

# **INMET MINING CORPORATION**

# **MAGNETOMETER SURVEY**

# HUTT & ZAVITZ TWPS.

# **MATAWEST PROJECT**

<u>April 1997</u>





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### <u>MAPS</u>

1 - Claim Map	1:20 000
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#### I - INTRODUCTION:

At the request of INMET MINING CORPORATION, a <u>magnetometer</u> survey was undertaken, by Exploration Services Reg'd, during the month of April, 1997, on the Company's Hutt and Zavitz township property.

The <u>magnetometer</u> survey was undertaken to obtain information which could be usefull to the interpretation of the local geology.

The partial survey was carried out at this time to enable coverage over the iced surfaces of areas containing numerous lakes and streams a summer grid will be cut to pursue the survey over the entire property.

#### II - <u>PROPERTY</u>:

The MATAWEST property is composed of 17 claims containing 78 claim units. The claim numbers are as follows:

<u>Claim Number</u>	<u>Number of Units</u>
1177274	01
1177276	01
1177277	01
1177278	01
1177279	01
121 1977920	01
1213426	04

1217437	10
1217438	10
1217439	02
1217918	10
1217919	04
1217921	10
1217922	06
1217923	06
1218867	09
1218868	01

#### III - LOCATION & ACCESIBILITY:

The claim group straddles the Hutt-Zavitz township boundary at an approximate distance of 53 Km due south of the town of PORCUPINE.

The claim group is accessible by driving southwards, from the town of South Porcupine, along an access road for an approximate distance of 50 Km, then eastwards along the Matachewan road for a few kilometers; this road traverses the central part of the claim group in an east-west direction.

- 2 -

The magnetometer survey was carried out along a previously cut grid whose 3.8 Km long base line trends East-West. Cross lines, spaced at 200 m intervals extend northwards and southwards to cover the property area. Since the line cutting and survey are not completed, the partial line cutting to the West is referred as GRID (A) and the smaller project to the East is referred to as GRID (B). There are 30.5 line Km of cross lines cut and surveyed on GRID (A) and 7.5 line Km cut and surveyed on GRID (B).

#### - Instrumentation:

An OMNI IV nuclear precession magnetometer was used for the survey accompanied by a base station for diurnal corrections; readings were taken at every 12.5 meter intervals.

#### - Data Presentation:

The data were plotted on two seperate maps (A) and (B) at the scale of 1:5 000. The report includes a map with posted readings, a map with contour intervals and an interpretation map.

#### - Interpretation:

The 600 gamma contour interval outlines Northeast trending Iron Formations on GRID (A) and the 1 000 gamma contour line outlines the Southeast trending formations on GRID (B).

The Iron Formations appear as narrow bands which are often

discontinuous and occasionally folded. Their maximum width is in the range of 1 500 m. The 500 gamma contour interval appears to outline an area of sedimentary rocks which hosts the Iron Formations on GRID (B).

On GRID (A), the 400 gamma contour interval defines 2 Northwest-Southeast trending diabase dykes.

Values ranging from 200 to 400 gammas appear to indicate the presence of the volcanic rocks of the area.

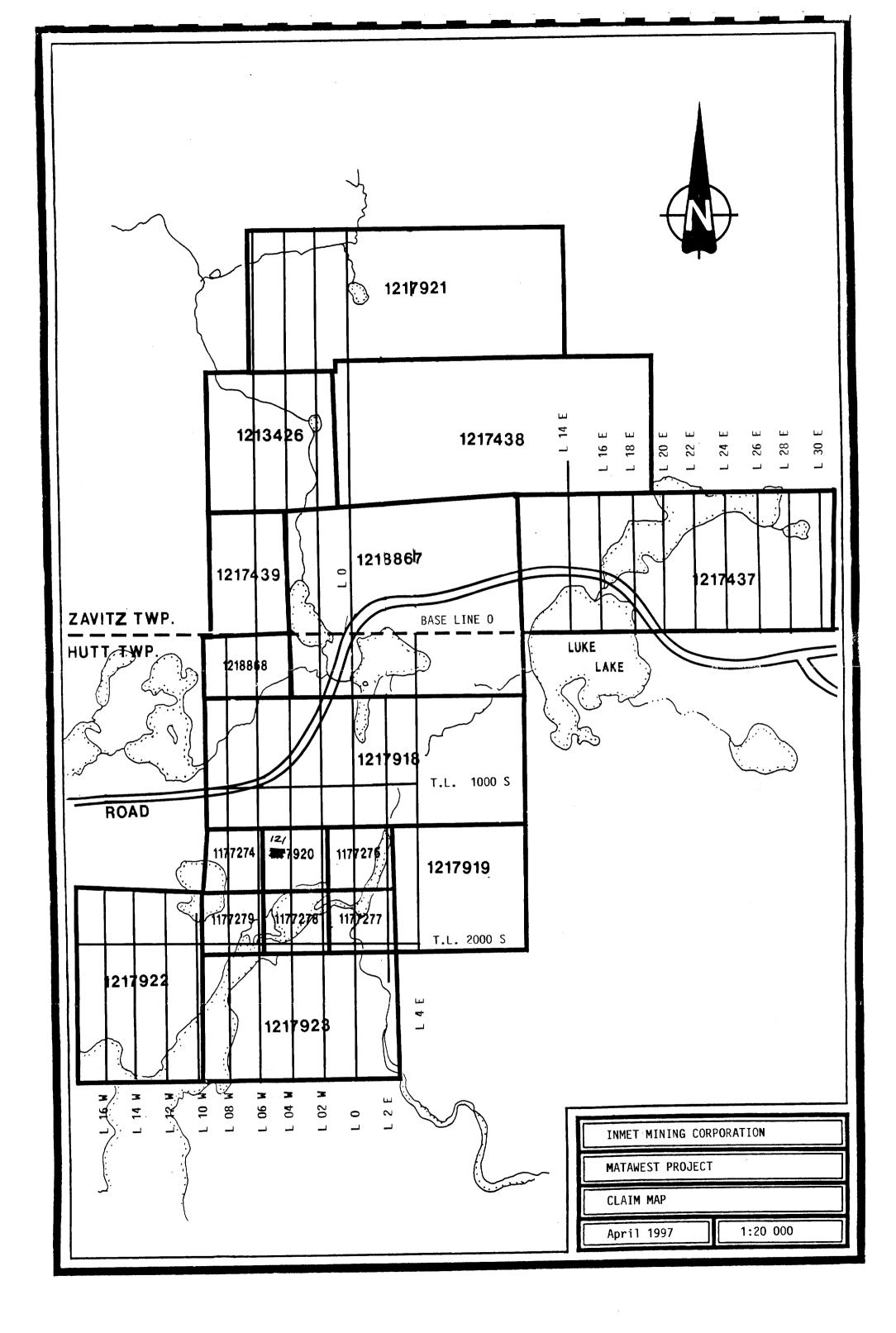
# V - CONCLUSION & RECOMMENDATIONS:

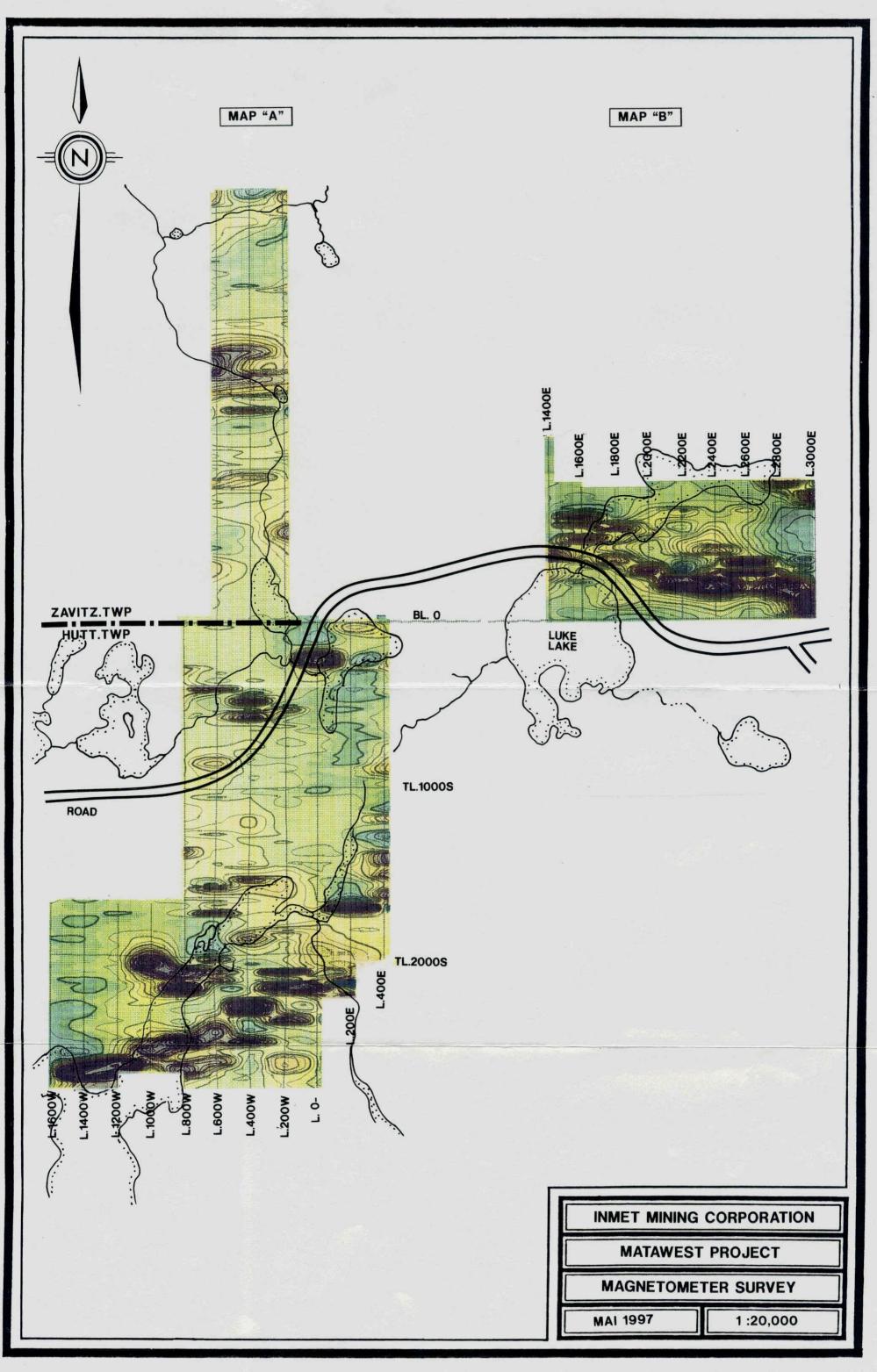
The <u>partial magnetometer</u> survey has outlined the presence of narrow bands of Iron Formations trending Northeast and Southeast; the survey has also indicated the presence of 2 diabase dykes trending Northwest and Southeast. A more comprehensive interpretation will be possible once the survey has been completed over the entire property.

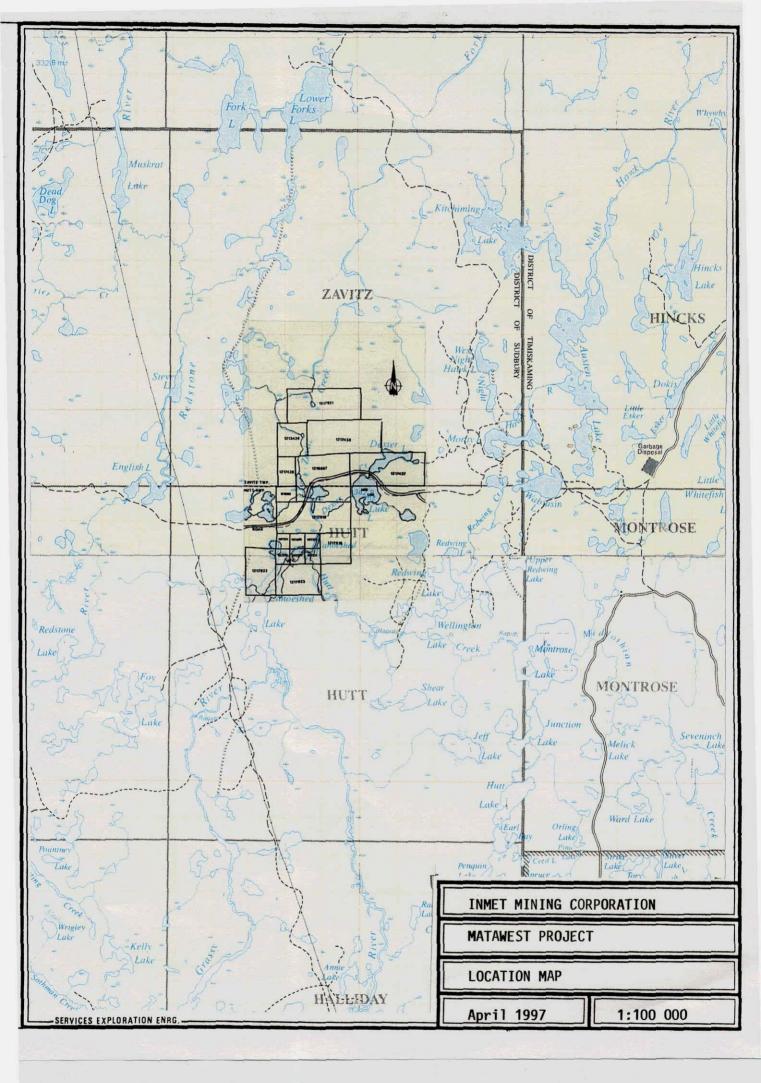
**Respectfully submitted:** 

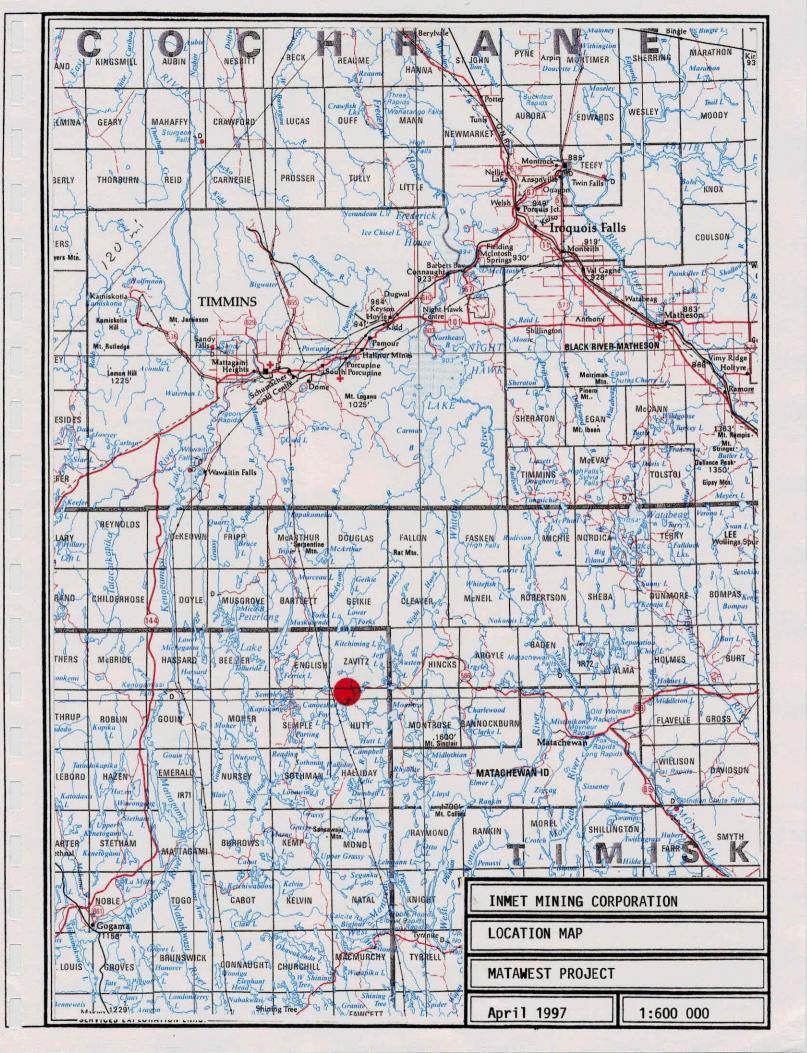
E. Chartré: B.A., B. Sc.:\_\_\_\_\_

April 30, 1997









🕅 Ontario	Ministry of Northern Developme and Mines	Declaration of As Performed on Mir		1.9760.00153
		Mining Act, Subsection 65(2	and 66(3), R.S.O. 1	Assessment Files Research Imaging 990
Personal infc Mining Act, tl Questions al 933 Ramsey 42A035	SE0027 2.17456 ZAVITZ	900	issment work histry of Nor	3) of the Mining Act. Under section 8 of the and correspond with the mining land holder. thern Development and Mines, 6th Floor,
	ase type or print in		<b>rding a claim, us</b>	
Name INMET M	•		Client Num	169 899
Address SUITE 340		P P Bay 10	Telephone	
-				- 361-6400
	Dominion CE		Fax Numbe	1
TORONTO,	ONTARIO, M	5K IAI	416	- 361 - 3564
Name		<u></u>	Client Num	
Address		- MAE	Telephone I	
		2.1745	Fax Number	r
Geotechnical:		( ~ ) and report on only ON s, Physical:	IE of the followin drilling, stripping and associated	
Work Type	· · · · · · ·			Office Use
LINE CUTTI	NG +		Commodi	ty Au
6 EOPHYSICA	L SURVEY (M	AG.)	Total \$ V Work Cla	
Dates Work Performed From	15 0-1 97 Day Month Year	To 30 04 97 Day Month Year		orence 42 A/3, 41 P/14
Global Positioning System		ownship/Area ZAVITZ , HUTT	Mining Di	vision PORCUPINE
	N	or G-Plan Number M-1189, 63948	Resident District	Geologist PORCUPINE

M-1189, 6-3948 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 SERVICES EXPLO	CRATION ENR.	Telephone Numbe BIS-797	
Address 765 BOUL. PUÉB	EC, P.J. BOX 428	Fax Number	
	DA. P.D. J9x 5C4	800-66	1-1848
Name		Telephone Numbe	ſ
Address	DECEIVED	Fax Number	
Name	(a)	Telephone Numbe	r
Address	A 1997	Fax Number	, ,
	PORCUPINE MINING DIVISION		· · ·
4. Certification by Record	ded Holder or Agent		
I, BERNARD	ime)		al knowledge of the facts set
	Assessment Work having caused the wo to the best of my knowledge, the annex		r witnessed the same during
	(1)		
Signature of Recorded Holder or Age	Demaid 121		Date MAY 13, 1997
Agent's Address IN MET MINING, 1300 RAUYN- NORANDA,	D SAGUENAY, SOITE 200 0,	ohone Number 9- 764-6666	Fax Number 8/9-764-6404
	1 1 0000 10	107	

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

must accompany this form. $W. 9760.00$				760,00153		
work wa mining la column t	Claim Number. Or if is done on other eligible and, show in this the location number d 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.
eg	TB 7827	16 ha	\$26, 825	N/A	\$24,000	\$2,825
eg	1234567	12	0	\$24,000	0	0
eg	1234568	2	\$ 8, 892	\$ 4,000	0	\$4,892
1 1	1177274'		# 169	1400	\$169	0
2.	1177276	1	\$169	A400	\$169	0
3、	1177277	1	\$ 507	0	\$231	\$276
<b>4</b> (	1177278'		\$ 507	0	B 231	\$ 276
5.	1177279.	1	\$ 507	0	0	\$507
6	1213426'	4	\$1,016	0	0	\$1,016
7.	1217437-	10	83,723	0	0	# 3,723
8	1217438.	10	\$ 169	0	0	\$ 169
9 '	1217439'	2	\$ 339	0	0	\$ 339
10 ·	1217918 .	10	\$ 2,707	0	0	\$ 2,707
11	1217919-	4	A 339	0	0	# 339
12 .	1217920.	1	\$ 169	0	0	8169
13 /	1217921,	10	\$1,016	O	0	\$ 1,016
14+	1217922'	6	# 2,032	0	ð	\$ 2,032
151	1217923'	6	\$ 1,523	0	0	\$1,523
<b>I</b>		Column Totais	#14,892	800	#800	814,092

# I, <u>BERNARD</u> Boiley, , 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 Semand S. MAY 13, 1997

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

Some of the credits claimed in this declaration may be cut back. Please check (  $\sim$  ) 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):
5
7
7
2

PI

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.

Received Stamp	ME (m) SI	Deemed Approved Date	Date Notification Sent
	MAY 20 1997	Date Approved	Total Value of Credit Approved
0241 (02/96)	PORCUPINE MINING DIVISION	Approved for Recording by Mining Re	ecorder (Signature)

Ministry of
Northern Development
and Mines

🗑 Ontario

# Schedule for Declaration of Assessment Work on Mining Land

I transaction Number (onice	1 (126)
W.9760.001	53

work wa mining I the loca	Claim Number. Or if as done on other eligible land, show in this column tion number indicated 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
16	1218867'	9	\$1,523	0	0	\$ 1,523
17.	1218868	1	\$ 507	0	0	\$ 507
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		lump Totolo	12 424		0	82.030
	CO	lumn Totals TOTAL PI+P2	× 6,000	0 \$800	\$ 800	82,030 816,122 P.



Ministry of Northern Development and Mines

# **Statement of Costs** for Assessment Credit

Transac	tion Numb	per (office u	5e)
11/.	9160	.0015	12

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, kilo- metres of grid line, number of samples, etc.	Cost Per Unit of work	Total Cost
LINE CUTTING	47 Km	\$ 283.95/Km	\$13,346
MAG. SURVEY	44.7 Km	\$80 /Km.	\$ 3,576
	· · · · · · · · · · · · · · · · · · ·		·
Associated Costs (e.g. supplie	s, mobilization and demobilization).	· · · · · · · · · · · · · · · · · · ·	
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		JUL ( 2 1997	
		-S BHANCE	J
Trans	portation Costs		
	ć	301642	<del>i</del> ĉ
Food	and Lodging Costs		
	Total Value of	f Assessment Work	816,922
2. If work is filed after two years	performance is claimed at 100% of the and up to five years after performance,	it can only be claimed	at 50% of the Total
Value of Assessment Work. If TOTAL VALUE OF ASSESSM	this situation applies to your claims, us ENT WORK $\times 0.50 =$		: ue of worked claimed
Note: - Work older than 5 years is not ( - A recorded holder may be requ	eligible for credit. ired to verify expenditures claimed in th rection/clarification. If verification and/or	is statement of costs w	
Certification verifying costs:	$\sim$ , do hereby certify, that the	amounts shown are as	20 1997
reasonably be determined and th	e costs were incurred while conducting	assessment work on th	MINING DIVISION Blands Indicated on
the accompanying Declaration of	Work form as <u>SENIOR</u> PROJ (recorded holder, agent, or state c	ECT (FEOLOG ompany position with signing aut	157 I am authorized
to make this certification.			
	Signatore	Date	1 - 10-
0212 (02/96)	1 Illin	aur N	NAY 13, 1997

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

July 31, 1997

INMET MINING CORPORATION SUITE 3400, AETNA TOWER, P.O. BOX 19 TORONTO DOMINION CENTRE TORONTO, Ontario M5K-1A1 😵 Ontario

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

Telephone: (888) 415-9846 Fax: (705) 670-5863

Dear Sir or Madam:

Submission Number: 2.17456

		Status
Subject: Transaction Number(s):	W9760.00153	Deemed 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.

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 Steve Beneteau by e-mail at beneteau\_s@torv05.ndm.gov.on.ca or by telephone at (705) 670-5855.

Yours sincerely,

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

# **Work Report Assessment Results**

Transaction	nce Sent: July 31, 1997 First Claim		Assessor:Steve Beneteau			
Number	Number	Township(s) / Area(s)	Status	Approval Date		
W9760.00153	1177274	ZAVITZ, HUTT	Deemed Approval	July 31, 1997		
Section: 14 Geophysical M	AG					
Correspondence	to:		Percented Holds ( )			
			necorded Holder(s)	200/or Agent(e)		
Resident Geologis South Porcupine,	t		<b>Recorded Holder(s)</b> Bernard Boily ROUYN-NORANDA,			

16:43



#### DIVISION EXPLORATION 1300 Boul. Saguenay, Suite 200 C.P. 2187, Rouyn-Noranda (Québec) J9X 5A6 Fax:(819) 764-6404 Tel: (819) 764-66666

#### FORMULE DE TRANSMISSION - TELECOPIEUR RAPIFAX MESSAGE FORM

DATE: July 30, 1997

DESTINATAIRE: <u>Steven Beneteau</u> DESTINATION:

ENDROIT: Assessment Office - Sudbury LOCATION:

TELECOPIEUR: (705) 670 - 5863

ENVOIDE: BERNARD BOILY SENDER:

Subject: Magnetometer survey - Hutt & Zavitz Twps. - Matawest Project - April 1997

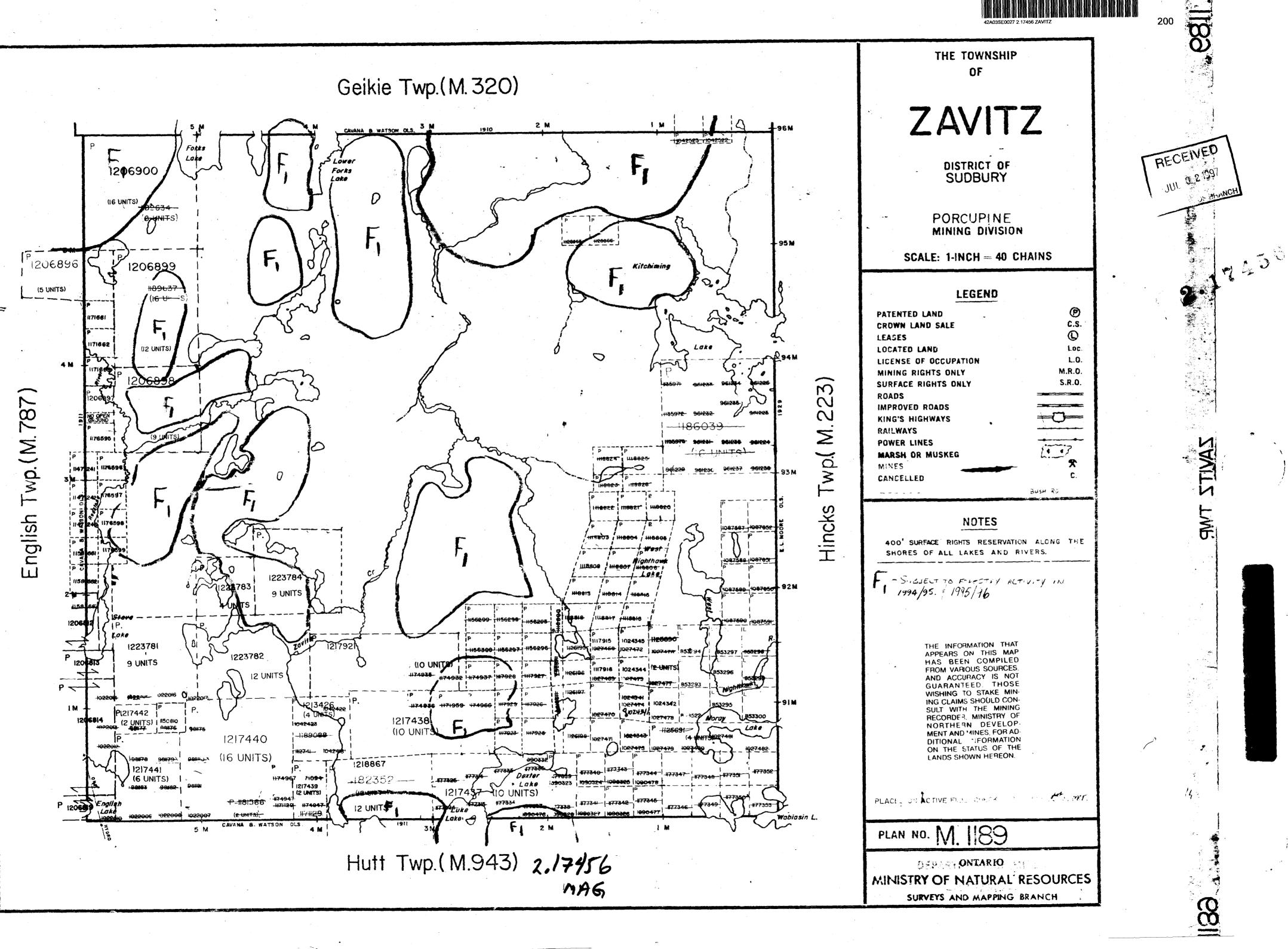
Dear Mr. Beneteau,

On the maps accompanying the report, the Profile base is 57,500 gammas. Thus, 57,500 gammas should be added to the posted values to have the real values.

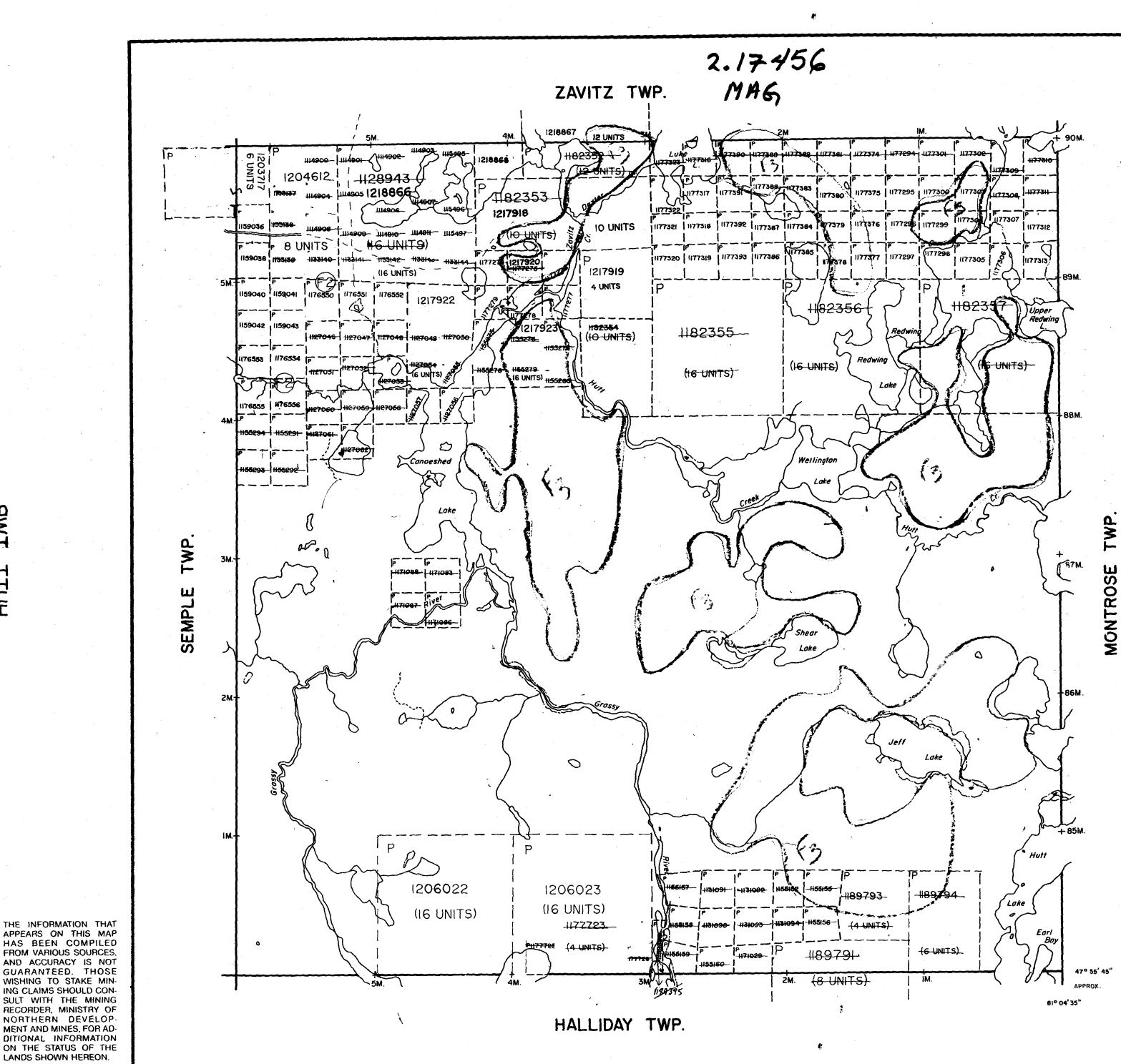
Regards,

Bernard Boily Senior Project Geologist

	• •	BONNE JOURNEE! HAVE A NICE DAY	1	
Par: By:	<b>B.B.</b>	Nombre de page (s) incluant celle-ci: Number of page (s) including this one:		Heure: 16:45 Time:



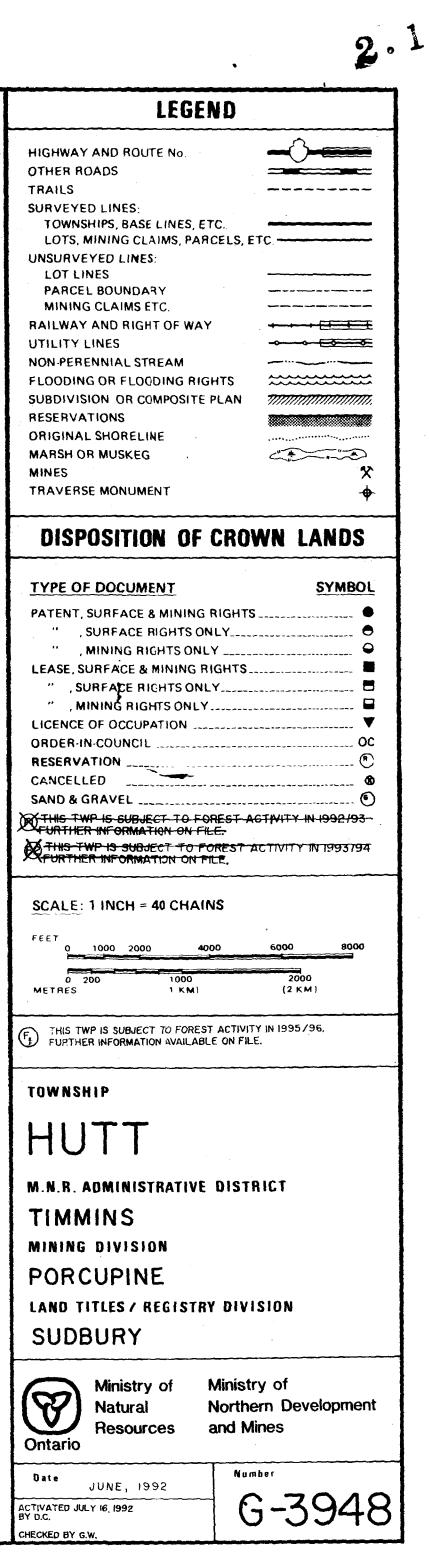


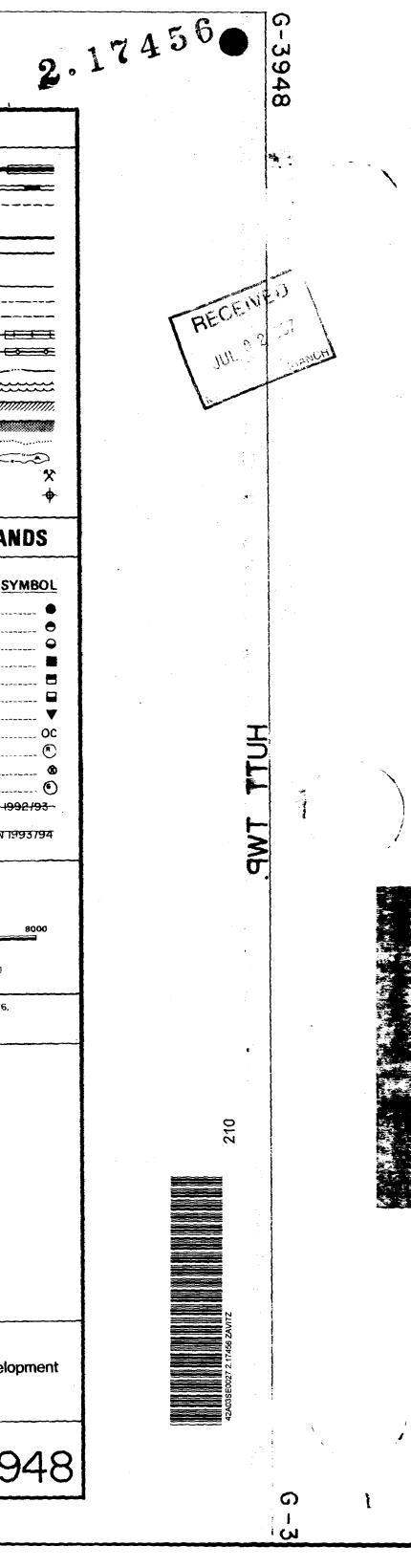


APPEARS ON THIS MAP HAS BEEN COMPILED FROM VARIOUS SOURCES, AND ACCURACY IS NOT GUARANTEED. THOSE WISHING TO STAKE MIN-ING CLAIMS SHOULD CON-SULT WITH THE MINING RECORDER, MINISTRY OF NORTHERN DEVELOP-MENT AND MINES, FOR AD-DITIONAL INFORMATION ON THE STATUS OF THE LANDS SHOWN HEREON.

**Mb** 

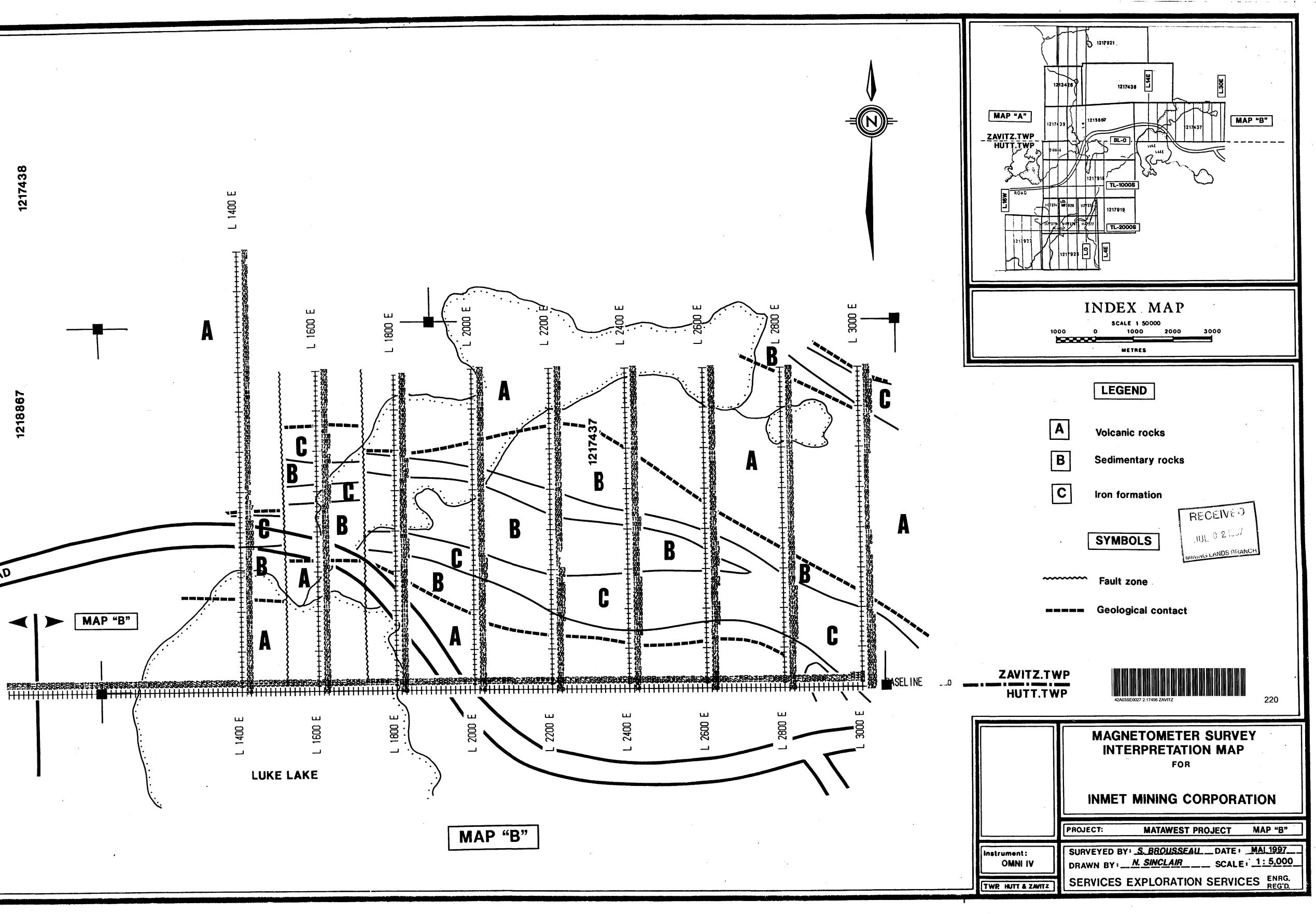
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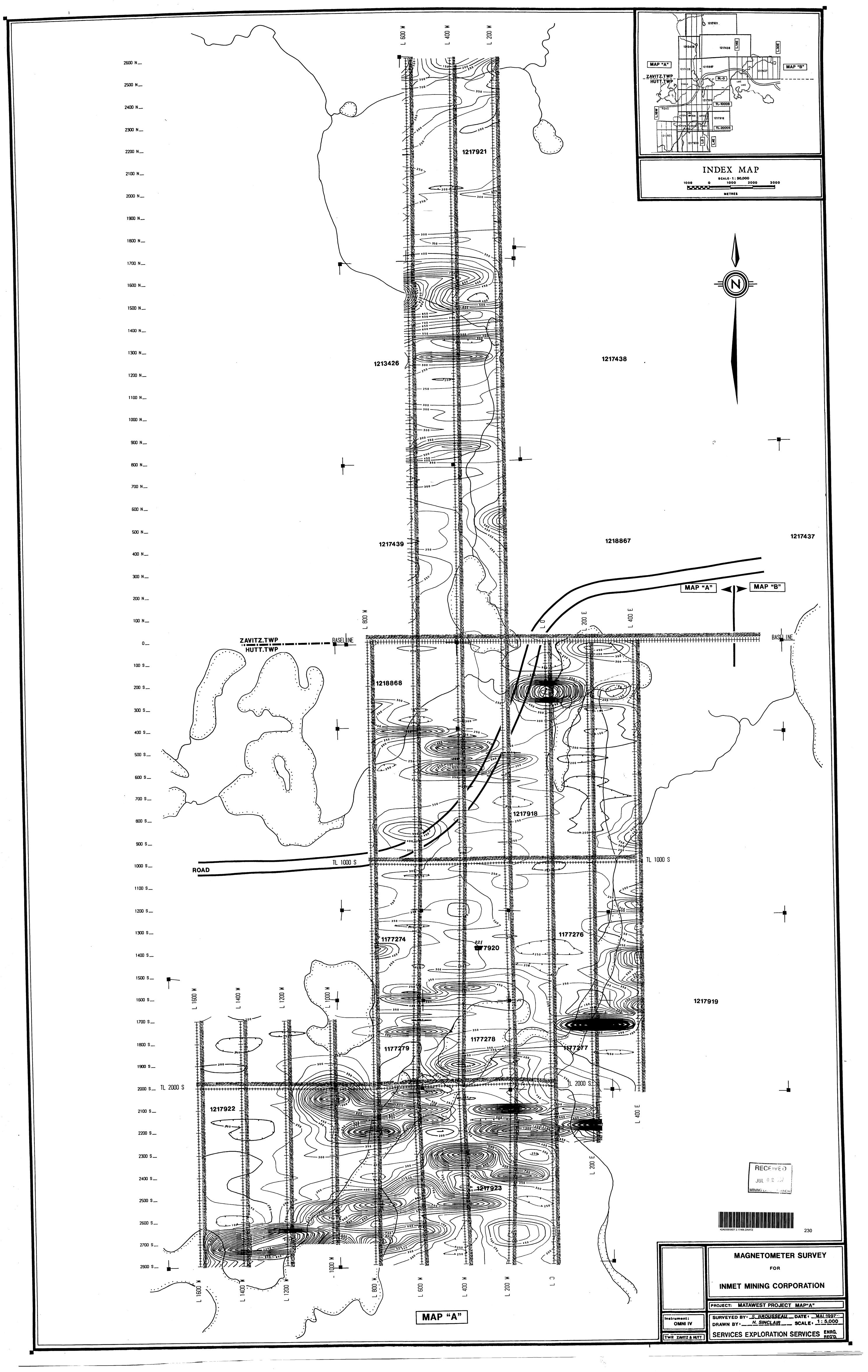






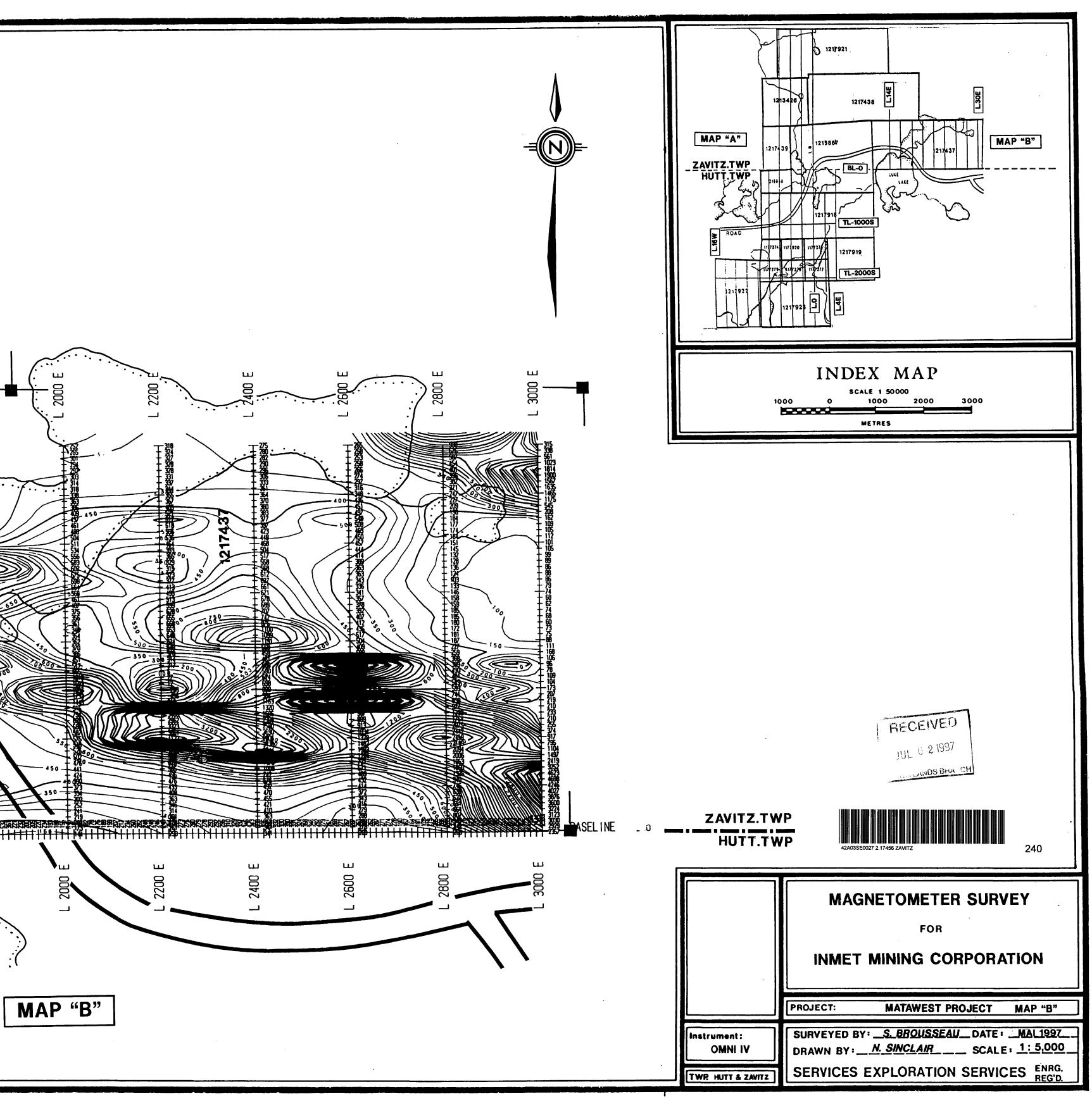
1400 N\_ 1217438 1300 N. ш 1400 1200 N.\_\_ 1100 N\_ 1000 N\_ പ ш 1600 1800 900 N.\_\_ \_\_\_\_ \_\_\_\_ 800 N\_ 1218867 700 N.\_\_ - 120 (20) U 600 N..... 500 N.... i' <u>en en en</u> f 400 N\_\_\_ 5 **- - - -**DAD 300 N\_ MAP "B" 200 N.... MAP "A" 100 N\_\_\_ **BASELINE** 0\_\_\_ ш പ ш 1800 1600 **6** \_ LUKE LAKE





1400 N\_ 1217438 1300 N.... ш 400 1200 N\_ 1100 N\_\_\_ 1000 N.... ப ப 600 1800 900 N \_\_\_ 800 N\_ 218867 700 N\_\_\_ 600 N\_ 500 N\_\_ 400 N\_\_\_ ROAD 300 N \_\_\_\_ 200 N\_ MAP "A" MAP "B" 100 N\_\_\_ **BASEL INE** 0\_\_\_ цц -പ ш 1800 1600 400 LUKE LAKE

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