



42A065E0037 2.9980 CARMAN

010

A REPORT ON THE  
TOTAL FIELD MAGNETICS SURVEY  
on the  
Carman & Langmuir Townships  
Property  
of  
GOLDEN PHEASANT RESOURCES LTD.  
Procupine Mining Division  
by  
Greg Hodges, B.Sc.

**RECEIVED**

APR 27 1987

**MINING LANDS SECTION**

*Final  
25919*



TABLE OF CONTENTS

	PAGE
INTRODUCTION.....	1
LOCATION AND ACCESS.....	1
CLAIMS.....	1
GEOLOGY.....	2
PREVIOUS WORK.....	2
SURVEY PROCEDURE	
MAGNETICS	
Theory.....	4
Field Method.....	5
PERSONNEL AND EQUIPMENT.....	6
SURVEY STATISTICS.....	6
INTERPRETATION.....	6
CONCLUSIONS AND RECOMMENDATIONS.....	7
BIBLIOGRAPHY.....	8
CERTIFICATION	

APPENDIX A:       Equipment Specifications

LIST OF FIGURES

- Figure 1   Property Location Regional
- Figure 2   Property Location Local
- Figure 3   Claim Map

INTRODUCTION

During the first part of 1987, a program of linecutting and magnetics surveying was completed on the Carman and Langmuir Townships property of Golden Pheasant Resources Ltd. The survey, conducted by Robert S. Middleton Exploration Services Inc., was conducted to detail magnetically anomalous zones and aid in geologic mapping through the overburden.

LOCATION AND ACCESS

The property is located on the boundary of Carman and Langmuir Townships in the Porcupine Mining District of Ontario. Access to the grid is by truck on the Springer Road, then onto the Langmuir Mine Road. Approximately 2.5km along this road a trail leads east to the grid about 700m. This trail may be travelled by foot or by all-terrain vehicle or snowmobile (Figure 1 and 2).

CLAIMS

There are 25 claims in the block:

<u>CLAIM NUMBERS</u>	<u>TOWNSHIP</u>	<u>NUMBER</u>	<u>RECORDING DATE</u>	<u>RECORDED HOLDER *</u>
P947051-P947060	Carman	10	September 16/86	B
P792475-P792477	Carman	3	March 12/84	A
P947114-P947121	Langmuir	8	September 16/86	B
P792481-P792484	Langmuir	4	March 29/84	A
		<u>25</u>		

\* A - Mark C. Kean, 624 Cedar St. North, Timmins, Ontario

B - Golden Pheasant Resources Ltd., Suite 500,  
455 Grenville Street, Vancouver, B.C.

### GEOLOGY

The geology of Carman Township was mapped for the OGS by E.J. Leahy between 1964 and 1968 (Leahy 1970). Langmuir Township was mapped by D.R. Pyke in 1967 (Pyke 1970).

The area of the grid is underlain by felsic to mafic metavolcanics, intercalated with mafic and ultramafic intrusives. These are cut by two series of diabase dikes, one trending approximately north, and the other north-east. Short strike-length iron formations exist widely scattered in the metavolcanics, and minor outcrops of feldspar porphyry were mapped by Leahy.

The iron formation in claim 792475 contained significant copper, and asbestos was observed in many places in the intrusives.

The Montreal River fault passes approximately 1km south west of the property, and there are numerous sub-parallel and perpendicular faults throughout the area.

### PREVIOUS WORK

The following is quoted from J.K. Filo, 1985:

"In the early sixties this property was examined for its base metal potential. A limited

amount of diamond drilling was completed by R. Allerston and Dumont Nickel at this time. During the course of this drilling minor chalcopyrite and significant gold values were detected in a silicified banded iron formation. Gold values ranged from .09 oz Au/ton to 1.38 oz Au/ton over a core length of 6 ft. This drill hole was the only drill hole to cut this particular zone of gold bearing iron formation and no further drilling was done on this zone to date. (Assessment File T-690 Timmins, Ont.)

Later in 1982 a VLF-EM and magnetic survey and one drill hole were completed by Rio Canex. The Rio Canex hole was drilled some distance away from the gold discovery and no assay results were published. (Assessment File T-2454, Timmins, Ont.)

During the course of the 1985 geological survey a large trench was found in a sheared carbonate zone. This work was not previously documented in assessment files. An old drill hole collar was also found approximately 60 metres southeast of this trench."

SURVEY PROCEDURE

MAGNETICS

Theory

The magnetic method is based on measuring alteration in the shape and magnitude of the earth's naturally occurring magnetic field caused by changes in the magnetization of the rocks in the earth.

These changes in magnetization are due mainly to the presence of the magnetic minerals, of which the most common is magnetite, and to a lesser extent ilmenite, pyrrhotite, and some less common minerals.

Magnetic anomalies in the earth's field are caused by changes in two types of magnetization: induced and remanent (permanent). Induced magnetization is caused by the magnetic field being altered and enhanced by increases in the magnetic susceptibility of the rocks, which is a function of the concentration of the magnetic minerals.

Remanent magnetism is independent of the earth's magnetic field, and is the permanent magnetization of the magnetic particles (magnetite, etc.) in the rock. This is created when these particles orient themselves parallel to the ambient field when cooling. This magnetization may not be in the same direction as the present earth's field, due to changes in the orientation of the rock or the field.

The most common method of measuring the total magnetic field in ground exploration is with a proton precession magnetometer. This device measures the effect of the magnetic field on the magnetic dipole of hydrogen protons. This dipole is caused by the "spin" of the proton, and in a magnetometer these dipoles in a sample of hydrogen-rich fluid are oriented parallel to a magnetic field applied by an electric coil surrounding the sample. After this magnetic field is removed, the dipoles begin to precess (wobble) around their orientation under the influence of the ambient earth's magnetic field. The frequency of this precession is proportional to the earth's magnetic field intensity.

#### Field Method

The magnetics data were collected with a proton precession magnetometer, which measures the absolute value of the total magnetic field of the earth to an accuracy of  $\pm 1$  n Tesla. The magnetometer is carried down the survey line by a single operator, with the sensor mounted on a short pole to remove it from the surface geologic noise. Readings are normally taken at 25 m intervals, and at 12.5 m intervals where the operator observes a high gradient (anomaly).

The readings are corrected for changes in the earth's total field (diurnal drift) by measuring and recording the drift with a stationary (base station) magnetometer. This recorded drift is

then applied to the data as a correction.

#### PERSONNEL AND EQUIPMENT

The survey was completed by two persons from Robert S. Middleton Exploration Services Inc. The equipment used were EDA Instruments proton precession magnetometers, an Omni IV and PPM 350 field magnetometers and a PPM-400 base station magnetometer. Specifications for these instruments may be found in Appendix A.

Transportation was provided by Middleton Exploration and the crews were accommodated in Timmins.

#### SURVEY STATISTICS

Nine man days were required for the two men to complete 42.775 line km of magnetics. There were no "down" days.

#### INTERPRETATION

The magnetic survey clearly delineated the lithologic units on the property. A north, north-west trending diabase dike through 175W, 900N, and two north east trending dikes, a thick one at 650N, 0W and a narrow one at 150N, 0W.

The mafic to ultramafic intrusive is clearly defined in the south eastern quarter of the survey area, with some areas suggesting that they are offset and altered by faults trending north west.



The high relief of the magnetics obscures any background shift that might exist between the mafic and felsic metavolcanics.


There are no clearly evident iron formations in the metavolcanics, but a sulphide facies formation would show little or no magnetic anomaly. There are very strong local anomalies in the mafic intrusive, suggesting that there is strong concentrations of magnetite in it.

? possible?

CONCLUSIONS AND RECOMMENDATIONS

The magnetics survey provided excellent data to aid in geologic mapping of areas with no overburden. Decisions on further work on this property should be made upon consideration of these results with those of the electromagnetic, induced polarization and geologic surveys being completed at this time.

Respectfully submitted

  
Greg Hodges, B.Sc.

BIBLIOGRAPHY

REPORTS

FILO, J.K.  
1985

Geological Report on the MK Gold Prospect in Langmuir and Carman Townships, Porcupine Mining Division, Timmins, Ontario.

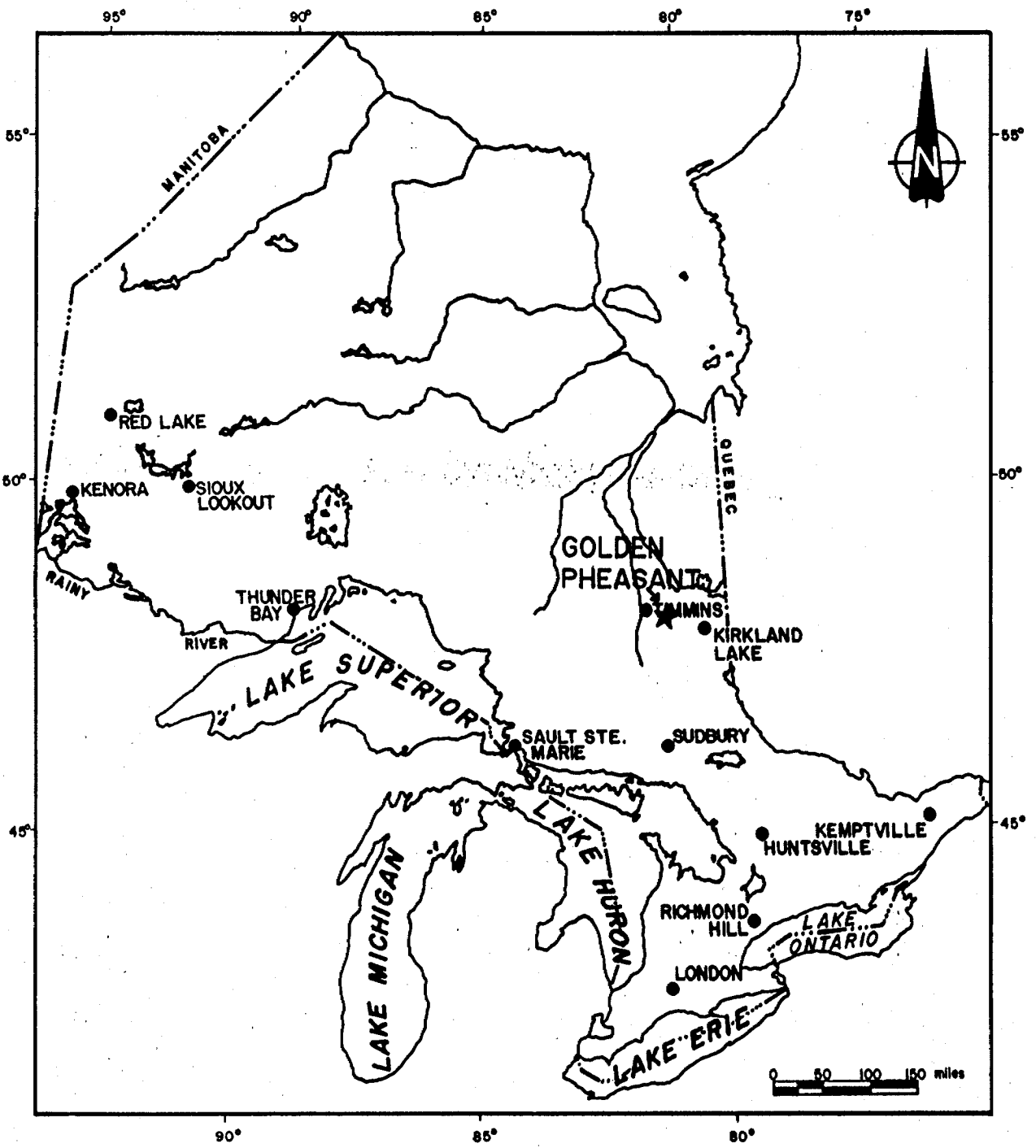
MAPS

LEAHY, E.J.  
1970

Night Hawk Lake Area, Cochrane District, Ontario, Ontario Department of Mines and Northern Affairs. Colour Map 2222

PYKE, D.R.  
1970

Langmuir and Blackstock Townships, Timiskaming District, Ontario, Ontario Department of Mines Colour Map 2206



PROVINCE OF ONTARIO

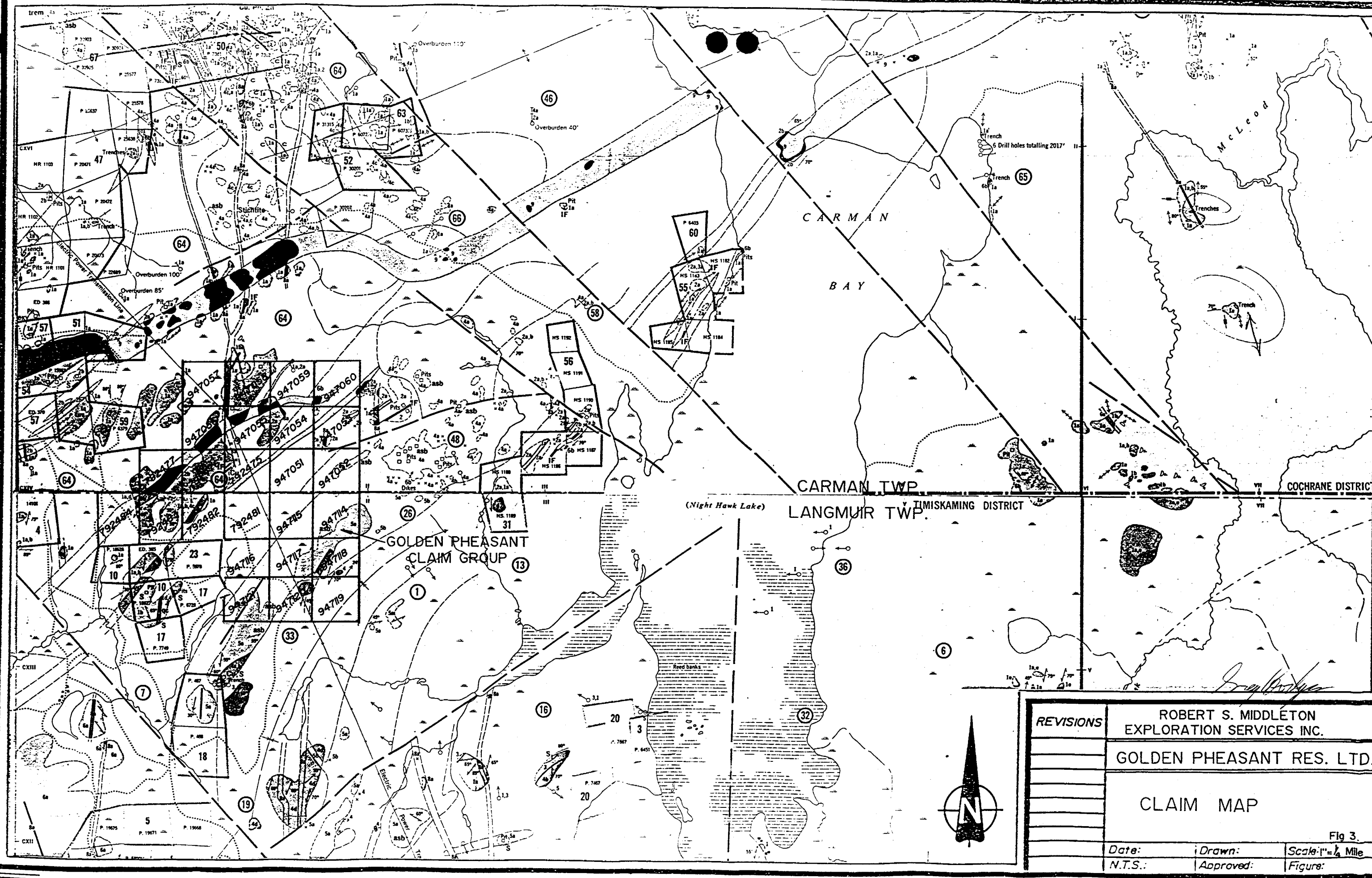
*Greg Hodges*

REVISIONS	ROBERT S. MIDDLETON EXPLORATION SERVICES INC.	
	for	GOLDEN PHEASANT RESOURCES LTD.
	Title	CARMAN & LANGMUIR TWPS.
	PROPERTY LOCATION MAP	
	Date:	Scale: 1" = 160mi. N.T.S.:
	Drawn:	Approved: File:

Fig. 1



REVISIONS	ROBERT S. MIDDLETON EXPLORATION SERVICES INC.		
	for	GOLDEN PHEASANT RESOURCES	
	Title	CARMAN & LANGMUIR TWPS.	
		PROPERTY LOCATION-LOCAL	
		From OGS MAP 2205	Fig 2
Date:	Scale: 1"=4 Miles	N.T.S.:	
Drawn:	Approved:		



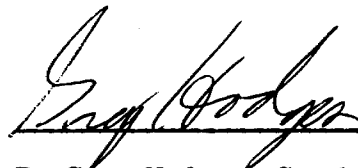
REVISIONS	ROBERT S. MIDDLETON EXPLORATION SERVICES INC.		
	GOLDEN PHEASANT RES. LTD.		
	CLAIM MAP		
	Fig 3.		
Date:	Drawn:	Scale: 1" = 1/4 Mile	
N.T.S.:	Approved:	Figure:	

CERTIFICATION

I, D. Greg Hodges, of 136 Cedar Street South, in the city of Timmins, Province of Ontario, certify as follows concerning my report on the Golden Pheasant Resources Ltd. property in Carman and Langmuir Townships, Province of Ontario and dated April 22, 1987:

1. I am a member in good standing of the Society of Exploration Geophysicists
2. I am a graduate of Queen's University at Kingston, Ontario, with a B.Sc. (Hons.) Geological Sciences with Physics, obtained in 1980.
3. I have been practising in Canada, and occasionally in the United States, Europe, and Australia for the past seven years.
4. I have no direct interest in the properties, leases, or securities of Golden Pheasant Resources Ltd., nor do I expect to receive any.
5. The attached report is a product of:
  - a) Examination of data included in the report which was collected on the property concerned.

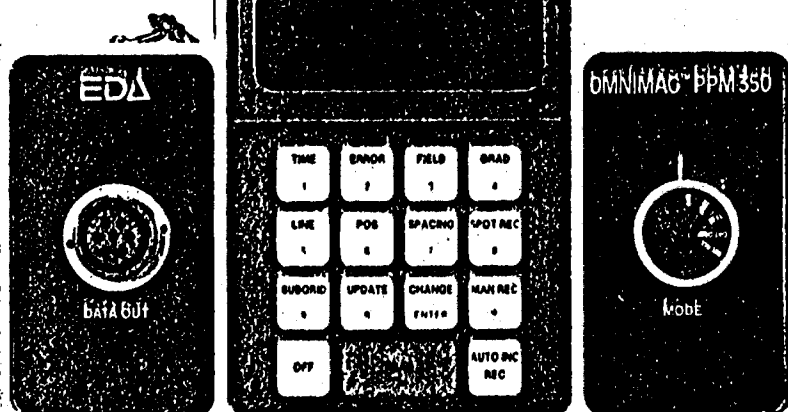
Dated this April 22, 1987  
Timmins, Ontario

  
\_\_\_\_\_  
D. Greg Hodges, Geophysicist

A P P E N D I X A

# OMNIMAG PPM-350 Total Field Magnetometer

# EDA



The PPM-350 is the latest addition to EDA's OMNIMAG\*™ series of magnetometers and gradiometers. It is engineered to provide users with the latest state-of-the-art advances in microprocessor technology, including many features that are unique in the field.

### Major benefits and features include:

- Significant increase in productivity
- Lowered survey costs
- Automatic diurnal correction
- Programmable grid coordinates
- Highly reproduceable data
- Ergonomic design
- Simplified fieldwork
- Computer-compatible





## Specifications

Dynamic Range	18,000 to 93,000 gammas
Sensitivity	$\pm 0.02$ gamma
Statistical Error Resolution	0.01 gamma
Standard Memory Capacity	1383 data blocks or readings
Absolute Accuracy	$\pm 15$ ppm at 23°C, 50 ppm over the operating temperature range
Display Resolution	0.1 gamma
Capture Range	$\pm 25\%$ relative to ambient field strength of last stored value
Display	Custom-designed, ruggedized liquid crystal display with an operating temperature range from $-35^{\circ}\text{C}$ to $+55^{\circ}\text{C}$
Gradient Tolerance	5,000 gammas per meter
Sensor	Optimized miniature design. Magnetic cleanliness is consistent with the specified absolute accuracy
Sensor Cable	Remains flexible in temperature range; includes low strain connector
Operating Environmental Range	$-35^{\circ}\text{C}$ to $+55^{\circ}\text{C}$ ; 0–100% relative humidity; weather-proof
Power Supply	Non-magnetic rechargeable sealed lead acid battery cartridge or belt; or, Disposable "C" cell battery cartridge or belt
Battery Cartridge Life	2,000 to 5,000 readings, depending upon ambient temperature and rate of readings
Weight and Dimensions	
Instrument Console only	3.4 kg, 238 x 150 x 250 mm
Lead Acid Battery Cartridge	1.9 kg
Sensor	1.2 kg, 56 mm diameter x 200 mm
System Complement	Electronics console; sensor with 3-meter cable; sensor staff; power supply; harness assembly; operation manual.

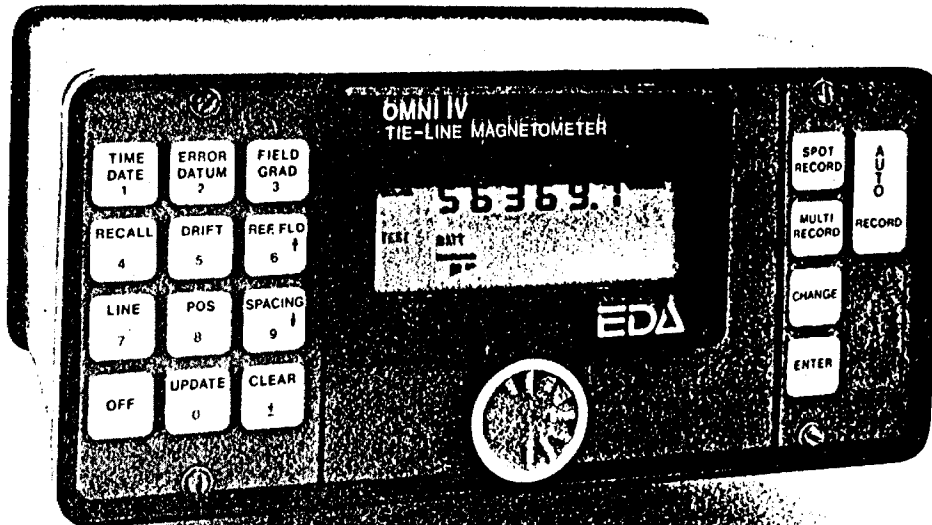
EDA is a pioneer in the development of advanced geophysical systems and has created many innovations that increase field productivity and lower survey costs.

EDA's OMNIMAG series consists of the PPM-350 Total Field Magnetometer, PPM-400 Base Station Magnetometer, and the PPM-500 Vertical Gradiometer. Contact us *now* for details.

EDA Instruments Inc.  
1 Thorncliffe Park Drive  
Toronto, Ontario  
Canada M4H 1G9  
Telex: 06 23222 EDA TOR  
Cable: Instruments Toronto  
(416) 425-7800

In U.S.A.  
EDA Instruments Inc.  
5151 Ward Road  
Wheat Ridge, Colorado  
U.S.A. 80033  
Telex: 00 450681 DVR  
(303) 422-9112

# OMNI IV "Tie-Line" Magnetometer



- Four Magnetometers In One
- Self Correcting for Diurnal Variations
- Reduced Instrumentation Requirements
- 25% Weight Reduction
- User Friendly Keypad Operation
- Universal Computer Interface
- Comprehensive Software Packages

## Specifications

Dynamic Range .....	18,000 to 110,000 gammas. Roll-over display feature suppresses first significant digit upon exceeding 100,000 gammas.
Tuning Method .....	Tuning value is calculated accurately utilizing a specially developed tuning algorithm
Automatic Fine Tuning .....	± 15% relative to ambient field strength of last stored value
Display Resolution .....	0.1 gamma
Processing Sensitivity .....	± 0.02 gamma
Statistical Error Resolution .....	0.01 gamma
Absolute Accuracy .....	± 1 gamma at 50,000 gammas at 23°C ± 2 gamma over total temperature range
Standard Memory Capacity	
Total Field or Gradient .....	1,200 data blocks or sets of readings
Tie-Line Points .....	100 data blocks or sets of readings
Base Station .....	5,000 data blocks or sets of readings
Display .....	Custom-designed, ruggedized liquid crystal display with an operating temperature range from -40°C to +55°C. The display contains six numeric digits, decimal point, battery status monitor, signal decay rate and signal amplitude monitor and function descriptors.
RS 232 Serial I/O Interface .....	2400 baud, 8 data bits, 2 stop bits, no parity
Gradient Tolerance .....	6,000 gammas per meter (field proven)
Test Mode .....	A. Diagnostic testing (data and programmable memory) B. Self Test (hardware)
Sensor .....	Optimized miniature design. Magnetic cleanliness is consistent with the specified absolute accuracy.
Gradient Sensors .....	0.5 meter sensor separation (standard), normalized to gammas/meter. Optional 1.0 meter sensor separation available. Horizontal sensors optional.
Sensor Cable .....	Remains flexible in temperature range specified, includes strain-relief connector
Cycling Time (Base Station Mode) .....	Programmable from 5 seconds up to 60 minutes in 1 second increments
Operating Environmental Range .....	-40°C to +55°C; 0-100% relative humidity; weatherproof
Power Supply .....	Non-magnetic rechargeable sealed lead-acid battery cartridge or belt; rechargeable NiCad or Disposable battery cartridge or belt; or 12V DC power source option for base station operation.
Battery Cartridge/Belt Life .....	2,000 to 5,000 readings, for sealed lead acid power supply, depending upon ambient temperature and rate of readings
Weights and Dimensions	
Instrument Console Only .....	2.8 kg, 238 x 150 x 250mm
NiCad or Alkaline Battery Cartridge .....	1.2 kg, 235 x 105 x 90mm
NiCad or Alkaline Battery Belt .....	1.2 kg, 540 x 100 x 40mm
Lead-Acid Battery Cartridge .....	1.8 kg, 235 x 105 x 90mm
Lead-Acid Battery Belt .....	1.8 kg, 540 x 100 x 40mm
Sensor .....	1.2 kg, 56mm diameter x 200mm
Gradient Sensor (0.5 m separation - standard) .....	2.1 kg, 56mm diameter x 790mm
Gradient Sensor (1.0 m separation - optional) .....	2.2 kg, 56mm diameter x 1300mm
Standard System Complement .....	Instrument console; sensor; 3-meter cable, aluminum sectional sensor staff, power supply, harness assembly, operations manual.
Base Station Option .....	Standard system plus 30 meter cable
Gradiometer Option .....	Standard system plus 0.5 meter sensor

EDA Instruments Inc.  
4 Thorncliffe Park Drive  
Toronto, Ontario  
Canada M4H 1H1  
Telex: 06 23222 EDA TOR  
Cable: Instruments Toronto  
(416) 425 7800

In U.S.A.  
EDA Instruments Inc.  
5151 Ward Road  
Wheat Ridge, Colorado  
U.S.A. 80033  
(303) 422 9112

Printed in Canada



42A06SE0037 2.9980 CARMAN

900

# 36187

Mi

Type of Work(s)  
**MAGNETOMETER** | **CARMAN / LANGHUR TWP**

Claim Holder(s)  
**GOLDEN PHEASANT RESOURCES / MARK C. KEAN** | Prospector's Licence No.  
**T-4781 / M-21054**

Address  
**SUITE 500, 455 GRANVILLE ST, VAN B. C. / 624 CEDAR ST. NORTH, TIMMINS, ONTARIO**

Survey Company  
**ROBERT S. MIDDLETON EXPLORATION SERVICES** | Date of Survey (from & to)  
**18 02 87 28 02 87** | Total Miles of line Cut  
**33.0**

Name and Address of Author (of Geo-Technical report)  
**GREG HODGES BOX 1637 TIMMINS ONTARIO P4N7W8**

Credits Requested per Each Claim in Columns at right

Special Provisions	Geophysical	Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	1
	- Magnetometer	40
	- Radiometric	
	- Other	
For each additional survey: using the same grid: Enter 20 days (for each)	Geological	
	Geochemical	

Man Days	Geophysical	Days per Claim
Complete report inside and enter total(s) here <b>6 1987</b>	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	

Airborne Credits	Geophysical	Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	

Expenditures (excluding power supply)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures \$  ÷ 15 = Total Days Credits

Instructions  
Total Days Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Date **FEB 11/87** | Recorded Holder or Agent (Signature)  
**Mark C. Kean**

Mining Claims Traversed (List in numerical sequence)

Mining Claim		Expend. Days Cr.	Mining Claim		Expend. Days Cr.
Prefix	Number		Prefix	Number	
P	947051		P	792482	
	947052			792483	
	947053			792484	
	947054			792485	
	947055			792486	
	947056			792487	
	947057			792488	
	947058				
	947059				
	947060				
	947114				
	947115				
	947116				
	947117				
	947118				
	947119				
	947120				
	947121				

RECEIVED

MINING LAICES SECTION

RECEIVED  
FEB 27 1987

RECORDED  
FEB 27 1987

Total number of mining claims covered by this report of work. **25**

For Office Use Only

Total Days Cr. Recorded **1000** | Date Recorded **FEB. 27/87** | Mining Recorder **Shi...**  
Date Approved as Recorded **87.4.29** | Branch Director **...**

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

Name and Postal Address of Person Copying  
**NADIA CAIRA BOX 1637 TIMMINS ONTARIO P4N7W8**

Date Certified **FEB 11/87** | Certified by (Signature)  
**Nadia Caira**

February 26, 1987

Ministry of Natural Resources  
Mining Division  
60 Wilson Avenue  
TIMMINS, Ontario  
P4N 2S7

RE: Report of Work dated March 11, 1987 for the  
25 claims in Carman and Langmuir Townships  
in the names of Golden Pheasant Resources  
and Mark C. Kean

Dear Sir or Madam:

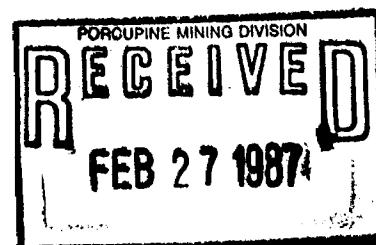
A cut-line grid was first established on the  
claims in Carman Township in 1985. Cross-lines  
were established at azimuth  $135^{\circ}$  using the  
east-west Langmuir-Carman Township boundary as a  
baseline and central line.

A newly cut-line grid was established on the  
25 claims in both Carman and Langmuir Townships in  
1987. Cross-lines were established at azimuth  
 $090^{\circ}$  using the east-west Langmuir-Carman Township  
boundary as a baseline.

Sincerely

*Nadia Cair*  
Nadia Cair

NC/lm



REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

- M.R.O. - MINING RIGHTS ONLY
- S.R.O. - SURFACE RIGHTS ONLY
- M.+S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File
66-26/40	W-27/4	12/8/82	M.T.S.	8851
Re-opened NRO 36 85				

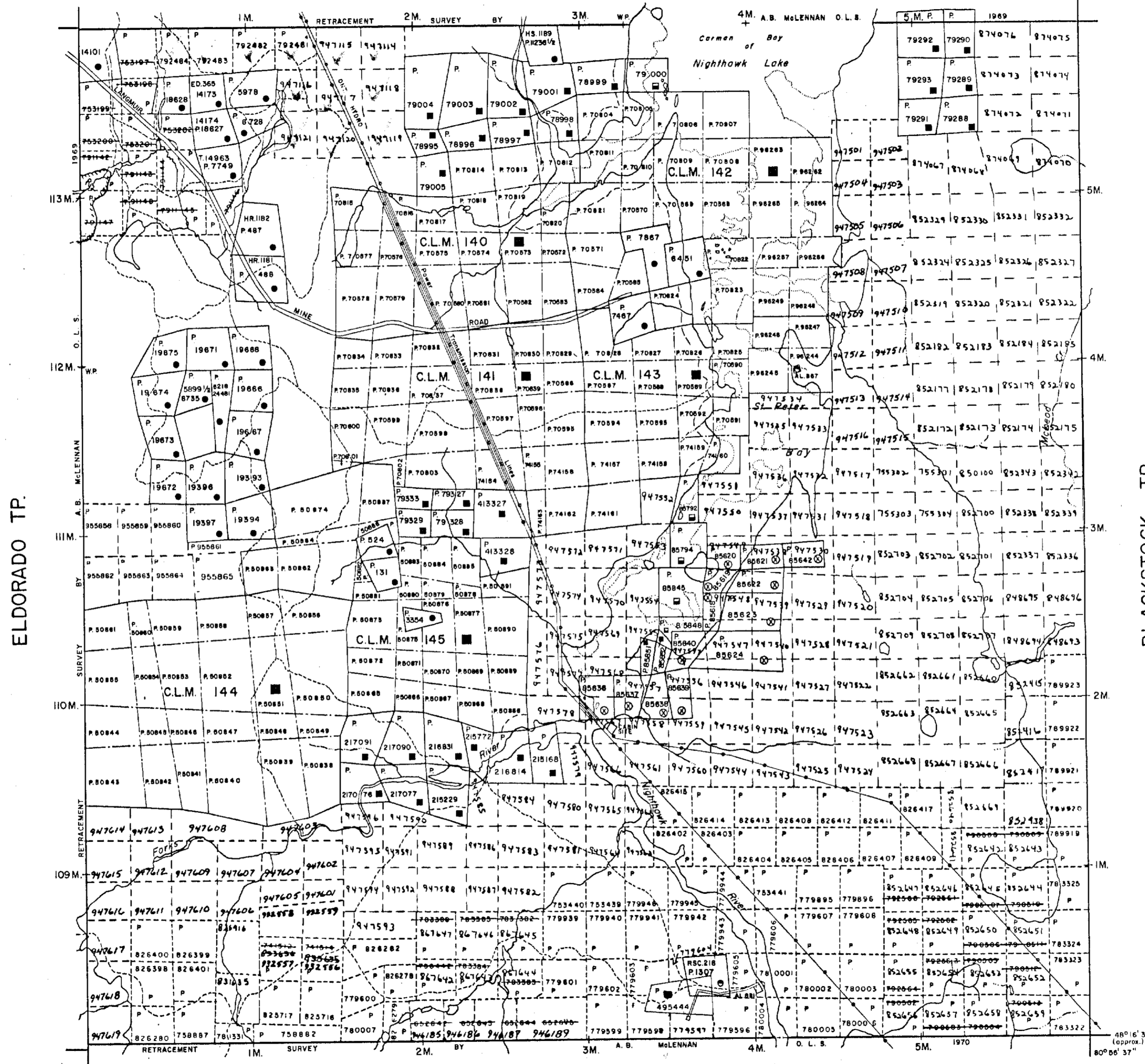
R2 Application pending under P.L.A. - surface rights withdrawn

NOTES

THIS TOWNSHIP LIES WITHIN THE MUNICIPALITY OF THE CITY OF TIMMINS.

FLOODING RIGHTS ON NIGHTHAWK LAKE TO THE CONTOUR ELEVATION 903.5' RESERVED TO DNT. HYDRO.

CARMAN TP.



LEGEND

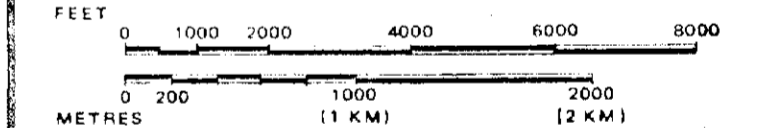
- HIGHWAY AND ROUTE No.
- OTHER ROADS
- TRAILS
- SURVEYED LINES:
  - TOWNSHIPS, BASE LINES, ETC.
  - LOTS, MINING CLAIMS, PARCELS, ETC.
- UNSURVEYED LINES:
  - LOT LINES
  - PARCEL BOUNDARY
  - MINING CLAIMS ETC.
- RAILWAY AND RIGHT OF WAY
- UTILITY LINES
- NON-PERENNIAL STREAM
- FLOODING OR FLOODING RIGHTS
- SUBDIVISION OR COMPOSITE PLAN
- RESERVATIONS
- ORIGINAL SHORELINE
- MARSH OR MUSKEG
- MINES
- TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	
ORDER-IN-COUNCIL	
RESERVATION	
CANCELLED	
SAND & GRAVEL	

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC. 1.

SCALE: 1 INCH = 40 CHAINS



TOWNSHIP

**LANGMUIR**  
 M.N.R. ADMINISTRATIVE DISTRICT  
**TIMMINS**  
 MINING DIVISION  
**PORCUPINE**  
 LAND TITLES / REGISTRY DIVISION  
**COCHRANE**

Ministry of Land Management  
 Natural Resources Branch  
 Ontario

Date MARCH, 1985 Number G-3226  
 29980



MAP SYMBOLOLOGY

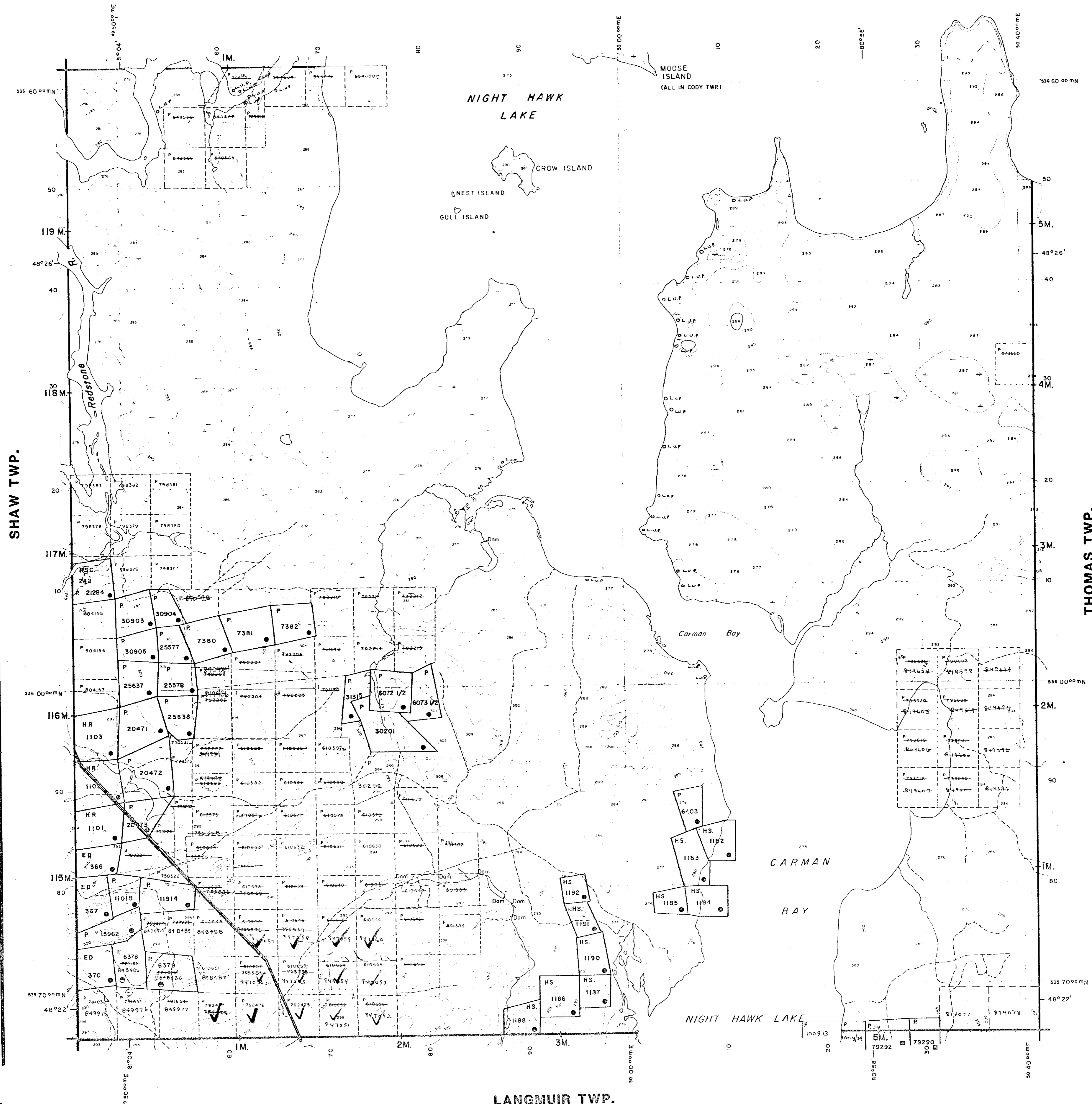
Aerial Cableway	Pipeline
Boundary	Railroad
District, Township	Single Track
Interlocking	Double Track
Approved	Proposed
Unapproved	Road
Proposed	Highway, County
Unproposed	Township
Proposed	Access Road of doubtful
Unproposed	existence or
Proposed	width, Base Road
Unproposed	(marked in 197)
Proposed	Rapids
Unproposed	Single line river
Proposed	with multiple rapids
Unproposed	Double line river
Proposed	with multiple rapids
Unproposed	Reservoir
Proposed	River, Stream, Canal
Unproposed	Approximate
Proposed	position
Unproposed	of flow
Proposed	Rock
Unproposed	significance
Proposed	Goal
Unproposed	Spot Elevation
Proposed	Height above sea level
Unproposed	300.0
Proposed	Tower
Unproposed	Transmission Line
Proposed	Pole
Unproposed	Structure
Proposed	Tunnel
Unproposed	Utility Poles
Proposed	Wharf, Dock, Pier
Unproposed	Wooded Area

AREAS WITHDRAWN FROM DISPOSITION

- M.R.O. - MINING RIGHTS ONLY
- S.R.O. - SURFACE RIGHTS ONLY
- M.+S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File

CODY TWP.



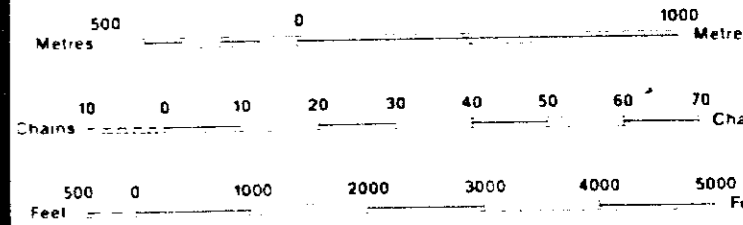
LEGEND

HIGHWAY AND ROUTE No.	
OTHER ROADS	
TRAILS	
SURVEYED LINES	
TOWNSHIPS, BASE LINES, ETC.	
LOTS, MINING CLAIMS, PARCELS, ETC.	
UNSURVEYED LINES	
LOT LINES	
PARCEL BOUNDARY	
MINING CLAIMS ETC.	
RAILWAY AND RIGHT OF WAY	
UTILITY LINES	
NON PERENNIAL STREAM	
FLOODING OR FLOODING RIGHTS	
SUBDIVISION OR COMPOSITE PLAN	
RESERVATIONS	
ORIGINAL SHORELINE	
MARSH OR MUSKEG	
MINES	
TRAVERSE MONUMENT	

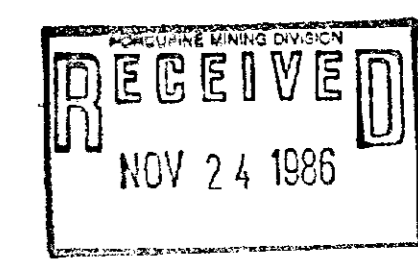
DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	
" SURFACE RIGHTS ONLY	
" MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	
ORDER IN COUNCIL	
RESERVATION	
CANCELLED	
SAND & GRAVEL	

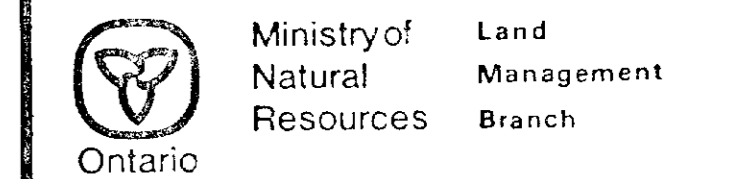
NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT, R.S.O. 1970, CHAP. 380, SEC. 63, SUBSEC. 1.



SCALE 1:20 000  
GRID ZONE: 17

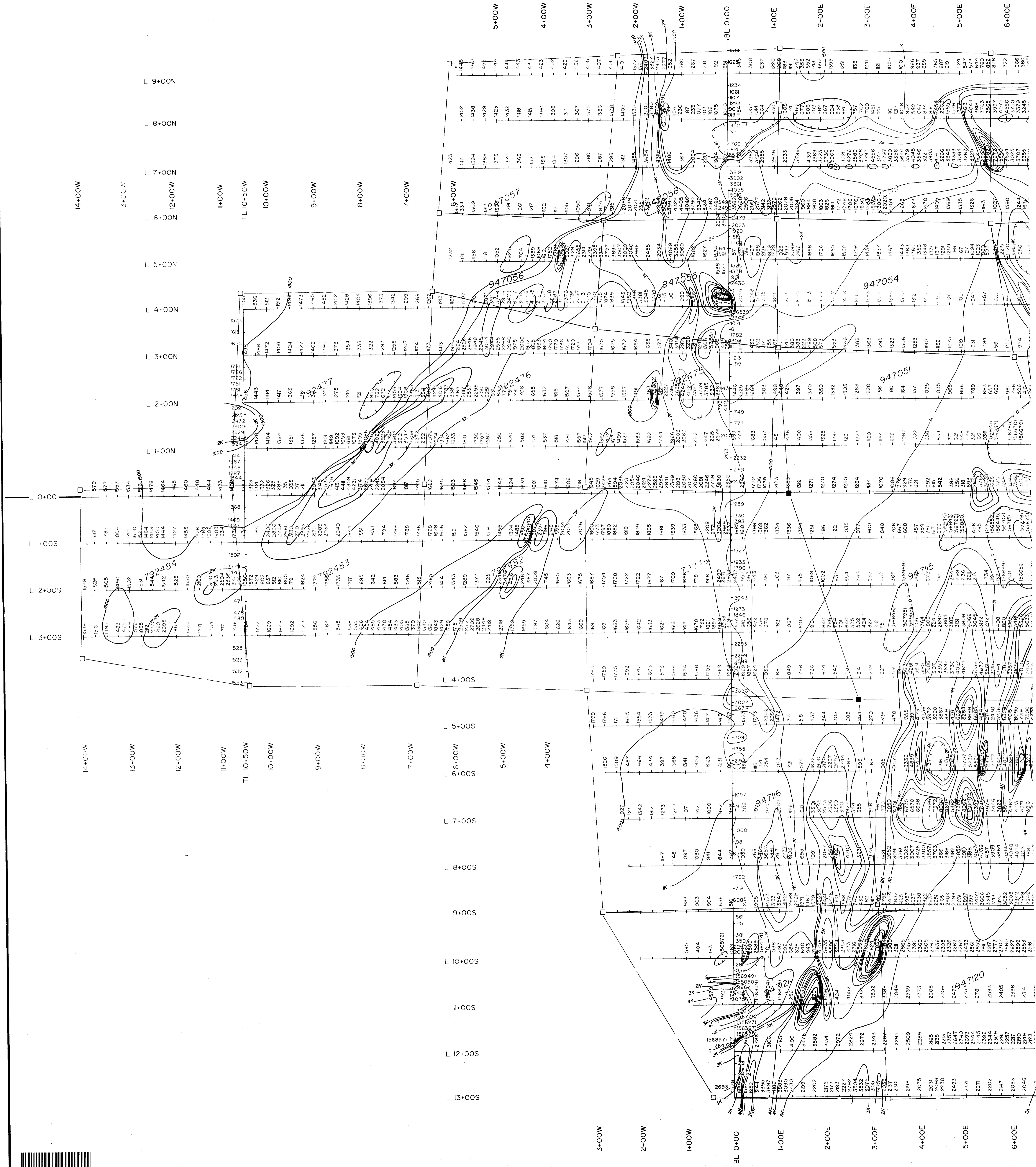


Rec'd Sun 23/85  
TOWNSHIP  
**CARMAN**  
M.N.R. ADMINISTRATIVE DISTRICT  
**TIMMINS**  
MINING DIVISION  
**PORCUPINE**  
LAND TITLES / REGISTRY DIVISION  
**COCHRANE**

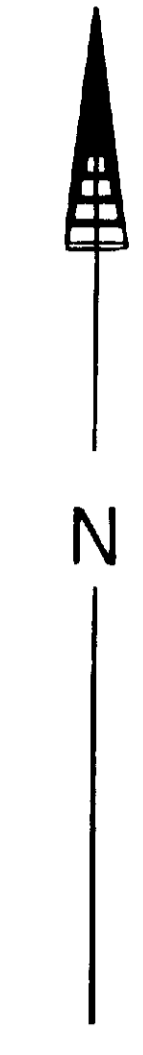
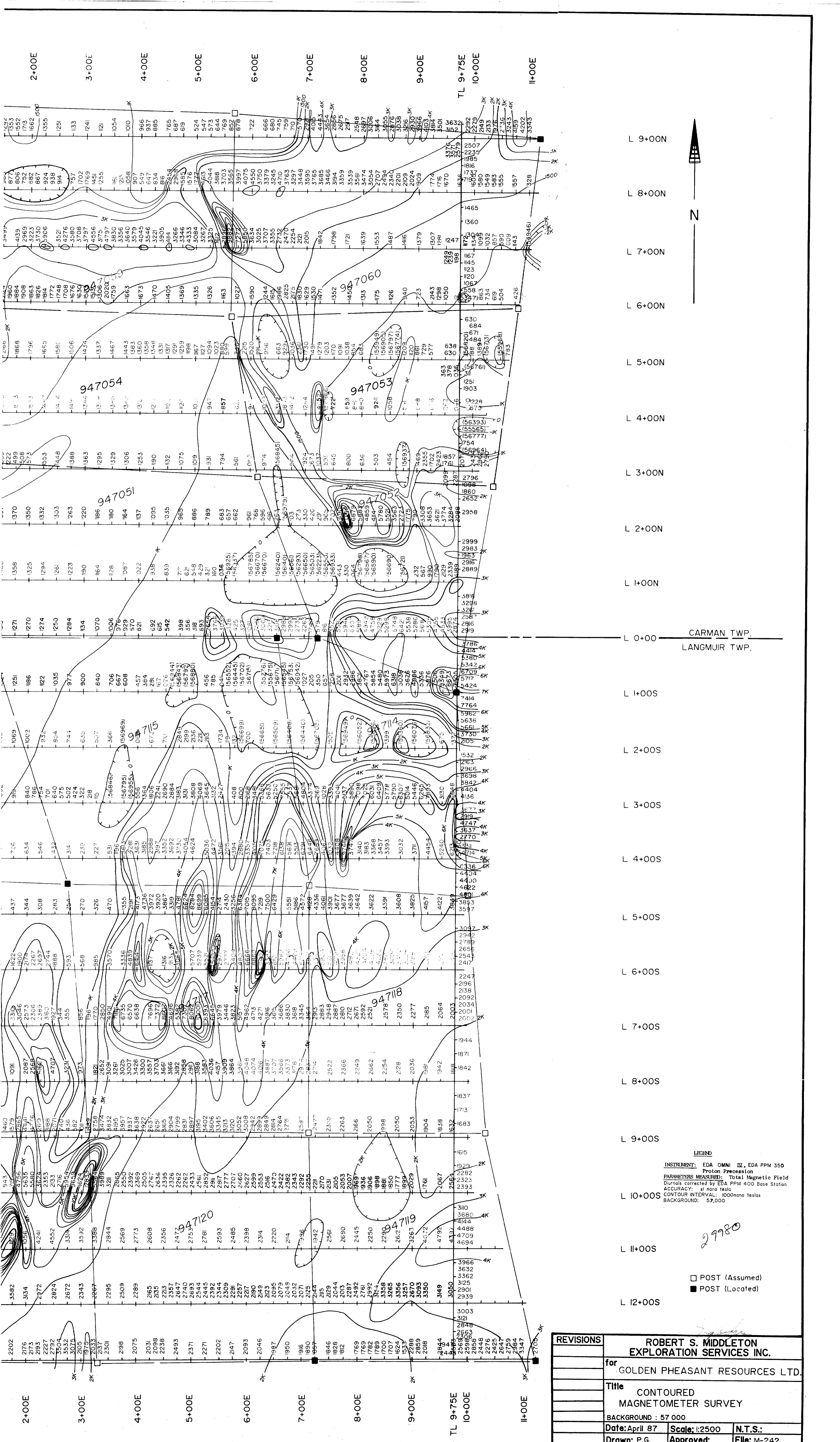


ORIGINAL COMPILATION JULY 1984  
REVISED 29980  
Number  
**G-4000**









CARMAN TWP.  
LANGMUIR TWP.

L 9+00N  
L 8+00N  
L 7+00N  
L 6+00N  
L 5+00N  
L 4+00N  
L 3+00N  
L 2+00N  
L 1+00N  
L 0+00  
L 1+00S  
L 2+00S  
L 3+00S  
L 4+00S  
L 5+00S  
L 6+00S  
L 7+00S  
L 8+00S  
L 9+00S  
L 10+00S  
L 11+00S  
L 12+00S

**LEGEND**  
 INSTRUMENT: EDA OMNI IV, EDA PPM 350  
 Proton Precession  
 PARAMETERS MEASURED: Total Magnetic Field  
 Diurnal corrected by EDA PPM 400 Base Station  
 ACCURACY: ±1 nano Tesla  
 CONTOUR INTERVAL: 1000 nano Teslas  
 BACKGROUND: 57,000

□ POST (Assumed)  
 ■ POST (Located)

2980

<b>REVISIONS</b>		<b>ROBERT S. MIDDLETON EXPLORATION SERVICES INC.</b>	
for		GOLDEN PHEASANT RESOURCES LTD.	
Title		CONTOURED MAGNETOMETER SURVEY	
BACKGROUND :		57 000	
Date:	April 87	Scale:	1:2500
Drawn:	P.G.	Approved:	N.T.S.:
		File: M-242	