010

Report on

Magnetometer Surveys

Kamiskotia Area Grids

Godfrey and Jamieson Townships

Porcupine Mining Division

NTS 42 A/5, 12

Timmins,Ontario
November 26, 1981

L. A. Baldwin
Norcen Energy Resources

## RECEIVED

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MINING LANDS SECTIO.

#### SUMMARY AND CONCLUSIONS

A ground proton precession magnetometer survey was carried out over four properties held by Norcen Energy Resources
Limited in the Kamiskotia area. These properties are located in Godfrey and Jamieson Townships and comprise a total of 100 claims.

These surveys were not particularly useful in the tracing out of units mapped in metavolcanic rocks. The numerous magnetite bearing diabase dykes that swarm through all other rocks in the area exhibited distinctive linear anomalies on all surveys.

#### INTRODUCTION

This report outlines the results of magnetometer surveying on four properties held by Norcen Energy Resources in the Kamiskotia area. The Steep, Long, and Forbes grids are located in the western half of Godfrey Township and the Kam grid in the southwestern part of Jamieson Township. The surveys were undertaken to aid in delineation of geological map units.

The claims covered by the surveys are described below and listed by number on the enclosed lists and sketches:

Kam Group - Jamieson Township, 41 claims

Concession 3 approximately SW% S% Lot 7

(concession not " S% Lot 8

surveyed) " whole of Lot 9

" S% S% Lot 10

Concession 2 approximately Why Lot 7

NW Ny Lot 10

E's N's Lot 10

NE% S% Lot 10

NE¼ N½ Lot 11

Concession 1 NW4 N/2 Lot 7

Steep group - Godfrey Township, 10 claims

Concession 6 SW4 S4 Lot 8

SE¼ S½ Lot 9

SE% S% Lot 10

Concession 5 Why Nhy Lot 8

Ei Ni Lot 9

SE¼ N½ Lot 9

E첫 N첫 Lot 10

#### Long Group - Godfrey Township, 38 claims

Concession 5 Sty Sty Lot 7

SE¼ S½ Lot 8

Concession 4 whole of Lot 7

S첫 S첫 Lot 8

Concession 3 NW4 N/2 Lot 7

Ei Ni Lot 7

St Lot 8

NE¼ N½ Lot 8

Why Shy Lot 8

Concession 2 Nh Lot 7

N's S's Lot 7

SW% S% Lot7

N⅓ Lot 8

Ny Sy Lot 8

SE% N% Lot 9

NE¼ S¼ Lot 9

#### Forbes Group - Godfrey Township, 11 claims

Concession 3 Ny Lot 10

Ny Sy Lot 10

SW¼ S½ Lot 10

Concession 2 N½ Lot 10

#### KAM GROUP

## Jamieson Township Claims covered by magnetometer survey

P583555	P586087
P583556	P586088
P583557	P586089
P583558	P586090
P583559	P586145
P583560	P586146
P585012	P586147
P585013	P597476
P585014	P597477
P585699	P597478
P585701	P619035
P585702	P619037
P585716	P619038
P585717	P619039
P586079	P619040
P586080	P619041
P586081	P619042
P586082	P619043
P586083	P619044
P586085	P619045
P586086	

Total: 41 claims

#### STEEP GROUP

#### Godfrey Township

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#### Claims covered by magnetometer survey

P585000

P585001

P585002

P585696

P585697

P585698

P585714

P585715

P585718

P586078

Total: 10 claims

#### LONG GROUP

## Godfrey Township Claims covered by magnetometer survey

P529926	P584688
P529927	P584689
P529928	P584690
P585929	P584691
P529930	P584692
P583804	P585003
P583875	P585004
P583994	P585005
P583995	P585006
P583996	P585007
P583997	P585008
P583998	P585009
P584681	P585010
P584682	P585011
P584683	P585399
P584684	P585400
P584685	P585401
P584686	P585706
P584687	P617679

Total: 38 claims

#### FORBES GROUP

## Godfrey Township Claims covered by magnetometer survey

P583991

P583992

P583993

P585389

P585390

P585391

P585392

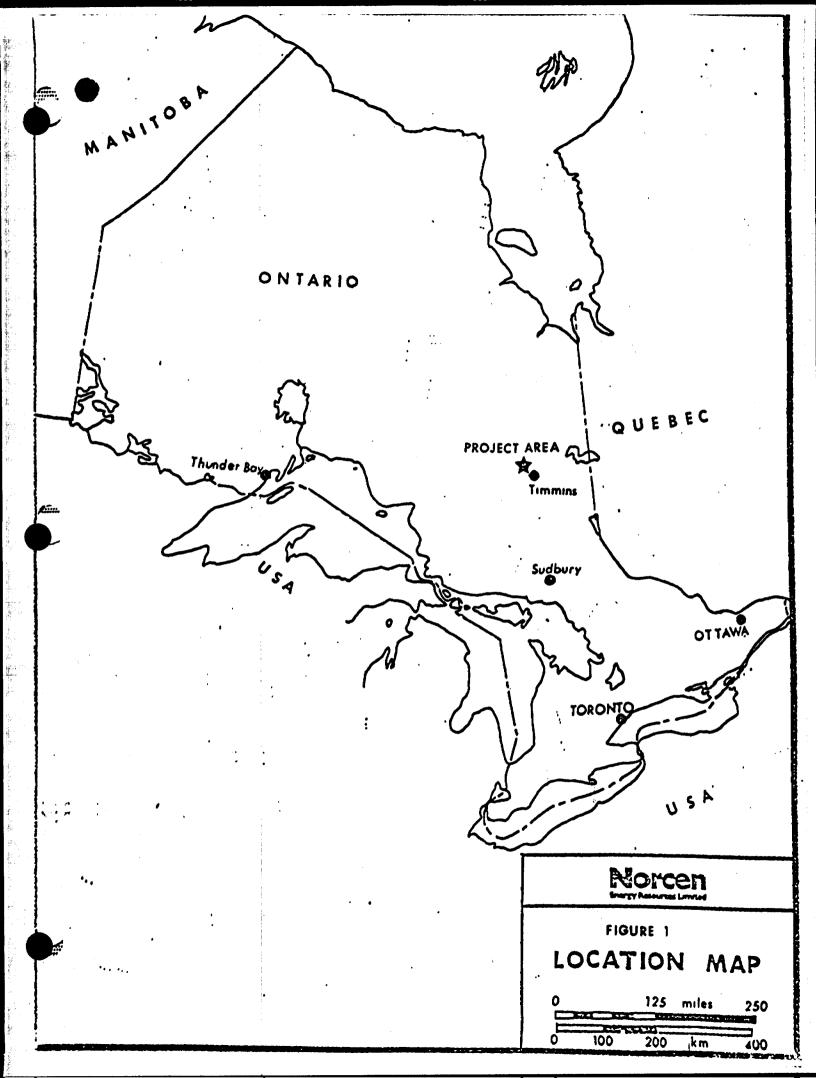
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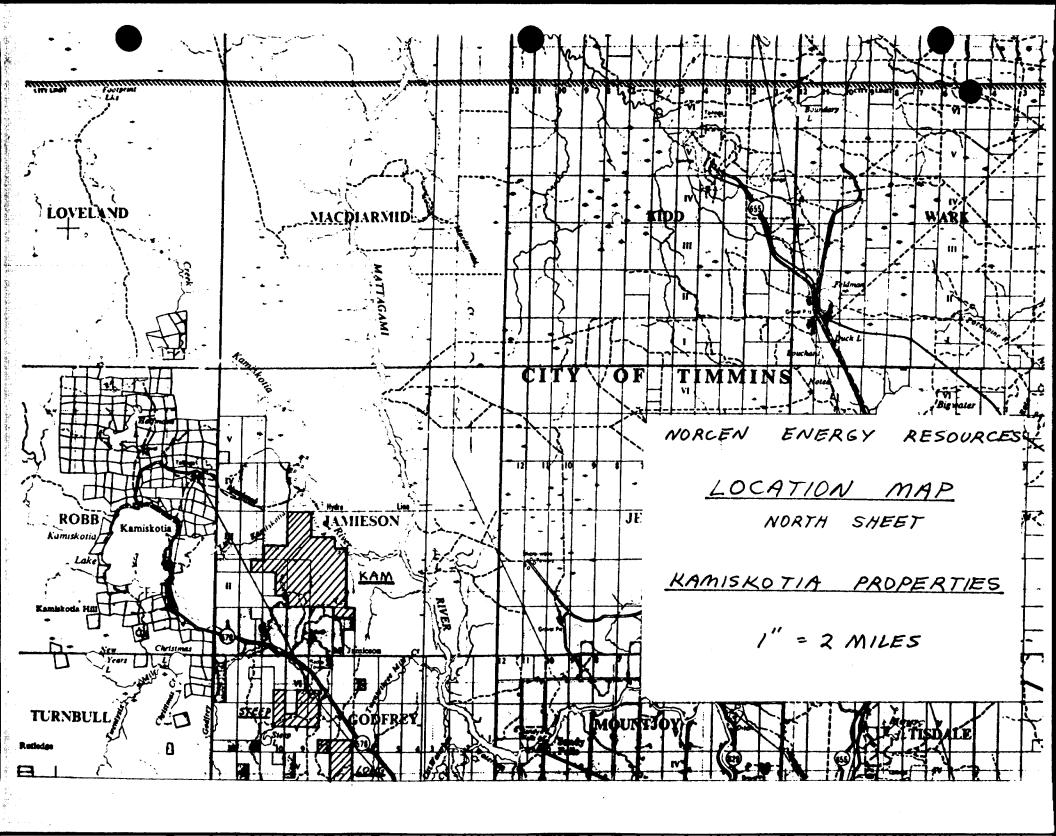
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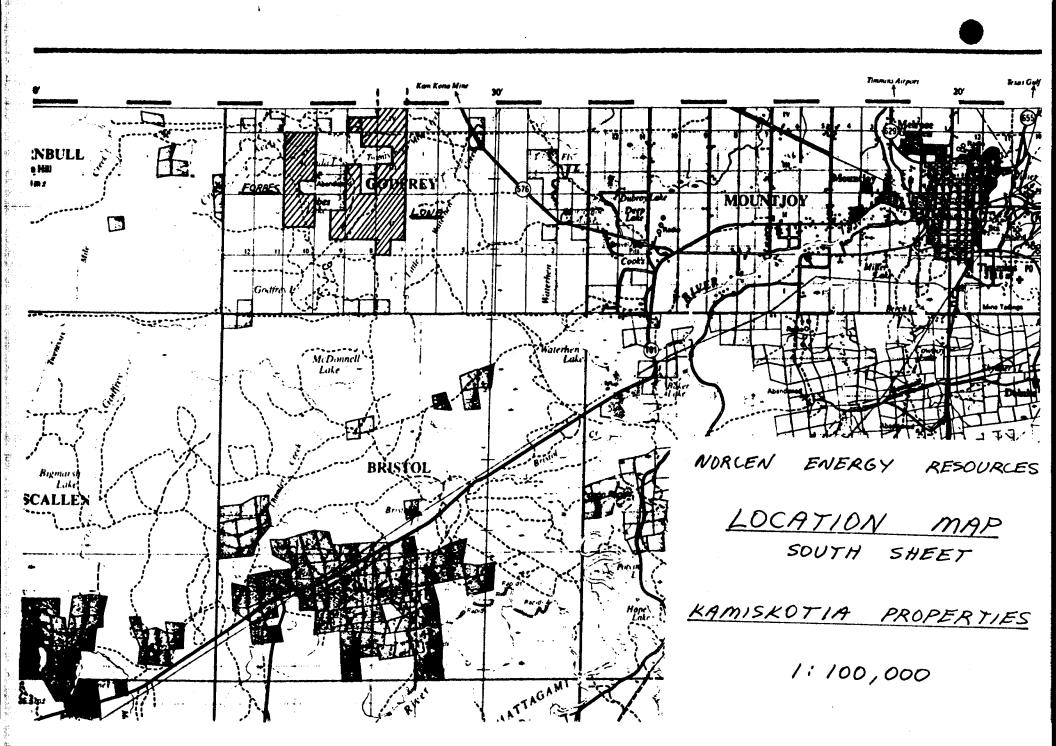
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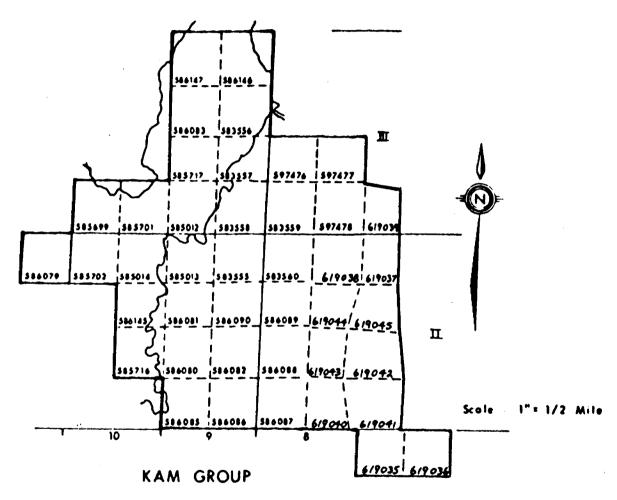
P585396

Total: 11 claims



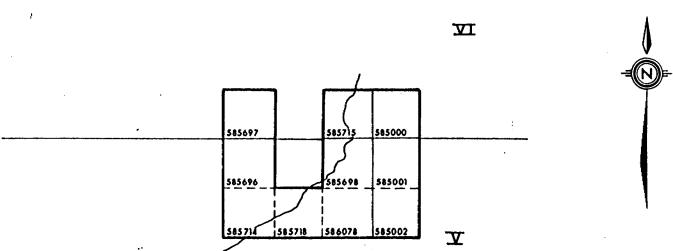






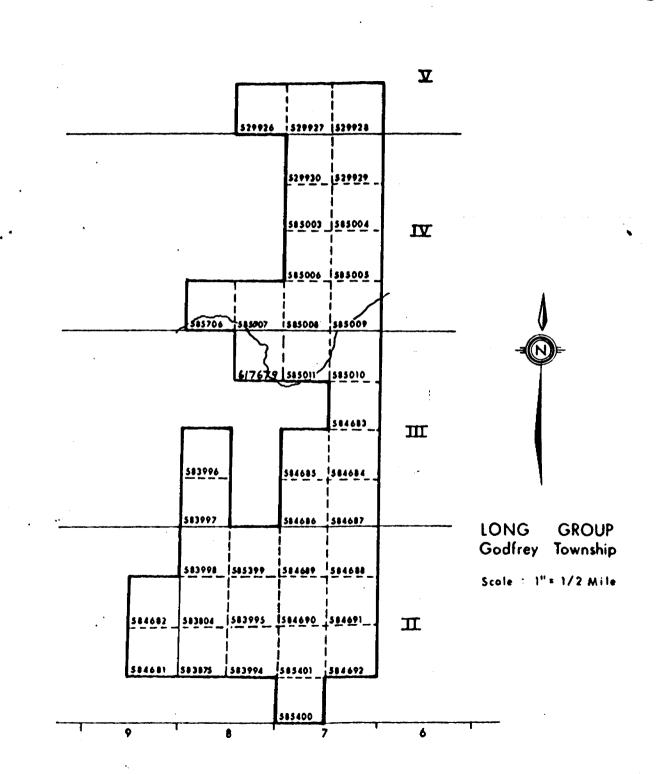
Jamieson Township

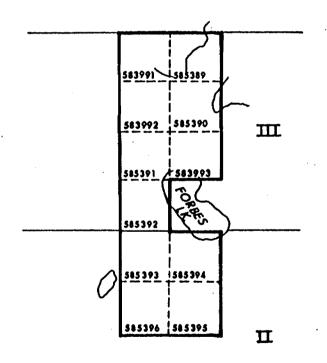




STEEP GROUP Godfrey Township

Scale:  $1^n = 1/2$  Mile







FORBES GROUP Godfrey Township

Scole: 1"= 1/2 Mile

#### LOCATION AND ACCESS

The properties are distributed to the north and south of Mount Jamieson which straddles the Godfrey-Jamieson Township line just north of Highway 576 approximately 16 kilometres WNW of Timmins.

Entry into the Kam grid is possible via a network of gravel roads that commences on Highway 576 about three kilometres west of the turnoff to the Kamiskotia ski hill. These roads lead to a gravel pit at the southeast end of the grid and traverse the central part of the claims to near the mouth of Godfrey Creek.

All Godfrey Township grids are accessible by the gravel road that leads to the former Genex Mine in Lot 9, Concession 3. This road starts opposite the ski hill turnoff and heads south for about five kilometers roughly following the line between Lots 8 and 9. Several trails and old roads branch off the Genex road on to the Forbes and Long properties.

#### TOPOGRAPHY

All properties exhibit local to large elongate ridges of outcrop separated by areas covered with variably swampy lacustrine clay deposits or drier sand and gravel esker and outwash deposits.

On the Kam grid, outcrops and cover of sand and gravel predominate in the central and eastern portions of the claims. Generally swampier terrain with fewer outcrops occurs in the western part of the property along Godfrey Creek and the Little Kamiskotia River. Several large cliffs occur along the northeast side of the long outcrop ridge that traverses the northeast part of the claims.

Outcrop areas with sandy outwash and local swamp cover most of the Steep Grid. Swampy terrain occurs near Godfrey Creek in the central part of the claims.

Similar rocky terrain occurs close to Steep in the extreme northwest and in local areas in the central portions of the Long grid. Most of the remainder is swamp with little outcrop, especially to the south and east and along Twenty-three Mile Creek.

The Forbes Group is dominated by outcrop ridges to the north, east and southeast. Swamp occurs to the southwest and west of Forbes Lake.

#### PREVIOUS WORK

Most earlier work has concentrated on development on and exploration near the former Canadian Jamieson Mine north of the Steep claims and the former Genex Mine between the Forbes and southern Long Groups.

Relatively little diamond drilling has been undertaken on the Norcen claims themselves. However, numerous old trenches occur in outcrop areas, especially in the central part of the Kam property and on most outcrop areas of the Steep and Long claims. Little work is reported on Forbes. The Steep claims and several of the Kam claims had been patents that were staked by Norcen upon their cancellation in 1980.

The formerly producing Jameland and Kam Kotia Mines occur to the northwest of the Kam Group in rocks that are probably in part stratigraphic equivalents to those underlying the Kam property.

#### GENERAL GEOLOGY

All properties are underlain predominantly by meta-volcanic rocks that wrap around the large Kamiskotia Intrusive Complex that is centred in Robb Township to the west. Geological strikes generally maintain this arcuate distribution from northwesterly in Jamieson to northerly in Godfrey. Dips are mostly steep though moderate dips have been inferred by some workers in the vicinity of the Steep Group and the northern part of the Long Group. Stratigraphic tops are variable in Jamieson Township indicating fairly complex isoclinal folding; tops on Godfrey propoerties appear to be easterly.

The metavolcanics comprise both mafic and felsic rocks. The mafics are mostly pillowed to massive basalts that are locally exposed on all grids. They occur as relatively narrow units intercalated with the rhyolites that form most of the outcrop ridges on the claims. These comprise predominantly massive to locally fragmental and variably quartz and feldspar porphyrytic flows. The general homogeneity of the felsic rocks often precludes the breakout of stratigraphic units.

Apophyses of the Kamiskotia Intrusive occur on the Forbes claims and in the western part of the Steep property. These comprise mostly massive intermediate rocks that approximate diorite in composition. Diabase dykes cut all rocks and form a swarm trending north-northwesterly.

All rocks except the diabases are characterized by pervasive carbonate alteration which often obscures volcanic textures. As well, strong silicification, sercitization, and chloritization are locally abundant. Some may be related to base and precious mineralization as has been developed at the Canadian Jamieson and Genex mines.

#### SURVEY METHOD

Topographic control for the surveys was provided by grids which were cut over all claims and tied into the surveys of the townships (ie., lot and concession lines). For the Godfrey grids all picket lines were cut east-west and tied into baselines and tielines that followed the north-south lot lines. Nominal line spacing was 125 metres with stations at thirty metre intervals. The Kam picket lines were turned off a baseline that runs at an azimuth of 3200 from the number 2 post (at the southeast corner) of claim P586087. Line spacing was 125 metres with stations at 25 and 30 metre intervals (this grid was rechained at the shorter interval about halfway through the survey).

Readings of the magnetic field in gammas were taken at and in between pickets on all lines except for small portions on lakes and near some creeks where the winter cut grids were lost due to breakup and flooding. An Exploranium Geometrics G-816 proton precession magnetometer was used throughout the surveys. Corrections for diurnal variations in the magnetic field were made by reference to a base station using a Geometrics G-826A recording base station that operated during the periods of field surveying. The base station was located in Lot 11, Concession 2 in Mountjoy Township, a site en route between Timmins and the field area.

The survey was carried out by Exsics Exploration Limited under the supervision of the author, project geologist with Norcen Energy Resources.

#### RESULTS AND DISCUSSION

Contoured results of the surveys are presented on six maps which are appended in map pockets at the end of this report. The Kam and Long surveys are presented on two maps each. Contour intervals used vary with the gradient of the magnetic field from 100 to 500 gammas.

The results of each grid are discussed below: Kam Grid

This survey primarily outlines several elongate to discontinuous linear anomalies that trend north-northwest. Several of these have been correlated to variably magnetic diabase dykes mapped in the field and it is reasonable to infer others under overburden cover. These dykes occur singly or in anastomising groups. Some have abrupt terminations or minor offsets that suggest east-northeast trending faults.

The metavolcanics are characterized by a swirly background magnetic response of mostly between 59400 and 59600 gammas with little varition in susceptibility between geological units as mapped in the field. Steep Grid

The results from this grid were contoured on a fairly fine scale, mostly at 100 gamma intervals. Once again, the elongate northerly trending anomalies are correlatable to exposed and inferred diabase dykes.

Areas underlain by felsic metavolcanics are characterized by a generally moderate field of between mostly 59400 and 59600 gammas. These felsics are observed and inferred to underlie the easternmost tier of claims (Lot 8) and a band trending NNW across the western half of Lot 9 and into adjacent Lot 10.

The two relatively noisily anomalous zones occurring in the eastern half of Lot 9 and most of Lot 10 are correlatable to massive and pillowed mafic metavolcanics.

These rocks sometimes are observed to carry a few percent of magnetite. Several of the individual anomalies within these zones in fact correlate with outcrops; others removed from obvious outcrop may indicate relatively thin overburden cover. There is no apparent relation to the apophyses of the Kamiskotia intrusive in Lot 10. Long Grid

The majority of this grid is characterized by a low amplitude background magnetic field indicative of felsic metavolcanics (possibly including non-magnetic mafic metavolcanics as observed on the Kam grid). Mafic metavolcanics mapped near the Genex property adjacent on the west to the south part of this grid are not particularly discernible by their magnetic response.

The numerous linear magnetic trends are again correlative to a diabase dyke swarm.

#### Forbes Grid

Portions of this grid that are underlain mostly by phases of the Kamiskotia Intrusive are characterized by clusters of noisy, short, single station anomalies. These suggest an erratic distribution of magnetic minerals (magnetite?) in these rocks or, more likely, variations in data quality. This is especially evident on lines 1080 N and 2640 N. Otherwise, most of the grid exhibits low magnetic relief over all rocks including metavolcanics. Exceptions are a broad anomaly to about 700 gammas above background southwest of Forbes Lake that is partly underlain by Kamiskotia intrusive and a roughly linear trend of highs near the eastern baseline that likely correlates with a biabase dyke (as yet unobserved in outcrop).

#### CONCLUSIONS AND RECOMMENDATIONS

The magnetic surveys of Norcen properties in the Kamiskotia area have served mostly to delineate magnetite bearing diabase dykes that swarm through all rocks in a northerly direction. At the present level of data handling, most of the surveys have not been able to differentiate and map out extensive units in the metavolcanic rocks. In the Steep Group only, the mafic metavolcanics appear to have a higher susceptibility than the felsics.

The paucity of magnetite and sulphides observed in most outcrops on these claims suggests that geophysical surveys may not provide the tool for detailed mapping of these rocks away from outcrops. Inference of units will likely depend on detailed field mapping and lithogeochemistry and extrapolation thereof on other samples obtained from diamond or overburden drilling.

Lawrence A. Baldwin

Senior Project Geologist

Norcen Energy Resources Ltd.

November 26, 1981.

#### CERTIFICATE

- I, <u>Lawrence A. Baldwin</u>, of Timmins, Ontario hereby certify that:
- a) I hold a BASc degree in Geological Engineering obtained at the University of Toronto in 1970,
- b) I have worked in mining exploration continuously since graduation,
- c) I supervised the work described in the report herewith.

Lawrence A. Baldwin

November 26, 1981





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P	529927	20	P 585004	20
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P	583875	20	P 585009	20
P	583994	20	P 585010	20
P	583995	20	P 585011	20
P	583996	20	P 585399	20
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#### THE MINING ACT REPORT OF WORK

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A separate form is required for each type of work to be recorded.

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THE MINING ACT REPORT OF WORK

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For Diomond an owner or operat For Compressed Type of drill or their employment For Power Strip work was done. With each of the the nearest of Geophysica dates of surveymaps, expenditu	or of drill. Dated Air or Other Ind.  equipment. Note of Air or Other Ind.  equipment. Note of Air or Other Ind.  Proof of actual above types of Ind. Geological, or (linecutting for breakdown,	Power Driven or Mechanianes and addresses of mequipment. Name and addresses of mequipment is to submittee of work sketches are retained to the case of diamond or a Geochemical Surveys and office). Type of instr	and angle of home. Signed conical Equipmenter en engaged in direct of which within 30 dequired to shoother core drived Expenditure unent used.	noles and diameter of correlog and sketch in duplint n operating equipment and er or operator. Amount ex	tate.  I the dates and hours pended. Dates on which of the work in relation submitted in duplica other of report. Cover	of ch on te.
to the first the latter and the second secon		os Follows: (Attoc		•		
SEOPHYS	ICAL S	-URVEY: EX	(SICS I	Explopertion  o, APRIL - J	LIMITED	•
16.3	KILOM	ETRES FOR	1/2	BO, APRIL -J	UNE AND	٠.
SEPT	EMBER	, 1981.	0,000	TON LIMITED	025	
1, 1, -		= 120 ME	TRE L	INFC: 30 mg	STATI	01/5
FOR	\$4162.	50 , MARCH	- APR	14, 1981		
NSTRUM	ENTS: 6	EOMETRICS	6-816	PROTON PRO	ECE SSION RECORDING	BA
REPORT	1. 40 W	N GRANT, I	EXSICS	EXPLORATI	ov.	,
Date	SEPT !	28,1981	*******	PROTON PRO S G-826 A EXPLORATION	Maldon	
		,		Signature of Recorded h	lolder or Agent	
		The	Mining Act			
		Certificate Ver	rifying Report	of Work		
,		VCE A.				•••
,		1940 /TI		US JONTO	PANTX	1.
hereby certify:		•		-		
1. Thato, having perf	it I have a pers ormed the work	sonal and intimate knowl c or witnessed same duri	edge of the fo ng and/or aft	octs set forth in the repor er its completion.	t of work annexed her	r <del>o</del> -
2. The	t the annexed	report is true.	)			

Doted SEPT, 28 19 8/



rearded

#### THE MINING ACT REPORT OF WORK

Asseptrate form is required for each type of work-to be recorded.

To the Recorder	of	PORCUPINE			Mining Di	vi Sien
, NORCEN		•••••••	D	· • • • • • • • • • • • • • • • • • • •	<b>'-78</b> 9	
715-5tl	name of Kecord h. Ave. S.W	Sed Holder J., Calgary, A	lberta.	Prospect	or's Licence	
•						
	with the second	of	(	doys of . <i>GINECUTTIN</i> .	G AND M	AGNETO.
not before repor	ted to be applied	on the following cent	iguous claims		nikayaj najer sep	
Claim No.	Doys	Claim No.	Days	Claim No.	Doys	_
P583991		1585392	40	***************************************		## ## ## ## ## ## ## ## ## ## ## ## ##
P583992	40	P585393	40			
1587993	10	P585399	40			
P585389	40	P585395	40	1	******	E E
P585390	40	1585396		***************************************	******	Ş
P585391	40		•••••	**********	******	2
All the work wa		ining Claim (a)		MS //	 C 7 E A	<u> </u>
(In the case of	geological and/or	Seobhasical saisea (	s) where more	than 18 claims are invol	ved attach a sc	hedule) Z
						<u> </u>
				•		Ş
OCCUPANTS OF THE	was a men was periori	med the work and the	notes and has	re of their amala		–
LOLDIDWOUG OU	a other Core Dril	ling - Footoge, No. c	and onale of h	oles and diameter of core	. Name and add	kess of S
I O Compressed	A CIT OF UTNET PO	wer Uriven or Mechani	cal Caulomen	<b>.</b> †		Ž
	71.					
work was done.	<u>ping</u> - Type of eq Proof of actual c	vipment. Name and ad	dress of own	er or operator. Ámount exp	ended. Dates or	n which
with each of the	Dove types of	work sketches ore re-	quired to show	w the location and amous	of the work in	relation a
mops, expenditu	re breakdown, rec	eipts must be filed in	ument used. Lduplicate wi			
For Land Surve	y - the name and	address of Ontario La	and surveyor.			ng. 2
LINECUTT				•		-
		, ,	neire	LINES, JOMA	11-C 711)	יי רביייטייי צי
SURVEY :	EXSICS	EXPLORATIO	V LIM	1760 15.8 KI	LOMETRE	73
	FOR 994	8. , APRIL -J	TUNE, 19	81 AND SEPTER	nBER, 19.	81
INSTRUM	TENTS: GE	EOMETRICS	6-816	PROTON PRE	CESSION	· .
	TOMETER	- AND 6-	-826A	RECORDING B	ASE ST	OTION
MEPORT		,				
Dote SE	PTEMBER	28/81				-
				Signature of Recorded H	older or Agent	
	NENERGY RESOURCES LIMITED  T-789  name of Recorded Molder th. AVE. S.W., Calgary, Alberta, TZP 2X7 and P.O. Box 1940, but the performance of  440  Post Office Address Timmins, Oncarto, PAN 7X1  ort the performance of  440  Post Office Address Timmins, Oncarto, PAN 7X1  Ort the performance of  440  Post Office Address Timmins, Oncarto, PAN 7X1  Ort the performance of  440  Post Office Address Timmins, Oncarto, PAN 7X1  Ort the performance of  440  POST 372  POST 440  POST 373  POST 440  POST 440  POST 373  POST 440  POST					
-		Certificate Ver	ifying Report	Prospector's Licence  a. T2P 2X7 and P.O. BOX 1940,  the Address Timmins, Ontario, PAN 7X1  a. Address Timmins, Ontario, PAN 7X1  type of work SULVEY  clims  Claim No. Days  Claim No. Days		
l,	ORCEN ENERGY RESOURCES LIMITED  T-789  nome of Recorded Holder  115-5th. Ave. S. W., Calgary, Alberta, TZP 2X7 and P.O.Box 1940, Pest Office Address Timmins, Ontario, PAN TXI  Pest Office Address Timmins, Ontario, PAN TXI  Appearance of Accorded Holder  120, Alberta, TZP 2X7 and P.O.Box 1940, Appearance of Accorded Holder  120, Alberta, TZP 2X7 and P.O.Box 1940, Appearance of Accorded Holder  120, Appearance of Accorded Ho					
**************	P.O.Box 1		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
hereby certify:	•	(Pest Of	Hice Address			
1. Tha	t I have a persona	ol and intimate knowle	odge of the fo	cts set forth in the monet	of work annum	ul have
io, noving perio	numen the Mock of	Withessed some duri	ng and/or ofte	r its completion.	ত। লগের <b>জরাভাটে</b> -	is india.
2. Tha	t the annexed rep	ort is true.	/	/	1221	
Dated	SEPT. 28	19 8/	1/0	myrally	MAMA	· '
		· · · · · · · · · · · · · · · · · · ·	••••••	Signature	*****************	********

#### **Ministry of Natural Resources**



OFFICE USE ONLY

### 

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s)Magneto	ometer	
Township or AreaGodfre	y and Jamieson Townships	MINING CLAIMS TRAVERSED
Claim Holder(s) Norcen Ene		List numerically
715-5th Ave	. SW, Calgary, Alta T2P2X7	
Survey Company Exsics Ex	xploration Limited	see attached lists for
Author of Report Lawrence	A. Baldwin, Norcen	(prefix) (number)
	1940, Timmins,Ont. P4N7X1	100 claims
Covering Dates of Survey May	to October, 1981 (linecutting to office)	
Total Miles of Line Cut 198		
SPECIAL PROVISIONS	DAYS	
CREDITS REQUESTED	Geophysical per claim	
PATER 40 J (' 1 J	Electromagnetic	
ENTER 40 days (includes line cutting) for first	Magnetometer40	
survey.	-Radiometric	
ENTER 20 days for each	Other	
additional survey using	Geological	
same grid.	Geochemical	
AIRBORNE CREDITS (Special pro-	vision credits do not apply to airborne surveys)	
MagnetometerElectromag	gnetic Radiometric	
(enter	days per claim)	
DATE: Nov. 26,1981 SIGN	ATURE: MILANIA	
	Author of Report or Agent	
,		
Res. GeolQual	ifications 9.383	
Previous Surveys	incations	
File No. Type Date	Claim Holder	
	, ()	
		TOTAL CLAIMS

#### GEOPHYSICAL TECHNICAL DATA

GROUND SURVEYS - If more than one survey, specify data for each type of survey

	,, 1	, ,,	•	
Number of Stations	5578	Number of I	Readings8	042
Station interval 25 and		Line spacing	125 me	tres
Profile scaleNA				
Contour interval 100,20	00, and 500 gam	mas depending on	gradient	
Accuracy — Scale constant _ Diurnal correction method _ Base Station check-in interva Base Station location and val	Recording base stations  Recording bases   Continu	n ± 1 gamma se station uous monitor dur	ing survey	
Instrument			<del>,,</del>	
Instrument Coil configuration Coil separation Accuracy Method:  Frequency				
Coil separation				
Accuracy				
Method:	Fixed transmitter	☐ Shoot back	☐ In line	☐ Parallel line
Frequency		(		
집 Parameters measured				
anninotoro mousurou			and the second s	
Instrument				
Scale constant				
Corrections made			······································	· · · · · · · · · · · · · · · · · · ·
>				
Base station value and location	on			
Elevation accuracy				
Instrument				
Method		☐ Freq	uency Domain	
Parameters - On time	·	Freq	uency	
— Off time		Rang	e	· · · · · · · · · · · · · · · · · · ·
— Delay time				
- Off time  - Delay time  - Integration tim  Power	e			
Power				
Electrode array				
Electrode spacing				
Tuna of alastrada				

INDUCED POLARIZATION

#### KAM GROUP

## Jamieson Township Claims covered by magnetometer survey

P583555	P586087
P583556	P586088
P583557	P586089
P583558	P586090
P583559	P586145
P583560	P586146
P585012	P586147
P585013	P597476
P585014	P597477
P585699	P597478
P585701	P619035
P585702	P619037
P585716	P619038
P585717	P619039
P586079	P619040
P586080	P619041
P586081	P619042
P586082	P619043
P586083	P619044
P586085	P619045
P586086	

Total: 41 claims

#### STEEP GROUP

THE PARTY NAMED IN

## Godfrey Township Claims covered by magnetometer survey

P585000

P585001

, P585002

P585696

P585697

P585698

P585714

P585715

P585718

P586078

Total: 10 claims

### LONG GROUP

# Godfrey Township Claims covered by magnetometer survey

P529926	P584688
P529927	P584689
P529928	P584690
P585929	P584691
P529930	P584692
P583804	P585003
P583875	P585004
P583994	P585005
P583995	P585006
P583996	P585007
P583997	P585008
P583998	P585009
P584681	P585010
P584682	P585011
P584683	P585399
P584684	P585400
P584685	P585401
P584686	P585706
P584687	P617679

Total: 38 claims

### FORBES GROUP

### Godfrey Township

### Claims covered by magnetometer survey

P583991

P583992

P583993

P585389

P585390

P585391

P585392

P585393

P585394

P585395

P585396

Total: 11 claims



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## **Technical Assessment Work Credits**

File					
2	4	3	8	3	

Recorded Holder		
	Norcen Energy Resources Limited	
Township or Area	Godfrey and Jamieson Townships	

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	P 529926 to 30, inclusive
Electromagneticdays	P 583555 to 60, inclusive
Magnetometer 4 0 days	P 583804 P 583875 P 583992
Radiometric days	P 583994 to 98, inclusive P 584681 to 92, inclusive
Induced polarization days	P 585000 to 14, inclusive P 585390 to 96, inclusive
Section 86 (18) days	P 585399 to 401, inclusive P 585696 to 99, inclusive P 585701 - 02
Geologicaldays	P 585706
Geochemicaldays	P 585714 to 18, inclusive P 586078 to 83, inclusive P 586085 to 90, inclusive
Man days ☐ Airborne ☐	P 586085 to 90, inclusive P 586145 to 47, inclusive P 597476
Special provision 🛛 Ground 🖾	P 597478 P 617679
Credits have been reduced because of partial coverage of claims.	P 619035 P 619037 - 38
Credits have been reduced because of corrections to work dates and figures of applicant.	P 619040 to 45, inclusive
Special credits under section 86 (15a) for the following i	mining claims
10 days	30 days
P 583991 P 585389 P 597477	P 583993 P 619039
	·
No credits have been allowed for the following mining cl	
not sufficiently covered by the survey	Insufficient technical data filed
P 585929	·

1982 11 15

2.4383

Mining Recorder
Ministry of Natural Resources
60 Wilson Avenue
Timmins, Ontario
P4N 287

Dear Sir:

RE:

Geophysical (Electromagnetic and Magnetometer) Survey on Mining Claims P 529926 et al in the Townships of Godfrey and Jamieson

The Geophysical (Electromagnetic and Magnetometer) Survey assessment work credits as listed with my Notice of Intent dated September 13, 1982 hampbeen approved as of the above date.

Please inform th recorded holder of these mining claims and so indicate on your records.

Yours very truly,

E.F. Anderson Director Land Management Branch

Whitney Block, Room 6450 Queen's Park Toronto, Ontario M7A 1W3 Phone: 416/965-1380

A. Barrisc

cc: Samim Canada Limited Toronto, Ontario

cc: Resident Geologist Timmins, Ontario



Oct 4, 1982

Your file:

September 13, 1982

Our file: 2.4383

Mr. William L. Good Mining Recorder Ministry of Natural Resources 60 Wilson Avenue Timmins, Ontario P4N 287

Dear Mr. Good

Enclosed are two copies of a Notice of Intent with statements listing a reduced rate of assessment work credits to be allowed for a technical survey. Please forward one copy to the recorded holder of the claims and retain the other. In approximately fifteen days from the above date, a final letter of approval of these credits will be sent to you. On receipt of the approval letter, you may then change the work entries on the claim record sheets.

Yours very truly,

For further information, if required, please contact Mr. F.W. Matthews at 416/965-6918

E.F. Anderson
Director
Lands Administration Branch
Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-1316

: 8 C

cc: Samim Canada Limited Toronto, Ontario

cc: Mr. G.H. Ferguson, Q.C. Mining & Lands Commissioner Toronto, Ontario



# Notice of Intent for Technical Reports

File 2.4383

September 13, 1982

An examination of your survey report indicates that the requirements of The Ontario Mining Act have not been fully met to warrant maximum assessment work credits. This notice is merely a warning that you will not be allowed the number of assessment work days credits that you expected and also that in approximately 15 days from the above date, the mining recorder will be authorized to change the entries on his record sheets to agree with the enclosed statement. Please note that until such time as the recorder actually changes the entry on the record sheet, the status of the claim remains unchanged.

If you are of the opinion that these changes by the mining recorder will jeopardize your claims, you may during the next fifteen days apply to the Mining and Lands Commissioner for an extension of time. Abstracts should be sent with your application.

If the reduced rate of credits does not jeopardize the status of the claims then you need not seek relief from the Mining and Lands Commissioner and this Notice of Intent may be disregarded.

If your survey was submitted and assessed under the "Special Provision-Performance and Coverage" method and you are of the opinion that a re-appraisal under the "Man-days" method would result in the approval of a greater number of days credit per claim, you may, within the said fifteen day period, submit assessment work breakdowns listing the employees names, addresses and the dates and hours they worked. The new work breakdowns should be submitted direct to the Lands Management Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued.



P- 585000

Ministry of Natural Resources

Notification of recording

of assessment work credits

### RECEIVED

OCT 1 3 1981

MINING LANDS SECTION

Lands Administration Branch Mining Lands Section Ministry of Natural Resources Room 1617, Whitney Block Queen's Park, Toronto M7A 1W3

Date of recording of work: September 30, 1981

Survey reports and maps in duplicate be submitted to the Lands Administration Branch, Toronto with-

Reports and maps are being forwarded to the Lands Administration Branch with this letter.

in 60 days from the date of recording of this work.

Recorded holder:	Norcen Energy	Resources Limited
	715 -5th Avenu	
Address:	Calgary, Alber	ta T2P 2X7
Township or Area:	Godfrey townsh	ip
	and number of s credit per claim	Mining claims
Geophysical	canel	P-585000-001-002 incl.
Electromagnetic	20days	P-585696-697-698 incl. P-585714-715;P585718;P-586078.
Magnetometer	40days	
Radiometric	days	
Induced polarization	days	
Section (19)	days	
Geological	days	
Geochemical	days	N. N. W.
Man days 🐔	Airborne 🗌	6.
Special provision	Ground 🔀	
Notice to recorded hole	der:	

c.c. Norcen Energy Resources Ltd.



P-529926

Ministry of Natural Resources

Notification of recording

of assessment work credits

### RECEIVED

Lands Administration Branch OCT 1 4 1981 Mining Lands Section Ministry of Natural Resources MINING LANDS SECTION

Room 1617, Whitney Block Queen's Park, Toronto

M7A 1W3

Date of recording of work:	October 1/81	
Recorded holder:		
Address:	715 -5th Avenue S. W. Calgary, Alberta T2P 2X7	
Township or Area:	Godfrey	

Type of survey an Assessment days c					Mining clair	ms
Geophysical	Carcel					
Electromagnetic	20	days	See	attache	d list	
Magnetometer	40	_days	"	u	II	
Radiometric		days				
Induced polarization		days				
77 /9 Section <b>5</b> ( <b>15</b> )	, a.v. , , , , , , , , , , , , , , , , , ,	days			\.	
Geological		days			0,000	
Geochemical		days				
Man days ☒	Airborn	ə 🗆				
Special provision	Ground	d 🙀				

#### Notice to recorded holder:

- Survey reports and maps in duplicate be submitted to the Lands Administration Branch, Toronto within 60 days from the date of recording of this work.
- Reports and maps are being forwarded to the Lands Administration Branch with this letter.

Norcen Energy Resources Limited

# NORCEN ENERGY RESOURCES LIMITED DISTRIBUTION OF ASSESSMENT CREDITS LONG GRID, GODFREY TOWNSHIP MAGNETOMETER SURVEY

	CLAIM	DAYS	CLAIM	DAYS
P	529926	40	P 585003	40
P	529927	40	P 585004	40
P	529928	40	P 585005	40
P	529929	40	P 585006	40
P	529930	40	P 585007	40
Р	583804	40	P 585008	40
P	583875	άΟ	P 585009	40
Р	583994	40	P 585010	40
P	583995	40	P 585011	40
P	583996	40	P 585399	40
P	583997	40	P 585400	40
P	583998	40	P 585401	40
P	584681	40	P 585706	40
P	584682	40	P 617679	40
P	584683	40		
P	584684	40		
P	584685	40	Total: 38 cla	aims
P	584686	40	1520 day	's
P	584687	40		
P	584688	40		
P	584689	40		
P	584690	40		
P	584691	40		
P	584692	40		



Ministry of Natural Resources

Notification of recording

RECEIVED

of assessment work credits

OCT 1 3 1981

MINING LANDS SECTION

Lands Administration Branch Mining Lands Section Ministry of Natural Resources Room 1617, Whitney Block Queen's Park, Toronto M7A 1W3

Date of recording of work:	September 29, 1	981		
	715 -5th Avenue	S.V	arces Limited V. T2P 2X7	
Township or Area:	Jamieson Townsh	nip		
	and number of s credit per claim		Mining claims	
Geophysical				
Electromagnetic	days			
Magnetometer	d0days	See	attached list	
Radiometric	days			
·	days			
Section (19)	days			
Geological	days			
Geochemical	days		14	
Man days [☒	Airborne 🗌		O,	
Special provision	Ground 🔀			
Notice to recorded hole	der:			

Survey reports and maps in duplicate be submitted

Reports and maps are being forwarded to the Lands Administration Branch with this letter.

to the Lands Administration Branch, Toronto within 60 days from the date of recording of this work.

Mining recorder c.c. Norcen Energy Resources Ltd.

# NURCEN ENERGY RESCURCES LIMITED DISTRIBUTION OF ASSESSMENT CREDITS

# KAM GRID , JAMIESON TOWNSMIP

		MAGNE	TOMETER	SURVEY	
CLAIM	DAYS		C	AIM	DAYS
P 583555	40		P 5-81	5145	40
P583556	40		P 58	6146	40
P583557	40		P58	6147	40
P583558	40	'	P59	7476	40
P583559	40		P59	7477	40
P583560	40		P59	7478	40
P585012	40		P6190	035	40
P585013	40		P619	037	40
P585014	40		P619	038	40
P585699	40		P61	9039	40
P585701	40	<u> </u>	P619	040	40
P585702	40		Pb/9	9041	40
P585716	40		P619	9042	40
P585717	40		P61	9043	40
P586079	40.	·	P619	1094	40
P586080	40			1045	40
P586081	40	:	, , ,	1	•
P586082	40	:			
P586083	40	:	TOTAL :	41	CLAIMS
P586 085	10	!	, 0,,,,,	. '	DAYS
P586086	40	:		1640	DAYS
P586087	40			•	
P586088	40	<b>i</b>			
P586089	40				
P586090	40				



P-583991

Ministry of Natural Resources

Notification of recording

of assessment work credits

### RECEIVED

OCT 1 3 1981

MINING LANDS SECTION

Lands Administration Branch Mining Lands Section Ministry of Natural Resources Room 1617, Whitney Block Queen's Park, Toronto M7A 1W3

Date of recording of work:	October 6, 198	31				
Address:	715- 5th Avenue					
Type of survey a Assessment days o		Mining claims				
Geophysical						
Electromagnetic	days	P-583991-992-993 incl;				
Magnetometer	40days					
Radiometric	days	•				
Induced polarization	days					
7) /9 Section <b>(3</b> )	days	\\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				
Geological	days					
Geochemical	days					
Man days 🔀	Airborne 🗌					
Special provision	Ground 🗵					
Notice to recorded holds		Thremtlay				

to the Lands Administration Branch, Toronto within 60 days from the date of recording of this work.

Reports and maps are being forwarded to the Lands Administration Branch with this letter.

Norcen Energy Resources Ltd.



### THE MINING ACT REPORT OF WORK

A separate form is required for each type of work to be recorded.

To the Recorde	r of PO	RCUPINE				The state of the s		
I, NORCEN	ENERGY RESOU	4-1-4	************	••••••••••	•••••••••••••	Mining T-789		
the state of the s	h. Ave. S.W.,	Calgary, Al	ost Uttice A	T2P 2	X7 and	pector's Licence P.O.Box 19 , Ontario,	40, "Đản" 'yy	
do hereby report	t the performance of	1520	)	days of 4	INECUTT	ING + MAC	NETOM	ETE
not before repor	ted to be applied on t	he following conti	guous claim			type of work	SURVE	<i>y</i>
Claim No.	Doys	Claim No.	Days		Claim No.	Doys		
SEE	ATTACHED	L15 T	•••••		•••••	•••••	V# :	<b>BOTH</b>
***********	******	**********	*******		******	******		OR B
**********	*****	*********	•••••	•	•••••	*****		¥
***********	******	*********	******		••••••	*******		MONTHS IMPRISONMENT
***********	••••••	***********	*****		***********	•••••		PRIS
**********	******	*********	******		***********	******		3
For Manual Worl	K, Stripping or Opening men who performed	g up of Mines, Sin	king Shofts	or Other	Actual Minin	Operations - N		OR SIX
Type of drill or their employment For Power Strip work was done. With each of the to the nearest of For Geophysico dates of survey maps, expenditure.	addresses of the men who performed the work and the dates and hours of their employment.  For Diamond and other Core Drilling - Footage, No. and angle of holes and diameter of core. Name and address of owner or operator of drill. Dates when drilling was done. Signed core log and sketch in duplicate.  For Compressed Air or Other Power Driven or Mechanical Equipment  Type of drill or equipment. Names and addresses of men engaged in operating equipment and the dates and hours of. their employment.  For Power Stripping - Type of equipment. Name and address of owner or operator. Amount expended. Dates on which work was done. Proof of actual cost must be submitted within 30 days of recording.  With each of the above types of work sketches are required to show the location and extent of the work in relation to the nearest claim post. In the case of diamond or other core drilling the sketch must be submitted in duplicate.  For Geophysical, Geological, Geochemical Surveys and Expenditure Credits - the name of author of report. Covering dates of survey (linecutting & office). Type of instrument used. Total amount of expenditure. Technical reports, maps, expenditure breakdown, receipts must be filed in duplicate with the Minister within 60 days of recording.  For Land Survey - the name and address of Ontario Land surveyor.							
The Required	Information is as Foll	ows: (Attach	a list if thi	s spoce i	s insufficien	t)		DRT ,
	TING EXSI	CS EXPLO	9/RIL - 2ATION	JUNE J LI	, 1981 . MITED	AND SEPTE	MBER, M.	8/18
	12.9/3	MARCH - A	PRII	ME7 1981	RE ST	ations fo	P	<u> </u>
INSTRUM	ENTS. GEO	METRICS	6-8/1	PRO	TON D	RECECCI	•	KE
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	TEMBER ?			la	wilre	e Albal of Holder or Agen	Suin	FALSE S
		Certificate Verif	ining Act ying Report	of Work	:			KING A
1,	LAWRENCE A.	******************	••••••	*********	*******	••••••	••••••	X
••••••	P.O.Box 1940	~~~~~~~~~~~~	Ontario		Xl	•••••	••••••	FOR
hereby certify:	•	(r ost Un	ICT MODIESS	1				7
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Doted SE	PT. 28 19	81		lan	Wood,	Malfi	The state of the s	F
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# NORCEN ENERGY RESOURCES LIMITED DISTRIBUTION OF ASSESSMENT CREDITS LONG GRID, GODFREY TOWNSHIP MAGNETOMETER SURVEY

		entratification april a		
	CLAIM	DAYS	CLAIM	DAYS
P	52,9926	40	P 585003	40
P	529927	40	P 585004	40
P	529928	40	P 585005	40
P	529929	40	P 585006	40
P	529930	40	P 585007	40
P	583804	. 40	P 585008	40
P	583875	40	P 585009	40
P	583994	40	P 585010	40
P	583995	40	P 585011	40 .
P	583996	40	P 585399	40
P	583997	40	P 585400	40
P	583998	40	P 585401	40
P	584681	40	P 585706	40
P	584682	40	P 617679	. 40
P	584683	40		•
P	584684	40		•
P	584685	40	Total: 38	claims
P	584686	40	1520	days
P	584687	40		
P	584688	40		
P	584689	40		٠
P	584690	40		
P	584691	40		
P	584692	40		



LONG 18-529926

Norcen Energy Resources Limited

Ministry of Natural Resources

Notification of recording

of assessment work credits

Lands Administration Branch Mining Lands Section Ministry of Natural Resources Room 1617, Whitney Block Queen's Park, Toronto M7A 1W3

Date of recording of work: \_\_

Notice to recorded holder:

Survey reports and maps in duplicate be submitted to the Lands Administration Branch, Toronto within 60 days from the date of recording of this work.

Reports and maps are being forwarded to the Lands
Administration Branch with this letter.

Recorded holder:	MOT CELL THE				IIZ CCU	<del></del>
	715 -5th 1					
Address:	Calgary, 1	Alber	ta	T2P 2X	Z	
Township or Area:	Godfrey	·	<del></del>			BPdvldi — likulusu valan valan valan valan val
• • • • • • • • • • • • • • • • • • • •	y and number of us credit per claim			Mi	ining claims	
Geophysical					•	
Electromagnetic	20	days	See	attached	list	
Magnetometer	40	days	*	•	H	
Radiometric		days			•	•
Induced polarization		days				
>> /9 Section <b>(□)</b>	·	days				
Geological		days				
Geochemical		days				
Man days 🔀	Airbon	na 🔲				
Special provision	Grou	nd 🙀				**************************************

October 1/81



Ministry of Natural Resources

Notification of recording

of assessment work credits

## RECEIVED

OCT 1 3 1981

MINING LANDS SECTION

Lands Administration Branch Mining Lands Section Ministry of Natural Resources Room 1617, Whitney Block Queen's Park, Toronto M7A 1W3

Date of recording of work:	September 30,	1981
Recorded holder:	Norcen Energy 715- 5th Aver	Resources Limited
Address:		erta T2P 2X7
Township or Area:	Godfrey	,
Type of survey a Assessment days		Mining claims
Geophysical	carul	
Electromagnetic	20 days	P-583991-992-993 incl. P-585389-390-391-392-393-394-
Magnetometer	days	P-585395-396 incl.
Radiometric	days	
	days	
77 (9 Section (14)	days	
Geological	days	
Geochemical	days	
Man days 🍱	Airborne 🗌	
Special provision	Ground 🗵	
Notice to recorded hold		Diemllau
Survey reports and map	os in duplicate be submitter	d

to the Lands Administration Branch, Toronto with-

in 60 days from the date of recording of this work.

Reports and maps are being forwarded to the Lands Administration Branch with this letter.

c.c. Norcen Energy Resources Ltd.

P 584692

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# NORCEN ENERGY RESOURCES LIMITED DISTRIBUTION OF ASSESSMENT CREDITS LONG GRID, GODFREY TOWNSHIP ELECTROMAGNETIC SURVEY

	CLAIM	DAYS	CLAIM	DAYS
P	529926	20	P 585003	20
P	529927	20	P 585004	20
Þ	529928	20	P 585005	20
P	529929	20	P 585006	20
P	529930	20	P 585007	20
P	583804	20	P 585008	20
P	583875	20	P 585009	20
P	583994	20	P 585010	20
P	583995	20	P 585011	20
P	583996	20	P 585399	20
P	583997	20	P 585400	20
P	583998	20	P 585401	20
P	584681	20	P 585706	20
Þ	584682	20	P <b>61</b> 76 <b>79</b>	20
P	584683	20		
P	584684	20		
P	584685	20	Total: 38 cla	ims
P	584686	20	760 day	s
P	584687	20		
P	584688	20	TREG	ORDED
P	584689	02		CORDED 101 0 1981
P	584690	20	) Na sain	1 No
P	584691	20	Keceih	And the second s
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Geotechnical Report Approval

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Mining Lands Co	mments			!
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To: Geophysics	Mr Barlow.			•
Comments				
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Approved	Wish to see again with corrections	Date VVN & 1	21/82 Signistone	- Veh
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		Date VVN & 1	21/82 Signature	- Pela
To: Geology - Ex		Date VVN & 1	21/82 Signature	- Veh
To: Geology - Ex		Date VVN & 1	21/82 Signature	- Veh
To: Geology - Ex		Date VVV & 1	21/82 Signature	- Veh
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To: Geology - Ex		Date  VNE 1	Signature Signature	- Peh
To: Geology - Ex	penditures			- Deh
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To: Geology - Ex Comments  Approved  To: Geochemistry	penditures			- Dela
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To: Geology - Ex Comments  Approved To: Geochemistry	penditures			- Dela
To: Geology - Ex	penditures			- Dela
To: Geology - Ex Comments  Approved To: Geochemistry	penditures			- Dela
To: Geology - Ex Comments  Approved To: Geochemistry	penditures			- Da



see one if don't understand

36 Maple St. South P. O.Box 1940 Timmins, Ontario

November 27, 1981

Mr. F. W. Matthews, Lands Administration Branch, Mining Lands Section, Ministry of Natural Resources, Room 6450, Whitney Block, Queen's Park, Toronto, Ontario M7A 1W3.

Dear Mr. Mathews:

Herewith please find two copies of a report with maps covering magnetic surveys on 100 claims in Godfrey and Jamieson Townships.

Please note also that when I originally filed the reports of work for these claims, I had also reported 20 days of electromagnetic surveying per claim (as per the copies arrached); These surveys were subsequently recorded. However, it turns out that we would prefer not to file this work at this time. I would appreciate it if the recording of the EM credits be cancelled for now. This action will not affect the status of the claims this year.

Thank you for your attention.

Yours sincerely,

tureno, Lawrence A. Baldwin Senior Project Geologist

(705) 267-7545 or

(403) 231-0625

REC

MUV 27 1961

MINING LANDS SECTION



Steep

P. 585000

Ministry of Natural Resources

Notification of recording of assessment work credits

Lands Administration Branch Mining Lands Section Ministry of Natural Resources Room 1617, Whitney Block Queen's Park, Toronto M7A 1W3

Date of recording of work: September 30, 1981

Recorded holder:	Norcen Energy 715 -5th Avenu	Resources Limitede
Address:	Calgary, Alber	taT2P_2X7
Township or Area:	Godfrey townsh	ip
	ey and number of lys credit per claim	Mining claims
Geophysical	count	P-585000-001-002 incl.
Electromagnetic	days	P-585696-697-698 incl.
Magnetometer	40days	P-585714-715;P585718;P-586078
Radiometric	days	·
Induced polarization	days	
フラ 19 Section <b>器</b> ( <b>B</b> )	days	
Geological	days	
Geochemical	days	
Man days 🖺	Airborne 🗆	,
Special provision	Ground 🔀	

792 (6/77)

Notice to recorded holder:

Survey reports and maps in duplicate be submitted

Reports and maps are being forwarded to the Lands Administration Branch with this letter.

to the Lands Administration Branch, Toronto with-

in 60 days from the date of recording of this work.

LA. 065

Mining recorder

c.c. Norcen Energy Resources Ltd.



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Ministry of Natural Resources

Notification of recording

of assessment work credits

Lands Administration Branch Mining Lands Section Ministry of Natural Resources Room 1617, Whitney Block Queen's Park, Toronto M7A 1W3

Date of recording of work:	Occoper 1/81	
	And the state of the state of	Part 1
Recorded holder:	Norcen Energy	Resources Limited
	715 -5th Aven	
Address:	Calgary, Albe	rta T2P 2X7
Township or Area:	Godfrey	
	er year.	
Type of survey Assessment days		Mining claims
Geophysical	carrel	
Electromagnetic		See attached list
Magnetometer	40 days	5 11 11
Radiometric	days	•
	days	
77 /9 Section 翻 (電)	days	
Geological	days	
Geochemical	days	
Man days ☒	Airborne	
Special provision	Ground 🙀	

792 (6/77)

Survey reports and maps in duplicate be submitted to the Lands Administration Branch, Toronto within 60 days from the date of recording of this work.

Reports and maps are being forwarded to the Lands Administration Branch with this letter.

LA. 065

Norcen Energy Resources Limited



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Ministry of Natural Resources Notification of recording of assessment work credits

Lands Administration Branch Mining Lands Section Ministry of Natural Resources Room 1617, Whitney Block Queen's Park, Toronto M7A 1W3

Date of recording of work:	September 30,	1981	
Recorded holder:	715- 5th Aver	Resources Limited	
Address:	_Calgary, Albe	erta T2P 2X7	
Township or Area:	Godfrey		
Type of survey an Assessment days cr	edit per claim	Mining claims	
Geophysical	· canel	D 502001 002 002 in 2	
Electromagnetic	days	P-583991-992-993 incl. P-585389-390-391-392-393-394-	
Magnetometer	/	P-585395-396 incl.	
Radiometric	days	·	
Induced polarization	days		
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Geological	days		
Geochemical	days		
Man days 🔀	Airborne 🗌		
Special provision	Ground 🖾		
Notice to recorded holder	:		
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Reports and maps are bei Administration Branch w		S	
792 (6/77)		LA. 065	



Ministry of Natural Resources Notification of recording

of assessment work credits

## RECEIVED

OCT 1 3 1981

MINING LANDS SECTION

Lands Administration Branch Mining Lands Section Ministry of Natural Resources Room 1617, Whitney Block Queen's Park, Toronto M7A 1W3

Date of recording of work:	September 30	, 1981					
Recorded holder:	Norcen Energy	gy Resources Limited					
	715- 5th Aver	nue					
Address:	Calgary, Albe	erta T2P 2X7					
Township or Area:	Godfrey						
Type of survey a Assessment days		Mining claims					
Geophysical	consid						
Electromagnetic	· · · · ·	F - 202203 - 230 271 272 223 224					
Magnetometer	days	P-585395-396 incl.					
Radiometric	days						
Induced polarization	days						
77 19 Section (154)	days						
Geological	days						
Geochemical	days						
Man days 🍱	Airborne 🗆						
Special provision	Ground 🔀						
Notice to recorded hold	er:	Colsomblay					

Survey reports and maps in duplicate be submitted

Reports and maps are being forwarded to the Lands Administration Branch with this letter.

to the Lands Administration Branch, Toronto with-

in 60 days from the date of recording of this work.

Tour Mining recorder

c.c. / Norcen Energy Resources Ltd.



P. 529726

Ministry of Natural Resources

Notification of recording

of assessment work credits

### RECEIVED

Lands Administration Branch Mining Lands Section Ministry of Natural Resources Room 1617, Whitney Block Queen's Park, Toronto M7A 1W3

MINING LANDS SECTION

OCT 1 4 1981

ate of recording of work:	October 1/81				
Recorded holder:	Norcen Energy			Limited	
Address:	715 -5th Aver Calgary, Albe			2X7	
ownship or Area:	Godfrey			and the same of th	
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Type of survey Assessment days				Mining claims	s ·
Geophysical	careel				
Electromagnetic	on file day	s See	attach	ed list	
Magnetometer	40 2.4393	/s   "	Ħ	ņ	
Radiometric	da	/s			
Induced polarization	da	rs		•	
77 /9 Section (15)	da	/S			
Geological	da	/S			,
Geochemical	da	/s			
Man days 🔀	Airborne				
Special provision	Ground 😾				

Norcen Energy Resources Limited

Survey reports and maps in duplicate be submitted to the Lands Administration Branch, Toronto within 60 days from the date of recording of this work.

Reports and maps are being forwarded to the Lands Administration Branch with this letter.

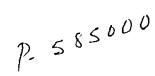
# NORCEN ENERGY RESOURCES LIMITED DISTRIBUTION OF ASSESSMENT CREDITS LONG GRID, GODFREY TOWNSHIP MAGNETOMETER SURVEY

	CLAIM	DAYS	CLAIM	DAYS
I	529926	40	P 585003	40
F	529927	40	P 585004	40
F	529928	40	P 585005	40
F	529929	40	P 585006	40
P	529930	40	P 585007	40
P	583804	40	P 585008	40
P	583875	<u>4</u> ()	P 585009	40
P	583994	40	P 585010	40
P	583995	40	P 585011	40
P	583996	40	P 585399	40
P	583997	40	P 585400	40
P	583998	40	P 585401	40
P	584681	40	P 585706	40
P	584682	40	P 617679	40
P	584683	40		
P	584684	40		
P	584685	40	Total: 38 cla	ims
P	584686	40	1520 day:	s .
P	584687	40	·	
P	584688	40		
P	584689	40		
P	584690	40		
P	584691	40		
P	584692	40		

# NORCEN ENERGY RESOURCES LIMITED DISTRIBUTION OF ASSESSMENT CREDITS LONG GRID, GODFREY TOWNSHIP ELECTROMAGNETIC SURVEY

	CLAIM	DAYS		CLAIM	DAYS
P	529926	20		P 585003	20
P	529927	20	1	P 585004	20
P	529928	20	1	P 585005	20
P	529929	20	]	P 585006	20
P	529930	20	I	2 585007	20
P	583804	20	I	585008	20
P	583875	20	I	585009	20
P	583994	20	F	585010	20
P	583995	20	F	585011	20
P	583996	20	P	585399	20
P	583997	20	P	585400	20
P	583998	20	P	585401	20
P	584681	20	P	585706	20
P	584682	20	P	617679	20
P	584683	20			
P	584684	20			
P	584685	20	T	otal: 38 cla	aims
P	584686	20	,	760 day	's
P	584687	20			
P	584688	20		TOF	CORDED
P	584689	02			CORDED  OCT 0 1981
P	584690	20		,	A No.
P	584691	20		Roccin	01 140

P 584692





Ministry of Natural Resources

Notification of recording

of assessment work credits

RECEIVED

OCT 1 3 1981

MINING LANDS SECTION

Lands Administration Branch Mining Lands Section Ministry of Natural Resources Room 1617, Whitney Block Queen's Park, Toronto M7A 1W3

Date of recording of work:	September 30,	1981					
Recorded holder:		Resources Limited					
	715 -5th Avenue						
Address:	Calgary, Albei	ta T2P 2X7					
Township or Area:	Godfrey townsh	nip					
, , ,	and number of	Mining claims					
Assessment day	s credit per claim						
Geophysical	annex!	P-585000-001-002 incl.					
Electromagnetic	20 days 40 2,4383 days	P-585696-697-698 incl. P-585714-715; P585718; P-586078.					
Magnetometer	40 2.4383 days	· ·					
Radiometric	days						
Induced polarization	days						
77 /9 Section (19)	days						
Geological	days	) }					
Geochemical	days						
Man days <b>₹</b>	Airborne 🗆						
Special provision	Ground 🔀						

c.c. Norcen Energy Resources Ltd.

Survey reports and maps in duplicate be submitted to the Lands Administration Branch, Toronto with-

Reports and maps are being forwarded to the Lands
Administration Branch with this letter.

in 60 days from the date of recording of this work.

Mining Recorder's Office Ministry of Natural Resources 60 Wilson Avenue Timmins, Ontario P4N 2S7

Dear Sir:

We have received reports and maps for a Geophysical (Electromagnetic) and Magnetometer) asrvey submitted under Special Provisions (credit for Performance and Coverage) on mining claims P 529926 et al in the Townships of Godfrey and Jamiewon.

This material will be examined and assessed and a statement of assessment work credits will be issued.

Yours very truly

E.F. Anderson Director Land Management Branch

Whitney Block, Room 6450 Queen's Park Toronto, Ontario M7A 1W3 Phone 416/965-1380

J. Skura

cc: Norcen Energy Resources Limited Calgary, Alberta

A. Baldwin Timmins, Ontario



Kom

P-583555

Ministry	of
Natural	
Resourc	es

Notification of recording

of assessment work credits

Lands Administration Branch Mining Lands Section Ministry of Natural Resources Room 1617, Whitney Block Queen's Park, Toronto M7A 1W3

Date of recording of work: September 29, 1981

Recorded holder:					mited		
Address:	715 -5th <i>I</i> Calgary, <i>I</i>						
Township or Area:	Jamieson_	rownsh	ip_				• complete control of the control of
	y and number of ys credit per claim				Mining clai	ms	
Geophysical							
Electromagnetic		days		·	* .		
Magnetometer	40	days	See	attache	ed list		
Radiometric		days					
Induced polarization		days					
7) 19 Section 翻 (場)		days					i Ngj
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Geochemical		days					
Man days 🗵	Airbo	orne 🗆					
Special provision	Gro	und 🔯					

Notice to recorded holder:

Survey reports and maps in duplicate be submitted
to the Lands Administration Branch, Toronto with
in 60 days from the date of recording of this work

Reports and maps are being forwarded to the Lands Administration Branch with this letter.

Mining recorder
c.c. Norcen Energy Resources Ltd.

792 (6/77)

LA. 065



Speyr P. 585000

Mining recorder

c.c. Norcen Energy Resources Ltd.

Ministry of Natural Resources

Notification of recording

of assessment work credits

Lands Administration Branch Mining Lands Section Ministry of Natural Resources Room 1617, Whitney Block Queen's Park, Toronto M7A 1W3

Notice to recorded holder:

K) Survey reports and maps in duplicate be submitted

Reports and maps are being forwarded to the Lands Administration Branch with this letter.

to the Lands Administration Branch, Toronto with-

in 60 days from the date of recording of this work.

Date of recording of work: September 30, 1981

	,		
Recorded holder:	Norcen Enerc	ענ.	Resources Limited
	715 -5th Ave	enue	
Address:			ta-T2P-2X7
Township or Area:	Godfrey town	ish:	i p
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Type of survey	and number of		A4-1A-1
Assessment day	s credit per claim		Mining claims
Geophysical			
Goophy olou.	•		P-585000-001-002 incl.
Electromagnetic	20	days	P-585696-697-698 incl.
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Man days 🖺	Airborne (		
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Ministry of Natural Resources

Notification of recording of assessment work credits

Lands Administration Branch Mining Lands Section Ministry of Natural Resources Room 1617, Whitney Block Queen's Park, Toronto M7A 1W3

Date of recording of work:	October 6, 1981			
Recorded holder:	Norcen Energy Resources Limited			
	715- 5th Avenue Calgary, Alberta T2P 2X7			
Township or Area:				

Type of survey and r Assessment days cred		Mining claims
Geophysical		
Electromagnetic	days	P-583991-992-993 incl;
Magnetometer 40	daỳs	P-585389-390-391-392-393-394- P-585395-396 incl.
Radiometric	days	
Induced polarization	days	
フ) 19 Section 郷 (富)	days	
Geological	days	
Geochemical	days	
Man days 🔼	Airborne 🗆	
Special provision	Ground 🗵	

Notice to recorded holder:

X	Survey reports and maps in duplicate be submitted
	to the Lands Administration Branch, Toronto with-
	in 60 days from the date of recording of this work.

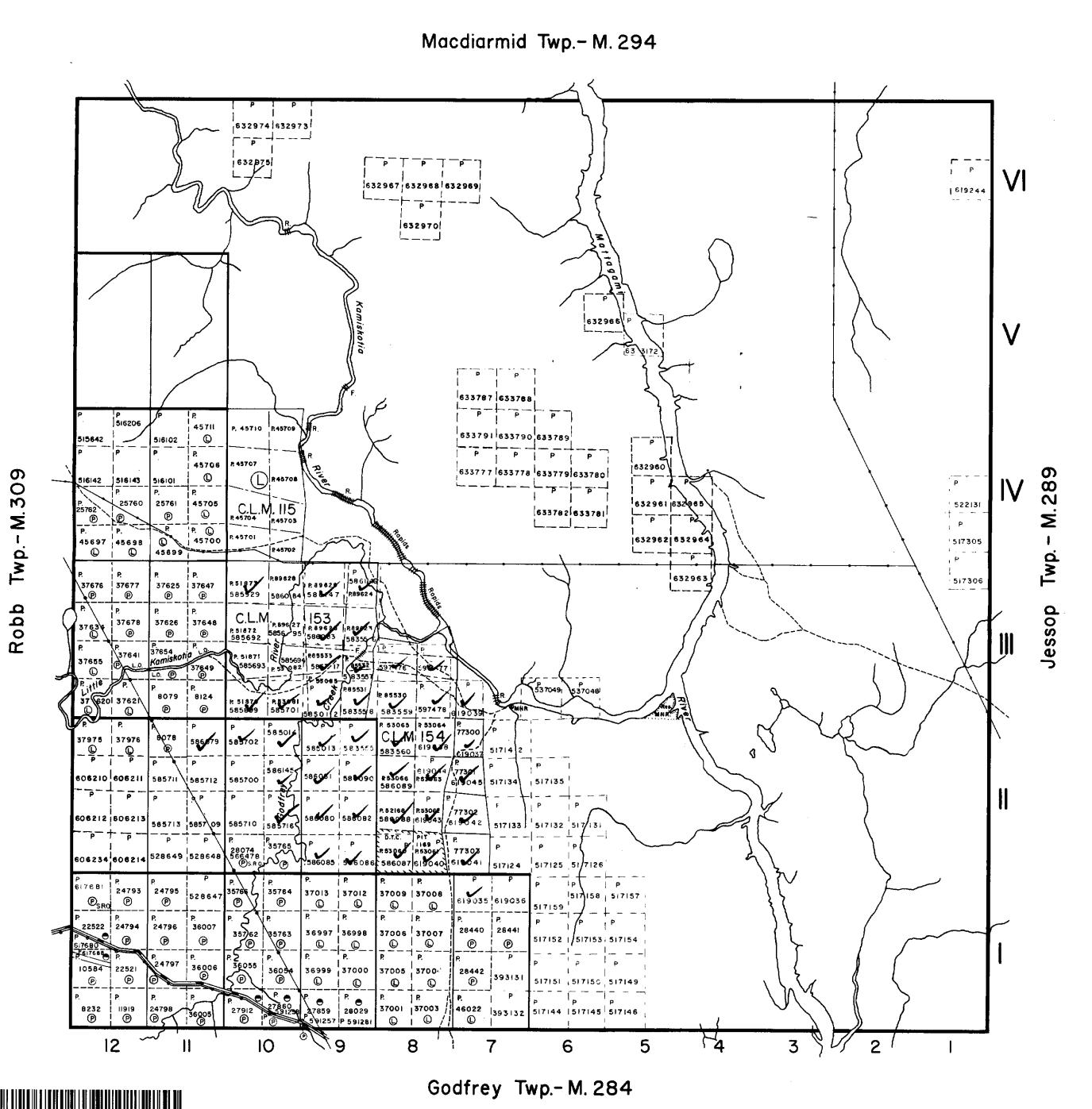
Reports and maps are being forwarded to the Lands Administration Branch with this letter.

Mining recorder

Mining recorder

Norcen Energy Resources Ltd.

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THE TOWNSHIP OF

## **JAMIESON**

DISTRICT OF COCHRANE

PORCUPINE MINING DIVISION

SCALE:1-INCH=40 CHAINS

### LEGEND

PATENTED LAND CROWN LAND SALE **LEASES** LOCATED LAND Loc. LICENSE OF OCCUPATION MINING RIGHTS ONLY M.R.O. SURFACE RIGHTS ONLY ROADS IMPROVED ROADS KING'S HIGHWAYS RAIL WAYS POWER LINES MARSH OR MUSKEG MINES CANCELLED PATENTED for S.R.O.

### **NOTES**

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

Flooding rights to areas along Mattagami River to H.E.P.C. - L.O. 7085

This township lies within the Municipality of City of Timmins .

DATE OF ISSUE

AUG - 4 1982

Ministry of Natural Resources
TORONTO

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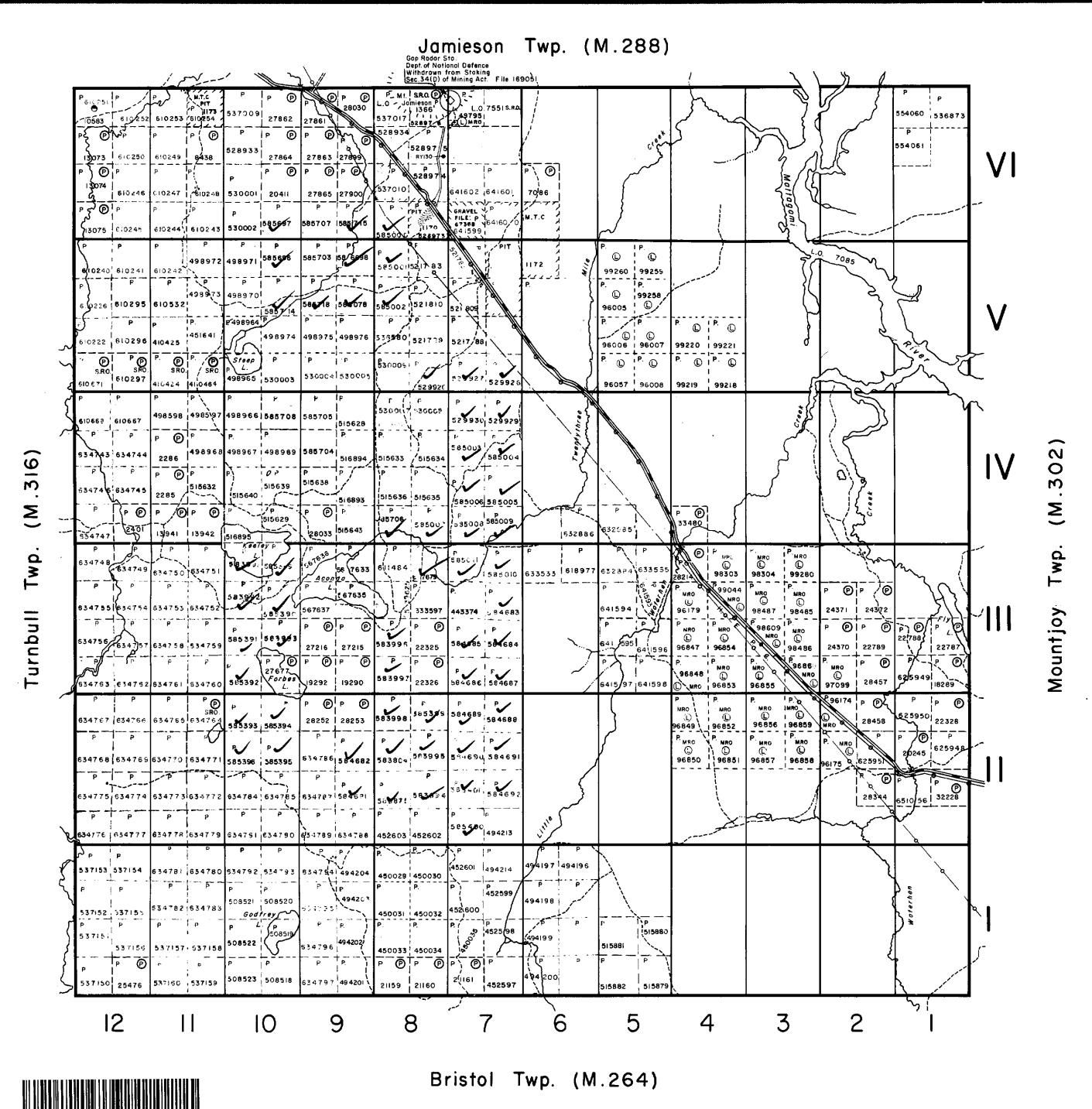
PLAN NO.- M.288

ONTARIO

MINISTRY OF NATURAL RESOURCES

SURVEYS AND MAPPING BRANCH

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THE TOWNSHIP OF

## GODFREY

DISTRICT OF COCHRANE

PORCUPINE MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

### **LEGEND**

● or **(P**) PATENTED LAND CROWN LAND SALE C.S. LEASES LOCATED LAND Loc. LICENSE OF OCCUPATION L.O. MINING RIGHTS ONLY M.R.O. SURFACE RIGHTS ONLY ROADS IMPROVED ROADS KING'S HIGHWAYS **RAILWAYS** POWER LINES MARSH OR MUSKEG MINES CANCELLED PATENTED S.R.O.

#### **NOTES**

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

Flooding rights on either side of the Mattagami to H.E.P.C.

This township lies within the Municipality of CITY of TIMMINS.

Reservations:



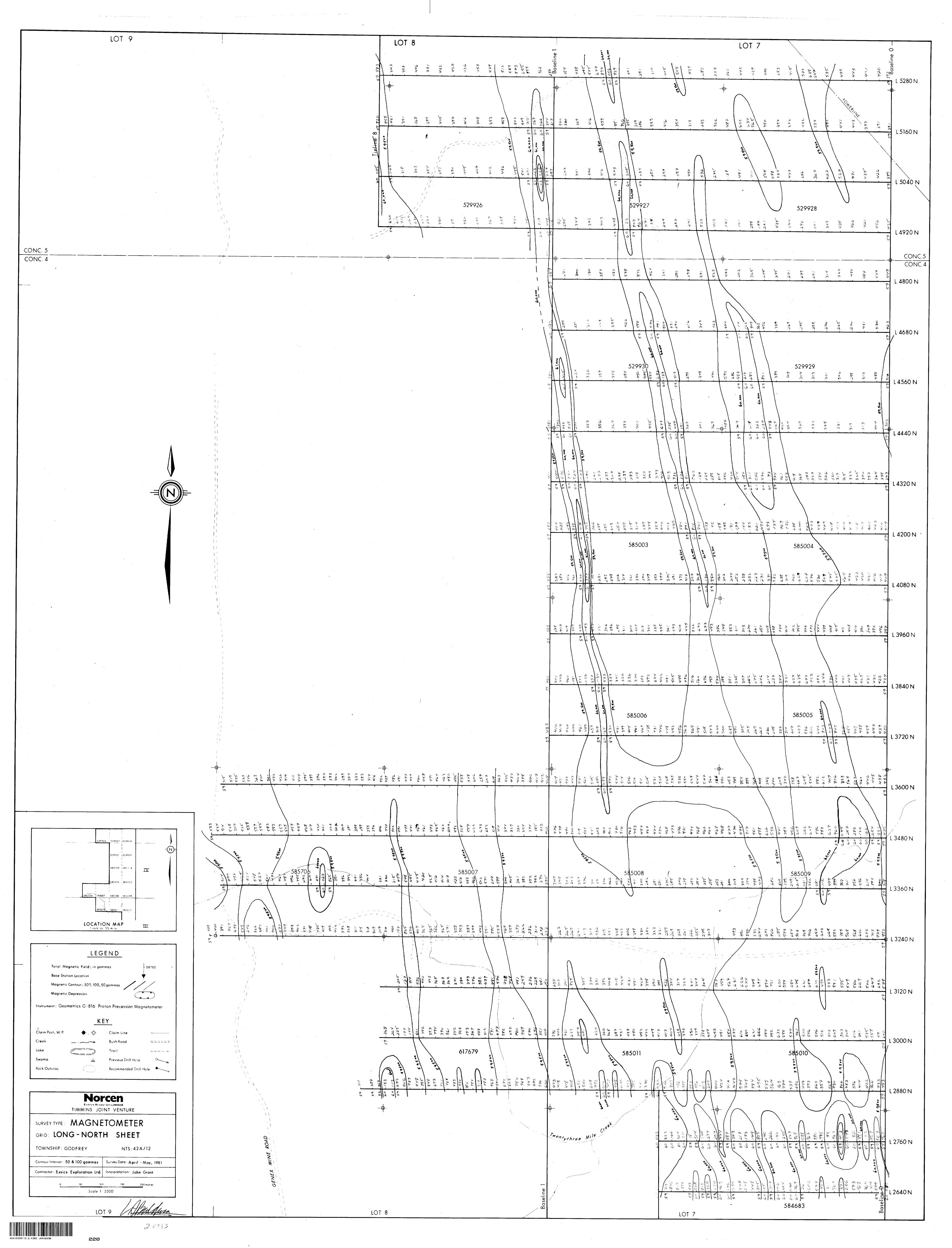
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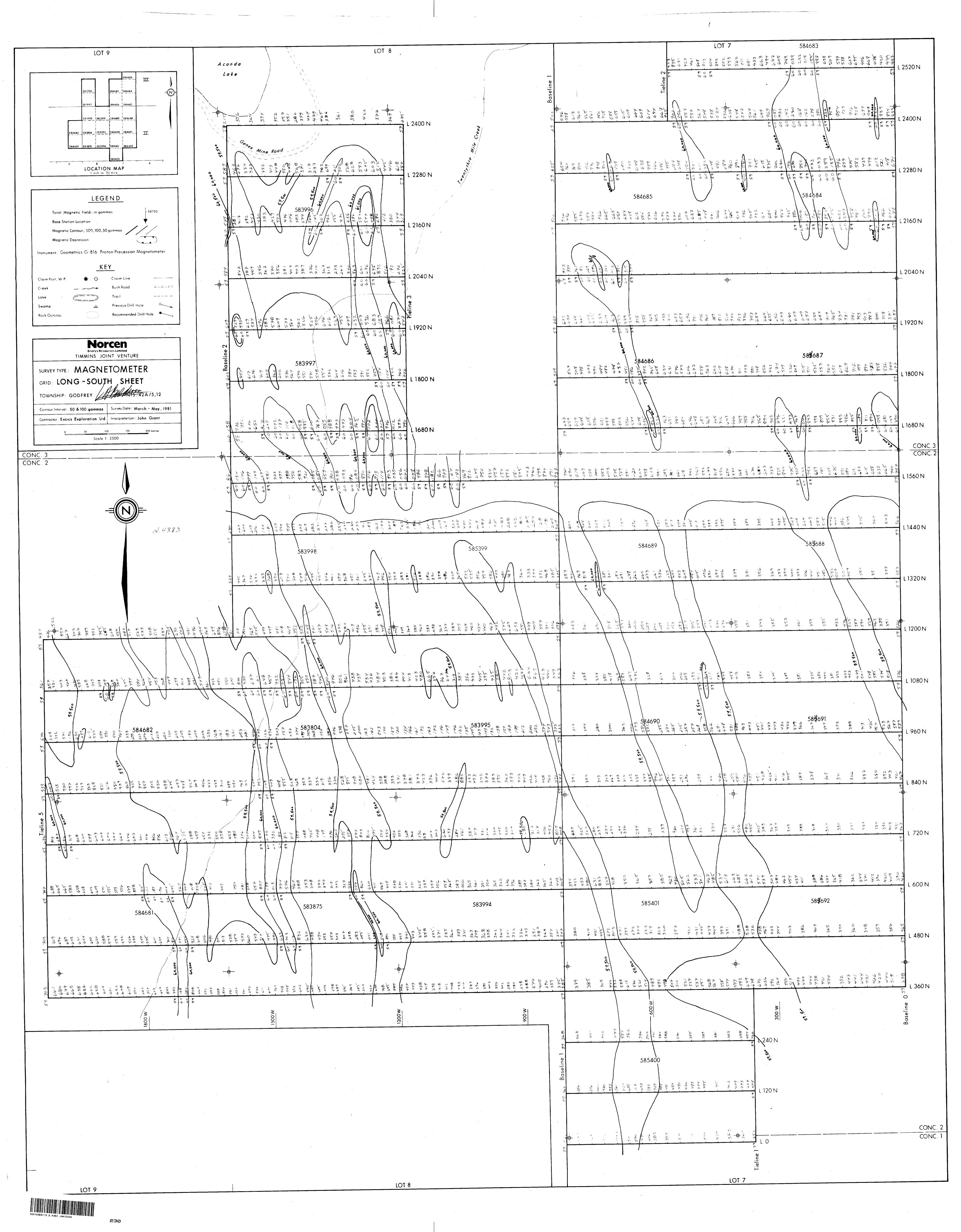
M.284PLAN NO.

ONTARIO

MINISTRY OF NATURAL RESOURCES

SURVEYS AND MAPPING BRANCH





LOT 8 LOT 10 L 1200 N L 720 N LOCATION MAP L 600 N LEGEND Total Magnetic Field; in gammas Magnetic Contour; 500, 100, 50 gammas Magnetic Depression Instrument: Geometrics G-816 Proton Precession Magnetometer L 360 N \_\_\_\_\_ Recommended Drill Hole L 240 N Norcen Energy Resources Limited TIMMINS JOINT VENTURE SURVEY TYPE: MAGNETOMETER L 120 N GRID: STEEP NTS: 42A/12 TOWNSHIP: GODFREY Contour Interval: /00, 200 + 500 y Survey Date: May, 1981 Scale 1: 2500 E TOT 8 LOT 9 LOT 10



