010

RESULTS OF GEOPHYSICS

SYLVANITE LAKE PROPERTY

DENYES TWP., PORCUPINE MINING DIVISION

ONTARIO, CANADA

BY

DANIEL F. PATRIE

EXPLORATION GEOPHYSICS CONSULTANT

MAY 12, 1989

LIST OF CONTENTS

INTRODUCTION

An old gold prospect situated in the Swazee greenstone belt south-west of Timmins, Ontario, was perceived to offer good exploration potential due to the evidence of mineral veining and alteration in the vicinity of Sylvanite Lake, discovered by the Patrie brothers in the spring of 1988. After staking a block of 45 claims and acquiring finance, the property was mapped in full and systematically surveyed by geophysics.

The optained geophysical results form the basis for this reporting. The evaluation is undertaken in conjunction with the known geology in the vicinity of Sylvanite Lake.

DESCRIPTION OF PROPERTY

The property in question is composed of fourty (45) contiguous unpatented claims, all of 40 acres each, forming a coherent block in the end of Denyes Twp., in Sylvanite Lake area, Porcupine Mining Division. The specific claims are: 960491 - 960515 inclusive
993832 - 993839 inclusive
994536 - 994547 inclusive

The claims are registered in the names of Jean-Paul Patrie, Algoma Mills, Ontario, POR 1AO, and Daniel Patrie, Massey, Ontario POP 1PO.

Approximately 6 claims are covered by Sylvanite Lake which extends to the east and west at the top north end of the claim block.

Around the lake the terrain comprises of a mixture of small cedar swamps and small hills, with the latter forested with a mixture of pine and poplar trees. A scatter of small outcrops appear to the south of clims.

Access to the property is best by float or ski plane to Sylvanite Lake from Chapleau Ontario. The Thessalon Chapleau road passes approximately 30 miles to the West. The main C.P. trans-continental rail-line lies approimately 10 miles to the south.

DETAILS OF SURVEY:

On grid lines prepared for gradient, v.l.f. and magnetic surveys have been conducted over all of the 45 claims.

The linecutting, picketing and chaining essential to the grid preperation was under contract by (Dan Patrie Expl. Ltd) A base-line oriented 117 degrees with one sub-bl controlled a grid of north-south parallel lines of 1oo feet apart. The geophysics readings were at 100 foot intervals throughout the survey.

The v.l.f. survey was taken utilizing the primary (24.0 KHZ) transmission of NAA located at Cutler, Maine USA. Observations of the in-phase and quadrature components of the secondary field were carried out using an E.D.A. VLF/MAG OMNI PLUS instrument properly tuned. The on-line reading interval was 100 feet throughout the whole grid.

The magnetic readings were taken at 100 foot intervals. The E.D.A. VLF/MAG OMNI PLUS was also used for supplying a measure and store the magnitude of the earth's magnetic field independent of it's direction to a sensitivity of 0.2 gammas. Corrections for diurnal drift by setting up a base station. Final values are estimated to be accurate within +- 5 gammas overall.

The gradiometer readings were also taken at 100 foot intervals and plotted.

All data, after the necessary processing and editing have been plotted and included in this report.

DISCUSSION OF RESULTS:

A. MAG

From the mag data collected on the entire grid,there proves to be many areas of interest.There appears to be a major magnetic system with response levels 100 to 1200 gammas above the background to the North East of the claim block. Intervening is an outcropping quarts viening and carbonatization documented in the no.2 showing.

B. GRADIENT

The gradient anomolies which should be looked at in more detail, correspond with the mag.

C. V.L.F.

There exists considerable V.L.F. response in the area. From the data collected, there are 4 major targets outlined. No.1 at the fuchsite zone, no. 2 the middle of Sylvanite Lake, no.3 North shore of Sylvanite Lake, no.4 to the South East of no.2 gold showing.
With major sulphides found in the area, such as Au, chalcopyrite, arsenopyrite, and pyrite, which make the targets conductive and thereby easily detected with geophysics. There will have to be more work done on the grid to pick out priority targets.

CONCLUSIONS AND RECOMMENDATIONS:

Through the considerations of the present geophysical results in the consort of the outcrop geology, it is possible to reach the conclusion that the mineral possibilities of the group of 45 claims reside along the 4 most likely geophysical targets , which are: no.1 on line 28W. to 20W. at38 S. TO 45S. no.2 on lines 28E to 32E. at 32S. no.3 lines 8W TO 16W at 200 south of base line, which is situated in the middle of Sylvanite Lake. No.4 on lines 4S and 8S. at 8S.

With the many geophysical targets on the property, to verify any massive sulphides, I recommend horizontal loop (max-min) with a cable length Of 400 feet with 2 freqencies being used.

A detail five level dipole-dipole induced polarization setups having an a spacing of 50 feet is recommended over selected targets.

Also, a geochem survey with samples assayed and plotted covering all of grid.

From this program drill targets can be obtained and a drill program outlined.

APPENDIX

PROPERTY:

Sylvanite Property, Swazee Area

ASSESSMENT INFORMATION

No. of claims: 45
Location: Denyes Twp., Porcupine Mining Division, Ontario.

Line-cutting & chaining, and Geophysics ..... 45 Miles

Dates of Field Operation: August to December, 1988

Contractor: Line Cutting, Geophysics, Data Processing
Interpretation and Reporting:
Dan Patrie Exploration Ltd.
P.O. Box 45 Massey, Ontario
POP 1PO

Personnel: i) Grid Preperation

- contract crew of (6)

ii) Geophysics Surveys

- D. Patrie, B. Patrie

iii) Data Processing, Presentation, Interpretation and Reporting

- D. Patrie

CERTIFICATE OF QUALIFICATIONS

I, Daniel Francis Patrie do hereby certify:

1. that I am a geological engineering technologist and reside at highway 17 W. Massey, Ontario, POP 1PO,

2. that I graduated from Cambrian College in Geological Engineering in 1987,

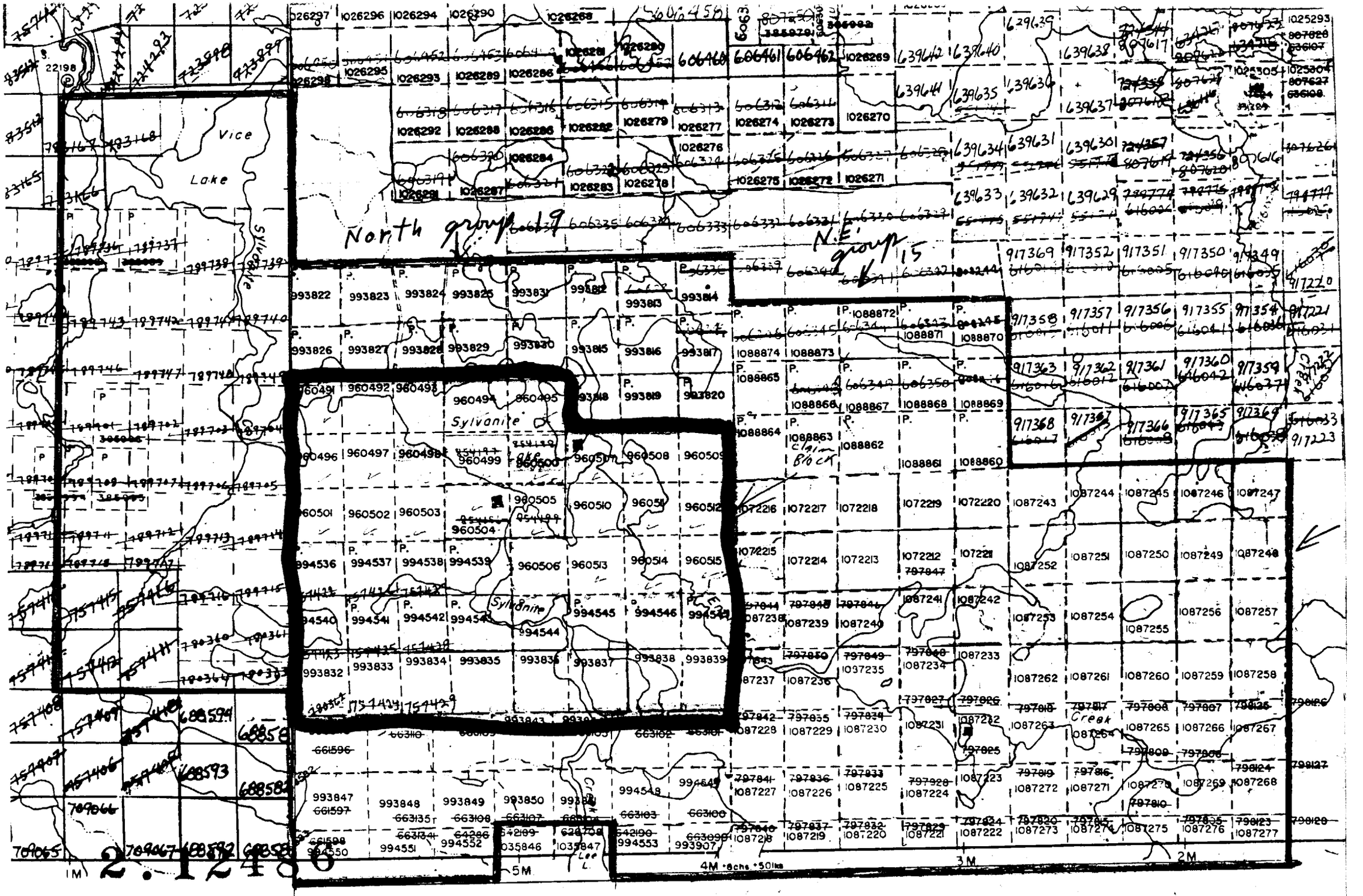
3. that I have practised my profession continuously since,

4. that I have been prospecting since 1972.

5. that my report on the Sylvanite Patrie property is based on my personnel knowledge of the geology and geophysics data of the area on the 45 claim block and on a review of published and unpublished information on the property and surronding area.

D.F.PATRIE
GEOLOGY ENGINEERING TECHNOLOGIST

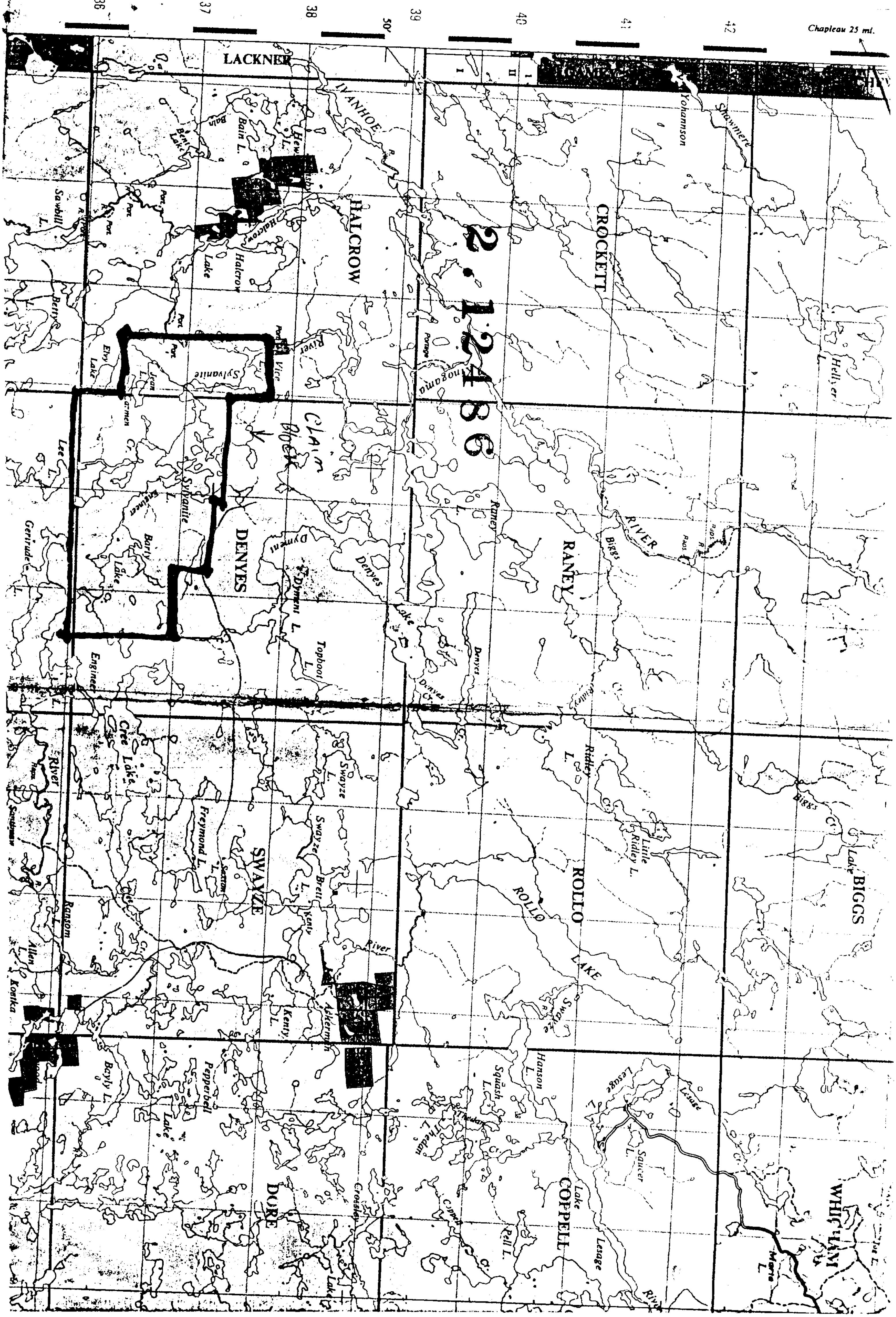
D Patrie



2.12486

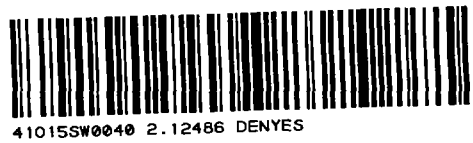
North group 19

Greenlaw Twp. - M.895



Chapleau 25 mi.
36
37
38
50'
39
40
41
42
LACKNER
IVANHOE
HALCROW
CROCKETT
2.12486
Claim Block
DENYES
RANEY
SWAYZE
ROLLO
BIGGS
DORE
COPPELL
Sylvanite
Engineer
Gertrude L.
Cree Lake
Freymond L.
Pepperbell Lake
Bayly L.
Ransom
Allen L.
Konika
Dyment L.
Topboot L.
Denyes Lake
Swayze L.
Ackerman
Kenty L.
Rollo Lake
Little Ridley L.
Ridley L.
Biggs
Hanson L.
Squash L.
Saucer L.
Lesage
Pell L.
Yohannson
Shawmere
Hellyer L.
Halcrow Lake
Bain L.
Sawbill L.
Berry L.
Lee L.
Carmen Cr.
Jean L.
Vice
Elvy Lake

Ontario



900

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Mining Lands Section
880 Bay Street, 3rd Floor
Toronto, Ontario
M5S 1Z8

Telephone: (416) 965-4888

September 19, 1989

Your File: W8906-224,226,267
Our File: 2.12486

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

Dear Sir:

Re: Notice of Intent dated August 16, 1989 for Geophysical (Magnetometer, and Electromagnetic) Survey submitted on Mining Claims L 994536 et al in Denyes Township.

The assessment work credits, as listed with the above-mentioned Notice of Intent, have been approved as of the above date.

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

Yours sincerely,

W.R. Cowan
Provincial Manager, Mining Lands
Mines & Minerals Division

RM
RM:eb
Enclosure

cc: Mr. G.H. Ferguson
Mining and Lands Commissioner
Toronto, Ontario

Resident Geologist
Timmins, Ontario

Jean P. Patrie
P.O. Box 105
Algoma Mills, Ontario
P0R 1A0

Dan Patrie
P.O. Box 45
Massey, Ontario
P0P 1P0

Ministry of Northern Development and Mines
Ontario

Technical Assessment Work Credits

File: 2.12486

Date: August 16, 1989

Mining Recorder's Report of Work No.: W8906-226

Recorded Holder: DANIEL F. PATRIE

Township or Area: DENYES TOWNSHIP.

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	P 994536 to 547 incl.
Electromagnetic 32 days	
Magnetometer 18 days	
Radiometric ____ days	
Induced polarization ____ days	
Other ____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological ____ days	
Geochemical ____ days	
Man days ☐ Airborne ☐	
Special provision ☒ Ground ☒	
☐ Credits have been reduced because of partial coverage of claims.	
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

Special credits under section 77 (16) for the following mining claims

No credits have been allowed for the following mining claims

☐ not sufficiently covered by the survey ☐ insufficient technical data filed

Note: Credits not allowed for Gradiometer Survey as derived from Magnetometer data.

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geological - 40; Geochemical - 40; Section 77(19) - 60.

Ministry of Northern Development and Mines

Ontario

Technical Assessment Work Credits

File: 2.12486

Date: August 16, 1989

Mining Recorder's Report of Work No.: W8906-224

Recorded Holder: JEAN P. PATRIE

Township or Area: DENYES TOWNSHIP.

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	P 960491 to 507 incl.
Electromagnetic 30 days	960509 to 515 incl.
Magnetometer 16 days	
Radiometric ____ days	
Induced polarization ____ days	
Other ____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological ____ days	
Geochemical ____ days	
Man days ☐ Airborne ☐	
Special provision ☒ Ground ☒	
☐ Credits have been reduced because of partial coverage of claims.	
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

Special credits under section 77 (16) for the following mining claims

No credits have been allowed for the following mining claims

☒ not sufficiently covered by the survey ☐ insufficient technical data filed

P 960508

Note: Credits not allowed for Gradiometer Survey as derived from Magnetometer data.

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geologocal - 40; Geochemical - 40; Section 77(19) - 60.

Ministry of Northern Development and Mines

Ontario

Technical Assessment Work Credits

File: 2.12486

Date: August 16, 1989

Mining Recorder's Report of Work No.: W8906-267

Recorded Holder: DANIEL F. PATRIE

Township or Area: DENYES TOWNSHIP.

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	P 993832 to 839 incl.
Electromagnetic 33 days	
Magnetometer 17 days	
Radiometric ____ days	
Induced polarization ____ days	
Other ____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological ____ days	
Geochemical ____ days	
Man days ☐ Airborne ☐	
Special provision ☒ Ground ☒	
☐ Credits have been reduced because of partial coverage of claims.	
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

Special credits under section 77 (16) for the following mining claims

No credits have been allowed for the following mining claims

☐ not sufficiently covered by the survey ☐ insufficient technical data filed

Note: Credits not allowed for Gradiometer Survey as derived from Magnetometer data.

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geological - 40; Geochemical - 40; Section 77(19) - 60.

Page 1

May 27

Ministry of Natural Resources
Ontario

Report of Work
(Geophysical, Geological, Geochemical and Expenditures)

DOCUMENT No. W8906.2214

The Mining Act

Instructions: – Please type or print.
– If number of mining claims traversed exceeds space on this form, attach a list.
Note: – Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
– Do not use shaded areas below.

Type of Survey(s): Geophysical

Township or Area: Denyes Twp.

Claim Holder(s): Jean P Patrie 2.12486

Prospector's Licence No.: C-29877

Address: P.O. Box 105 Algoma Mills Ont. P0R 1A0

Survey Company: Dan Patrie Exploration

Date of Survey (from & to): 1 Day | 8 Mo. | 88 Yr. | 30 Day | 12 Mo. | 88 Yr.

Total Miles of line Cut: 48 mi

Name and Address of Author (of Geo-Technical report): Dan Patrie Box 45 Massey On P0P 1P0

Credits Requested per Each Claim in Columns at right

Special Provisions		Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	Geophysical - Electromagnetic	40
	- Magnetometer	20
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other Gradient	20
	Geological	
	Geochemical	
Man Days		**Days per Claim**
Complete reverse side and enter total(s) here	Geophysical	
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Airborne Credits		**Days per Claim**
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

RECORDED APR - 7 1989

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
P.		
	960491	
	960492	
	960493	
	960494	
	960495	
	960496	
	960497	
	960498	
	960499	
	960500	
	960501	
	960502	
	960503	
	960504	
	960505	
	960506	
	960507	
	960508	
	960509	
	960510	
	960511	
	960512	

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
	960513	
	960514	
	960515	

RECEIVED APR 2 1989 MINING LANDS SECTION

RECEIVED APR 7 1989

Total number of mining claims covered by this report of work: 45

Expenditures (excludes power stripping)

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.

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
2,000	April 7/89	
	Date Approved as Recorded	Branch Director
	See reverse statement!	

Date: April 4/89

Recorded Holder or Agent (Signature): J. P. Patrie

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 Certifying: Dan Patrie P.O. box 45. Massey ONT P0P 1P0

Date Certified: April 4/89

Certified by (Signature): Daniel Patrie

PAGE II

May 27

Ministry of Natural Resources
Ontario

Report of Work
(Geophysical, Geological, Geochemical and Expenditures)

DOCUMENT No. W 8906·225

The Mining Act 226

Instructions: – Please type or print.
– If number of mining claims traversed exceeds space on this form, attach a list.
Note: – Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
– Do not use shaded areas below.

Type of Survey(s): GEO PHYSICAL

Township or Area: BENYES TWP.

Claim Holder(s): DANIEL F PATRIE 2.12486

Prospector's Licence No.: C-32612

Address: BOX 45 MASSEY ONT. P0P 1P0

Survey Company: DAN PATRIE EXPLORATION

Date of Survey (from & to): 1 Day | 8 Mo. | 88 Yr. | 30 Day | 12 Mo. | 88 Yr.

Total Miles of line Cut: 48 mi.

Name and Address of Author (of Geo-Technical report): DAN PATRIE BOX 45 MASSEY ON P0P 1P0

Credits Requested per Each Claim in Columns at right

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

Man Days		Days per Claim
Complete reverse side and enter total(s) here	Geophysical	
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	

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

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.	Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
P					
	994536				
	994537				
	994538				
	994539				
	994540				
	994541				
	994542				
	994543				
	994544				
	994545				
	994546				
	994547				
	993832	*			
	993833	*			
	993834	*			
	993835	*			
	993836	*			
	993837	*			
	993838	*			
	993839	*			

RECEIVED
APR 21 1989
MINING LANDS

RECORDED
APR – 7 1989

RECEIVED
APR 7 1989
11:25 a.m.

* SURVEY COMMENCED PRIOR TO RECORDING OF CLAIMS SEE SECTION 76(1)

Total number of mining claims covered by this report of work: 20

SR

Expenditures (excludes power stripping)

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.

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
960	APRIL 7/89	
	Date Approved as Recorded	Branch Director
	See attached statement	

Date: April 4/89

Recorded Holder or Agent (Signature): Dan Patrie

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 Certifying: DAN PATRIE P.O. BOX 45 MASSEY ONT. P0P 1P0

Date Certified: Apr. 4/89

Certified by (Signature): Dan Patrie

Ministry of Northern Development and Mines
Ontario

Report of Work

(Geophysical, Geological, Geochemical and Expenditures)

Mining Act 212486

DOCUMENT No. W8906·267

Instructions:
- Please type or print. June 27
- If number of mining claims traversed exceeds space on this form, attach a list.

Note:
- Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
- Do not use shaded areas below.

Type of Survey(s): Line cutting & Geophysics

Township or Area: Denyes Twp.

Claim Holder(s): Daniel F. Patrie

Prospector's Licence No.: C-32612

Address: P.O. Box 45 Massey Ont. P0P 1P0

Survey Company: Dan Patrie Expl. Ltd.

Date of Survey (from & to): 21 8 88 | 30 12 88 (Day | Mo. | Yr. | Day | Mo. | Yr.)

Total Miles of line Cut: 45

Name and Address of Author (of Geo-Technical report): Dan Patrie P.O. Box 45 Massey Ont. P0P 1P0

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	40
	- Magnetometer	20
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other Gradient	20
	Geological	
	Geochemical	

Man Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	

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

Expenditures (excludes power stripping)

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.

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
S.	993832	
	993833	
	993834	
	993835	
	993836	
	993837	
	993838	
	993839	

Total number of mining claims covered by this report of work: 8

RECORDED MAY - 8 1989

RECEIVED MAY 15 1989 MINING LANDS SECTION

PORCUPINE MINING DIVISION RECEIVED MAY 8 1989 AM

Date	Recorded Holder or Agent (Signature)
MAY 4/89	Daniel Patrie

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
640	MAY 8/89	[signature] Mining Recorder
	Date Approved as Recorded: See reverse	Branch Director: Statements

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 Certifying: Dan Patrie P.O. Box 45 Massey Ont. P0P 1P0

Date Certified	Certified by (Signature)
MAY 4/89	Daniel Patrie

1362 (85/12)

Ministry of Northern Development and Mines

Ontario

Geophysical-Geological-Geochemical Technical Data Statement

File

TO BE ATTACHED AS AN APPENDIX TO TECHN
FACTS SHOWN HERE NEED NOT BE REPEATEI
TECHNICAL REPORT MUST CONTAIN INTERPRETATIOI

Type of Survey(s) Geophysics

Township or Area Denyes

Claim Holder(s) Daniel E. Patrie

Jean P. Patrie

Survey Company Dan Patrie Expl. Ltd.

Author of Report Dan Patrie

Address of Author P.O. Box 45, Massey Ont. P0P 1P0

Covering Dates of Survey August - December 1988
(linecutting to office)

Total Miles of Line Cut 46 miles

RECEIVED
MAY 17 1989
MINING LANDS SECTION

SPECIAL PROVISIONS
CREDITS REQUESTED

ENTER 40 days (includes line cutting) for first survey.

ENTER 20 days for each additional survey using same grid.

	DAYS per claim
Geophysical	
-Electromagnetic	40
-Magnetometer	20
-Radiometric	
-Other Gradient	20
Geological	
Geochemical	

AIRBORNE CREDITS (Special provision credits do not apply to airborne surveys)

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: May 12/89 SIGNATURE: Daniel E Patrie
Author of Report or Agent

Res. Geol. _____ Qualifications 2.12115

Previous Surveys

File No.	Type	Date	Claim Holder

TOTAL CLAIMS 45

OFFICE USE ONLY

837 (85/12)

960511
960512
960513
960514
960515 ✓
993832 ✓
993833 ✓
993834 ✓
993835 ✓
993836 ✓
993837 ✓
993838 ✓
993839 ✓
994536
994537
994538
994539
994540
994541
994542
994543
994544
994545
994546
994547

SELF POTENTIAL

Instrument _____ Range _____

Survey Method _____

_____

Corrections made _____

_____

RADIOMETRIC

Instrument _____

Values measured _____

Energy windows (levels) _____

Height of instrument _____ Background Count _____

Size of detector _____

Overburden _____

(type, depth – include outcrop map)

OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)

Type of survey Gradient

Instrument E. D. A. OMNI - PLUS MAG/GRAF

Accuracy +- .2

Parameters measured _____

_____

Additional information (for understanding results) _____

_____

_____

AIRBORNE SURVEYS

Type of survey(s) _____

Instrument(s) _____

(specify for each type of survey)

Accuracy _____

(specify for each type of survey)

Aircraft used _____

Sensor altitude _____

Navigation and flight path recovery method _____

_____

Aircraft altitude _____ Line Spacing _____

Miles flown over total area _____ Over claims only _____

GEOCHEMICAL SURVEY – PROCEDURE RECORD

Numbers of claims from which samples taken _____

Total Number of Samples _____

Type of Sample _____
(Nature of Material)

Average Sample Weight _____

Method of Collection _____

Soil Horizon Sampled _____

Horizon Development _____

Sample Depth _____

Terrain _____

Drainage Development _____

Estimated Range of Overburden Thickness _____

SAMPLE PREPARATION
(Includes drying, screening, crushing, ashing)

Mesh size of fraction used for analysis _____

General _____

ANALYTICAL METHODS

Values expressed in: per cent ☐
p. p. m. ☐
p. p. b. ☐

Cu, Pb, Zn, Ni, Co, Ag, Mo, As,-(circle)

Others _____

Field Analysis (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Field Laboratory Analysis

No. (_____ tests)

Extraction Method _____

Analytical Method _____

Reagents Used _____

Commercial Laboratory (_____ tests)

Name of Laboratory _____

Extraction Method _____

Analytical Method _____

Reagents Used _____

General _____

GEOPHYSICAL TECHNICAL DATA

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

Approximately 5 miles of B.L. & T-L not included

Number of Stations 2036 Number of Readings 2036

Station interval 100 Line spacing 400'

Profile scale 1:600

Contour interval Mag 100, Gradient 5, VLF 5

MAGNETIC

Instrument E.D.A OMNI-PLUS Mag/VLF

Accuracy – Scale constant -+.2

Diurnal correction method Base station

Base Station check-in interval (hours) 30 seconds

Base Station location and value Line 400, 900 S.

Ref field 60,000, Datum subt. 59,800 Gammas

ELECTROMAGNETIC

Instrument E.D.A OMNI-Plus Mag/VLF

Coil configuration

Coil separation

Accuracy +- .5

Method: ☑ Fixed transmitter ☐ Shoot back ☐ In line ☐ Parallel line

Frequency 240, Cutler Maine V.L.F.
(specify V.L.F. station)

Parameters measured in-phase, quadrature

GRAVITY

Instrument

Scale constant

Corrections made

Base station value and location

Elevation accuracy

INDUCED POLARIZATION
RESISTIVITY

Instrument

Method ☐ Time Domain ☐ Frequency Domain

Parameters – On time Frequency

– Off time Range

– Delay time

– Integration time

Power

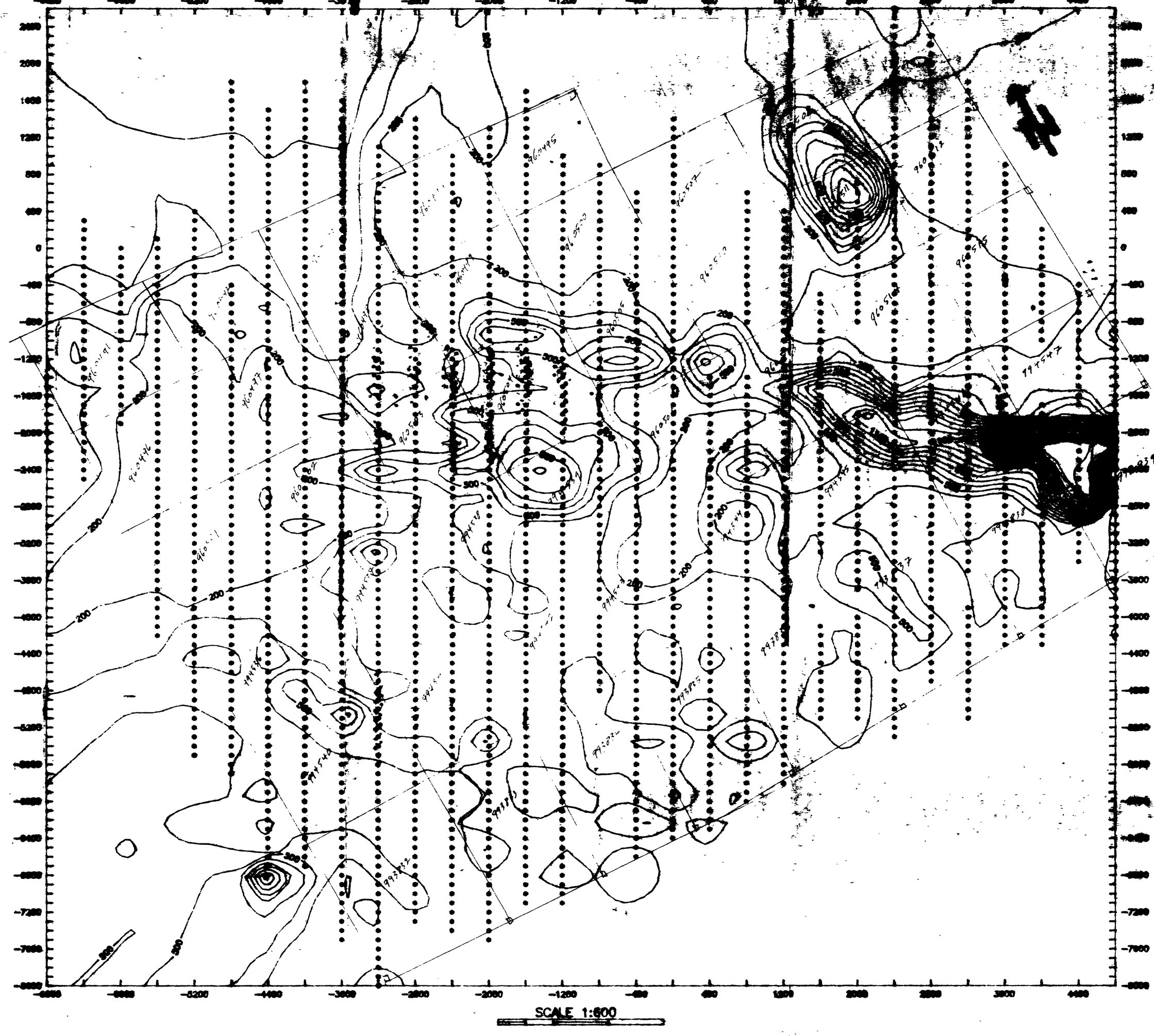
Electrode array

Electrode spacing

Type of electrode

2.12486

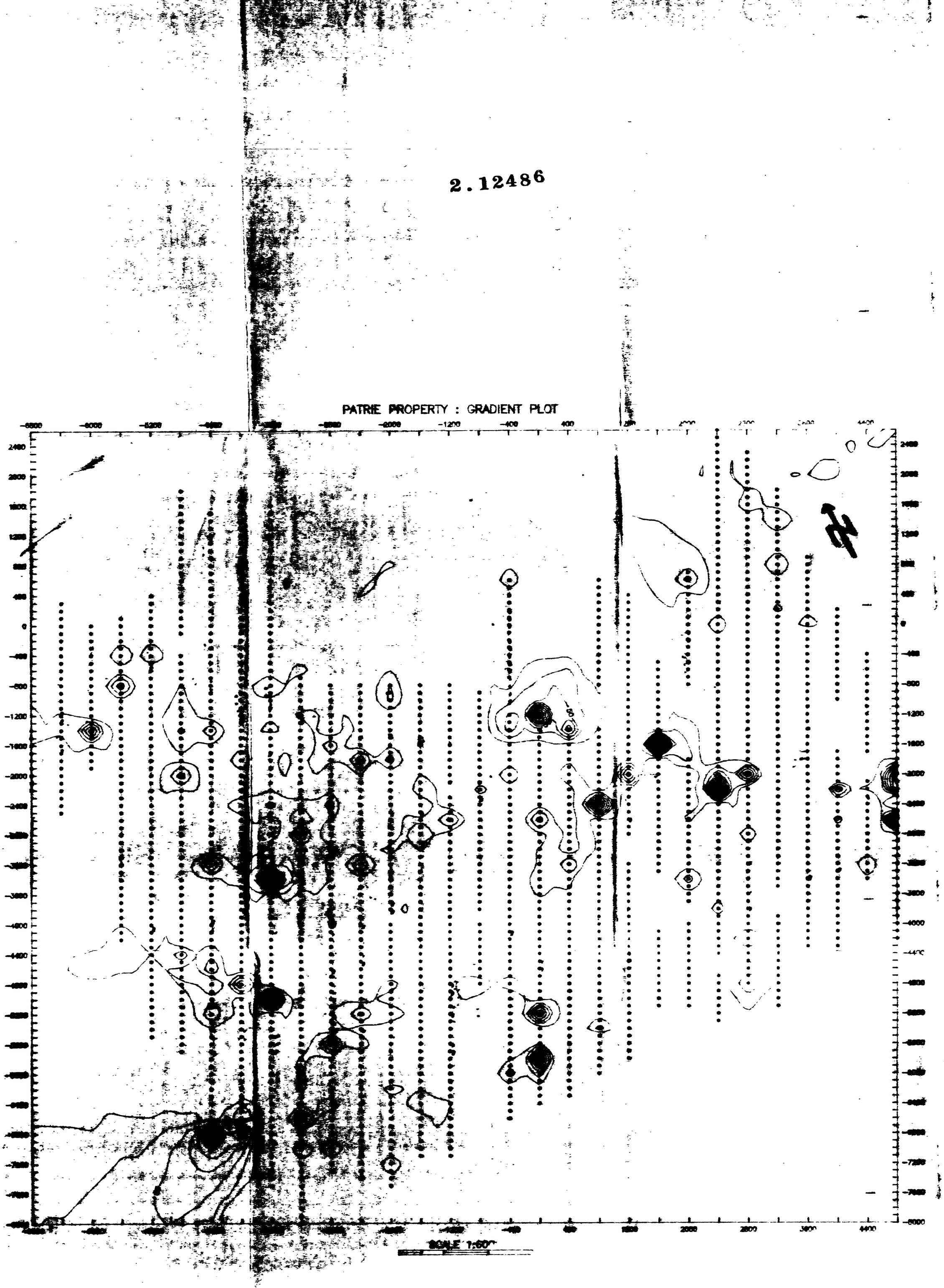
PATRIE PROPERTY : TOTAL FIELD MAGNETIC PLOT



SCALE 1:600

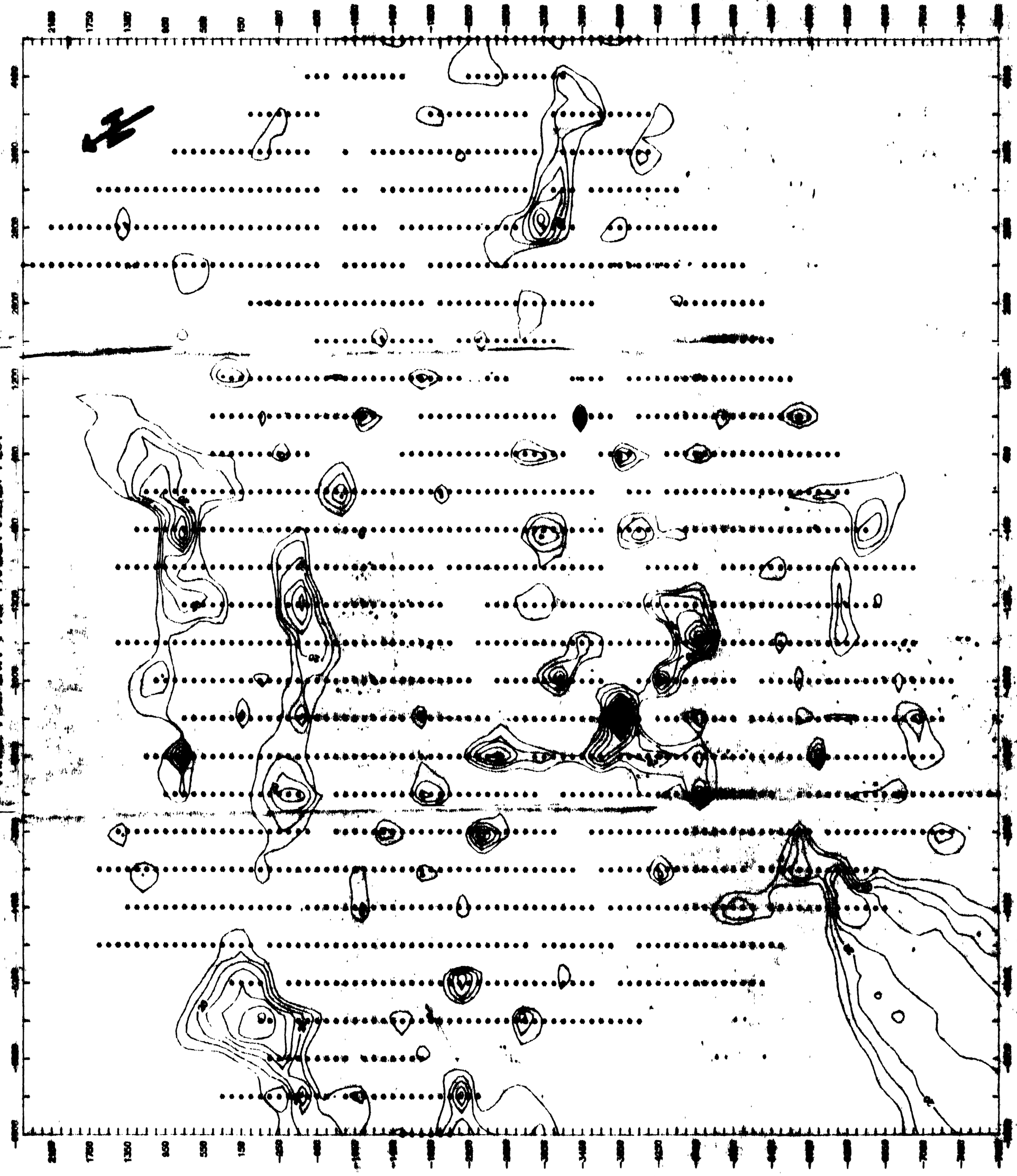
2.12486

PATRIE PROPERTY : GRADIENT PLOT



PHASE PERTURBATION - VLF FRASER FILTER PLOT

12.12.1986 OM 88-211



220