



42A06NE0457 2.7636 DELORO

010

**REPORT ON A VLF-EM SURVEY OF CLAIM P594840
DELORO TOWNSHIP, PORCUPINE MINING DIVISION
DISTRICT OF COCHRANE,
ONTARIO
FOR LEGION RESOURCES LIMITED**

January 3, 1985

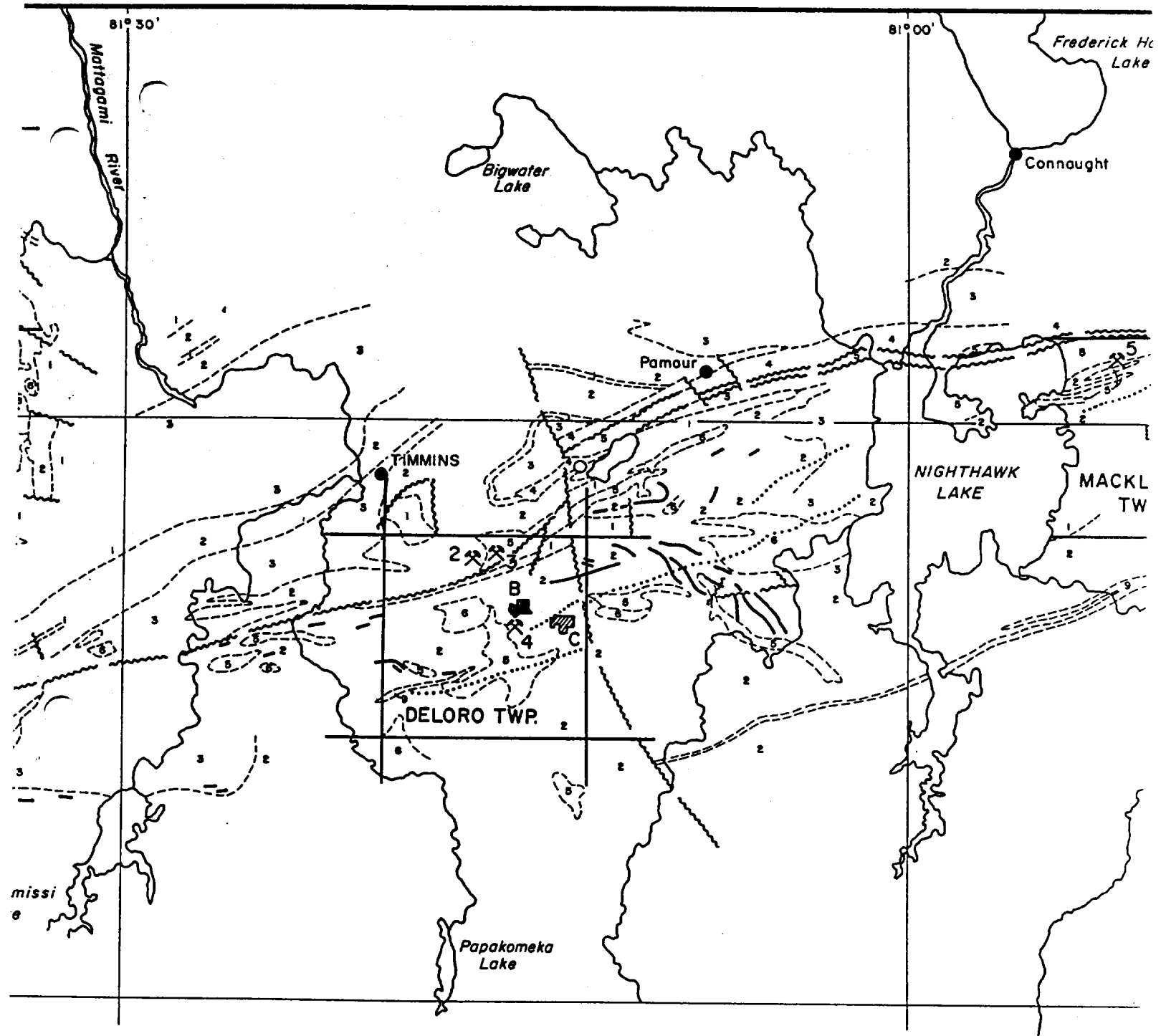
Richard Sproule
Geologist
C. von Hessert & Associates Ltd.
Suite 306, 45 Richmond St. West
Toronto, Ont.
M5H 1Z2




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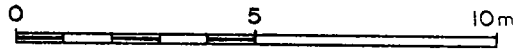
Incl. 2.5930



-  Geologic contact
-  Fault
-  Iron formation

-  CLAIM GROUPS :-
- A KAMISKOTIA PROPERTY
 - B DELWOOD PROPERTY
 - C BIG DYKE PROPERTY
 - D MACKLEM PROPERTY

-  Mines :-
- 1 Kam - Kotia
 - 2 Anor
 - 3 Buffalo - Ankarite
 - 4 Faymar
 - 5 Asarco



Scale 1" = 4 miles

trusives
lomerate
volcanics

VLF-EM SURVEY ON CLAIM 594840 OF THE DELWOOD GROUP
OF LEGION RESOURCES LIMITED

Survey Date: November 12, 1984
Station Used: Annapolis, Maryland

Readings were taken facing north at stations 25 meters apart. Results have been plotted on the accompanying map.

CONDUCTOR A: This conductor is positioned exactly with a conductor located during a previous survey using a different station (Cutler, Maine). Whereas Conductor A follows low ground, this conductor is thought to result from bedrock features. Dry ground is located north and south of the conductor on lines 5+00 E and 6+00 E.

CONDUCTOR B: This conductor also coincides with a conductor located by a previous survey using a different transmitter station. Conductor B is considered to result from ground water.

CONDUCTOR C: This conductor is located over high rocky ground and, according to field notes, may be caused by a fracture set within intermediate volcanic.

CONDUCTOR D: Conductor D appears to mark the beginning of wet ground. However, the slope of the in phase response and the low constant quadrature values suggest that conductor D may represent bedrock features.

RECOMMENDATIONS AND CONCLUSIONS: Additional work will be required to evaluate these conductors. Such a program should be undertaken as part of a larger exploration program designed to evaluate Legions' claims in Deloro Township.

January 3, 1984


Richard Sproule



#499/84

The

Type of Survey(s) VLF-EM Township or Area Deloro

Claim Holder(s) Legion Resources Limited Prospector's Licence No. T-1822

Address Unit 16 - 5500 Tomken Rd, Mississauga Ont L4W 1P2

Survey Company C. von Hesse & Associates Date of Survey (from & to) 11 84 12 84 Total Miles of line Cut

Name and Address of Author (of Geo-Technical report) K. Sproule c/o C. von H. & Ass. Ltd 306-45 Richmond St. West

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	<u>20</u>
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
For each additional survey: using the same grid: Enter 20 days (for each)	Geochemical	
	Geophysical	
	Days per Claim	
Man Days Complete reverse side and enter total(s) here	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
Airborne Credits Note: Special provisions credits do not apply to Airborne Surveys.	Geochemical	
	Electromagnetic	
	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Mining Claim			Mining Claim		
Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
<u>P</u>	<u>598</u>				
	<u>594840</u>	<u>20</u>			

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RECORDED
NOV 22 1984
Receipt No. 20

RECORDED
NOV 22 1984

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.

Total number of mining claims covered by this report of work. 1

For Office Use Only

Total Days Cr. Recorded 20 Date Recorded Nov 22/84 Mining Recorder [Signature]

Date Approved as Recorded 85.1.23 Recorder [Signature]

Date 11/20/84 Recorder/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 K. Sproule c/o C. von Hesse & Associates Ltd 306-45 Richmond Street West Toronto M5H 1Z2

Date Certified 11/20/84 Certified by (Signature) [Signature]

Mining Lands Section

File No 2.7636

Control Sheet

TYPE OF SURVEY GEOPHYSICAL
 GEOLOGICAL
 GEOCHEMICAL
 EXPENDITURE

MINING LANDS COMMENTS:

See file 2.5931 at
A.F.R.O. library for
remainder of Report.

lqd. L.D.

S. Hurst

Signature of Assessor

85-01-22

Date

January 21, 1985

File: 2.7636

Legion Resources Limited
Unit 16
5500 Tomken Road
Mississauga, Ontario
L4W 1P2

Dear Sirs:

RE: Geophysical (Electromagnetic) Survey
submitted on Mining Claim P 594840
in Deloro Township

This will acknowledge receipt of the above-mentioned
report and map on January 7, 1985.

The report has been reviewed and is found to be lacking
certain information in order to be acceptable. The
enclosed booklet outlines what information is required
in a geophysical report (pages 2-3). Please have the
report rewritten using these guidelines, and submit it
in duplicate, quoting file 2,7636.

*no enclose
booklet*

For further information, please contact Susan Hurst
at (416)965-4888.

Yours sincerely,

→ 2,4208 = 1981
→ 2,5931 = Oct 28/83

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: (416)965-4888

S. Hurst:mc

cc: Mining Recorder
Timmins, Ontario

cc: C. vonHessert & Associates Ltd
Suite 306
45 Richmond Street West
Toronto, Ontario
M5H 1Z2

Encl.

C. VON HESSERT & ASSOCIATES LTD.
SUITE 306 - 45 RICHMOND STREET WEST
TORONTO, ONTARIO M5H 1Z2

(416) 863-8796

January 4, 1985

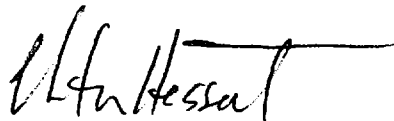
Ray Pichette
Land Management Branch
Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3

Dear Ray:

Please find enclosed two copies of Rick Sproule's report on his VLF-EM Survey on claim P594840, Deloro Township, Ontario.

Best wishes for the New Year!

Sincerely,

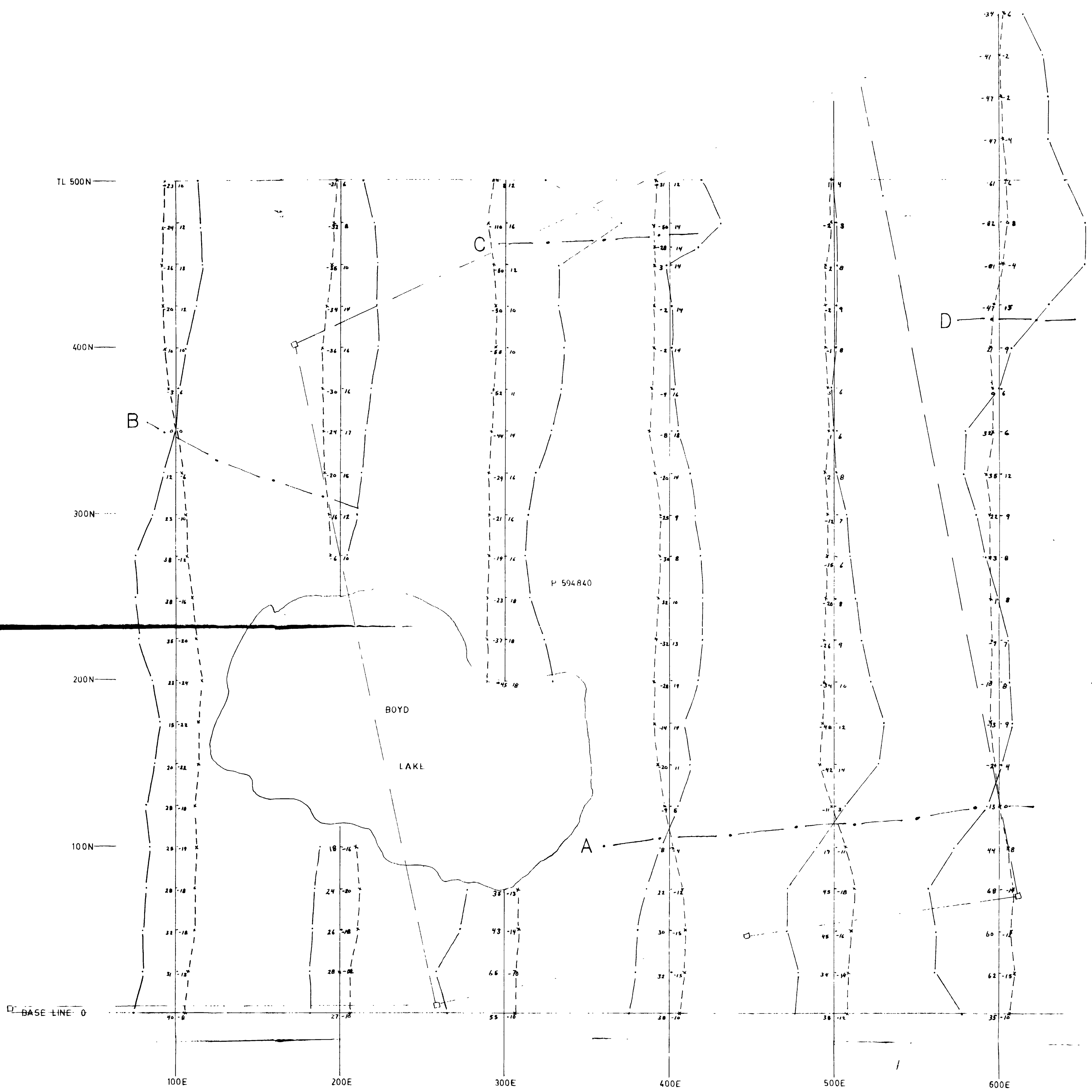


Christian von Hessert
Consulting Geologist

enclosure:

cc: Bruno Vatri
Legion Resources
Unit 16, 5500 Tomken Road
Mississauga, Ontario

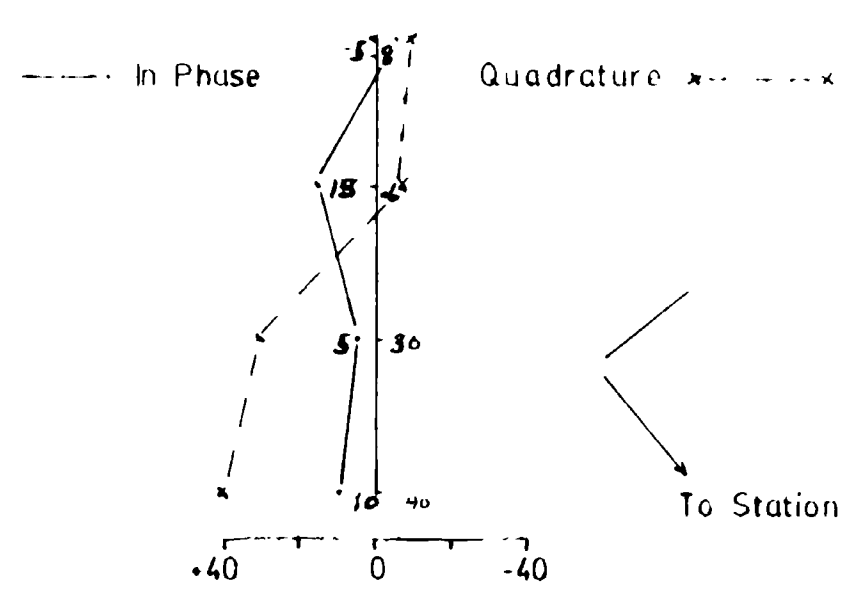
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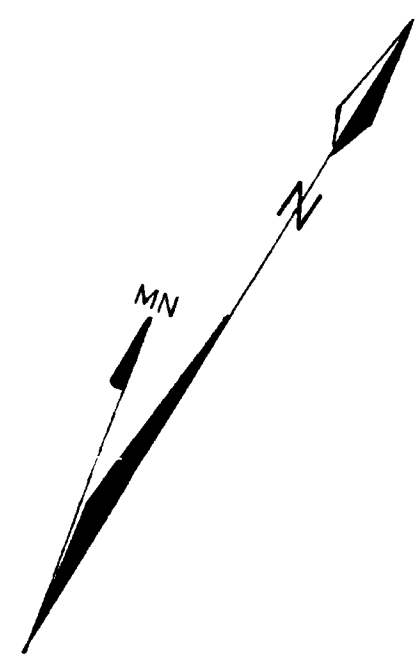
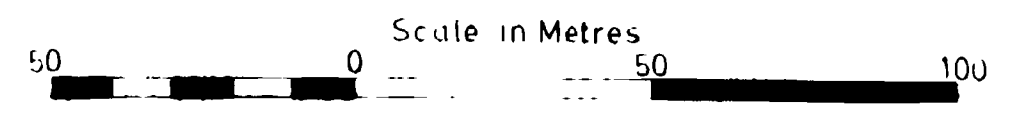
TL 500N
400N
300N
200N
100N
BASE LINE 0

100E 200E 300E 400E 500E 600E

LEGEND



Instrument GEONICS EM 16
Station ANIAPOLIS



200

*Chris Hesse
for R. Sproule*

LEGION RESOURCES

DELWOOD PROPERTY

VLF SURVEY PROFILES
27636

DELORO TOWNSHIP

SCALE 1:1250 Prepared by RM SPROULE
Date November 1984 Revised _____ MAP NO. _____