



41P09NE0030 2.9232 BRYCE

010

REPORT ON  
A GROUND VLF ELECTROMAGNETIC SURVEY

performed on the  
Morris Claims  
BRYCE TWP.  
LARDER LAKE MINING DIVISION  
ONTARIO

THOMAS OBRADOVICH,  
PROSPECTOR  
JUNE 1986

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file*

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JUL 10 1986

MINING LANDS SECTION



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FIGURE IV - VLF - EM MAP

SUMMARY: This report describes the results of a ground geophysical survey performed on a group of sixteen claims in Bryce Township in the Larder Lake Mining Division. The claims are held by James Morris of Englehart.

Access to the property is by means of the Hills Lake Hatchery Road and Blomberg farm Road south of Charlton Ontario.

The geology of the claim group consists of varying flows of Keewatin basic volcanics intruded by dikes and sills of Feldspar porphyry and Nipissing diabase dikes.

The ground VLF electromagnetic survey confirmed the presence of conductive zones on the property.

It is recommended that follow up work be undertaken in the form of a detailed VLF electromagnetic survey in conductive areas, magnetic surveys and detailed mapping, prospecting and sampling.

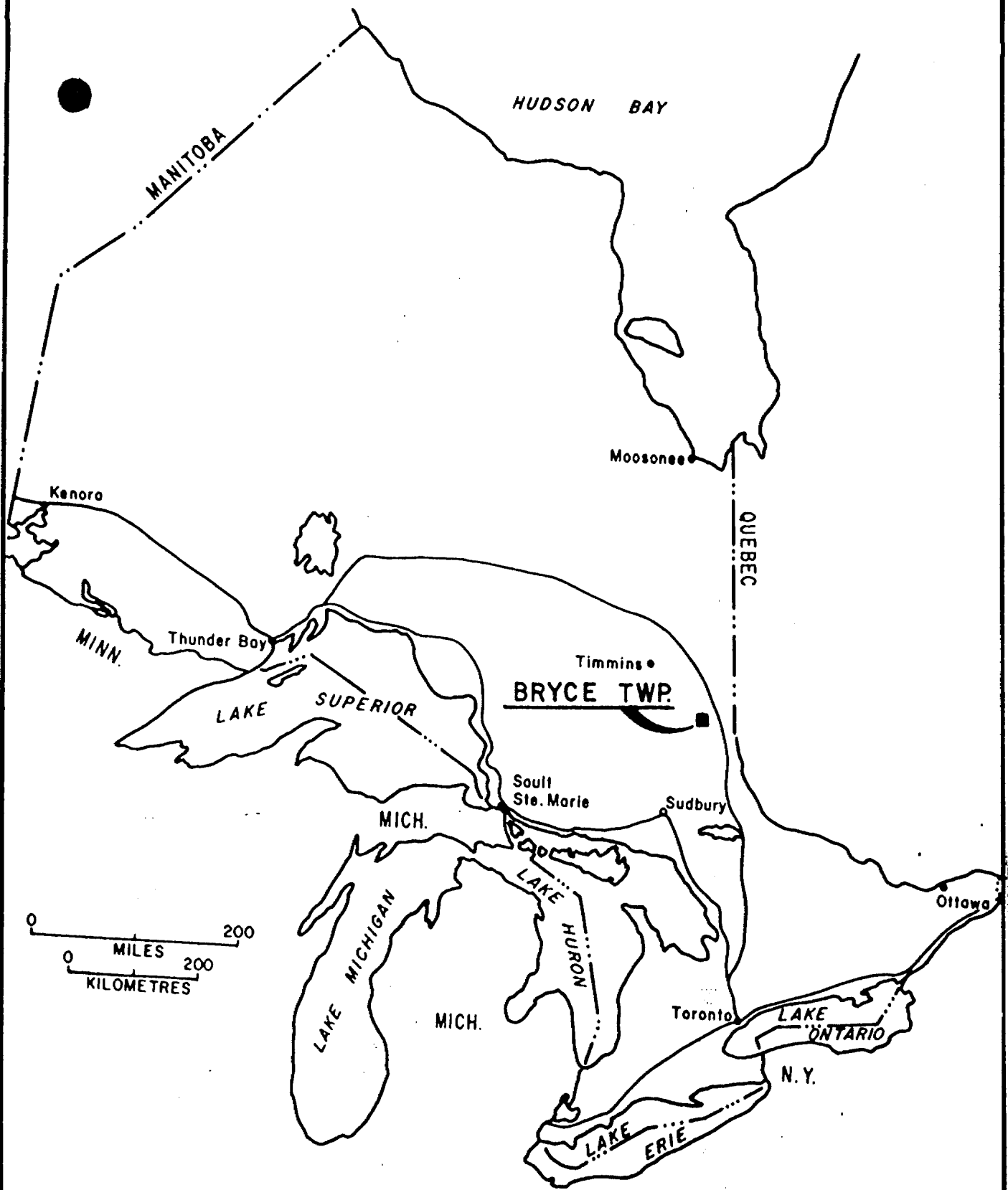


FIG. 1  
LOCATION MAP  
BRYCE TWP., ONTARIO

**PURPOSE:** This report describes the results of a ground VLF electromagnetic survey conducted on a group of sixteen claims held by James Morris of Englehart, Ontario.

**PROPERTY AND LOCATION:** The property consists of sixteen inpatented claims numbered L842249 to 842254 inclusive; L801801 TO L801803 L802801 to L802808 inclusive; L842851 to L84853. The claims are in concession V lots 10, 11 and 12 in Bryce Township. Access to the property can be obtained by the Charlton Hill Lake Fish Hatchery Road off highway 560. An old lumber road accesses the south boundary of the Morris claims.

**GEOLOGY:** The property lies within a belt of greenstones which extends through Robillard, Bryce and Tudhope township. A large granitic batholith to the north and a feldspar porphyry plug to the east flank the greenstones. An extensive feldspar porphyry dike intrudes varying flows of pillow lavas and trends north easterly through the heart of the claim group. Nipissing diabase dikes and sills also cut through the country rock.

Shearing can be observed in various locations on the property.

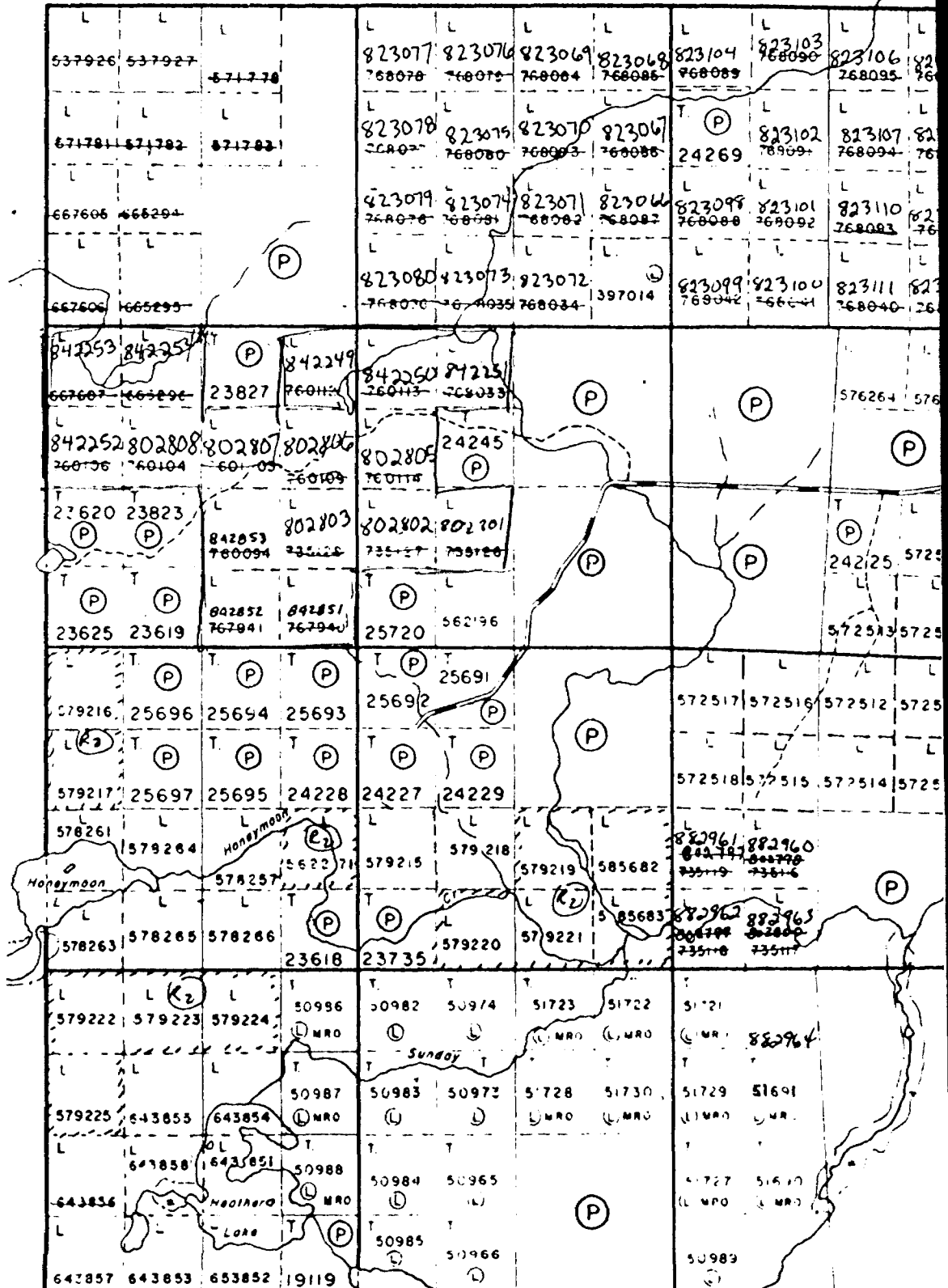
**PREVIOUS WORK:** Trenching and sampling along shears and veins was carried out by the Palmer-Vaughan Group. Some gold values were reported from samples taken along a defined shear running northeast through the lower part of the Morris package. Auric Diamond Drilling Company are reported to have drilled twelve holes on the claim group for Britcana Mines. Most of this forementioned activity occurred in the late 1930's and early 1940's.

**WORK PROGRAM:** A control grid was established over the property by means of flagged compass controlled lines. The lines were oriented in a north-south direction from an east-west baseline. Stations were located at 100 foot intervals. A total of 15 miles of line were established. The gridding and geophysical survey was performed by John Daly of Englehart Ontario. The work was performed in February 1986.

FIG. 2

ROBILLAF

TUDHOPE TWP. M - 252



VLF - ELECTROMAGNETIC SURVEY:

Instrument: A Geonics EM-16 VLF was used to read the lines using the Cutler Maine transmitting station. The signal is transmitted at a frequency of 24.0 KHz. Dip angles were recorded to the nearest percent.

Procedure: Readings were taken at an interval of 100 feet on all survey lines. A total of 900 readings were taken over fifteen miles of grid.

Presentation: The results of the VLF survey are presented in map form included in this report.

Results: Numerous conductive zones were detected by the survey. Some conductors are likely attributable to surface conductivity. One definite bedrock conductor exists on line 36 W approximately 1000 S. The conductor is on strike with a persistent shear zone on patented claim T23823. The conductor seems to be consistent and defined through claims L842853 and L802803.

RECOMMENDATIONS: It is recommended that further work be performed on the claim group.

The following work program should be undertaken:

- 1) detailed VLF EM follow up survey
- 2) a magnetic survey
- 3) detailed prospecting, sampling and geological mapping in the vicinity of shear zones and conductors.

It is recommended that such work be performed before winter months.



80°08'00"

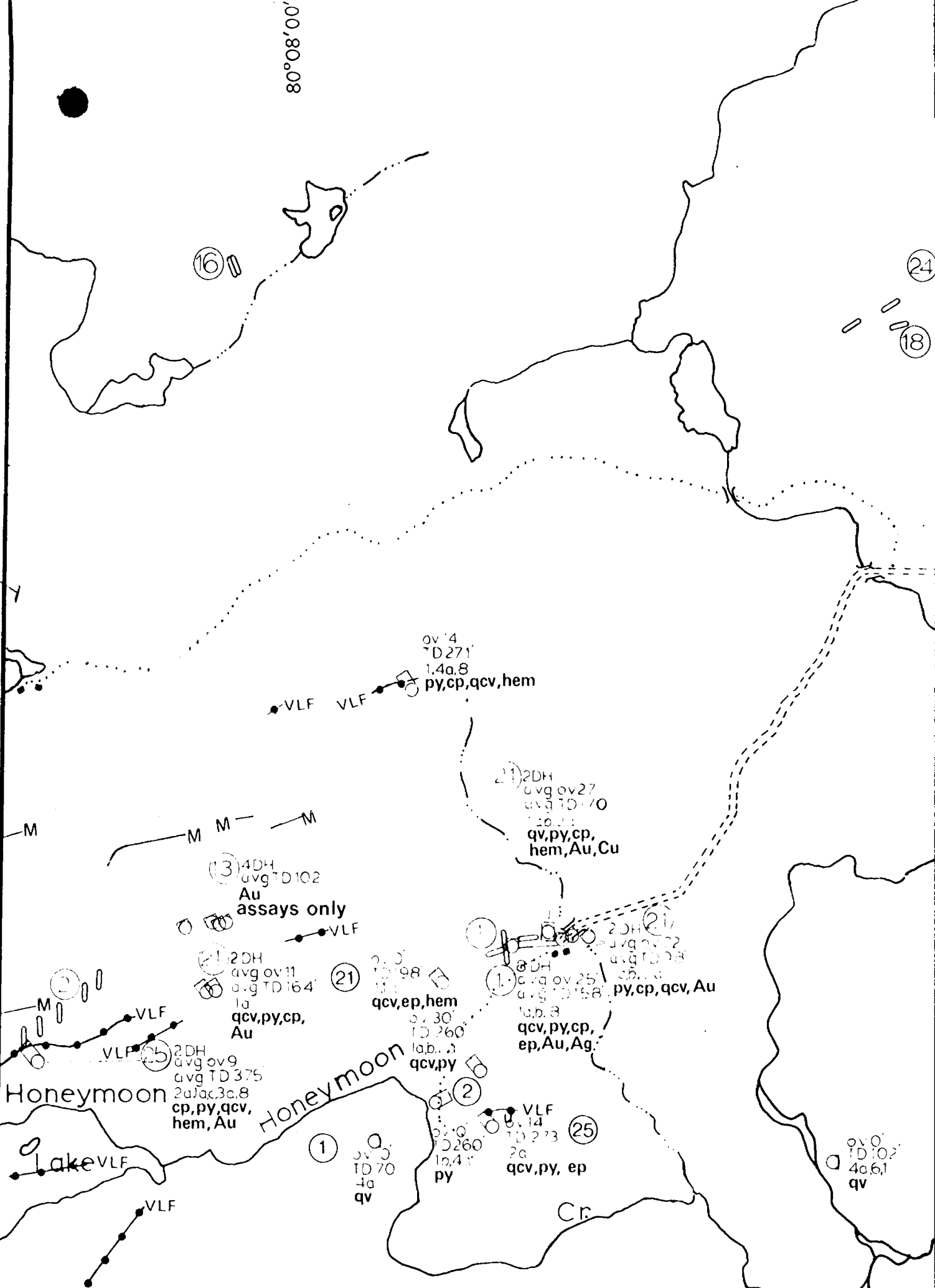


FIG 3

CERTIFICATE

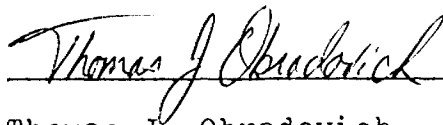
I, Thomas Obradovich, 133 Taylor Ave. Kirkland Lake, Ontario,  
a prospector based in Kirkland Lake do hereby certify that,

I attended Haileybury School of Mines, Hailebury, Ontario for  
a period of two years.

I have practiced my profession since 1982 with the exception  
of a brief period from May to October 1982 when I was employed  
as a mining technician with Iron ore company of Canada in  
Labrador City Nfld.

I am a member of the CIMM and the Prospectors and Developers  
Association.

Respectfully Submitted,



Thomas J. Obradovich  
Prospector

June 6, 1986



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900

Type of Survey(s) **VLF ELECTROMAGNETIC**

Claim Holder(s) **JAMES MORRIS**

Survey Company **JOHN DALY**

Survey Dates (linecutting to office) **01 02 86 10 02 86** Total Miles of line Cut **TO 15 ribboned**

Name and Address of Author (of Geo-Technical report) **TOM OBRADOVICH 133 TAYLOR AVE. KIRKLAND LAKE, ONTARIO** chained

Prospector's License No. **K20143**

Special Provisions Credits Requested

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

Man Days

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

Airborne Credits

Note: Special provisions credits do not apply to Airborne Surveys.		Days per Claim
	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.

Report Completed

Date of Report **JUNE 5 1986**

Recorded Holder or Agent (Signature) *Thomas Obradovich*

Mining Claims Traversed (List in numerical sequence)

Mining Claim			Mining Claim		
Prefix	Number	Expend. Days Cr.	Prefix	Number	Expend. Days Cr.
L	842250	15			
	842251	15			
	842252	15			
	842253	15			
	842254	15			
	842249	15			
	802801	15			
	802802	15			
	802803	15			
	802805	15			
	802806	15			
	802807	15			
	802808	15			
	842851	15			
	842852	15			
	842853	15			

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JUN 11 1986  
KIRKLAND LAKE MINING DIVISION

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

For Office Use Only

Total Days Cr. Recorded **320**

Date Recorded **JUN 11 1986**

Date Approved as Recorded **76.7.11**

Mining Recorder *[Signature]*

Regional/Branch Director *[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 **THOMAS OBRADOVICH 133 TAYLOR AVE KIRKLAND LAKE ONT.**

Date Certified **June 6 1986**

Certified by (Signature) *Thomas Obradovich*

Mining Lands Section

File No 29232

Control Sheet

TYPE OF SURVEY

- METEOROLOGICAL
- GEOLOGICAL
- GEOCHEMICAL
- EXPENDITURE

MINING LANDS COMMENTS:

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*J. Hurst*

Signature of Assessor

*July 11/80*

Date

*copy D*

2.9232

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8

ROBILLARD TWP M - 579

THE TOWNSHIP  
III

BRYCE

DISTRICT OF  
TIMISKAMING

LARDER LAKE  
MINING DIVISION

SCALE: 1-INCH 40 CHAINS

LEGEND

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

NOTES

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

Areas withdrawn from staking under Section 43 of the Mining Act (190-170)

File	Date	Disposition

(R1) Mining and surface rights withdrawn from prospecting, staking out, sale or lease Sec. 36 The Mining Act A.S. 2, 1980 Order No. NAW 65/83 Nov. 18, 1983 4:36 pm.

(R2) See 201x5 - w. 18/No. 14/00/1x0 mts

MAY 15 1986

PLAN NO. M-282 #28

ONTARIO  
MINISTRY OF NATURAL RESOURCES  
SURVEYS AND MAPPING BRANCH

TUDHOPE TWP M - 252

VI

V

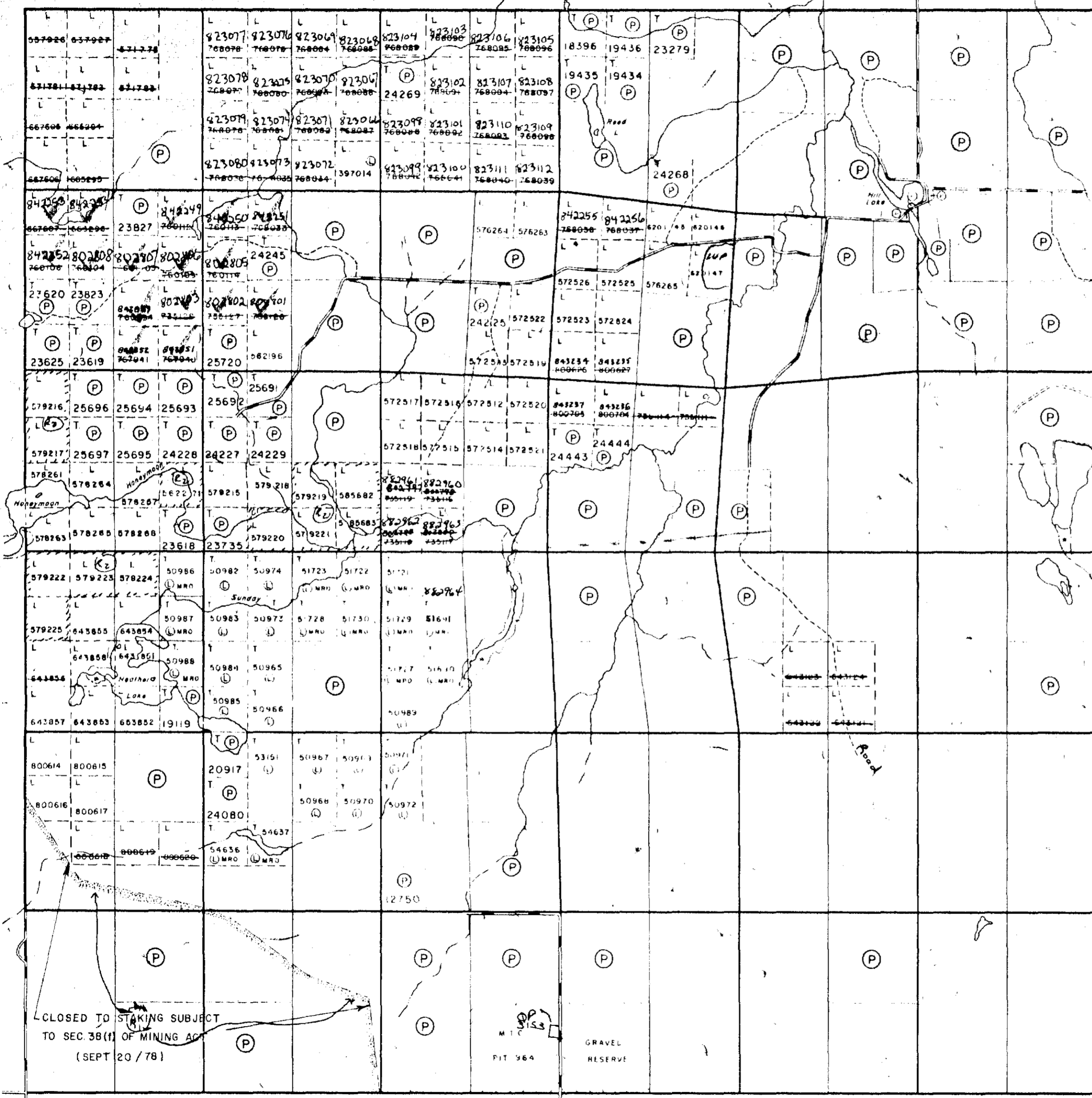
IV

III

II

I

BEAUCHAMP TWP M - 412

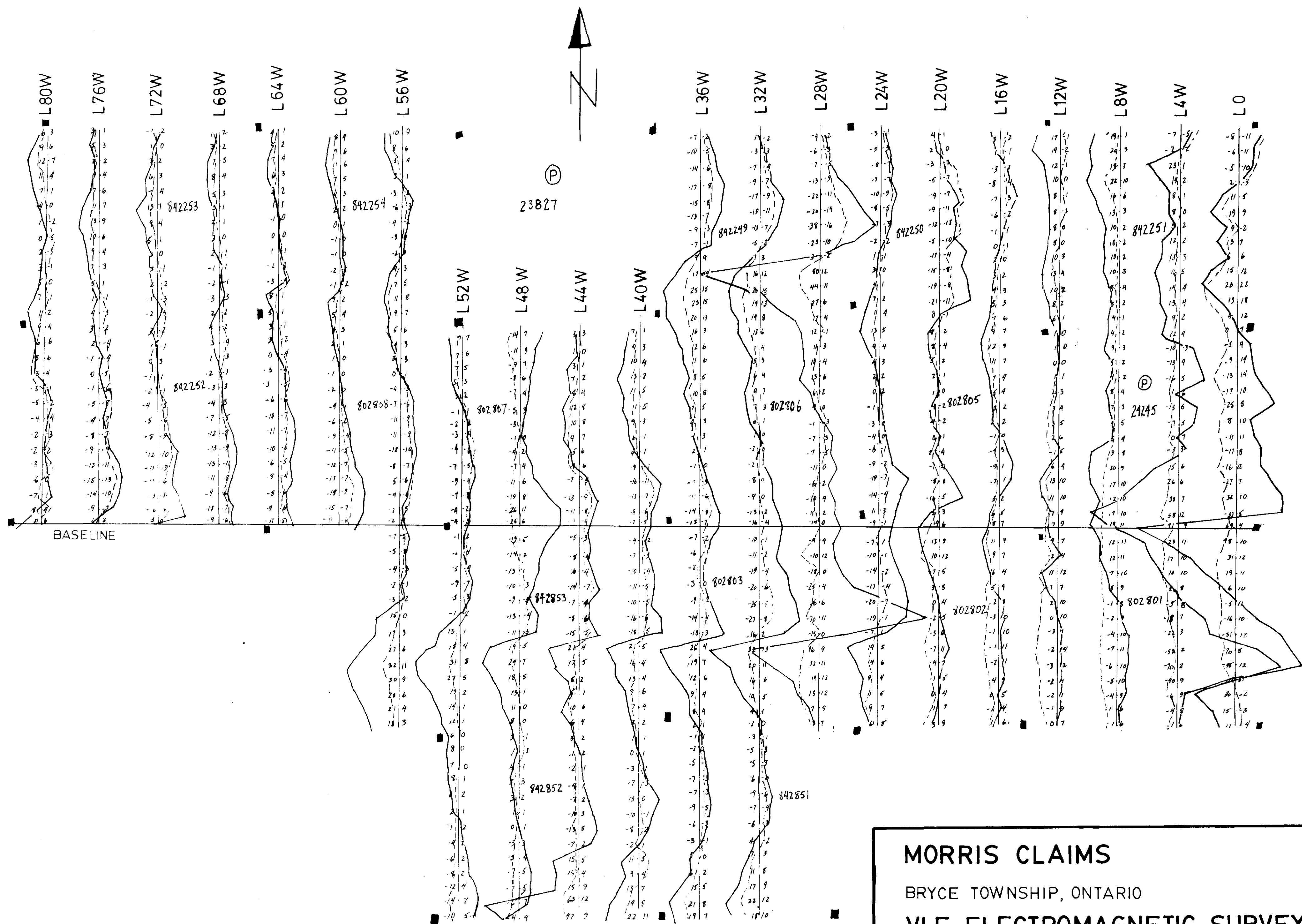


12 11 10 9 8 7 6 5 4 3 2 1

CANE TWP M - 211



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**MORRIS CLAIMS**  
 BRYCE TOWNSHIP, ONTARIO  
**VLF-ELECTROMAGNETIC SURVEY**  
 STATION: CUTLER, MAINE. 24 KHZ.  
 SCALE : 1 INCH = 400 FEET  
 SCALE OF PROFILES : 1 INCH TO 40%

