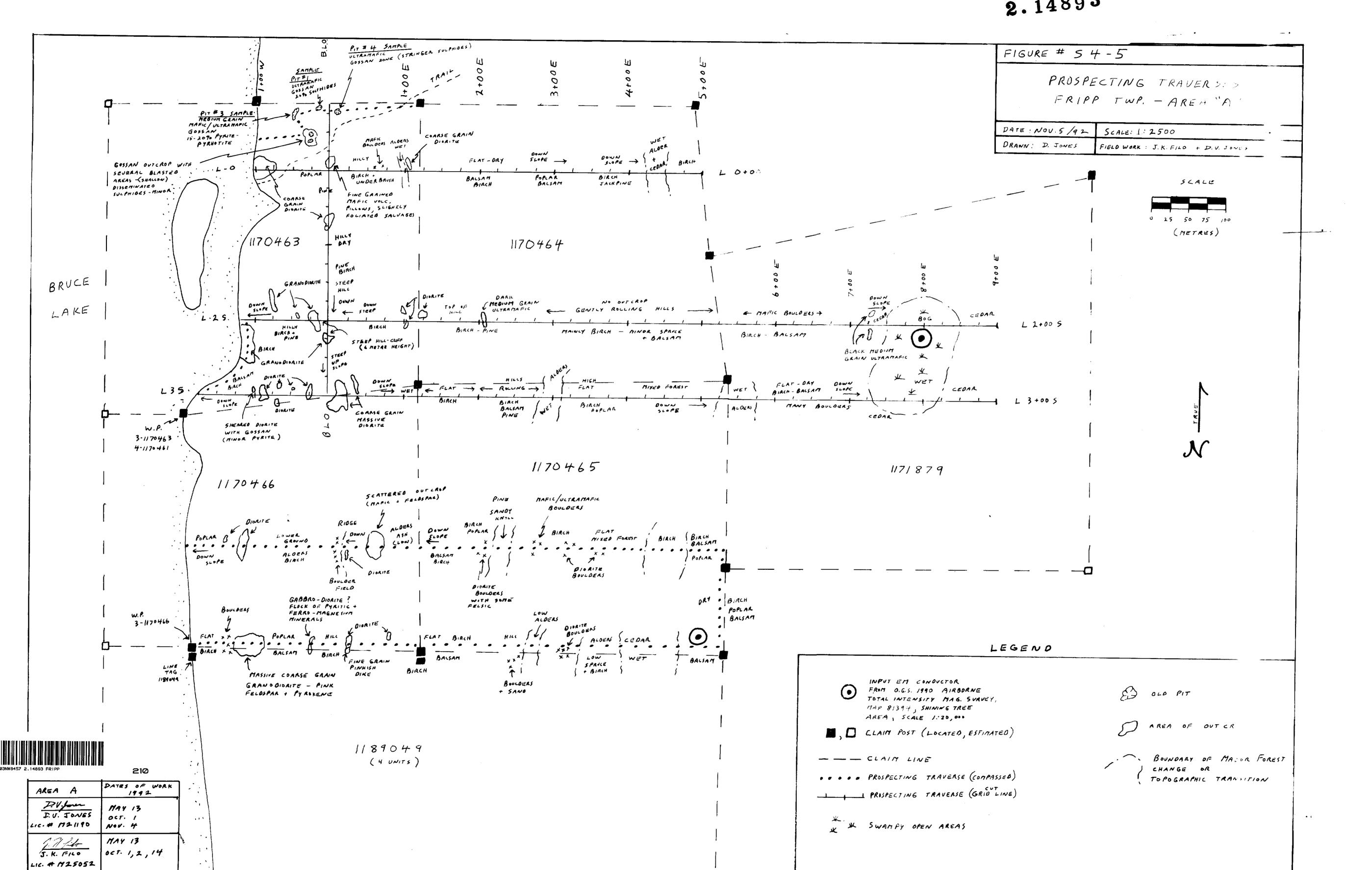
Signature

DEC. 24/

Note : Dans cette formule, forsqu'il désigne des personnes, le masculin est utilisé au sens neutre

Transaction No./N*	de transaction /	•
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