



410155E0057 2.10363 SWAYZE

010

REPORT

AIRBORNE GEOPHYSICAL SURVEY

ON THE PROPERTY OF

EMERALD ISLE RESOURCES INC.

SWAYZE TOWNSHIP, ONTARIO

BY

H. FERDERBER GEOPHYSICS LTD.

**RECEIVED**

SEP 21 1987

August 1987  
Val d'Or, Quebec

**MINING LANDS SECTION**

G.N Henriksen, B.Sc.  
Geologist

**REPORT ON THE  
AIRBORNE GEOPHYSICAL SURVEY  
ON THE PROPERTY OF  
EMERALD ISLE RESOURCES INC.  
SWAYZE TOWNSHIP, ONTARIO**

**INTRODUCTION**

On July 26, 1987 an airborne geophysical survey was carried out on the property of Emerald Isle Resources Inc. in Swayze Township, Ontario. Magnetic and VLF-electromagnetic data was collected by the airborne division of H. Ferderber Geophysics Ltd. The survey was flown from a base at Chapleau, Ontario. A total 51.6 miles of data was collected.

The magnetic survey provides information which helps define underlying geological structures and identifies any potential economic concentrations from variations in accessory magnetic minerals. The VLF-electromagnetic survey outlines conductive zones which may represent shear zones and/or metallic sulphide deposits containing gold mineralization.

**PROPERTY DESCRIPTION, LOCATION AND ACCESS**

The Emerald Isle Resources Inc. property is comprised of 22 claims in Swayze Township, Porcupine Mining Division, Ontario. The claim cover approximately 352 hectares as two claim blocks. The north block consists of 16 claims in the northeast corner of the township and the south block consists of 6 claims in the central east part of the township. The claims are registered with the Ontario Mining Recorder's Office at Timmins and are listed in Appendix I.

The claim blocks are located approximately 58.3 km (35 miles) east of the town of Chapleau, 48.3 km (29 miles) south of the village of Palomar, 50 km (30 miles) south-southwest of the town of Foleyet and 28.3 km (17 miles) north-northwest of the village of Sultan.

Access to the south claim block can be obtained by taking a road north from the village of Sultan northward about 28 km where the western boundary of the claim block is reached. The road continues northward, traversing the northeast corner of the claim block and ends about 0.4 km (0.25 mile) south of the southern boundary of the north claim block.

Access can also be obtained by float/ski plane from Chapleau to Brett Lake on the northern claim block.

#### GEOLOGY

The Ontario Department of Mines Geological Compilation Map 2116 Chapleau-Foleyet Sheet is used to infer the geology. Over 98% of the north block is indicated to be underlain by acid volcanic rocks and 2% by intermediate and basic volcanics. One third of south block is thought to be underlain by acid volcanic, which lie on the western part of the claim block and 67% by basic and intermediate volcanic rock on the east part of the claim block.

A north-northwest trending sinistral fault traverses the claim block from the middle of the southern boundary to its northwest corner. It separates the acid volcanics rocks from the basic and intermediate volcanic rocks, and shows a displacement of about 0.5 miles. Two gold occurrences lie along strike of the fault approximately 5 miles and 6 miles north of the property. The fault lies immediately west of the southwest corner of the northern claim block.

The Denyes gold occurrence lies about 5 miles west of the south claim block and appears to be along strike of the geology. The area of the gold occurrence is underlain by an east striking fold belt of Early Precambrian mafic to felsic metavolcanics, with minor interbedded metasediments (including iron formation). In the vicinity of the occurrence, massive to schistose rhyolitic metavolcanics contain small isolated bodies of clastic metasediments. The occurrence consists of small quartz veins carrying gold values.

Three gold occurrences lie north of and within 0.75 miles of the northeast corner of the northern claim block. These showings lie in intermediate to basic volcanic rocks. The southern showing, the McNeely-McCulloch gold prospect is situated about 2.0 miles east along geologic strike of the basic and intermediate volcanics thought to underly the northwest part of the claim block. The prospect area is underlain by an east-striking fold belt consisting of Early Precambrian mafic to felsic metavolcanics and small amounts of interbedded

metasediments. The showings consist mainly of narrow quartz-carbonate veins and stringers. These occupy fracture zones along the north edge of a feldspar prophyry body which is considered to be a phase of the felsic volcanic suite. Some of these showings reportedly gave moderately low gold values over narrow widths.

#### INSTRUMENTATION AND SURVEY METHODS

The survey was completed using a Cessna 172, fixed wing aircraft (CF-AAV) owned and operated by H. Ferderber Geophysics Ltd. It was piloted by P. Jevremovic of Val d'Or. The navigator/operator was M. Caron, also from Val d'Or. Geophysical sensors were mounted in modified wing tips. GEM-GSM-9 BA Overhauser Proton Precession Magnetometer and Herz Totem 2AG VLF-electromagnetic systems were used. The magnetometer has a resolution of 0.5 gammas, recorded on analogue tape. The VLF-EM measures the change in total field and vertical quadrature field on two channels simultaneously, with an accuracy of 1%. The data is then transferred to a printer. The transmitting station at Cutler, Maine, NAA, frequency 24.0 kilohertz was used.

The survey was conducted at an aircraft altitude of 250 feet above ground level. The altitude was measured with a Bonzer Mark 10 radar altimeter. A survey speed of approximately 100 miles per hour was used. Navigation was visual with reference to air photo mosaics at a scale of one inch to 1,320 feet. Lines flown in north-south directions at spacings of 440 feet were recovered from the photo mosaics. Manual fiducials were recorded simultaneously on the geophysical tapes and solid state memory.

#### DATA PRESENTATION

Flight lines, fiducial points and geophysical responses were reproduced from the air photo mosaics on maps at a scale of 1:15,840 (one inch to 1,320 feet). The outline of the claim group and claim map are shown on each sheet.

The aeromagnetic data was corrected for diurnal variations by using base lines as reference. The data was then reduced to a base level of 58,500 gammas, contoured at 25, and 100 gamma intervals and presented on map MG-1.

The VLF-EM data was transferred from the Totem 2AG memory to printed form. Base values were determined and the change in the total field strength as a percentage of the base values was calculated. These values were plotted on map EM-1. The positive values were contoured at intervals of 2%. The conductor axes were determined and numbered 1, 2, 3, etc. No priority was attached to the numbering system.

SURVEY RESULTS AND INTERPRETATION

Magnetic Survey Map MG-1

North Block

A steep northward climbing magnetic gradient lies in the northeast and northwest corners of the claim block. These areas have a strike and position which coincide roughly with the contact between basic and intermediate volcanic rock to the north and acid volcanic rock to the south.

The magnetic low anomalous area that covers the remainder of the claim block, trends east-west and probably represent underlying acid volcanic rocks.

South Block

The magnetic relief on the south blocks is relatively low, approximately 100 gammas. This block is probably underlain by relatively homogeneous rock with low magnetic susceptibility, intermediate to felsic metavolcanics. A north-northeast trending linear zone defined by a saddle in the northwest trending magnetic high and a point magnetic low anomaly, may represent a structural break.

VLF-Electromagnetic Survey Map EM-1

North Block

Conductive zone 1 is a long, continuous, east-west trending conductor in the northwest part of the claim block. It coincides with the southern shoulder of a magnetic high anomalous zone and a lake. It probably represents a conductor associated with a geologic contact.

Conductive zone 2 is a long, continuous, eastwest trending conductor in the southwest part of the claim block. It lies along strike in a magnetic low anomalous zone, has a strong electromagnetic response and along a linear arm of a lake. It may represent a structural break.

Conductive zone 3 is a discontinuous short northwest trending conductor located in the north central part of the property. It is situated over a lake and appears to crosscut magnetic contours at an oblique angle in a magnetic low anomalous zone. It may be the result of an electromagnetic gathering effect associated with the lake.

Conductor 4 is a long, continuous east-west trending conductor in the northeast part of the claim block. It's position coincides with the southern shoulder of a magnetic high anomalous zone and may represent a geologic contact similar to conductive zone 1.



### South Block

Conductive zone 5 is a short, discontinuous, northeast trending conductor. It lies near a saddle in a small weak northwest trending magnetic high anomalous zone and a presumed fault. It may represent a structural break, possibly a shear.

### CONCLUSIONS

The airborne VLF-electromagnetic and magnetic surveys were successful in outlining possible shear zones and helping define the underlying geology of the Emerald Isle Resources Inc. Property in Swayze Township, Ontario.

Rocks of high magnetic susceptibility underlie the northeastern and northwestern corners of the north block and are thought to be east-west striking basic and intermediate volcanic rocks. Rocks of low magnetic susceptibility underly the remainder of the north block, trend east-west and are considered to be acid volcanic rocks.

The results of the magnetic survey indicate that the south block is probably underlain by intermediate to felsic volcanic rocks exhibiting local variations in magnetic content.

The McNeely-McCulloch gold prospect lies 20 miles east of the northwest corner of the claim block along strike of geology in intermediate and basic volcanic rocks. North of the south block, along strike of the fault presumed to traverse the block, lies two gold occurrences.

Five conductive zones were outlined on the property. Of these conductive zones, zones 1, 2, 4, and 5 appear to be bedrock conductors.

Conductive zones 1 and 4 probably represent conductors related to geologic contacts. Conductive zones 2 and 5 may represent structural breaks.

#### RECOMMENDATIONS

Further work is warranted on the property especially in the areas of the above mentioned conductors and the area of the presumed fault on the south block. An exploration program of ground geophysics and geological mapping should be undertaken. A combined vertical gradient/total magnetic survey and horizontal loop-electromagnetic survey should be performed followed by an induced polarization survey over selected conductors and the south block.

Potentially interesting geological targets and geophysical anomalies should then be tested by diamond drilling.

Respectfully submitted,

H. FERDERBER GEOPHYSICS LTD.

*Gordon  
M  
Henriksen*

G.N. Henriksen, B.Sc.  
Geologist

APPENDIX I

Claim List

P 854570  
894009  
894010  
894011  
894012  
894013  
894522  
894523  
894524  
894525  
894526  
894527  
894528  
894560  
894569  
894570  
894895  
894896  
894897  
894898  
943272  
943273



Ministry of  
Natural  
Resources

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

167/c



410155E0057 2.10363 SWAYZE

900

WB706.167

The Mining Act

Do not use shaded areas below.

Type of Survey(s) <b>Airborne VLF and Magnetics</b>		Township or Area <b>Swayze Twp.</b>	
Claim Holder(s) <b>Emerald Isle Resources Inc.</b>		Prospector's Licence No. <b>T-1861</b>	
Address <b>106 Fielding Road, Lively, Ontario P0M 2E0</b>			
Survey Company <b>H. Ferderber Geophysics Ltd.</b>		Date of Survey (from & to) <b>26 07 87</b>   <b>26 07 87</b>	Total Miles of line Cut _____
Name and Address of Author (of Geo-Technical report) <b>R. Campbell, 169 Perreault Ave., Val d'Or, Quebec</b>			

Credits Requested per Each Claim in Columns at right

Mining Claims Traversed (List in numerical sequence)

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

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

Airborne Credits	Electromagnetic	Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	30
	Magnetometer	30
	Radiometric	—

Mining Claim			Mining Claim		
Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
P-	894522				
	894523				
	894524				
	894525				
	894526				
	894527				
	894528				
	894569				
	894560				
	894570				
	<del>854009</del>				
	<del>894009</del>				
	<del>854010</del>				
	<del>894010</del>				
	<del>854011</del>				
	<del>894011</del>				
	<del>854012</del>				
	<del>894012</del>				
	<del>854013</del>				
	<del>894013</del>				
	894570	Repeat			

RECEIVED

AUG 17 1987

MINING LANDS SECTION

RECORDED

JUL 29 1987

MINING DIVISION  
**RECEIVED**  
 Expenditures (excludes power stripping)  
 Work Performed  
**JUL 29 1987**  
 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.

Total number of mining claims covered by this report of work. **16**

Date **July 28/87** Recorded Holder or Agent (Signature) *[Signature]*

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
900	July 29/87	<i>[Signature]</i>
	Date Approved as Recorded	Branch Director
	16 Nov 87	<i>[Signature]</i>

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 named same during and/or after its completion and the annexed record is true.

Name and Postal Address of Person Certifying  
**David W. Constable-Constable Consultants 10 Kingston Court,**  
**Sudbury, Ontario P3A 1C9**

Date Certified **July 28/87** Certified by (Signature) *[Signature]*

#170/87

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.

Sept 17.

2.10363

The Mining Act

Type of Survey(s): Airborne VLF Magnetics  
 Township or Area: Swayze Twp.  
 Claim Holder(s): Emerald Isle Resources Inc.  
 Prospector's Licence No.: T-1861  
 Address: 106 Fielding Road, Lively, Ontario POM 2E0  
 Survey Company: H. Ferderber Geophysics Ltd.  
 Date of Survey (from & to): 26 July 87 to 26 July 87  
 Total Miles of line Cut: \_\_\_\_\_  
 Name and Address of Author (of Geo-Technical report): R. Campbell, 169 Perreault Ave, Val d'Or, Quebec

Credits Requested per Each Claim in Columns at right

Mining Claims Traversed (List in numerical sequence)

Special Provisions	Geophysical	Days per Claim
G.N. Henriksen For first survey: Enter 40 days. (This includes line cutting)	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
For each additional survey: using the same grid: Enter 20 days (for each)	Geological	
	Geochemical	
Man Days	Geophysical	Days per Claim
Complete reverse side and enter total(s) here	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Airborne Credits	Electromagnetic	Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.		30
	Magnetometer	30
	Radiometric	

Mining Claims Traversed (List in numerical sequence)			Mining Claims Traversed (List in numerical sequence)		
Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
P-	894895				
	894896				
	894897				
	894898				
	943272				
	943273				

RECEIVED  
AUG 17 1987

MINING LANDS SECTION

RECORDED

JUL 29 1987

Expenditures (excludes power stripping)

Calculation of Expenditure Days Credits

Total Expenditures: \$ \_\_\_\_\_ + 15 = \_\_\_\_\_

Total Days Credits: \_\_\_\_\_

Total number of mining claims covered by this report of work. 6

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: 360

Date Recorded: July 29/87

Date Approved as Recorded: July 26/87

Mining Recorder: [Signature]

Branch Recorder: [Signature]

Date: July 28/87

Recorded Holder or Agent (Signature): [Signature]

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: David W. Constable, 10 Kingston Court, Sudbury, Ontario. P3A 1C9

Date Certified: July 28/87

Certified by (Signature): [Signature]

DOCUMENT No. W 8806.019 The Mining Act

2.10363

Mar. 11 119

Type of Survey(s) **Air borne VLF and Magnetics** Township or Area **Swayze Twp.**

Claim Holder(s) **Emerald Isle Resources Inc.** Prospector's Licence No. **T-1861**

Address **106 Fielding Road, Lively, Ontario POM 2E0**

Survey Company **H. Ferderber Geophysics Ltd.** Date of Survey (from & to) **26 Day | 07 | 87 | 26 Day | 07 | 87** Total Miles of line Cut **15.4**

Name and Address of Author (of Geo-Technical report) **R. Campbell, 169 Perreault Ave., Val d' Or, Quebec**

Credits Requested per Each Claim in Columns at right

Special Provisions <b>G.N. Hendriksen</b> For first survey: Enter 40 days. (This includes line cutting)  For each additional survey: using the same grid: Enter 20 days (for each)	Geophysical	Days per Claim
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Man Days  Complete reverse side and enter total(s) here	Geophysical	Days per Claim
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Airborne <b>MINING LANDS SECTION</b>  Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	30
	Magnetometer	30
	Radiometric	-

Mining Claims Traversed (List in numerical sequence)

Mining Claim		Expend. Days Cr.	Mining Claim		Expend. Days Cr.
Prefix	Number		Prefix	Number	
P	894522				
	894523				
	894524				
	894525				
	894526				
	894527				
	894528				
	894569				
	894560				
	894570				
	854009				
	854010				
	854011				
	854012				
	854013				
	854570				

RECEIVED  
MAR 07 1988

MINING LANDS SECTION

RECORDED  
JAN 21 1988

Total number of mining claims covered by this report of work. **16**

Expenditures (excludes power)

Type of Work Performed **RECEIVED**

Performed on Claim(s) **JAN 21 1988**

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 **60** Date Recorded **Jan 21 / 88** Mining Recorder *[Signature]*

Date Approved as Recorded **14 March 88** Branch Director *[Signature]*

Date **Jan. 14/88** Recorded Holder or Agent (Signature) *[Signature]*

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 **David W. Constable - Constable Consulting Inc. 10 Kingston Court Sudbury, Ontario P3A 1C9**

Date Certified **Jan. 14/88** Certified by (Signature) *[Signature]*







Ministry of  
Northern Development  
and Mines

Ontario

Ministère du  
Développement du Nord  
et des Mines

March 14, 1988

Our file: 2.10363  
Your file: W8806-19

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

Dear Sir:

Re: Airborne Geophysical (Electromagnetic & Magnetometer) Survey  
on Mining Claims P-854009, et al, in Swayze Township

The assessment work credits, as listed on the attached Report of Work, have been approved as recorded. Please disregard the approval dated November 16, 1987 (Report of Work #167/87).

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

Yours sincerely,

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

Whitney Block, Room 6610  
Queen's Park  
Toronto, Ontario  
M7A 1W3

DK:pl  
Enclosure

cc: Emerald Isle Resources Inc.  
106 Fielding Road  
Lively, Ontario  
POM 2E0

Resident Geologist  
Timmins, Ontario

Mr. David W. Constable  
Constable Consulting Inc.  
10 Kingston Court  
Sudbury, Ontario  
P3A 1C9

Mining Lands Section

File No 2.10363

Control Sheet

TYPE OF SURVEY  GEOPHYSICAL  
 GEOLOGICAL  
 GEOCHEMICAL  
 EXPENDITURE

MINING LANDS COMMENTS:

Steve Constable called Nov. 13<sup>th</sup>  
15.4 miles over claims Arthur.

ld.

Lead

Arthur Barr

Signature of Assessor

Nov. 13/87

Date



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

167/87  
210363  
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.

Sept. 17.

Type of Survey(s) <b>Airborne VLF and Magnetics</b>		Township or Area <b>Swayze Twp.</b>	
Claim Holder(s) <b>Emerald Isle Resources Inc.</b>		Prospector's Licence No. <b>T-1861</b>	
Address <b>106 Fielding Road, Lively, Ontario P0M 2E0</b>			
Survey Company <b>H. Ferderber Geophysics Ltd.</b>		Date of Survey (from & to) <b>26 07 87. 26 07 87.</b>	
Name and Address of Author (of Geo-Technical report) <b>R. Campbell, 169 Perreault Ave., Val d'Or, Quebec</b>			

Credits Requested per Each Claim in Columns at right

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

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

Airborne Credits	Geophysical	Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	30
	Magnetometer	30
	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.

Date <b>July 28/87</b>	Recorded Holder or Agent (Signature) <i>[Signature]</i>
---------------------------	--

Mining Claims Traversed (List in numerical sequence)

Mining Claim		Expend. Days Cr.	Mining Claim		Expend. Days Cr.
Prefix	Number		Prefix	Number	
P-	894522				
	894523				
	894524				
	894525				
	894526				
	894527				
	894528				
	894569				
	894560				
	894570				
	<del>854009</del>				
	<del>854010</del>				
	<del>854011</del>				
	<del>854012</del>				
	<del>894012</del>				
	<del>854013</del>				
	<del>894013</del>				
	894570 - Repeat				

**RECEIVED**  
**AUG 17 1987**  
**MINING LANDS SECTION**

**RECORDED**  
**JUL 29 1987**

Total number of mining claims covered by this report of work. **16**

For Office Use Only

Total Days Cr. Recorded <b>900</b>	Date Recorded <b>July 29/87</b>	Mining Recorder <i>[Signature]</i>
Date Approved as Recorded <b>16 Nov 87</b>	Branch Director <i>[Signature]</i>	Mining Recorder <i>[Signature]</i>

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 <b>David W. Constable-Constable Consultants 10 Kingston Court, Sudbury, Ontario P3A 1C9</b>		Date Certified <b>July 28/87</b>	Certified by (Signature) <i>[Signature]</i>
---	--	-------------------------------------	--



Ministry of  
Natural  
Resources  
Ontario

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

#170/87  
2.10363

Instructions: - Please type or print. **Sept 17.**  
- 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.

The Mining Act

Type of Survey(s) <b>Airborne VLF Magnetics</b>	Township or Area <b>Swayze Twp.</b>
Claim Holder(s) <b>Emerald Isle Resources Inc.</b>	Prospector's Licence No. <b>T-1861</b>
Address <b>106 Fielding Road, Lively, Ontario POM 2E0</b>	
Survey Company <b>H. Ferderber Geophysics Ltd.</b>	Date of Survey (from & to) <b>26 Oct. 87 26 Oct. 87</b>
Name and Address of Author (of Geo-Technical report) <b>R. Campbell, 169 Perreault Ave. Val d'Or, Quebec</b>	
Total Miles of line Cut _____	

Credits Requested per Each Claim in Columns at right

Special Provisions	Geophysical	Days per Claim
<b>G.N. Henriksen</b> For first survey: Enter 40 days. (This includes line cutting)  For each additional survey: using the same grid: Enter 20 days (for each)	Electromagnetic	
	Magnetometer	
	Radiometric	
	Other	
	Geological	
<b>Man Days</b>  Complete reverse side and enter total(s) here	Geophysical	Days per Claim
	Electromagnetic	
	Magnetometer	
<b>Airborne Credits</b>  Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	30
	Magnetometer	30
	Radiometric	—

Mining Claims Traversed (List in numerical sequence)

Mining Claim			Mining Claim		
Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
P-	894895				
	894896				
	894897				
	894898				
	943272				
	943273				
<b>RECEIVED</b>					
<b>AUG 17 1987</b>					
<b>MINING LANDS SECTION</b>					
<b>RECORDED</b>					
<b>JUL 29 1987</b>					

Expenditures (excludes power stripping)

Type of Work Performed  
POLYMER MAPPING DIVISION

**RECEIVED**  
**JUL 29 1987**

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 **July 28/87** Recorded Holder or Agent (Signature) *[Signature]*

For Office Use Only

Total Days Cr. Recorded **360** Date Recorded **July 29/87** Mining Recorder *[Signature]*

Date Approved as Recorded **16 Nov 87** Branch Recorder *[Signature]*

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  
**David W. Constable, 10 Kingston Court, Sudbury, Ontario. P3A 1C9**

Date Certified **July 28/87** Certified by (Signature) *[Signature]*

November 9, 1987

File: 2.10363

REGISTERED

Emerald Isle Resources Inc.  
106 Fielding Road  
Lively, Ontario  
POM 2E0

Dear Sirs:

Re: Airborne (Electromagnetic and Magnetometer) Survey  
submitted on Mining Claims P 894522 et al  
in the Township of Swayze

Enclosed is a copy of our letter dated October 8, 1987, requesting additional information for the above-mentioned survey.

Unless you can provide the required data by November 19, 1987, we will have no alternative but to assess the material on hand and grant assessment work credits accordingly.

For further information, please contact Arthur Barr at (416) 965-4888.

Yours sincerely,

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

Whitney Block, Room 6610  
Queen's Park  
Toronto, Ontario  
M7A 1W3

AB: pl  
Enclosure

cc: Mining Recorder  
Timmins, Ontario

H. Ferderber Geophysics Ltd.  
169 Perreault Ave.  
Val d'Or, Quebec  
J9P 2H1  
Attention: Mr. G.N. Henriken

October 8, 1987

Report of Work: 167,170  
File: 2.10363

Emerald Isle Resources Inc.  
106 Fielding Road  
Lively, Ontario  
POM 2E0

Dear Sir:

Re: Airborne (Electromagnetic and Magnetometer) Survey  
Submitted on Mining Claims P-894522, et al,  
in the Township of Swayze

In order to assess your submission of the above-mentioned survey,  
we require the actual number of miles flown over the claim group  
only.

When submitting this information, please quote our file  
number 2.10363.

For further information, please contact Arthur Barr at  
(416) 965-4888.

Yours very truly,

R.M. Charnesky (Mrs.)  
Acting Manager  
Mining Lands Section  
Mineral Development and Lands Branch  
Mines and Minerals Branch

Whitney Block, Room 6610  
Queen's Park  
Toronto, Ontario  
M7A 1W3

AB:pl

cc: Mining Recorder  
Timmins, Ontario

H. Ferderber Geophysics Ltd.  
169 Perreault Ave.  
Val d'Or, Quebec  
J9P 2H1  
Attention: Mr. G.N. Henriksen

September 21, 1987

Report of Work: 167,170/87

REGISTERED

Emerald Isle Resources Inc.  
106 Fielding Road  
Lively, Ontario  
POM 2E0

Dear Sir:

RE: Mining Claims P-894522 et al in the Township of Swayze

I have not received the reports and maps (in duplicate) for the Airborne Geophysical (Electromagnetic and Magnetometer) Survey on the above-mentioned claims.

As the assessment "Reports of Work" were recorded by the Mining Recorder on July 29, 1987 the 60 day period allowed by Section 77 of the Mining Act for the submission of the technical reports and maps to this office will expire on September 27, 1987.

If the material is not submitted to this office by September 28, 1987 we will have no alternative but to instruct the Mining Recorder to delete the work credits from the claim record sheets.

For further information, please contact Mr. Dennis Kinvig at (416) 965-4888.

Yours sincerely,

R.M. Charnesky (Mrs.)  
Acting Manager  
Mining Lands Section  
Mineral Development and Lands Branch  
Mines and Minerals Division

Whitney Block, Room 6610  
Queen's Park  
Toronto, Ontario  
M7A 1W3

DK:pl

cc: Mining Recorder  
Timmins, Ontario

Mr. R. Campbell  
169 Perreault Ave.  
Val d'Or  
Quebec

Mr. David W. Constable  
Constable Consultants  
10 Kingston Court  
Sudbury, Ontario  
P3A 1C9



















File no: 2.5002

	Em	May		Em	May			
P412388	✓	✓	412401	✓	/			
412389	✓	✓	02	✓	/			
90	✓	✓	Small ✓ 03	✓	/			
91	✓	/	04	✓	/			
92	✓	/	05	✓	/			
98	✓	/	06	✓	/			
99	✓	/	07	✓	/			
412400	✓	/						



Rollo Twp.

LEGEND

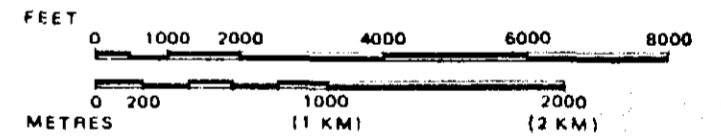
- HIGHWAY AND ROUTE No. 
- OTHER ROADS 
- TRAILS 
- SURVEYED LINES:
  - TOWNSHIPS, BASE LINES, ETC. 
  - LOTS, MINING CLAIMS, PARCELS, ETC. 
- UNSURVEYED LINES:
  - LOT LINES 
  - PARCEL BOUNDARY 
  - MINING CLAIMS ETC. 
- RAILWAY AND RIGHT OF WAY 
- UTILITY LINES 
- NON-PERENNIAL STREAM 
- FLOODING 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	OC
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 2.10363

SWAYZE

M.N.R. ADMINISTRATIVE DISTRICT

CHAPLEAU

MINING DIVISION

PORCUPINE

LAND TITLES / REGISTRY DIVISION

SUDBURY

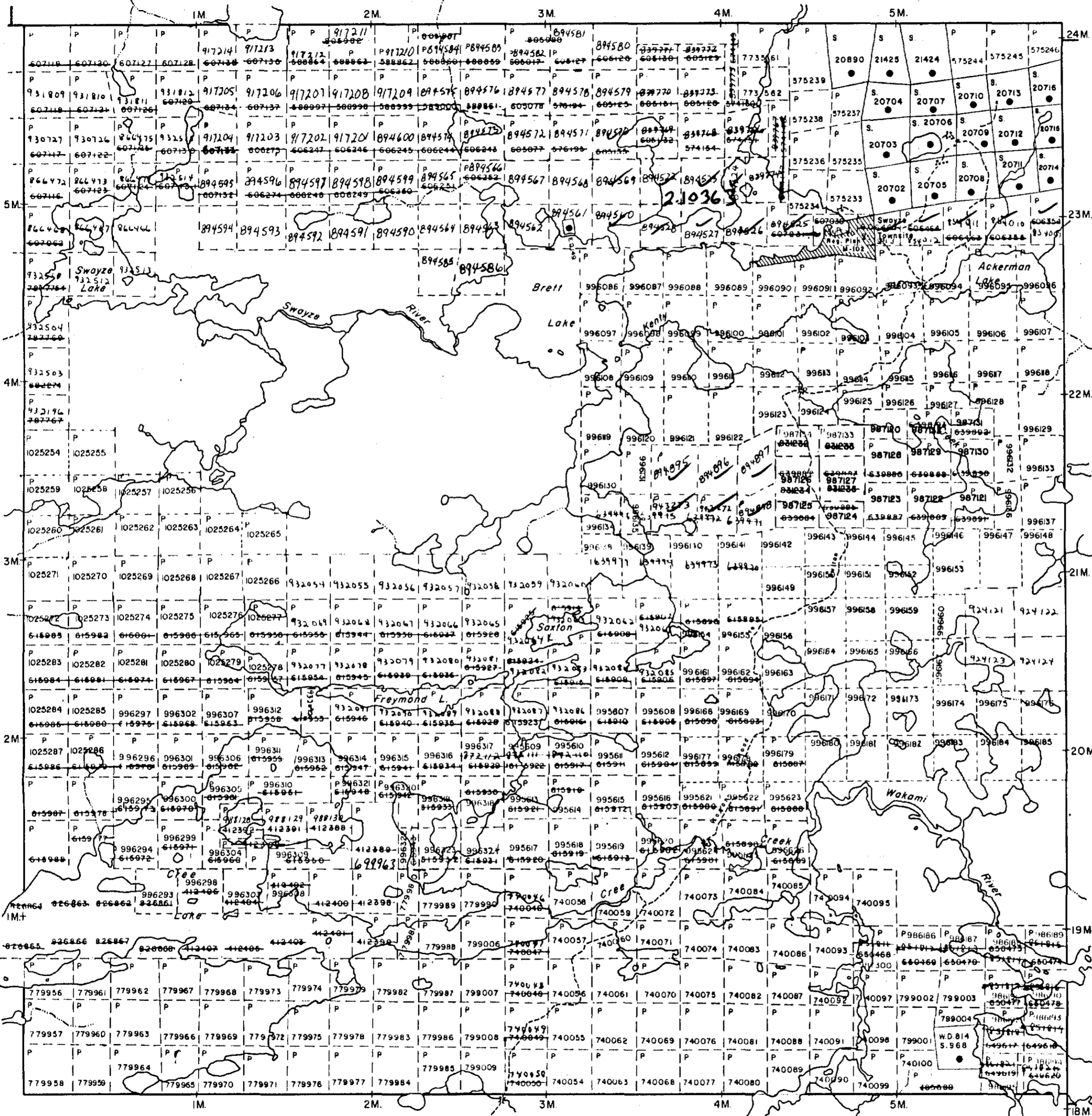


Ministry of Natural Resources  
 Land Management Branch

Date MARCH, 1985

Number

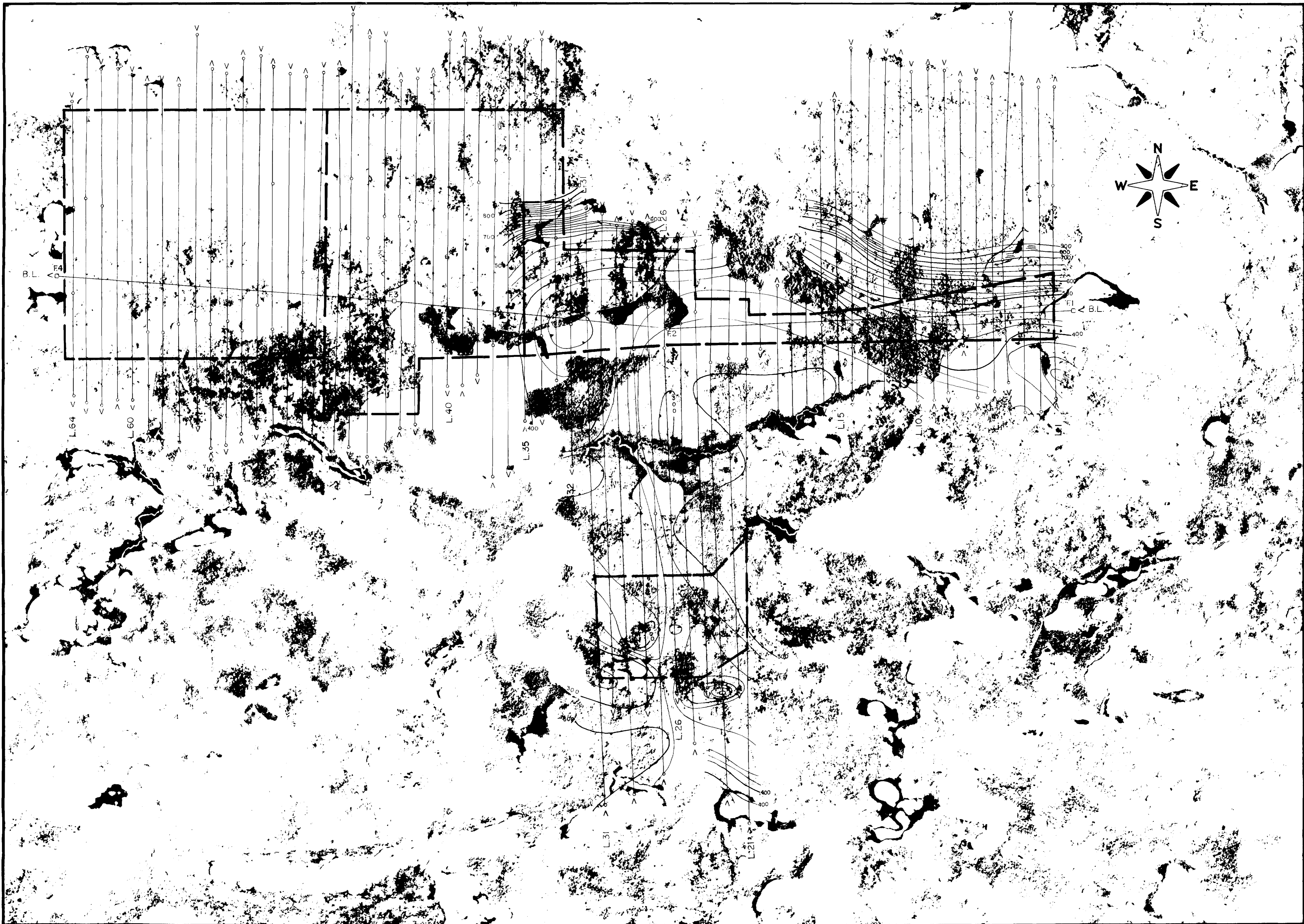
Chap. No.



Cunningham Twp.

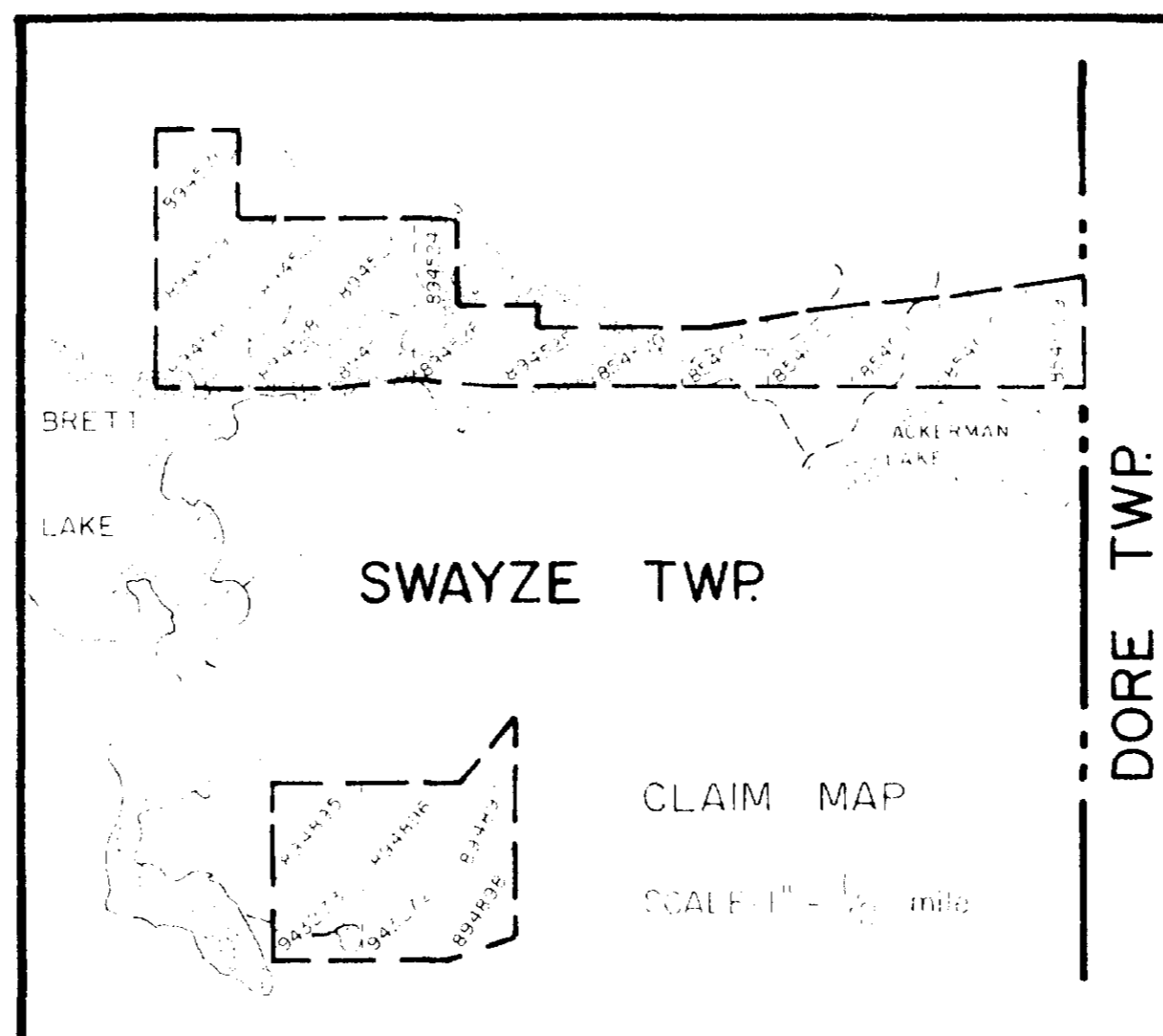


410155E057 2.10363 SWAYZE



**LEGEND**

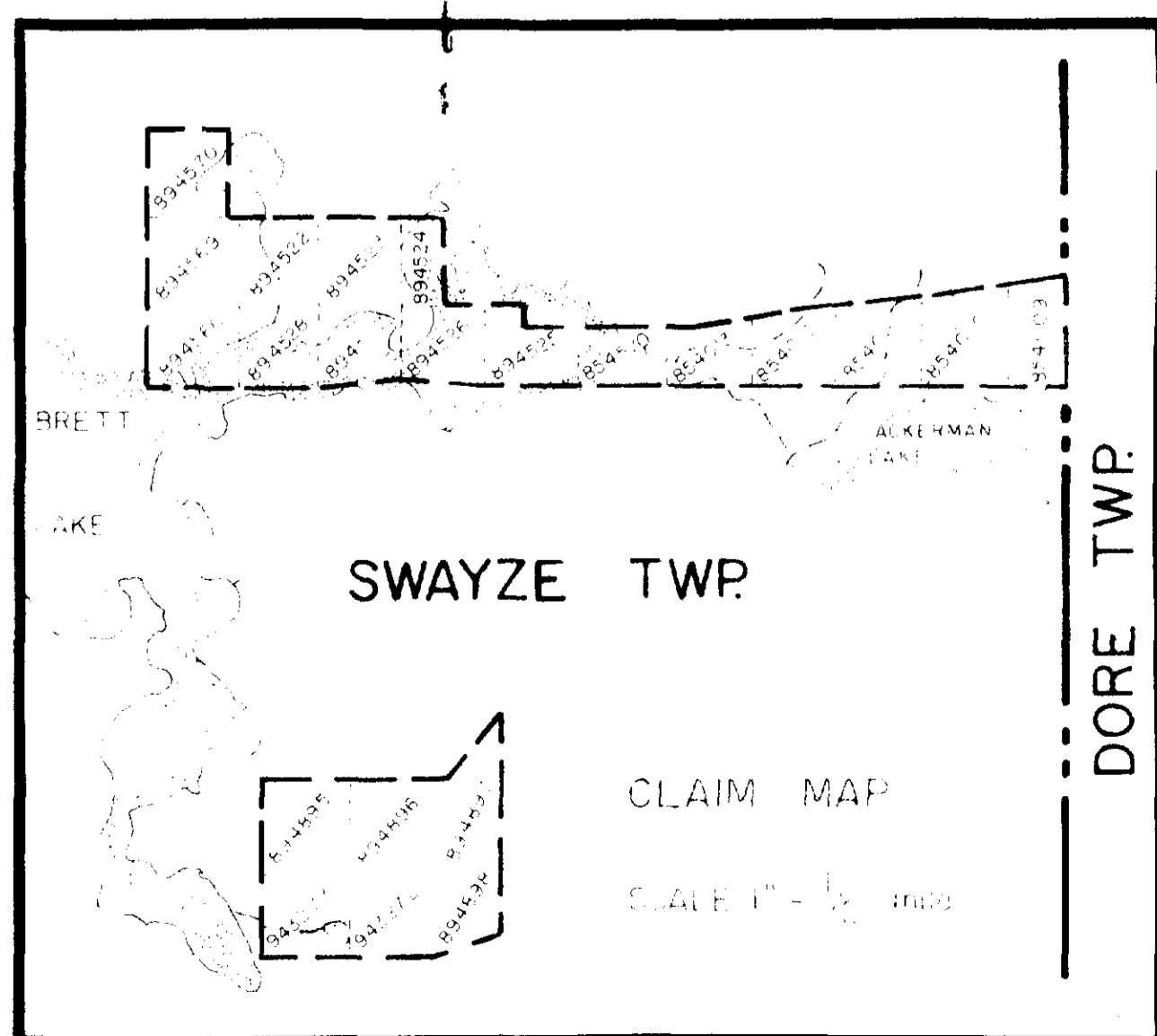
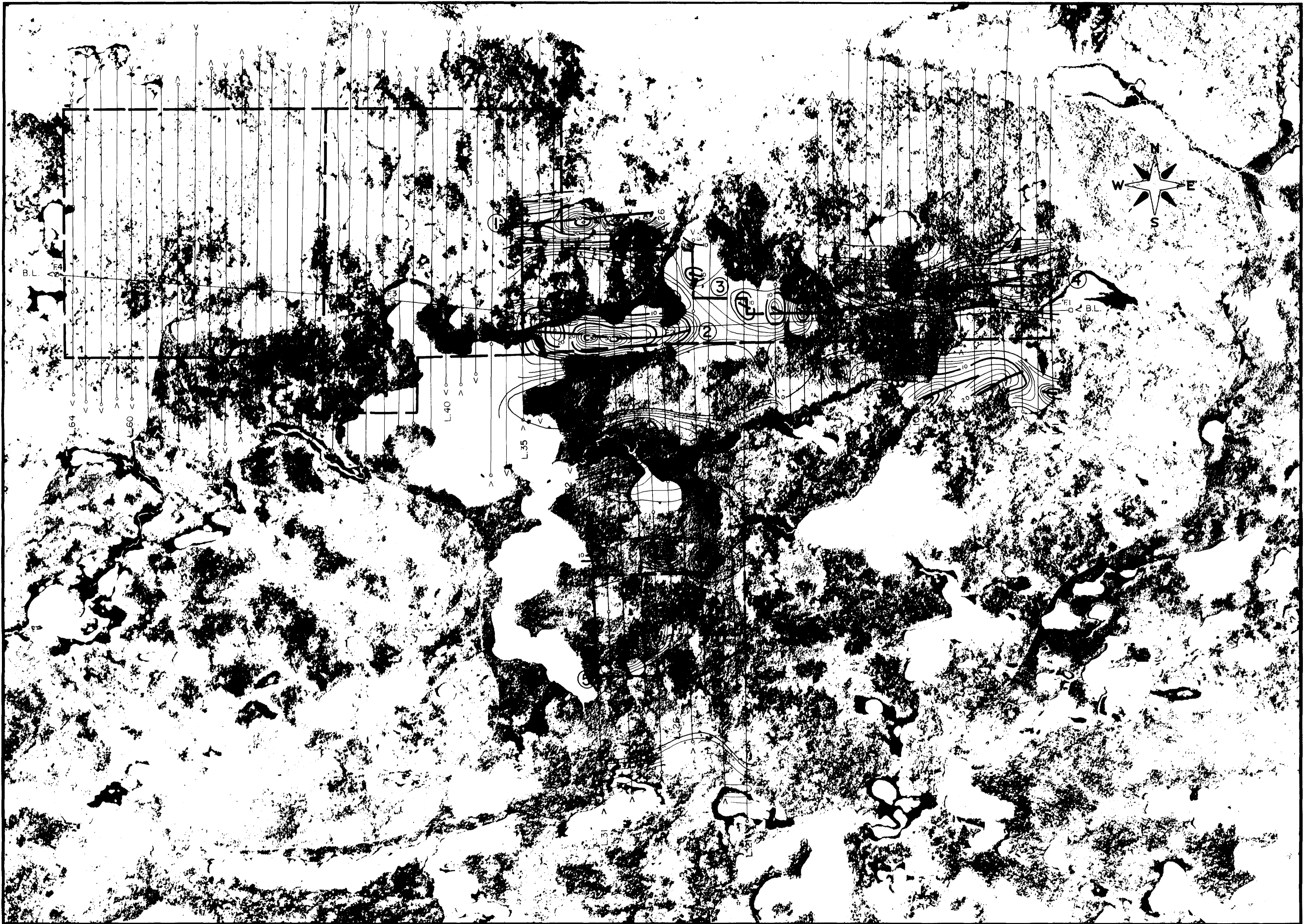
- TOTAL FIELD CONTOUR INTERVAL 25 GAMMAS
- FIDUCIAL POINT
- > LINE DIRECTION
- BASE VALUE 58500 GAMMAS
- ⊖ MAGNETIC LOW
- 100 GAMMAS
- - - 25 GAMMAS



TYPE OF WORK		AIRBORNE MAGNETIC SURVEY	
CLIENT		EMERALD ISLE RESOURCES INC. <i>2.10363</i>	
PROJECT	AREA	SWAYZE TWP. ONT.	
 H. Ferderber Geophysics Ltd.	SCALE	1" = 1/4 mile	DATE
	DRAWN BY	<i>D.H.</i>	AUGUST 1987
		MAP OR SHEET NO.	MG-1







**LEGEND**

- TOTAL FIELD CONTOUR INTERVAL 2 %
- CONDUCTOR AXIS
- FIDUCIAL POINT
- LINE DIRECTION
- STATION USED: CUTLER, MAINE, USA. (N.A.A. 24.0 kHz.)
- LESS THAN ZERO
- 10%, 20%, 30%
- 2%
- 0%

AIRBORNE V.L.F.-EM SURVEY	
EMERALD ISLE RESOURCES INC. <span style="float: right;">2,103 53</span>	
PROJECT	AREA SWAYZE TWP. ONT.
SCALE 1" = 1/4 mile	DATE AUGUST 1987
DRAWN BY <i>J.M.H.</i> H. Ferderber Geophysics Ltd.	MAP OR SHEET NO. EM-1

