GEOPHYSICAL REPORT

McARTHUR TOWNSHIP

PORCUPINE MINING DIVISION
NORTHEASTERN ONTARIO

FOR

R. LAVOIE

EXSICS EXPLORATION LIMITED
J,C. GRANT
C.E.T., A.F.G.A.C.
OCTOBER 27, 1985
TIMMINS, ONTARIO

TABLE OF CONTENTS

INTRODUCTION

This report will deal with the results of a VLF,EM,Radem survey on three contiguous, unpatented mining claims which are located in McArthur Township, Porcupine Mining Division, Timmins, Ontario.
The three claims are numbered as follows;
P-833271, P-833272 and P-833273.

OWNERSHIP

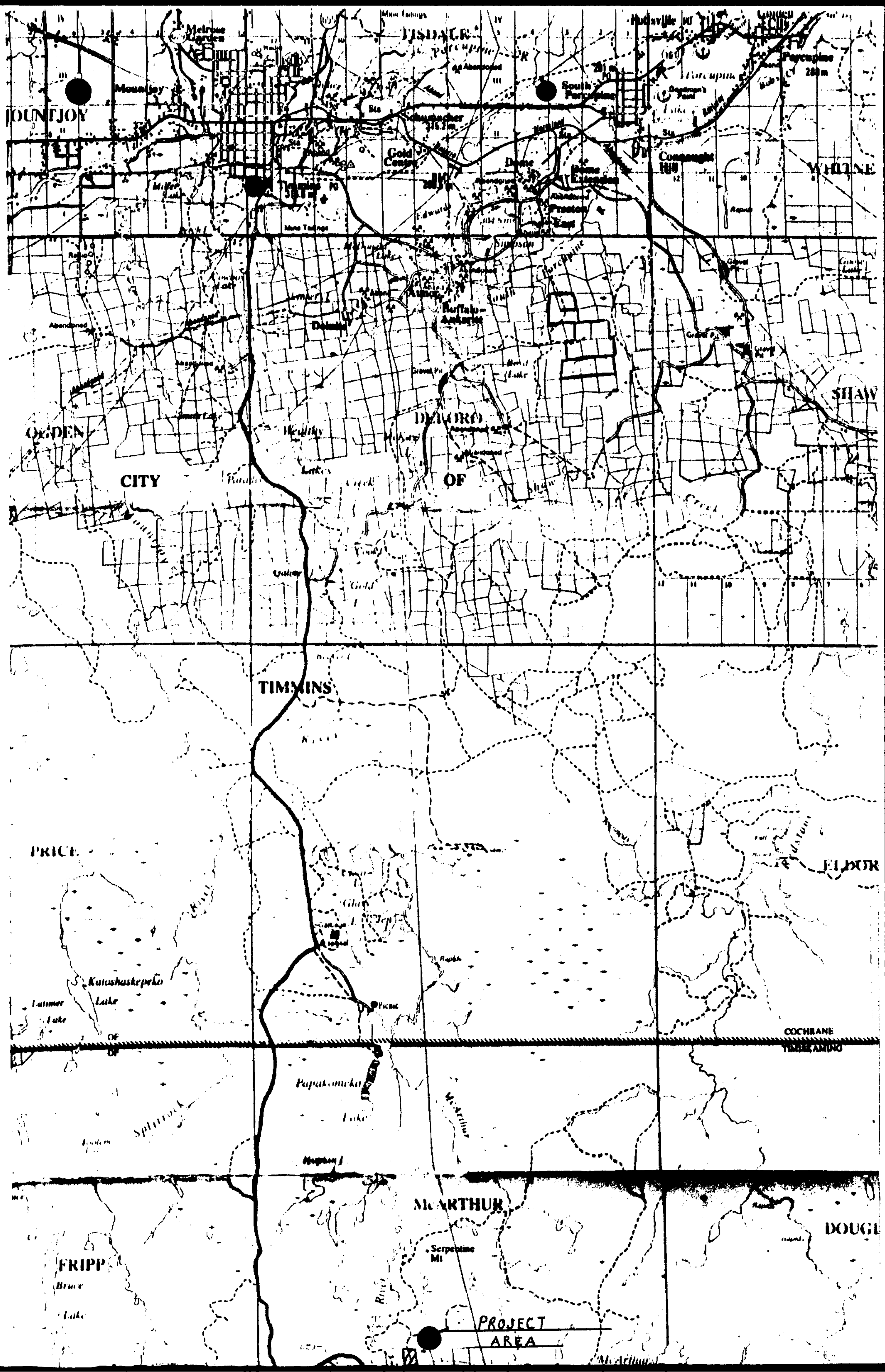
The claim group is held by Mr. R. Lavoie, 106 Cameron Street, Timmins, Ontario.

LOCATION

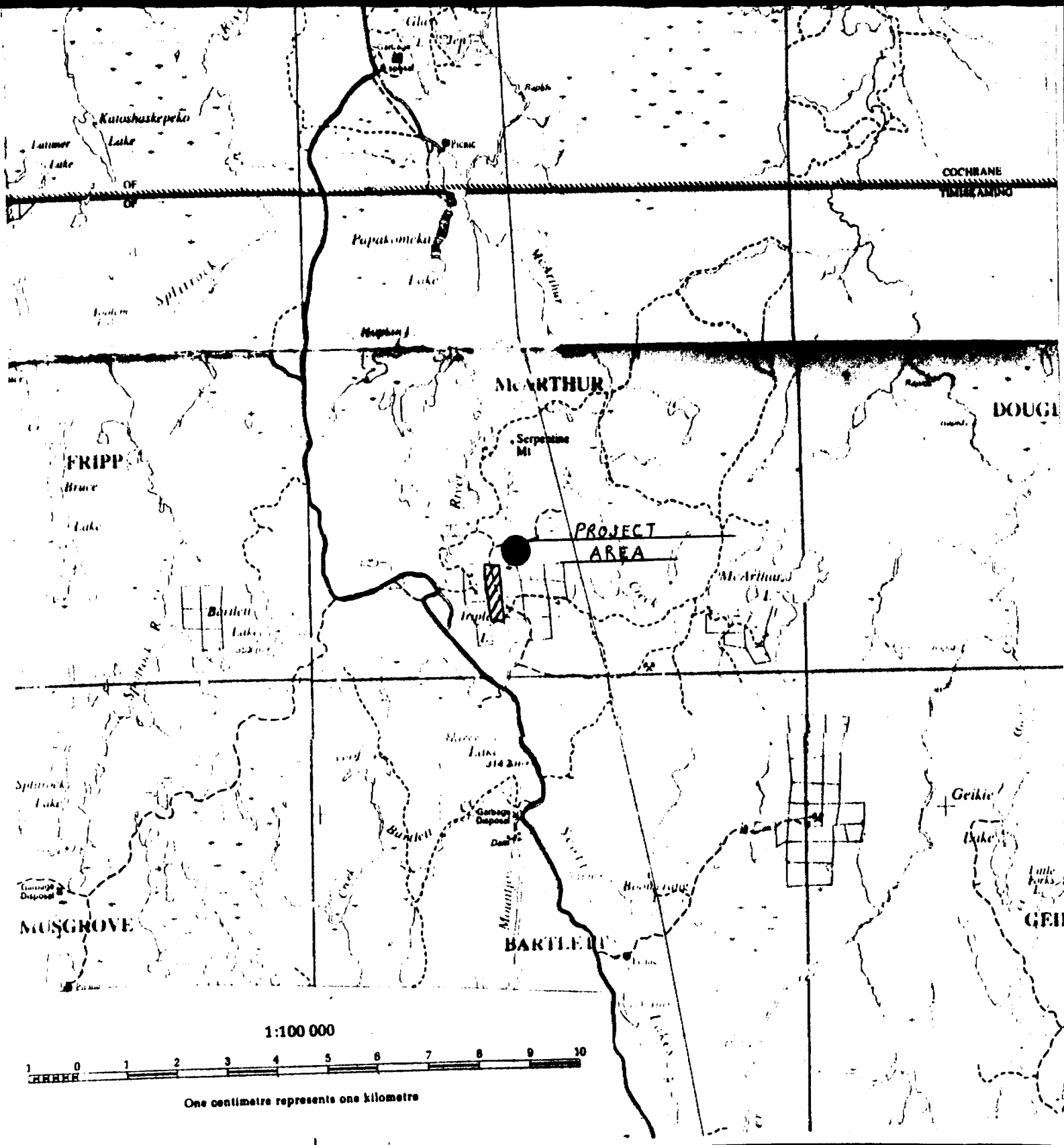
The three claims are located in the south, central section of McArthur Township, on the east side of Triple Lake. (Refer to figure 2). McArthur Township is approximately 15 miles, (24km), south of the City of Timmins.

ACCESS

The claims can be easily reached by vehicle, travelling south off of Pine Street and continuing for 18 miles, (29 km), along a well travelled gravel road. This road also provides an alternate route to the Town of Matachewan which is approximately 60 miles, (96.5km) southeast of Timmins.
The Township boundaries are well marked along this gravel road. After crossing the McArthur-Bartlett Township lines, which also coincide with a bridge over the Mountjoy River, make a left-hand turn on to a second gravel road. Approximately ome mile north along this road you will locate the number 4 post of claim P-833273 which is also Line 1100W/BL of the survey grid. (refer to figure 2).



MOUNTJOY
TISDALE
WHITNEY
OGDEN
CITY
OF
TIMMINS
DELORO
SHAW
PRICE
ELDOR
COCHRANE
TIMISKAMING
McARTHUR
FRIPP
DOUG
South Porcupine
Porcupine
Gold Centre
Connaught Hill
Dome Extension
Preston East
Buffalo-Ankerite
Katoshaskepeko Lake
Papakomeka Lake
Serpentine Mt
PROJECT AREA


Katoshaskepeko Lake
Lammer Lake
Picnic
COCHRANE
TIMISKAMING
Papakomeka Lake
Splawsk
McARTHUR
Serpentine Mt
FRIPP
Bruce Lake
PROJECT AREA
Bartlett Lake
Splawsk R
Garbage Disposal
MUSGROVE
BARTLETT
Geikie
1:100 000
1 0 1 2 3 4 5 6 7 8 9 10
One centimetre represents one kilometre

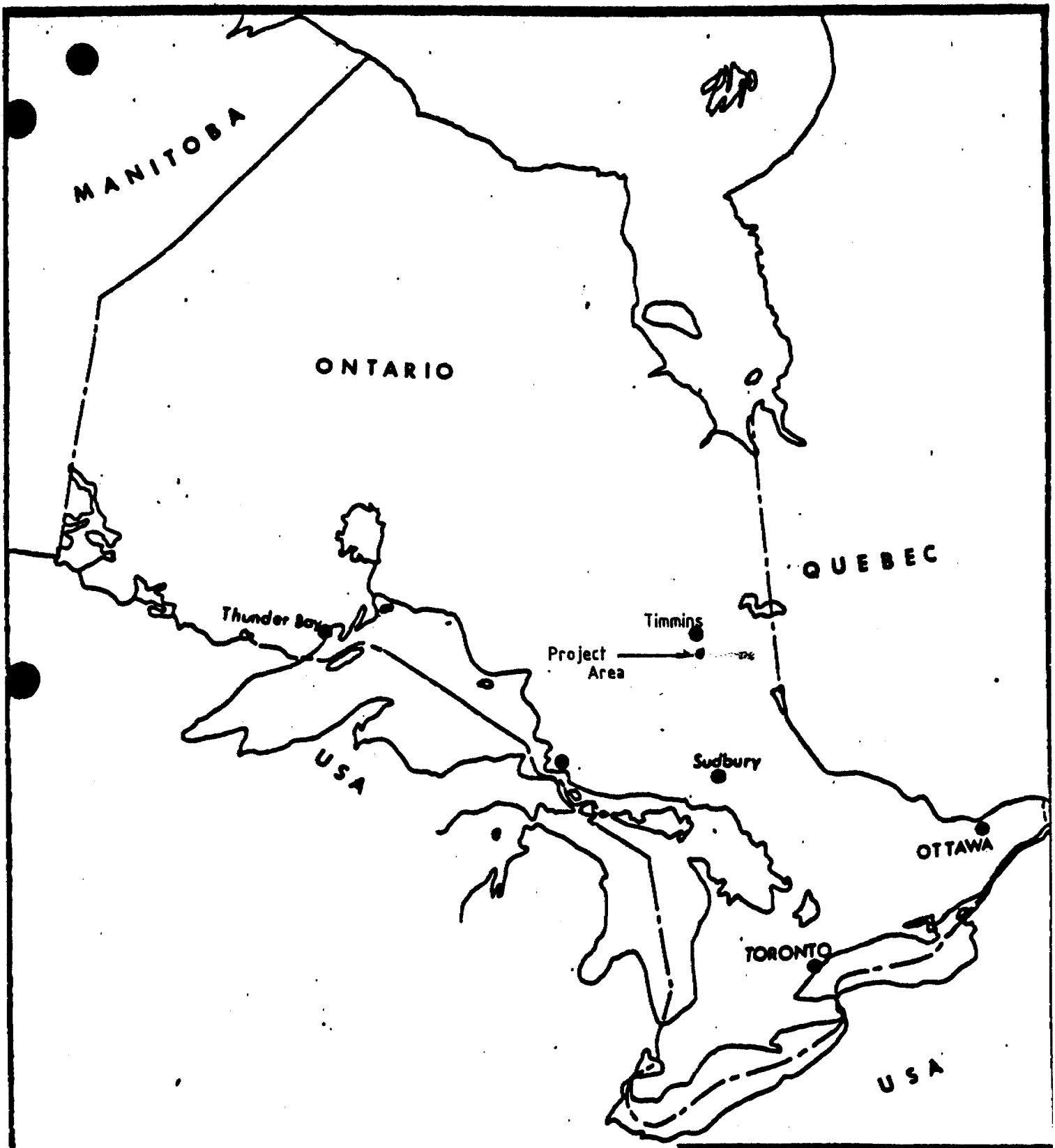


FIGURE 1

LOCATION MAP

0 125 miles 250

GENERAL GEOLOGY

The property is largely drift covered, but appears to be underlain mainly by intermediate to felsic metavolcanics and lesser mafic metavolcanics based on the northward extrapolation of the metavolcanic unit from Bartlett Township. A band of intercolated iron formation occurs to the northeast of the claims.

ECONOMIC GEOLOGY

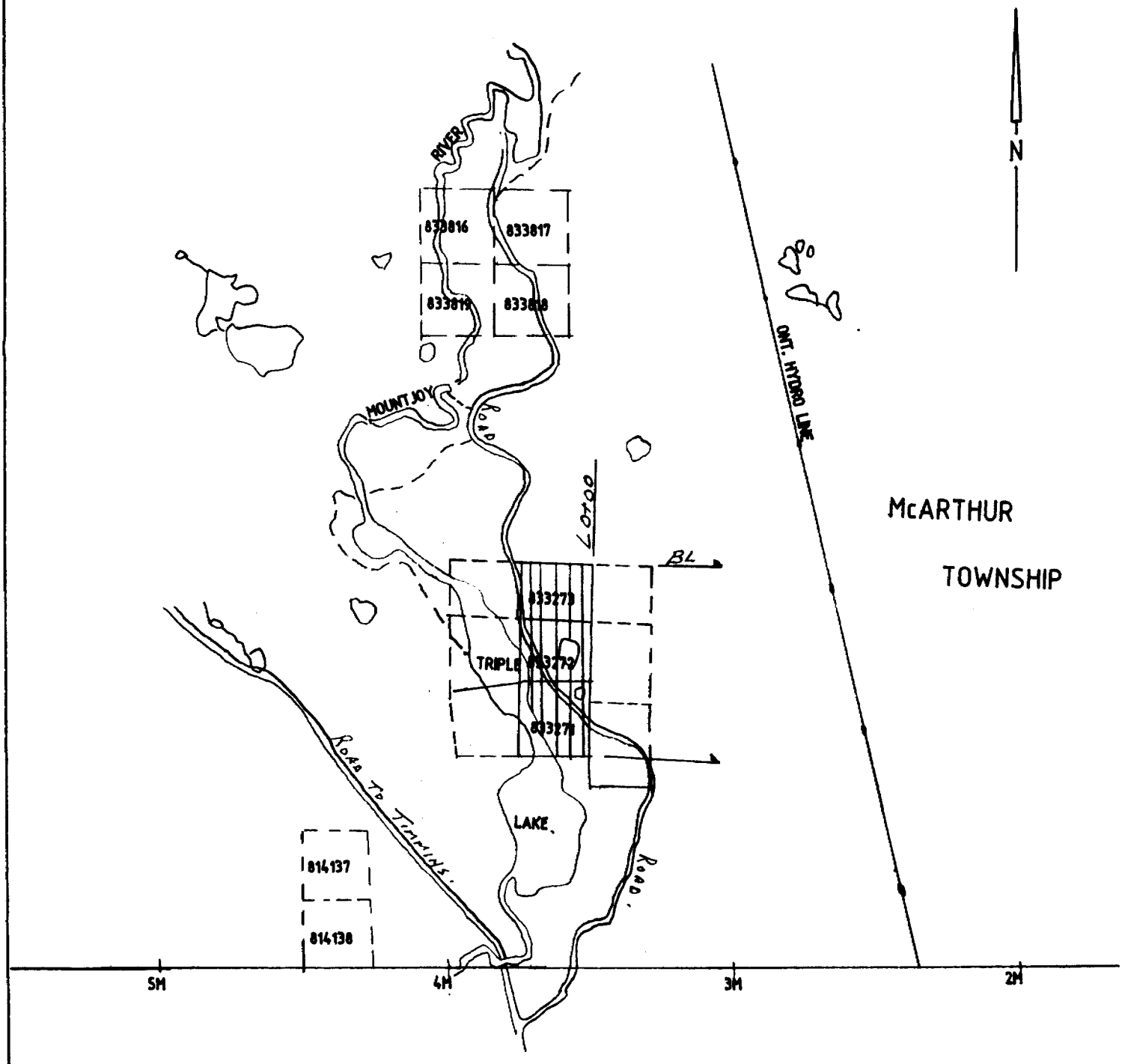
The property was originally held by Triple Lake Porcupine Gold Mines Limited, and the following information is taken from a report[1] by Eric Canadian Mines Limited in 1938.

By 1938 a two-compartment shaft had been sunk to a depth of 17m (55 feet) on a quartz vein near the East shore of Triple Lake. The quartz vein strikes N50°E, clips 60°S, is exposed for over 8m (25 feet) and varies in width from 45 to 90 cm (1.5 to 3.0 feet). Two drill holes to check the vein at depth gave indefinite results. Free gold and $50.00 channel assays (gold probably at $20.67 per ton) were reported[1]; no further work is recorded in the assessment files.

SURVEY GRID

The survey grid was established such that the flagged baseline runs along the North boundary of the group, at an azimuth of 270°. L 0+00 represents the East boundary of the group and L1100W represents the West boundary of the claim group.

The line spacing, used to cover the block, was 300' with a station interval of 100'. The entire block was covered and read using compassed, flagged lines and a VLF, EM, Radem receiver.



BARTLETT TOWNSHIP.

Fig, 3_____

1" 1,/2 mile

SURVEY

The survey was completed using the Crane, VLF, EM, Radem receiver using an operating frequency of 24.8 KHZ (Seattle, Washington). The dip angle of values were recorded and these values were then plotted on a base map of 1" to 200' and profiled at 1" to 20°.

To aid in the interpretation of the data, a low pass filter, known as Fraser Filtering, was used in the dip angle readings. This filtering results in a positive peak being positioned over the conductor axis. As a rule, the procedure results are higher over a shallow conductor and lower over a deeper source.

SURVEY RESULTS

The VLF survey showed the existence of 4 possible conductive zones. All of these features continue off of the survey grid, both to the East and the West.

The Fraser filtered data does correlate weakly with each of the zones either directly or slightly South flanking. The best filtered data is centened over the "showing", with values of +15 to +18 above the background. The strike of the filtered contours also closely parallels the strike of the quartz veining mineralized zone.

Conductive Zone 1 (L 0+00 to L 300W @ 3500S to 3700S)

This weak questionable response may be representative of conductive overburden or slight shearing. There is no definite conductor axis. There is a slight high in the filtered data but no definite pattern. A closer examination of the zone may be warranted if the other zones prove to be legitimate.

Conductive Zone 2 (L 300W to L600W @ 2300S)

This response does appear to be legitimate but either weak or deep. The zone also appears to be strengthening to the West. Also of importance is the fact that the "showing", 700' to the North

of this response, dips at 60 to the South. One suggestion may be that this VLF response is an indication of the down dip extension of the main showing.

This response definitely requires follow-up work.

Conductive Zone 3 (L 600S to L 900S @ 1200S)

Again this response appears to be a legitimate conductor at depth. It also appears to be dipping to the South. It is within 400' of the main showing and may be representative of a parallel structure.

The zone also requires further work for a more definite picture.

Conductive Zone 4 (L 0+00 to L 1100W @ 300S to 100S).

This response is most likely representative of the same feature which has been faulted or sheared to the North and West. It also may be representative of a creek which flows through the area. Further investigation should be based upon the results of Zones 2 & 3 and on the results of a detailed geological survey.

As stated earlier, there was no definite conductive aone with the showing, however, the filtered data shows a good response directly over the showing.

RECOMMENDATIONS AND CONCLUSIONS

The VLF survey did prove the existence of two possible legitimate zones flanking the main showing to the North and South.

The area has proven gold values in excess of 2 oz. to the ton from past work. This fact coupled with the 2 VLF features would suggest that this property is of merit and should be condidered as having the potential for economical gold values.

CERTIFICATE OF QUALIFICATION

I, John Charles Grant do hereby certify:

1. That I am a geophysist and reside at Lot 2, Martineau Avenue, Kamiskotia Lake, P.O. Box 1880, Timmins, Ontario, P4N 7X1,

2. that I am a member of the Certified Engineers and Technologist Association of Canada,

3. that I am an Associate Fellow of the Geological Association of Canada,

4. that I have practised my profession continuously for 11 years.

J. C. Grant
Geophysist
C.E.T., A.F.G.A.C.
October 28, 1985

SURVEY RESULTS, CON'T

During the month of March, 1986, lines 600, 900 & 1100 west were extended to the south to cover that portion of the grid that lies under Triple Lake.

The following portions of each of the lines were surveyed with the Crone, VLF,(Radem), receiver, using a transmitting frequency of 24.8 khz, Seattle, Washington.

Line 600W, 2900S to 4000S
Line 900W, 2700S to 3700S
Line 1100W, 1700S to 4000S

The purpose of this extension was to complete the coverage of the entire three claim block for the 20 days of assessment. Also, Conductive zone 2 appeared to be striking west under the lake.

RESULTS

As was expected, Zone 2, (refer to Survey Results, pg.3 of the report), did extend another 250 feet west. The zone appears to be relatively shallow and near vertical to slightly north dipping.
The additional work also showed 3 single line responses under the lake.
The first zone is located on L900W/2600S, which , in fact, may relate to a shoreline effect.

Results, Con't

The second zone is also located on L900W at 3200S. This feature may be an extension of the third feature located on L1100W at 3500S. The filtered results suggest that the two may relate to the same source, a source which may be striking northeast across the two lines. Both of the features appear to be good, strong cross overs.
Further examination, both geologically and geophysically, would be required before a much more definite conclusion can be reached.

REFERENCES

1) ERIE CANADIAN MINES LIMITED.
1938: Regional Geologists Files, M.N.R., Timmins, Ontario.

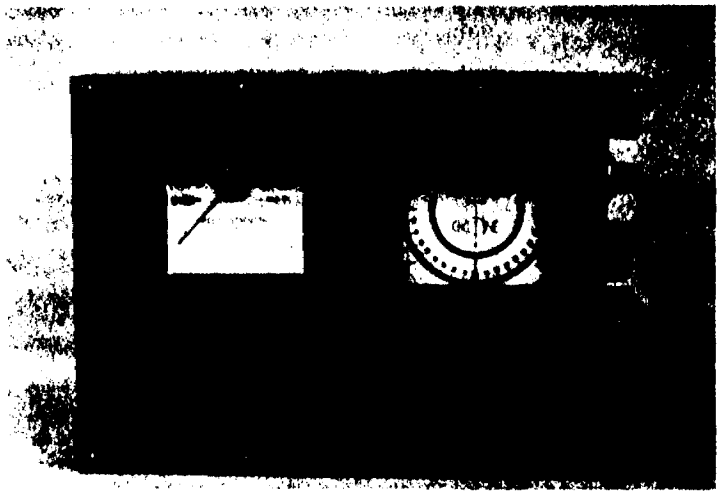
2) Fraser, D. C.
1969: Contouring of VLF-EM Data; Geophysics, Volume 34, Number 6 (December, 1969), P. 958-967.

3) Pyke, D. R.
1978: Geology of the Redstone River Area, Report 161, p. 44.

4) ONTARIO DEPARTMENT OF MINES & NORTHERN AFFAIRS.
1970: Geological Preliminary Map, McArthur Township, P. 631.

APPENDIX A

CRONE GEOPHYSICS LIMITED
RADEM VLF EM RECEIVER



An EM receiver measuring the FIELD STRENGTH, DIP ANGLE and QUADRATURE components of the VLF communications stations.

This is a rugged, simple to operate, ONE MAN EM unit. It can be used without line cutting and is thus ideally suited for GROUND LOCATION OF AIRBORNE CONDUCTORS and RECONNAISANCE SURVEYS of MINERAL SHOWINGS. This instrument utilizes higher than normal EM frequencies and is capable of detecting poorly conductive sulphide deposits and fault zones. It accurately isolates BANDED CONDUCTORS and operates through areas of HIGH POWERLINE NOISE. The method is capable of deep penetration but due to the high frequency used its penetration is limited in areas of clay and conductive overburden.

The DIP ANGLE measurement detects a conductor from a considerable distance and is used primarily for locating conductors The FIELD STRENGTH measurement is used to define the shape and attitude of the conductor.

- Instrument Sales, Rental and Repair Services
- Contract Survey Services
- Consulting Services
- Computer Plotting and Processing Services

HEAD OFFICE: 3607 Wolfedale Rd.
MISSISSAUGA, Ontario
CANADA L5C 1V8
PHONE: (416) 270-0096
TELEX: 06-961260

SPECIFICATIONS*

SOURCE OF PRIMARY FIELD: VLF Communications Stations 1 to 25 KHz

NUMBER OF STATIONS: 7 Switch Selectable

STATIONS AVAILABLE: The Seven Stations May Be Selected From:

	CODE	STATION & LOCATION	CALL SIGN	FREQUENCY
Standard	CM	Cutler, Maine	NAA	24.0 KHz
"	SW	Seattle, Washington	NLK	24.8 KHz
"	AM	Annapolis, Maryland	NSS	21.4 KHz
"	H	Laulualei, Hawaii	NPM	23.4 KHz
"	BOF	Bordeaux, Frace	NWU	15.1 KHz
"	E	Rugby, England	GBR	16.0 KHz
Optional	MS	Moscow, Russia	UMS	17.1 KHz
"	OD	Odessa (Black Sea)	EWB	15.6 KHz
"	NC	Exmouth, Australia	NWC	22.3 KHz
"	HN	Helgelend, Norway	JXZ	17.6 KHz
"	YJ	Yosamai, Japan	NDT	17.4 KHz
"	TJ	Tokyo, Japan	JG2AR	20.0 KHz
"	BA	Buenos Aires, Argentina		23.6 KHz

CHECK THAT STATION IS TRANSMITTING: Audible signal from speaker.

PARAMETERS MEASURED:

(1) DIP ANGLE in degrees of the magnetic field component, from the horizontal, of the major axis of the polarization ellipse. Detected by a minimum on the field strength meter and read from an inclinometer with a range of ±½°.

(2) FIELD STRENGTH (total or horizontal) of the magnetic component of the VLF field, (amplitude of the major axis of the polarization ellipse). Measured as a percent of normal field strength established at a base station. Accuracy ±2% dependent on signal. Meter has two ranges: 0-300% and 0-600%.

(3) QUADRATURE component of the magnetic field, perpendicular in direction to the resultant field, as a percent of the normal field strength, (amplitude of the minor axis of the polarization ellipse). This is the minimum reading of the Field Strength meter obtained when measuring the dip angle. Accuracy ±2%.

OPERATING TEMPERATURE RANGE: −40°C to 50°C (−40°F to 120°F)

DIMENSIONS: 9 cm x 19 cm x 27 cm (3½" x 7½" x 10½")

SHIPPING DIMENSIONS: 30 cm x 14 cm x 36 cm (11⅞" x 5½" x 14")

WEIGHT: 2.7 kg (6 lbs)

SHIPPING WEIGHT: 6.0 kg (13 lbs)

BATTERIES: 2 of 9 volt
Average Life Expectancy
20 Hours for Continuous Operation

Specifications subject to change without notice

Ontario

Ministry of Natur

42A03NW0004 2.8595 MCARTHUR

900

GEOPHYSICAL – GEOLOGIC TECHNICAL DATA STATEMENT

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
FACTS SHOWN HERE NEED NOT BE REPEATED IN REPORT
TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) VLF (RADEM) & FRASER FILTER

Township or Area McARTHUR TOWNSHIP

Claim Holder(s) RICHARD LAVOIE

106 CAMERON ST. TIMMINS, ONT.

Survey Company EXSICS EXPLORATION LIMITED

Author of Report J. C. GRANT

Address of Author P.O. BOX 1580, TIMMINS, ONT.

Covering Dates of Survey OCTOBER 10, 11, 1985 (linecutting to office)

Total Miles of Line Cut 2.75 Miles.

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	20
–Magnetometer	
–Radiometric	
–Other	
Geological	
Geochemical	

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

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

DATE: Oct 22/85 SIGNATURE: J. C. Grant
Author of Report or Agent

Res. Geol. _____ Qualifications 25347

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
P	833271
P	833272
P	833273

If space insufficient, attach list

TOTAL CLAIMS 3

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations 150 Number of Readings 155

Station interval 100' & 50' DETAIL Line spacing 300'

Profile scale 1" = 200' = ± 20 %

Contour interval 5 % FOR FRASER FILTERING.

MAGNETIC

Instrument

Accuracy – Scale constant

Diurnal correction method

Base Station check-in interval (hours)

Base Station location and value

ELECTROMAGNETIC

Instrument CRONE VLF-EM, RADEM RECEIVER

Coil configuration

Coil separation

Accuracy RANGE OF ± 90° WITH AN ACCURACY OF ± 1/2 DEGREE

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

Frequency 24.8 KHz (SEATTLE, WASHINGTON.)
(specify V.L.F. station)

Parameters measured DIP ANGLE MEASUREMENT, IN DEGREES OF THE MAGNETIC FIELD COMPONENT, FROM THE HORIZONTAL.

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

Your File # 2.8595 2.8595 May 16

Ministry of Natural Resources
Ontario

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

099/86.

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): VLF EM SURVEY.	Township or Area: M'ARTHUR.
Claim Holder(s): R. LAVOIE (Yvon Colline -31425)	Prospector's Licence No.: M-71092
Address: 106 CAMERON ST. NORTH.	
Survey Company: EXSICS EXP. LTD.	Date of Survey (from & to): 11 3 86 / 12 03 86 (Day / Mo. / Yr.)
Name and Address of Author (of Geo-Technical report): J. C. GRANT BOX 1880, TIMMINS, ONT.	Total Miles of line Cut: 1.2

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	3.
	- Magnetometer	
	- Radiometric	
For each additional survey: using the same grid: Enter 20 days (for each)	- Other	
	Geological	
	Geochemical	

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

RECEIVED
APR 14 1986
MINING LANDS SECTION

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.
P.	833271	
	833272	
	833273	

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.

RECORDED
MAR 27 1986

PORCUPINE MINING DIVISION
RECEIVED
MAR 27 1986

Total number of mining claims covered by this report of work: 3.

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: 9	Date Recorded: Mar 27/86	Mining Recorder:
	Date Approved as Recorded: See Revised Statement	Branch Director

Date	Recorded Holder or Agent (Signature)
Mar 27/86	J. C. Grant

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: J. C. GRANT BOX 1880

TIMMINS, ONT. P4N-7X1

Date Certified: Mar 27/86 Certified by (Signature): J. C. Grant

1362 (81/9)

Ontario Ministry of Natural Resources

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

F 374/85
2.8595

Oct. 31

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): VLF-EM	Township or Area: Mc Arthur
Claim Holder(s): Richard Lavoie	Prospector's Licence No.: M-21092
Address: 106 Cameron, Timmins, Ontario	
Survey Company: Exsics Exploration Limited	Date of Survey (from & to): 10 10 85 / 11 10 85 (Yr. Mo. Day) — Total Miles of line Cut: 2.75
Name and Address of Author (of Geo-Technical report): John C. Grant P.O. Box 1880, Timmins, Ont	

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	20
	- Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other	
	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.
P	833273	20
	833272	20
	833271	20

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.

RECEIVED
OCT 30 1985
MINING LANDS SECTION

RECORDED
SEP 11 1985

Total number of mining claims covered by this report of work: 3

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

OCT 11 1985

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: Sept 11/85	Mining Recorder: Stanley
	Date Approved as Recorded: See Revised Statement	Branch Director

Date: Oct 11/85 — Recorded Holder or Agent (Signature): J Grant

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: John C. Grant, Box 1880, Timmins, Ont.

Date Certified: Oct 11/85 — Certified by (Signature): J Grant

1362 (81/9)

REGISTERED

May 22, 1986 File: 2.8595

Mr. R. Lavoie
106 Cameron Street North
Timmins, Ontario
P4N 5B7

Dear Sir:

RE: Geophysical (Electromagnetic) Survey submitted on Mining Claims P 833271, et al, in the Township of McArthur

---

Enclosed is a copy of our letter dated April 16, 1986, requesting additional information for the above-mentioned survey.

Unless you can provide the required data by June 2, 1986 we will have no other alternative but to assess the material on hand and grant assessment work credits accordingly.

For further information, please contact Mr. Ray Pichette at (416) 965-4888.

Yours sincerely,

J.C. Smith, Supervisor
Mining Lands Section

Whitney Block, 6th Floor
Queen's Park
Toronto, Ontario
M7A 1W3

Telephone: (416) 965-4888

SH/mc
cc: J.C. Grant
Box 1880
Timmins, Ontario
P4N 7X1
Encl.

Mining Recorder
Timmins, Ontario
#99-86

April 16, 1986 File: 2.8595

Mr. R. Lavoie
106 Cameron Street, North
Timmins, Ontario
P4N 5B7

Dear Sir:

RE: Geophysical (Electromagnetic) Survey submitted on
Mining Claims P 833271, et al, in McArthur Township

Examination of your electromagnetic reports and maps covering the above-mentioned mining claims, reveals that assessement of your requested credits may not be considered using the Special Provisions method. This is due to the lack of substantial and systematic coverage of each claim in your survey.

Credits will be allowed, however, under the Man-day method provided you complete and return the enclosed Man-day breakdown form.

When returning the above, please quote file 2.8595.

For further information, please contact (Mrs.) Susan Hurst at (4160 965-4888.

Yours sincerely,

J.C. Smith, Supervisor
Mining Lands Section

Whitney Block, 6th Floor
Queen's Park
Toronto, Ontario
M7A 1W3

Telephone: (416) 965-4888

SH/mc

cc: J.C. Grant
Box 1880
Timmins, Ontario
P4N 7X1

Mining Recorder
Timmins, Ontario

Encl.

1986 01 03

Your File: 374/85
Our File: 2.8595

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

Dear Sir:

RE: Notice of Intent dated December 10, 1985
Geophysical (Electromagnetic) Survey on
Mining Claims P 833271, et al, in McArthur
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,

letter - disregard - recast

S.E. Yundt
Director
Land Management Branch

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

SH/mc

cc: Richard Lavoie
106 Cameron Street North
Timmins, Ontario
P4N 5B7

Resident Geologist
Timmins, Ontario

Encl.

Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario

Ministry of Northern Affairs and Mines
Ontario

Technical Assessment Work Credits

File 2.8595

Date 1985 12 10

Mining Recorder's Report of Work No. 374/85

Recorded Holder
RICHARD LAVOIE

Township or Area
McArthur Township

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	
Electromagnetic 17 days	P 833271-72-73
Magnetometer ____ 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

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.

828 (85/9)

Ministry of Natural Resources

Ontario

DECEMBER 25/85

.1985 12 10

Your File: 374/85
Our File: 2.8595

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

Dear Sir:

Enclosed are two copies of a Notice of Intent with statements listing a reduced rate of assessment work credits to be allowed for a technical survey. Please forward one copy to the recorded holder of the claims and retain the other. In approximately fifteen days from the above date, a final letter of approval of these credits will be sent to you. On receipt of the approval letter, you may then change the work entries on the claim record sheets.

For further information, if required, please contact Mr. R.J. Pichette at 416/965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3

SH/mc

Encls.

cc: Richard Lavoie
106 Cameron Street North
Timmins, Ontario
P4N 5B7

Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario

Ministry of Natural Resources

Ontario

Notice of Intent

for Technical Reports

1985 12 10

2.8595/374/85

An examination of your survey report indicates that the requirements of The Ontario Mining Act have not been fully met to warrant maximum assessment work credits. This notice is merely a warning that you will not be allowed the number of assessment work days credits that you expected and also that in approximately 15 days from the above date, the mining recorder will be authorized to change the entries on his record sheets to agree with the enclosed statement. Please note that until such time as the recorder actually changes the entry on the record sheet, the status of the claim remains unchanged.

If you are of the opinion that these changes by the mining recorder will jeopardize your claims, you may during the next fifteen days apply to the Mining and Lands Commissioner for an extension of time. Abstracts should be sent with your application.

If the reduced rate of credits does not jeopardize the status of the claims then you need not seek relief from the Mining and Lands Commissioner and this Notice of Intent may be disregarded.

If your survey was submitted and assessed under the "Special Provision-Performance and Coverage" method and you are of the opinion that a re-appraisal under the "Man-days" method would result in the approval of a greater number of days credit per claim, you may, within the said fifteen day period, submit assessment work breakdowns listing the employees names, addresses and the dates and hours they worked. The new work breakdowns should be submitted direct to the Land Management Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued.

REGISTERED

November 4, 1985 Report Of Work #374

Richard Lavoie
106 Cameron Street North
Timmins, Ontario
P4N 5B7

Dear Sir:

RE: Mining Claims P 833273, et al,
in McArthur Township

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

As the assessment "Report of Work" was recorded by the Mining Recorder on September 11, 1985 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 November 12, 1985.

If the material is not submitted to this office by November 12, 1985 I 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. Arthur Barr at (416)965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

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

AB/mc

cc: John C. Grant
P.O. Box 1880
Timmins, Ontario
P4N 7X1
Encl.

Mining Recorder
Timmins, Ontario

Mining Lands Section

File No 28595

Control Sheet

TYPE OF SURVEY ✓ GEOPHYSICAL

____ GEOLOGICAL

____ GEOCHEMICAL

____ EXPENDITURE

MINING LANDS COMMENTS:

lgd

L.D.

lgd

L.D.

D. Hurst

Signature of Assessor

Jan 6/85

Date

June 6, 1986

Your Files: 374/85, 99/86
Our File: 2.8595

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

Dear Sir:

RE: Geophysical (Electromagnetic) Survey submitted on Mining Claims P 833271, et al, in McArthur Township

---

Please disregard our letter of January 3, 1986 fegarding approval of the above-mentioned survey. The submission has been reassessed at the request of the claim holder.

The assessment work credits, as listed on the attached Statement of Technical Assessment Work Credits, 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,

J.C. Smith, Supervisor
Mining Lands Section

Whitney Block, 6th Floor
Queen's Park
Toronto, Ontario
M7A 1W3

Telephone: (416) 965-4888

SH/mc
cc: Mr. R. Lavoie
106 Cameron Street North
Timmins, Ontario
P4N 5B7

Resident Geologist
Timmins, Ontario

J.C. Grant
Box 1880
Timmins, Ontario
P4N 7X1

Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario

Encl.

Ministry of Northern Development and Mines

Ontario

Technical Assessment Work Credits

File 2.8595

Date June 6, 1986

Mining Recorder's Report of Work No. 374/85, 99/86

Recorded Holder: R. LAVOIE

Township or Area: McARTHUR TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	P 833271-72-73
Electromagnetic 20 days	
Magnetometer ____ 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

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.

2·8595

833211	1/2											
12	N/A											
13	✓											
17												

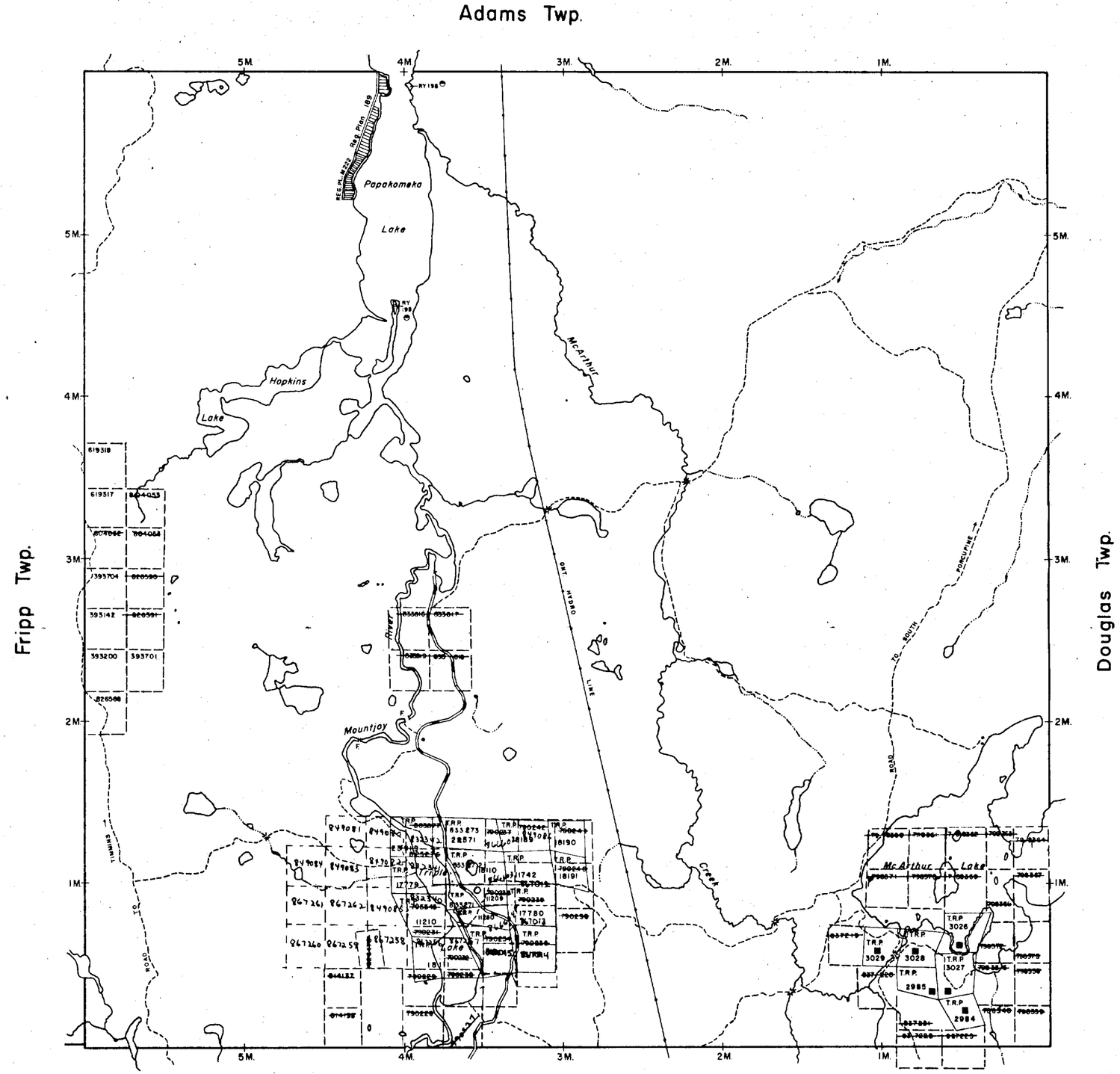
REFERENCES

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

PORCUPINE MINING DIVISION
RECEIVED
MAY 16 1986



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

FEET 0 1000 2000 4000 6000 8000
METRES 0 200 1000 (1 KM) 2000 (2 KM)

TOWNSHIP

McARTHUR

M.N.R. ADMINISTRATIVE DISTRICT

TIMMINS

MINING DIVISION

PORCUPINE

LAND TITLES / REGISTRY DIVISION

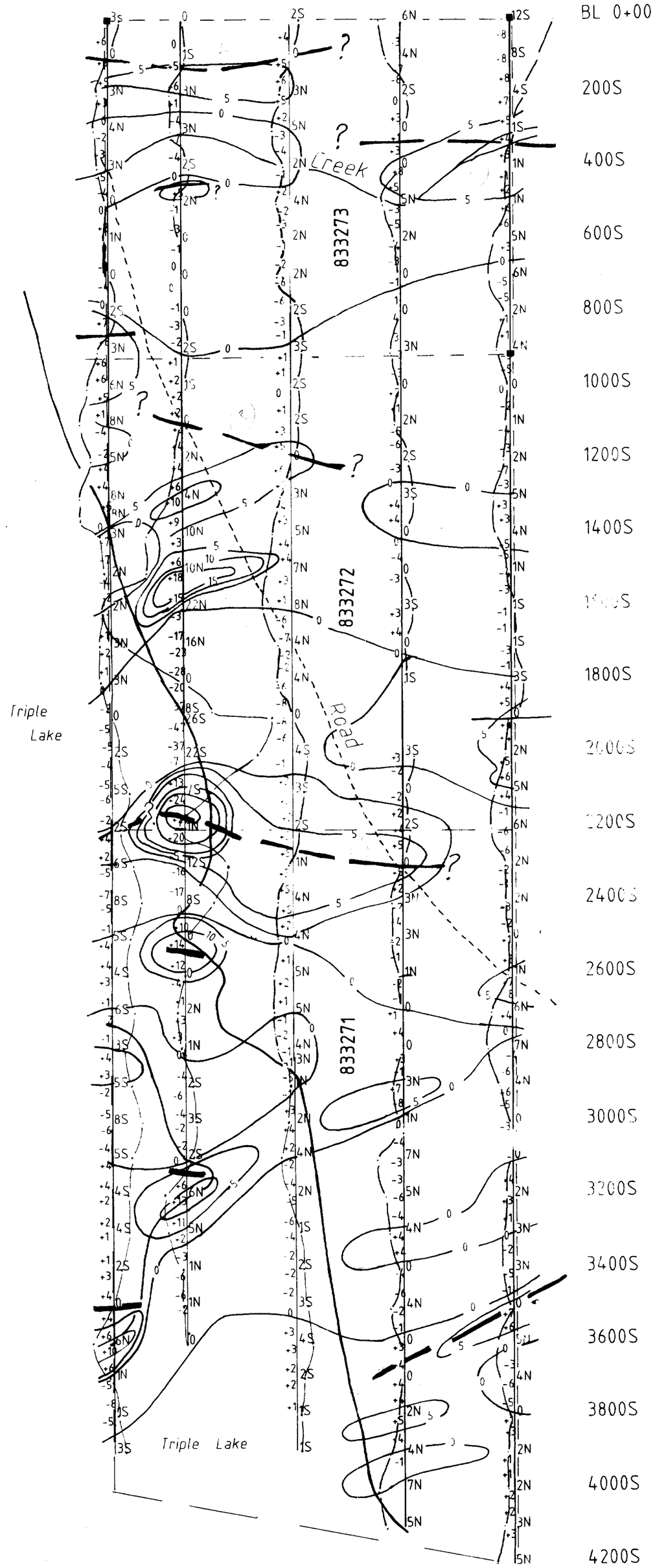
TIMISKAMING

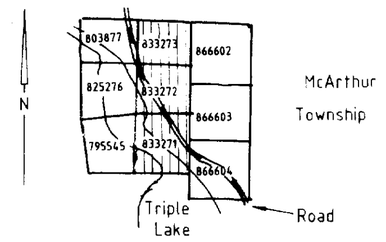
Ontario Ministry of Natural Resources — Land Management Branch

Date	Number
FEBRUARY 1985	G-3227

42A03NW0004 2.8595 MCARTHUR

200



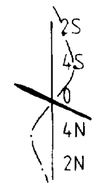


LOCATION MAP
SCALE: 1 inch=1/2 mile

KEY

Conductor Axis: ——— ———

True Conductor:



Dip Angle Measurment: ·——·——

Transmitter Station: Seattle, Washington

Frequency: 24.8 kHz

Unit: Crone VLF Radem

Operator: Exsics Exploration Limited

LEGEND

Claim Post: ■

Claim Line: – – – – – –

Claim Number: 833273

Date: Oct. 10,11 1985 Updated: March 11,1986	Plotting: P, Noël W. Pearson
Scale: 1 inch=200 feet 1 inch=20°	Interpretation: J. Grant

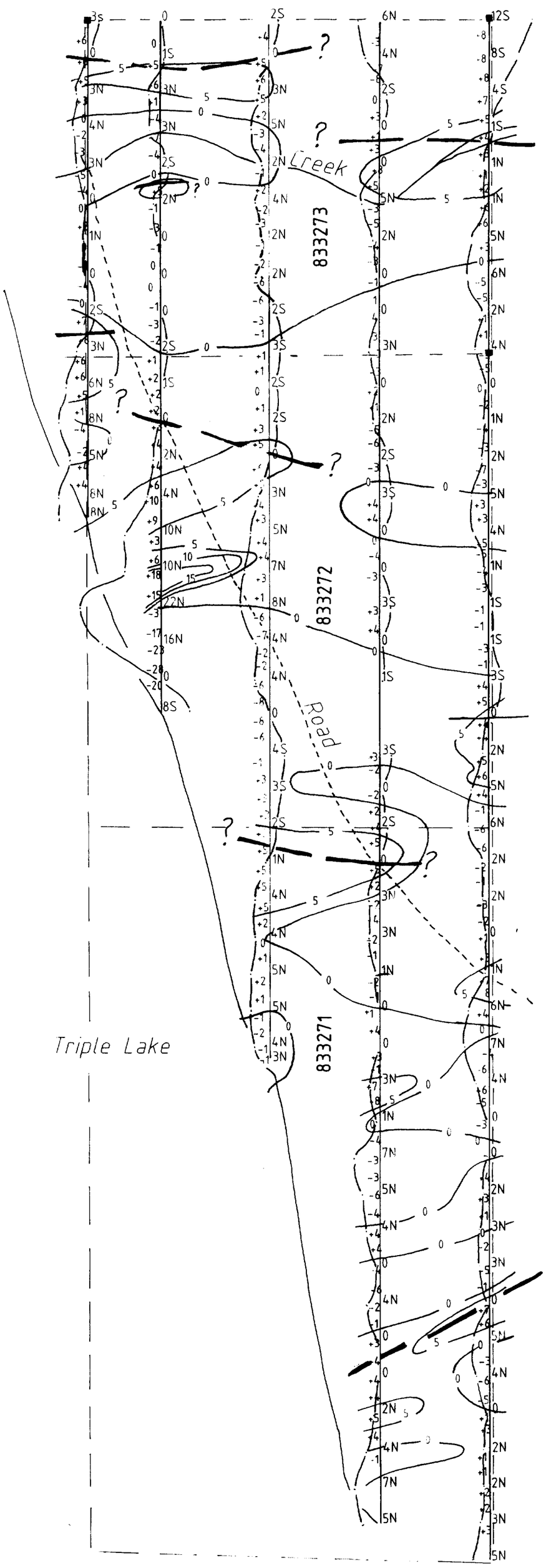
Client: Richard Lavoie

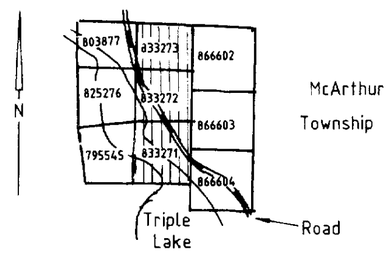
Grid: McArthur Twp. Property

Survey: VLF (Dip and Fraser Filter)

EXSICS EXPLORATION LIMITED

(705) 267 4151



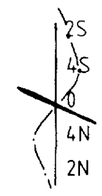


LOCATION MAP
SCALE: 1 inch=1/2 mile

KEY

Conductor Axis: ——— ———

True Conductor:



Dip Angle Measurment: ·———·———·

Transmitter Station:Seattle, Washington

Frequency:24.8 kHz

Unit: Crone VLF Radem

Operator: Exsics Exploration Limited

LEGEND

Claim Post: ■

Claim Line: – – – – – –

Claim Number: 833273

Date:Oct. 10,11 1985	Plotting:P, Noël W. Pearson
Scale: 1 inch=200 feet 1 inch=20°	Interpretation:J. Grant

Client: Richard Lavoie

Grid: McArthur Twp. Property

Survey: VLF (Dip and Fraser Filter)

EXSICS EXPLORATION LIMITED

(705) 267 4151

28595