42A01SE0025 2.15407 EBY

Report on Ground Magnetic

Geophysical Survey for

Greater Lenora Resources Corp.

Kenogami Lake Grid - Eby & Grenfell Twp.

Larder Lake Mining District

2.15407

Thomas Obradovich

April 1994

42A01SE0025 2.15407 EBY

TABLE OF C

	Page
Introduction	2
Property Description and Access	2,3
Geology	3,4
Survey Procedure and Results	4,5
Conclusions and Recommendations	5
Certificate of Qualifications	6
List of Figures	
Property Location	fig 1
Claim Map	fig 2
Grid Sketch	fig 3
Appendix I	
Instrument specifications	

Introduction

This report outlines the results of a total field magnetic survey conducted over the western portion of Kenogami Lake on nine claims comprised of twenty-nine units held by Greater Lenora Resources Corp. The claims straddle the township boundary of Grenfell and Eby Townships and are contiguous.

A grid tied into UTM coordinates was established on the lake for survey control and a total of twenty-five kilometres of total field magnetic data was collected.

The purpose of the survey was to identify any possible circular magnetic anomalies for diamond exploration and also to aid in the geological interpretation of formations underlying Kenogami Lake.

Property Description, Location and Access

The property consists of four lake claims in Grenfell townships containing a total of 14 units and seven claims in Eby Township containing 19 units plus two leased claims. They are numbered as follows:

Grenfell Township

claim number	units
1186602	2
1186603	2
1186604	6
1186605	4

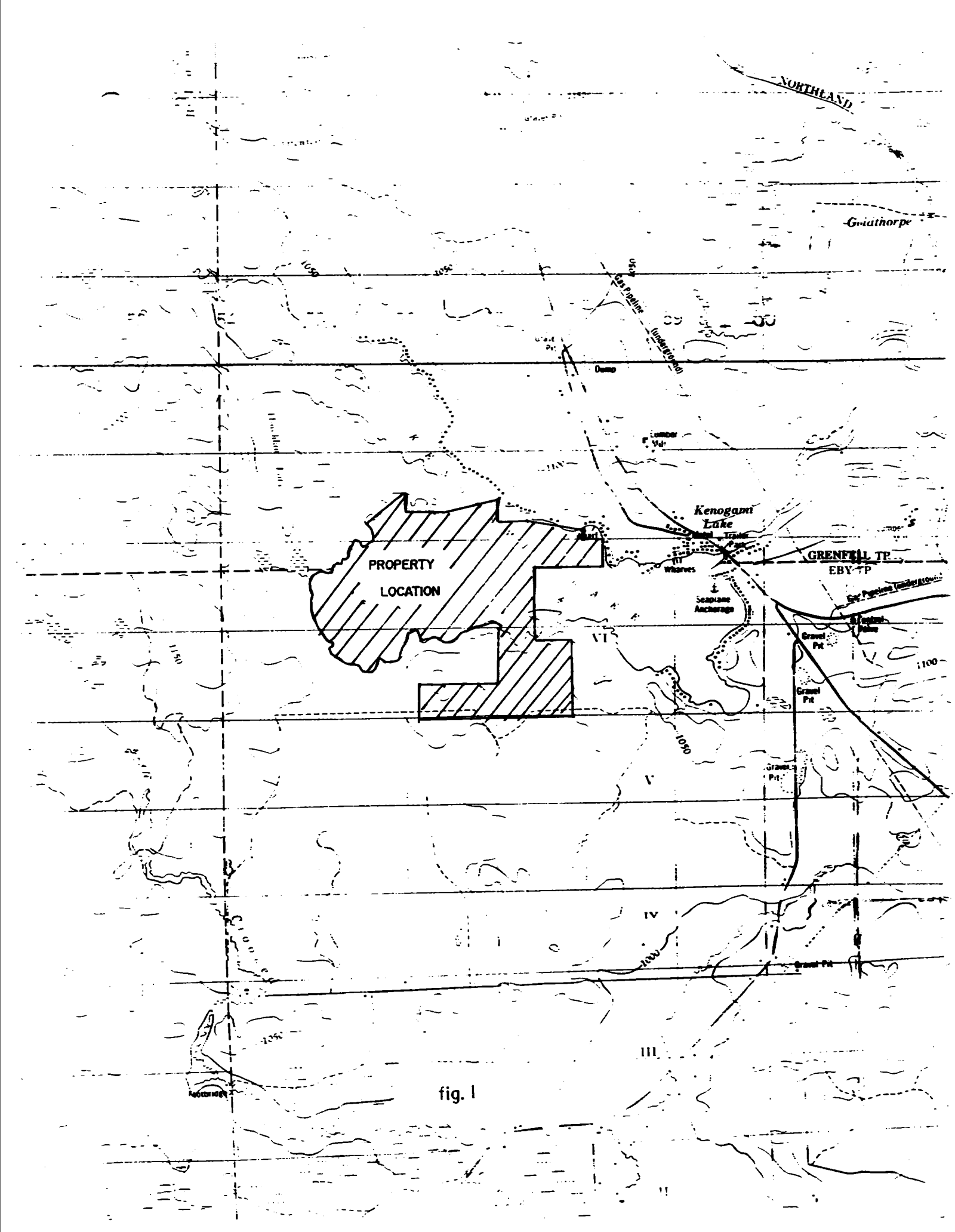

NORTHLAND
Griathorpe
Gas Pipeline (underground)
Dump
Kenogami Lake
PROPERTY
LOCATION
GRENFELL TP
EBY TP
Wharves
Seaplane Anchorage
Gravel Pit
Gravel Pit
Gravel Pit
Gravel Pit
1050
1100
1150
1200
1250
VI
V
IV
III

fig. I

Eby Township

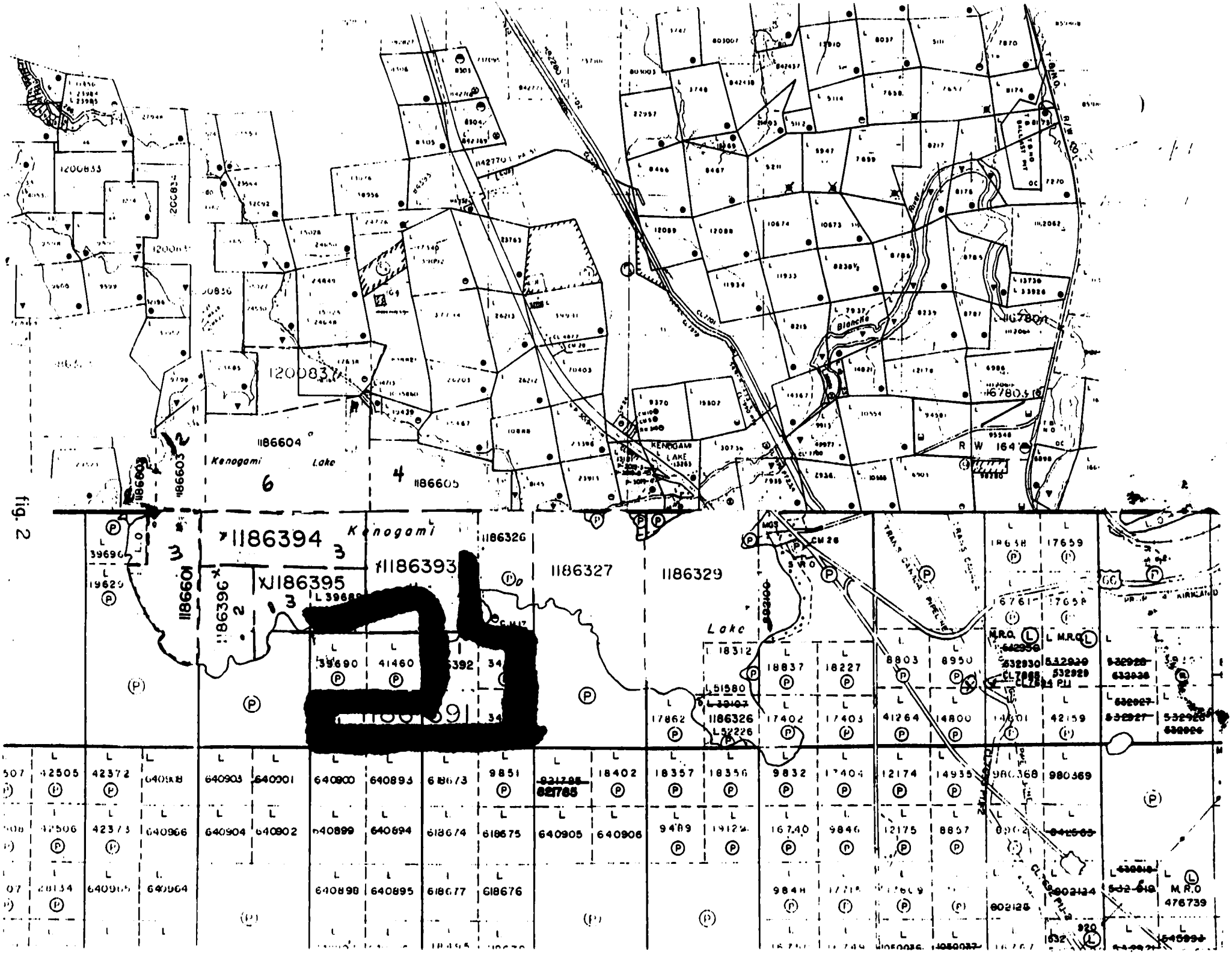
claim number	units
1186601	3
1186394	3
1186395	3
1186396	2
1186392	4
1186393	1
1186391	3
34386 patent	1
34387 patent	1

The claims are held by Greater Lenora Resources Corp. The project is easily accessed via highway 11 ten miles west of Kirkland Lake, Ontario. A road traverses the southern portion of the property off highway 66 one mile west of the intersection with highway 11. This is known as Boland Road. (see fig i)

Geology

The property is located in the western portion of the Abitibi Volcanic Belt. The Abitibi Volcanic Belt extends in an east-west direction from Chibougamau to Timmins. It is host to a number of precious and base metal deposits including the Chibougamau, Val d'Or, Noranda, Kirkland Lake and Timmins mining camps.

The belt is comprised of a complex assemblage of interbedded volcanic and sedimentary rocks intruded by a variety of intrusives. The rocks are of Archean age with numerous Precambrian diabase dykes cutting formations of the belt. The rocks generally strike east-west, have a near


1186394
Kenogami
1186326
1186393
1186327
1186329
1186395
1186396
1186601
1186603
1186604
Kenogami Lake
1186605
Lake
KENOGAMI LAKE
Blanche River
R W 164
Fig. 2

vertic ⁀ lip and are highly folded and faulted.

Two major structural faults running east-west and parallel through the Abitibi belt are features along which most of the important mineral deposits occur. The Destor-Porcupine and Larder-Cadillac fault zones have been areas of intense exploration activity for nearly a century.

The Larder-Cadillac fault zone may pass under Kenogami Lake. Sheared carbonatized outcropping on the south shore of the lake, which is a marker horizon all along the fault zone can be observed sporatically for a distance of two kilometres.

Survey Procedure and Results

Control Grid

A total of 25 kilometres of grid was established over Kenogami Lake. A laser theodolite survey from the bench mark on the south shore of Kenogami Lake was used to establish the baseline location at UTM 53275+00N. Grid lines were established every 100 m along the baseline from UTM 555200E to UTM 557200E. Pickets were then erected every 25 metres along base and picket lines. All pickets were removed from the lake immediately following completion of the survey.

Total Field Magnetic Survey

Total field magnetic data was collected at 25 meter intervals along picket lines with a Scintrex IGS-2 integrated magnetometer. Diurnal control was maintained using a cycling base station

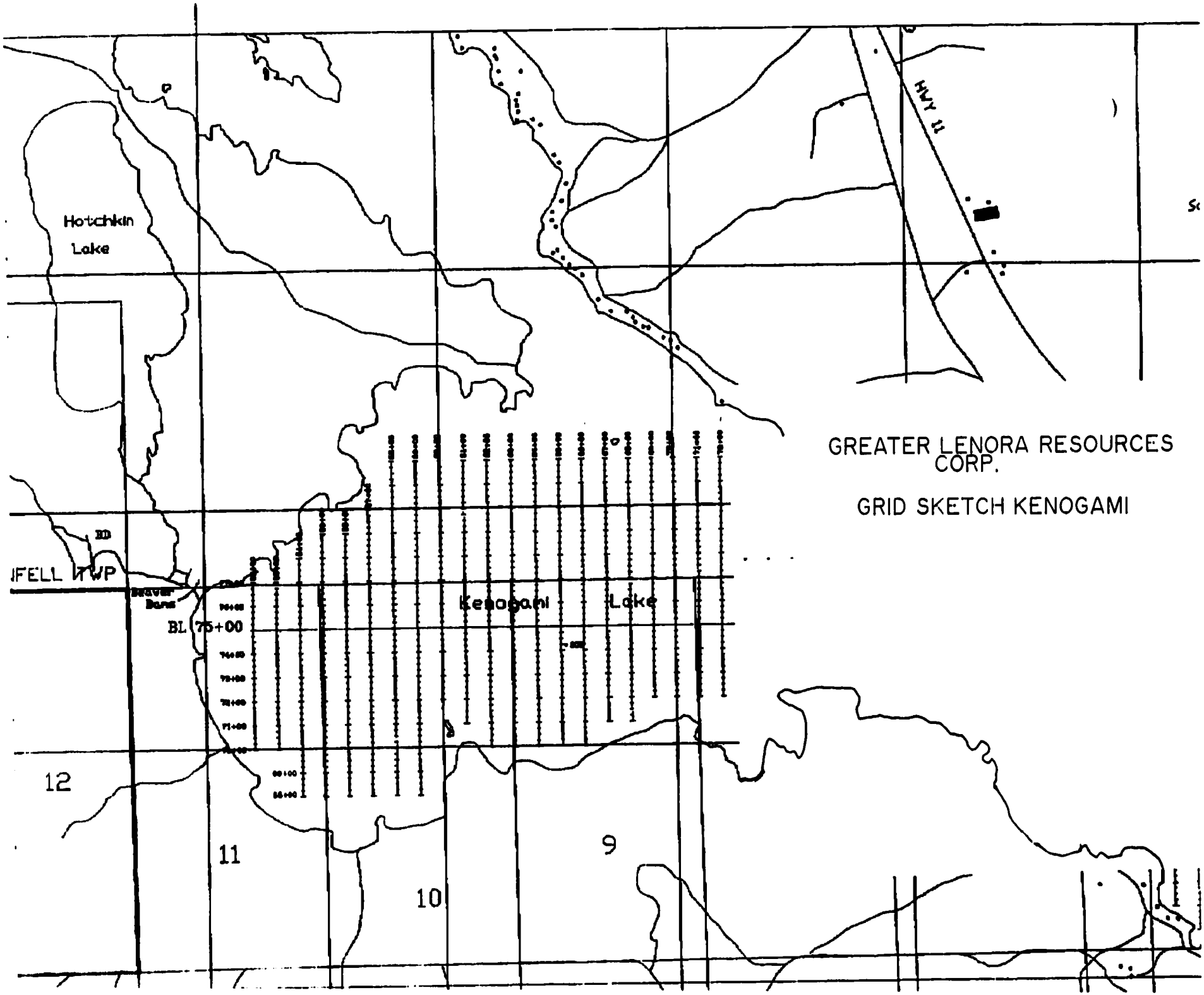

Hotchkin
Lake
HWY 11
GREATER LENORA RESOURCES CORP.
GRID SKETCH KENOGAMI
IFELL TWP
Kenogami
Lake
BL 75+00
12
11
10
9

fig. 3

(Scintrex MP-4) magnetometer set up on the west shore of Kenogami Lake south of the baseline. Results of the survey are presented in map form with this report.

Results of the Magnetic Survey

The results of the magnetic survey displayed fairly flat magnetic relief throughout the body of the grid with the exception of a strong magnetic anomaly on line 52+00E just south of the baseline. The anomaly is only partially expressed as it falls off the western edge of the grid. It appears circular and is approximately 1200 nT above background. Due to the strength of this anomaly and a related feature striking northwest tailing off to the south, it is assumed that this expression represents a diabase which are quite common regionally.

A magnetic feature exists to the extreme east of the grid on line 72+00E. It is approximately 600m long striking north and could be better interpreted with additional magnetic data to the east.

Conclusions and Recommendations

Based on the results of the survey it is recommended that the survey be expanded to the property boundaries to the east and west to better define the forementioned anomalies. It is also recommended that the anomaly to the west be tested with a diamond drill hole.

Certif te of Qualifications

I, Thomas Obradovich, do hereby certify that I am a mining technician-prospector residing at 75 Balsam Avenue, Kirkland Lake, Ontario;

that I have been practising my profession since 1980 and that i am a member of the Prospectors and Developers Association of Canada, Northern Prospectors Association and an associate of James Tilsley and Associates, Professional Engineer;

that I personally supervised and participated in the performance of this magnetic survey.

Respectfully submitted,

Thomas J. Obradovich
CET, Prospector

APPENDIX I

8.0 SPECIFICATIONS

8.1 Magnetometry Specifications

Total Field Operating Range	20,000 to 100,000 nT (1 nT = 1 gamma).
Gradient Tolerance For Total Field:	±5000 nT/m.
Total Field Absolute Accuracy	±1 nT at 50,000 nT ±2 nT over total field operating and temperature range.
Resolution	0.1 nT.
Tuning	Fully solid-state. Manual or automatic mode is keyboard selectable.
Reading Time	2 seconds. For portable readings this is the time taken from the push of a button to the display of the measured value.
Continuous Cycle Times	Keyboard selectable in 1 second increments upwards from 2 seconds to 999 seconds.
Operating Temperature Range	-40°C to +50°C provided optional Display Heater is used below -20°C.

8.2 Sensor Options

In the following options the actual sensors are identical; however, mountings and cables vary.

Portable Total Field Sensor Option	Includes sensor, staff, two 2 m cables and backpack sensor harness. Weight of sensor, cable and staff is 1.9 kg.

	Staff is 30 x 600 mm collapsed and 1600 mm extended.
Base Station Sensor Option	Includes sensor, tripod, 50 m cable external power cable and analog chart recorder cable. Weight of sensor, cable and tripod is 6.5 kg. Tripod is 540 mm collapsed, 1650 mm extended.
Gradiometer Sensor Option	For use with the Portable Total Field Sensor Option, includes second sensor, cables and both a .5m and a 1m staff extender. Combined weight of Total Field and Gradiometer Sensor options with staff, extender and cables is 3.5 kg.

Ministry of Northern Development and Mines
Ontario

Report of Work Conducted After Recording Claim

Mining Act

Transaction Number: W9480.00207

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

R. 15407

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

42A01SE0025 2 15407 EBY

900

Recorded Holder(s): GREATER LENORA RESOURCES CORP.		Client No.
Address: PO BOX 546 KIRKLAND LAKE ONTARIO P2N3J5		Telephone No.: 705 567 5351
Mining Division: LARDER LAKE.	Township/Area: EBY / GRENFELL	M or G Plan No.: M-345 / G-3212
Dates Work Performed	From: MARCH 21, 1994	To: APRIL 25, 1994

Work Performed (Check One Work Group Only)

	Work Group	Type
	Geotechnical Survey	MAGNETOMETER SURVEY
	Physical Work, Including Drilling	
	Rehabilitation	
	Other Authorized Work	
	Assays	
	Assignment from Reserve	

J5714
RECEIVED
MAY 03 1994
MINING LANDS BRANCH

Total Assessment Work Claimed on the Attached Statement of Costs $ 6955.

Note: The Minister may reject for assessment work credit all or part of the assessment work submitted if the recorded holder cannot verify expenditures claimed in the statement of costs within 30 days of a request for verification.

Persons and Survey Company Who Performed the Work (Give Name and Address of Author of Report)

Name	Address
THOMAS OBRADOVICH	75 BALSAM AVE. KIRKLAND LAKE.

(attach a schedule if necessary)

Certification of Beneficial Interest * See Note No. 1 on reverse side

	Date	Recorded Holder or Agent (Signature)
I certify that at the time the work was performed, the claims covered in this work report were recorded in the current holder's name or held under a beneficial interest by the current recorded holder.	APRIL 26, 1994	R.K. Routledge

Certification of Work Report

I certify that I have a personal knowledge of the facts set forth in this Work report, having performed the work or witnessed same during and/or after its completion and annexed report is true.

Name and Address of Person Certifying: R.K. ROUTLEDGE. PO BOX 546 KIRKLAND LAKE ON P2N 3J5.

Telepone No.	Date	Certified By (Signature)
705-567-5351	APRIL 26, 1994	R.K. Routledge / R.K. Routledge. Acting Vice-President

For Office Use Only

Total Value Cr. Recorded	Date Recorded	Mining Recorder	Received Stamp
$6955.	April 26/94		RECEIVED 94 APR 26 PM 2 10 MINING DIVISION LARDER LAKE
	Deemed Approval Date: July 25/94.	Date Approved	
	Date Notice for Amendments Sent		

0241 (03/91)

TRANSACTION	Claim Number (see Note 2)	Number of Claim Units	Value of Assessment Work Done on this Claim	Value Applied to this Claim	Value Assigned from this Claim	Reserve: Work to be Claimed at a Future Date
	1186601	3	$632.00 USED	$632.00 USED	0	—
	1186396	2	$422.00 USED	$422.00 USED	0	—
	1186391	3	$632.00 USED	$632.00 USED	0	—
	1186392	1	$211.00 USED	$211.00 USED	0	—
	1186393	4	$843.00 USED	$843.00 USED	0	—
	1186395	3	$632.00 USED	$632.00 USED	0	—
	1186394	3	$632.00 USED	$632.00 USED	0	—
	1186605	4	$843.00 USED	$843.00 USED	0	—
	1186604	6	$1265.00 USED	$1265.00 USED	0	—
	1186603	2	$421.00 USED	$421.00 USED	0	—
	1186602	2	$422.00 USED	$422.00 USED	0	—
	11		$6955.00	$6955.00	0	
	Total Number of Claims		Total Value Work Done	Total Value Work Applied	Total Assigned From	Total Reserve

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 prioritize the deletion of credits. Please mark (✓) one of the following:

1. ☑ Credits are to be cut back starting with the claim listed last, working backwards.
2. ☐ Credits are to be cut back equally over all claims contained in this report of work.
3. ☐ 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.

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

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.

Signature	Date

0241 (03/91)

Ministry of Northern Development and Mines

Ontario

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: W 9480.00207

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

1. Direct Costs/Coûts directs

Type	Description	Amount Montant	Totals Total global
Wages Salaires	Labour Main-d'oeuvre		
	Field Supervision Supervision sur le terrain		
Contractor's and Consultant's Fees Droits de l'entrepreneur et de l'expert-conseil	Type Contractor	$695.00	
Supplies Used Fournitures utilisées	Type		
Equipment Rental Location de matériel	Type		
	Total Direct Costs Total des coûts directs		$695

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.

Type	Description	Amount Montant	Totals Total global
Transportation Transport	Type		
Food and Lodging Nourriture et hébergement			
Mobilization and Demobilization Mobilisation et démobilisation			
	Sub Total of Indirect Costs Total partiel des coûts indirects		
	Amount Allowable (not greater than 20% of Direct Costs) Montant admissible (n'excédant pas 20 % des coûts directs)		
	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)**		

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.

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.

Filing Discounts

1. 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 =	

Remises pour dépôt

1. Les travaux déposés dans les deux ans suivant leur achèvement sont remboursés à 100 % de la valeur totale susmentionnée du crédit d'évaluation.
2. 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	Évaluation totale demandée
× 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 VICE PRESIDENT EXPLORATION I am authorized
(Recorded Holder, Agent, Position in Company)

to make this certification

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
[signature]	April 26 1994

0212 (04/91)

Nota : Dans cette formule, lorsqu'il désigne des personnes, le masculin est utilisé au sens neutre.

Ontario

Ministry of Northern Development and Mines

Ministère du Développement du Nord et des Mines

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

July 18, 1994

Our File: 2.15407
Transaction #: W9480.00207

Mining Recorder
Ministry of Northern Development & Mines
4 Government Road East
Kirkland Lake, Ontario
P2N 1A2

Dear Sir/Madam:

Subject: APPROVAL OF ASSESSMENT WORK CREDITS ON MINING CLAIMS L.1186601 ET AL IN EBY AND GRENFELL TOWNSHIPS

Assessment work credits have been approved as outlined on the attached Assessment Work Credit Form for the submission. The credits have been approved under Section 14, Geophysics (Magnetic) of the Mining Act Regulations.

The approval date is July 18, 1994.

If you have any questions regarding this correspondence, please contact Lucille Jerome at (705) 670-5855.

Yours sincerely,

Ron C. Gashinski
Senior Manager, Mining Lands Section
Mining and Land Management Branch
Mines and Minerals Division

LJ/lj

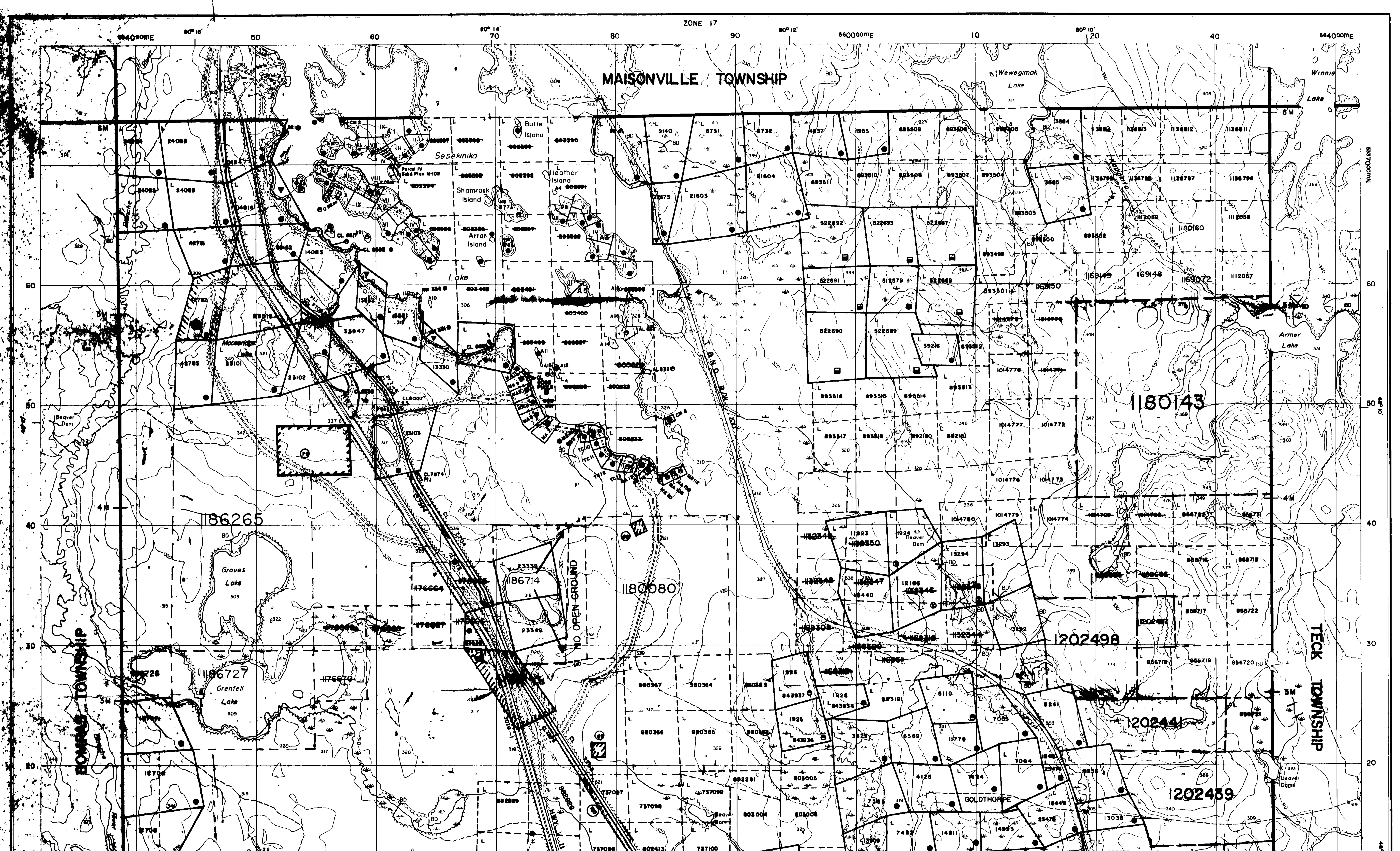
cc: Resident Geologist
Kirkland Lake, Ontario

Assessment Files Library
Sudbury, Ontario

ASSESSMENT WORK CREDIT FORM

FILE NUMBER: 2.15407
TRANSACTION NUMBER: W9480.00207
DATE: July 18, 1994
RECORDED HOLDER: Greater Lenora Resources Corp.
CLIENT NUMBER:

CLAIM NUMBER	VALUE OF ASSESSMENT WORK DONE ON THIS CLAIM	VALUE APPLIED TO THIS CLAIM	VALUE ASSIGNED FROM THIS CLAIM	RESERVE
1186601	715	632	83	0
1186396	480	422	58	0
1186391	0	632	0	0
1186392	0	211	0	0
1186393	970	843	27	0
1186395	715	632	83	0
1186394	715	632	83	0
1186605	970	843	127	0
1186604	1430	1265	165	0
1186603	480	421	59	0
1186602	480	422	58	0
	6955	6955		0



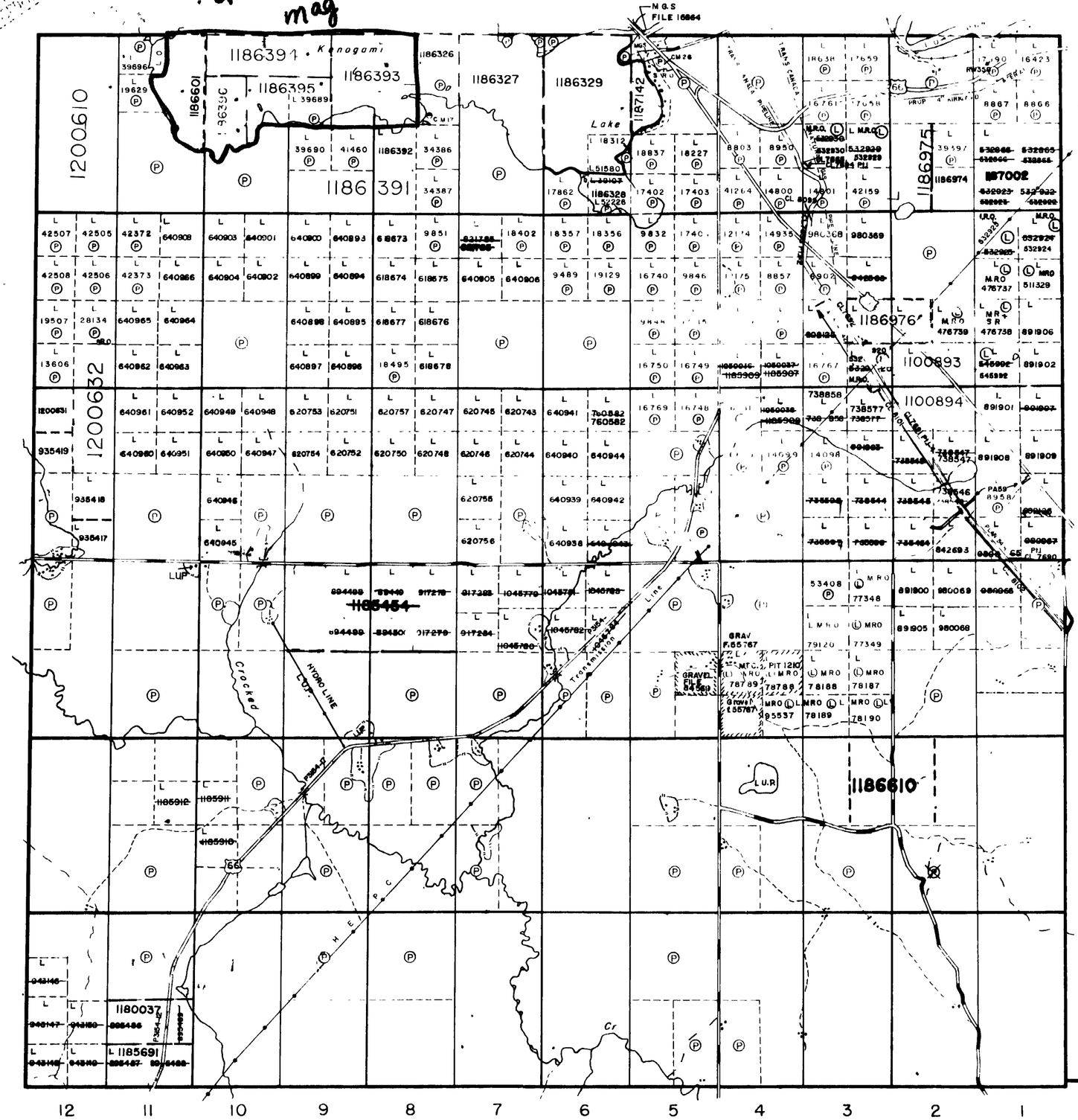
42A01SE0025 2.15407 EBY

200

M.345
EBY TWP
PATENTS IN
APR 28 1994
LAND BRANCH
MINING LANDS SECTION

2.15407 mag

Grenfell Twp. M.351



Burt Twp. M.334

Otto Twp. M.379

Blain Twp. M.418

COPY OF THIS MYLAR ARCHIVED APR.27/92

K. Kalamov

THE TOWNSHIP OF EBY

DISTRICT OF TIMISKAMING

LARDER LAKE MINING DIVISION

SCALE 1 INCH=40 CHAINS

LEGEND

PATENTED LAND	(P)
CROWN LAND SALE	C.S.
LEASES	(L)
LOCATED LAND	Loc.
LICENSE OF OCCUPATION	L.O
MINING RIGHTS ONLY	M R O
SURFACE RIGHTS ONLY	S R O
ROADS	
IMPROVED ROADS	
KINGS HIGHWAYS	
RAILWAYS	
POWER	
MARSH	
MINES	
CANCELLED	C.

NOTES

400' surface rights reservation along the shores of all lakes and rivers

AREAS WITHDRAWN FROM STAKING

Surface Rights Withdrawn under Sec 36
The Mining Act R S O 1980, ORDER NO W-01791/ONT
Trans Canada Pipeline Right of Way and Buffer
Zone particularly 40.25 meters or 132 ft. on either side of centre line of right of way

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

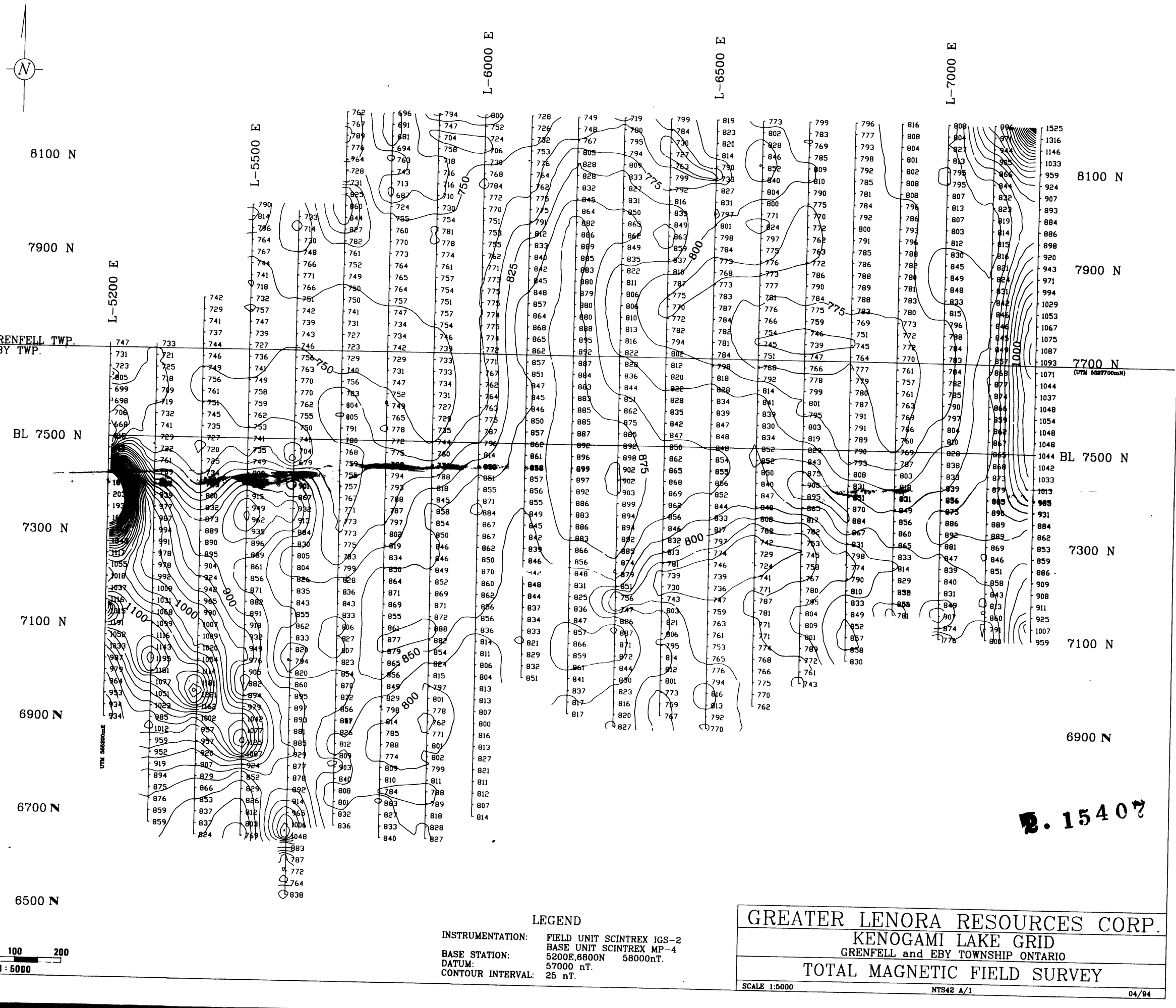
PLAN NO.- M-345

MINISTRY OF NORTHERN DEVELOPMENT AND MINES

M.342
42A01SE0025 2 15407 EBY

Rec'd Jan. 25/89

TRIM LINE



220

LEGEND

INSTRUMENTATION:	FIELD UNIT SCINTREX IGS-2 BASE UNIT SCINTREX MP-4
BASE STATION:	5200E,6800N 58000nT.
DATUM:	57000 nT.
CONTOUR INTERVAL:	25 nT.

GREATER LENORA RESOURCES CORP.

KENOGAMI LAKE GRID

GRENFELL and EBY TOWNSHIP ONTARIO

TOTAL MAGNETIC FIELD SURVEY

SCALE 1:5000 | NTS42 A/1 | 04/94

42A01SE0025 2.15407 EBY

2.15407