Ontario

Ministry of Natural Resources

File _____

52N07SE0042

900

TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

RECEIVED
NOV - 2 1981
MINING LANDS SECTION

Type of Survey(s) Linecutting/ VLF E.M. geophysics

Township or Area Shabumeni Lake Area M-2665

Claim Holder(s) Minorex Limited

P.O. Box 1111, Red Lake, Ont. P0V 2M0

Survey Company Independent Exploration/ Minorex

Author of Report Keith Peden / Dominique Doucet

Address of Author P.O. Box 1111, Red Lake, Ont.

Covering Dates of Survey 8 April to 3 August 1981
(linecutting to office)

Total Miles of Line Cut 59,800 feet or 11.3 miles

SPECIAL PROVISIONS CREDITS REQUESTED		DAYS per claim
ENTER 40 days (includes line cutting) for first survey.	Geophysical	
	–Electromagnetic	40
	–Magnetometer	
	–Radiometric	
ENTER 20 days for each additional survey using same grid.	–Other	
	Geological	
	Geochemical	

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

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

DATE: August 3, 1981 SIGNATURE: Keith Peden
Author of Report or Agent

Res. Geol. _____ Qualifications 2.4080

Previous Surveys

File No.	Type	Date	Claim Holder

10

OFFICE USE ONLY

MINING CLAIMS TRAVERSED
List numerically

If space insufficient, attach list

(prefix)	(number)
KRL	526522
KRL	526524
KRL	526525
KRL	526526
KRL	526527
KRL	526528
KRL	526529
KRL	560850
KRL	560851
KRL	560852
KRL	560853
KRL	~~560859~~
KRL	560854
KRL	560855
KRL	560856
KRL	560857
KRL	560858
KRL	560859
KRL	541162
KRL	541163
KRL	541164

TOTAL CLAIMS 20

837 (5/79)

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations 598 Number of Readings 1196

Station interval 100 feet Readings @ 50 feet Line spacing 400 feet

Profile scale ---

Contour interval 20 units

MAGNETIC

Instrument N/A

Accuracy – Scale constant

Diurnal correction method

Base Station check-in interval (hours)

Base Station location and value

ELECTROMAGNETIC

Instrument Crone Radem VLF E.M. Receiver

Coil configuration ---

Coil separation ---

Accuracy +/- ½ degree

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

Frequency Seattle, Washington
(specify V.L.F. station)

Parameters measured Dip angle, measured from the horizontal in degrees, of the direction of the resultant VLF field

GRAVITY

Instrument N/A

Scale constant

Corrections made

Base station value and location

Elevation accuracy

INDUCED POLARIZATION
RESISTIVITY

Instrument N/A

Method ☐ Time Domain ☐ Frequency Domain

Parameters – On time Frequency

– Off time Range

– Delay time

– Integration time

Power

Electrode array

Electrode spacing

Type of electrode

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 _____

Instrument _____

Accuracy _____

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 _____

_____

_____

_____

_____

_____

_____

_____

_____

Ministry of Natural Resources
Ontario

Technical Assessment
Work Credits

File 2.4245

1983 06 30

Recorded Holder	ALAN SANDERSON
Township or Area	SHABUMENI LAKE AREA

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	KRL 526522
Electromagnetic 33 days	KRL 526524 to 29 inclusive
Magnetometer ____ days	KRL 521162 - 63
Radiometric ____ days	
Induced polarization ____ days	
Section 86 (18) ____ days	
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 86 (15a) 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

KRL 521164

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 86(18)-60:

828

2.4245

2.4245

1983 07 26

Mr. Albert Scott Rivett
Mining Recorder
Ministry of Natural Resources
Ontario Government Building
Box 324
Red Lake, Ontario
P0V 2M0

Dear Sir:

RE: Geophysical (V.L.F.) Survey on Mining Claims KRL 526522 et al in the Shabumeni Lake Area

---

The Geophysical (V.L.F.) Survey assessment work credits as listed with my Notice of Intent dated June 30, 1983 have been approved as of the above date.

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

Yours very truly,

E.F. Anderson
Director
Land Management Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone:(416) 965-1380

R. Pichette:mc

cc: Minorex Limited
P.O. Box 1111
Red Lake, Ontario
P0V 2M0

cc: Resident Geologist
Red Lake, Ontario

Ministry of
Natural
Resources

Ontario

July 15/83

Your file:

Our file: 2.4245

1983 06 30

Mr. Albert Scott Rivett
Mining Recorder
Ministry of Natural Resources
Ontario Government Building
Box 324
Red Lake, Ontario
P0V 2M0

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. F.W. Matthews at 416/965-1380.

Yours very truly,

E.F. Anderson
Director
Land Management Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-1316

R. Pichette:mc

cc: Minorex Limited
P.O. Box 1111
Red Lake, Ontario
P0V 2M0

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

Encls:

Ministry of Natural Resources
Ontario

Technical Assessment Work Credits

File 2.4245

1983 06 30

Recorded Holder: MINOREX LIMITED

Township or Area: SHABUMENI LAKE AREA

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical Electromagnetic 35 days Magnetometer ____ days Radiometric ____ days Induced polarization ____ days Section 86 (18) ____ days 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.	KRL 560850 to 58 inclusive

Special credits under section 86 (15a) 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

KRL 560859

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 86(18)-60:

828

Ministry of Natural Resources

Ontario

Notice of Intent

for Technical Reports

1983 06 30

2.4245

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 Lands Management Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued.

Ontario

Ministry of Natural Resources

Notification of recording of assessment work credits

RECEIVED

OCT 15 1981

MINING LANDS SECTION

Lands Administration Branch
Mining Lands Section
Ministry of Natural Resources
Room 1617, Whitney Block
Queen's Park, Toronto
M7A 1W3

Date of recording of work: October 2, 1981

Recorded holder: Minorex Limited

Address: P.O. Box 1111, Red Lake, Ontario POV 2MO

Township or Area: M.2665 Shabumeni Lake

Type of survey and number of Assessment days credit per claim	Mining claims
Geophysical	KRL.560850-560859 inclusive.
Electromagnetic 40 days	
Magnetometer ____ days	
Radiometric ____ days	
Induced polarization ____ days	
Section 86 (18) ____ days	
Geological ____ days	
Geochemical ____ days	
Man days ☐ Airborne ☐	
Special provision ☒ Ground ☒	

Notice to recorded holder:

☒ Survey reports and maps in duplicate be submitted to the Lands Administration Branch, Toronto within 60 days from the date of recording of this work.

☐ Reports and maps are being forwarded to the Lands Administration Branch with this letter.

Rosa L Leato
Acting Mining recorder

c.c. Keith Peden
P.O. Box 1111,
Red Lake, Ontario
POV 2MO

Ontario

Ministry of Natural Resources

Notification of recording of assessment work credits

Lands Administration Branch
Mining Lands Section
Ministry of Natural Resources
Room 1617, Whitney Block
Queen's Park, Toronto
M7A 1W3

RECEIVED
OCT 15 1981
MINING LANDS SECTION

Date of recording of work: October 2, 1981

Recorded holder: Alan Sanderson

Address: P.O. Box 236, Red Lake, Ontario POV 2MO

Township or Area: Shabumeni Lake M.2665

Type of survey and number of Assessment days credit per claim	Mining claims
Geophysical	KRL.526522, KRL.526524-526529 inclusive, KRL.541162-541164 inclusive.
Electromagnetic 40 days	
Magnetometer ____ days	
Radiometric ____ days	
Induced polarization ____ days	
Section 86 (18) ____ days	
Geological ____ days	
Geochemical ____ days	
Man days ☐ Airborne ☐	
Special provision ☒ Ground ☒	

Notice to recorded holder:

☒ Survey reports and maps in duplicate be submitted to the Lands Administration Branch, Toronto within 60 days from the date of recording of this work.

☐ Reports and maps are being forwarded to the Lands Administration Branch with this letter.

Roxana St Louis
Acting Mining recorder

c.c. Keith Peden
Box 1111
RED LAKE, Ontario
POV 2MO

BESTOS

TÉLEX: 05-25582
CÂBLE: "AMASCOLIM"
TÉLÉPHONE: (418) 335-9171

SOCIÉTÉ ASBESTOS LIMITÉE

BUREAU DES OPÉRATIONS: 835 RUE MOONEY
C.P. 9, THETFORD MINES, QUÉBEC, CANADA, G6G 5S1

2.4245

June 16, 1983

Ontario Ministry of Natural Resources
Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3

Attention: Mr. F.W. Matthews

Ref. file: 2.4245

Dear Sir:

As requested in Mr. Scott Rivett's note of May 30th, please find enclosed two (2) copies of the VLF electromagnetic survey plan (no. 2317-Ont-61b) covering the Shabumeni claim group.

Yours truly,

Lionel Poulin ing.

Lionel Poulin, P.Eng.
Chief Engineer
Mine Planning & Geology

LP/dll

xc: Mr. S. Rivett
Mr. A. Hager

1983 05 19 2.4245

Minorex Limited
P.O. Box 1111
Red Lake, Ontario
POV 2MO

Dear Sirs:

RE: Geophysical (V.L.F.) Survey submitted on Mining Claims KRL 526522 et al in the Shabumeni Lake Area.

On consideration of the explanation in your letter of February 24, 1983, assessment work credits will be allowed for the electromagnetic survey of mining claims KRL 526522 et al provided you return the survey maps in duplicate that were sent to Minorex Limited on March 5, 1982.

This acceptance of plans showing only Fraser Filtered DAta is not to be considered a precedent and future submissions must show the original electromagnetic readings as well as profiles.

For further information, please contact Mr. F.W. Matthews at 416/965-1380.

Yours very truly,

E.F. Anderson
Director
Land Management Branch

'Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-1380

F.W. Matthews:sc

cc: Mining Recorder
Red Lake, Ontario

Ministry of Natural Resources
Ontario

Geotechnical Report Approval

File 2.4245

Mining Lands Comments

Will you allow this survey to pass as is.
Please refer to letter underneath.
Arthur.

☑ To: Geophysics Mr. Barlow.

Comments

☒ Approved ☐ Wish to see again with corrections | Date March 23/87 | Signature

☐ To: Geology - Expenditures

Comments

☐ Approved ☐ Wish to see again with corrections | Date | Signature

☐ To: Geochemistry

Comments

L.D.

☐ Approved ☐ Wish to see again with corrections | Date | Signature

☐ To: Mining Lands Section, Room 6462, Whitney Block. (Tel: 5-1380)

1593 (81/10)

Red Lake, Ontario
POV 2MO

February 24, 1983

Mr. F.M. Matthews
Room 6450 Whitney Block
Queen's Park
Toronto, Ontario
M7A 1W3

Dear Sir;

Re: Your file No. 2.4245

Regarding Geophysical (Electromagnetic and Magnetometer) Survey submitted on Mining Claims KRL.526522 et al in the Shabumeni Lake area.

I am enclosing to you a copy of the letter that Mr. Scott Rivett, the Mining Recorder in Red Lake brought to my attention yesterday re: Minorex Ltd. and claim no. KRL.526522 et al in Shabumeni Lake area.

Mr. Anderson was requesting raw data to accompany the maps that were sent in. We did receive a lot of material from Minorex Ltd., - we showed this to Mr. Scott Rivett, but could not find the necessary information.

They did a lot of work on the ground and has wanted to continue, however, the head office got out of the exploration business.

I was not aware of this matter before, Now, we do not know the whereabouts of Mr. Keith Peden and don't know where to turn to get this information for Mr. Anderson's office.

Yours truly,
G. Hager

A. Hager

/cvl

1983 02 21 2.4245

Minorex Limited
P.O. Box 1111
Red Lake, Ontario
P0V 2M0

Attention: Mr. Keith Peden.

Dear Sirs:

RE: Geophysical (Electromagnetic ~~& Magnetometer~~) Survey submitted on Mining Claims KRL 526522 et al in the Area of Shabumeni Lake.

Enclosed is a copy of our letter dated March 5, 1982 requesting additional information for the above mentioned survey.

Unless you can provide the required data by March 7, 1983 the mining recorder will be directed to cancel the work credits recorded on October 2, 1981.

For further information, please contact Mr. F,W, Matthews at 416/965-1380.

Yours very truly,

E.F. Anderson
Director
Land Management Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone: 416/965-1380

Diane Wice:sc

Encls:

cc: Mining Recorder
Red Lake, Ontario

March 5, 1982

2.4245

Minorex Limited
P.O. Box 1111
Red Lake, Ontario
POV 2MO

Attention: Mr. Keith Peden

Dear Sir:

Re: Geophysical (Electromagnetic) Survey submitted on mining claims K R L 526522 et al in the Shabumeni Lake Area

Enclosed are the plans (in duplicate) for the above-mentioned survey. Fraser filtered plans must be accompanied by a set of plans showing the raw date. Please provide new plans at your earliest convenience.

For further information, please contact Mr. F. W. Matthews at 416-965-1380.

Yours very truly,

E. F. Anderson
Director
Land Management Branch

Room 6450, Whitney Block
Queen's Park
Toronto, Ontario
M7A 1W3

c.c. Mining Recorder
Red Lake, Ontario

F. W. Matthews/mcr

Enclosure

1981 11 03 2.4245

Mining Recorder's Office
Ministry of Natural Resources
P.O. Box 324
Ontario Government Bldg.,
Red Lake, Ontario
P0V 2M0

Dear Sir;

We have received reports and maps for a Geophysical (Electromagnetic) survey submitted under Special Provisions (credit for Performance and Coverage) on mining claims KRL 526522 et al in the Shabumeni Lake Area.

This material will be examined and assessed and a statement of assessment work credits will be issued.

Yours very truly

E.F. Anderson
Director
Land Management Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1W3
Phone 416/965-1380

Joan Skura

cc: Alan Sanderson
Red Lake, Ontario

Minorex Limited
Red Lake, Ontario
Attn: Keith Peden

FROM G-41-ML

2.4245

MINOREX LIMITED

INTER-OFFICE MEMORANDUM

From: K. Peden
Exploration Geologist - Red Lake

Date: 3 August 1981

To: D. Bray
Senior Exploration Geologist

SHABUMENI LAKE REPORT: VLF Electromagnetic Survey

INTRODUCTION

The Shabumeni Lake property is located on the east shore of Shabumeni Lake, approximately 55 air miles ENE of Red Lake. (Fig. 1)

Ten claims,numbered KRL 526522, 526524 to 526529, and 541162 to 541164 are owned by a consortium of Red Lake prospectors; A. Hagar, A. Sanderson, J. Green and I. Tetlock. These claims are under option to Minorex Limited. A second contiguous group of 10 claims, numbered KRL 560850 to 560859 are owned by Minorex Limited.

A VLF electromagnetic survey was carried out over these claims between 20 May and 30 June 1981. Interpretation was made by the author from data collected in the field by M. Giroux.

The survey was conducted with a Crone Radem VLF Receiver. The operating technique and technical data are attached in Appendix 1.

Readings were taken at 50 foot intervals along cut lines spaced 400 feet apart. The baseline of the grid trends 040 degrees true and the receiver was tuned to the Seattle transmitter.

The data was Fraser Filtered to permit easier interpretation.

ANOMALOUS ZONES

There were 3 major anomalous zones detected in this survey and all can be explained by features observed in the field.

Anomaly "A"

This anomaly stretches sporadically across the property and delineates the position of the abandoned power line.

Anomaly "B"

Parallel to the baseline, and stretching between Tiki and Kebec Lakes, this anomaly corresponds to a linear swamp. From air photo interpretation, it is felt this swamp is the surface expression of a regional fault. The geophysical responses may be due to the swamp or

to ionized fluids in the fault.

Anomaly "C"

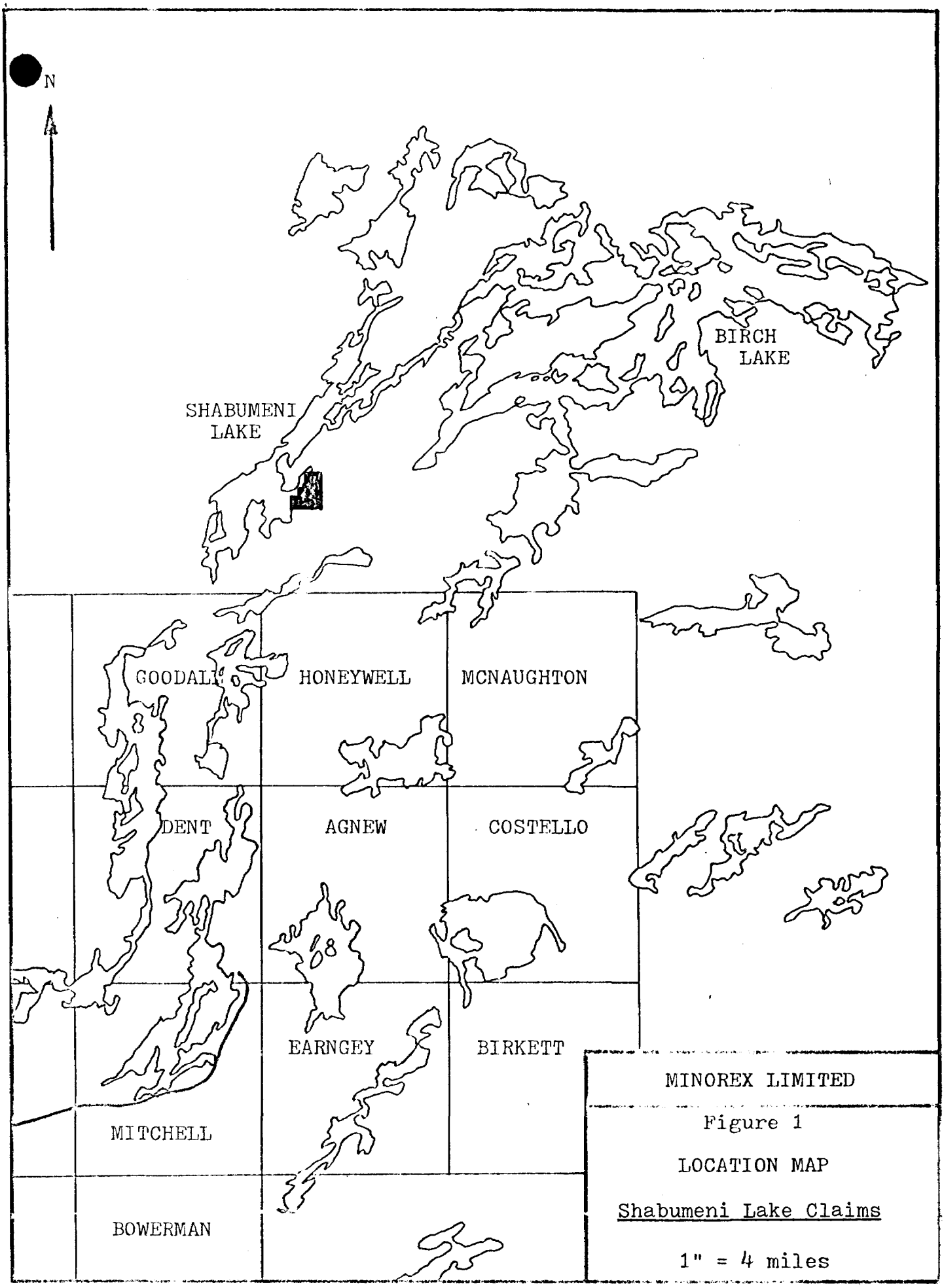
Extending over 5 lines, this anomaly is a partial response from swamp material on the south and from a gabbro intrusive in the north.

All of the remaining anomalous zones of low magnitude can be attributed to conductive overburden.

CONCLUSIONS

No semi continuous quartz veins with geophysically detectable amounts of sulphides were suggested by the results of this survey.

Keith Peden.


N
BIRCH LAKE
SHABUMENI LAKE
GOODALL
HONEYWELL
MCNAUGHTON
DENT
AGNEW
COSTELLO
EARNGEY
BIRKETT
MITCHELL
BOWERMAN
MINOREX LIMITED
Figure 1
LOCATION MAP
Shabumeni Lake Claims
1" = 4 miles

APPENDIX "1"

OPERATION OF THE RADEM VLF-EM RECEIVER

The VLF Communication Broadcast stations are positioned throughout the world. At present,17 of these stations broadcast continuously except for weekly maintenance periods. The broadcast frequency is between 15 and 24 Khz. Using these higher than normal EM frequencies the instrument is capable of detecting disseminated sulphide deposits and small sulphide bodies. It accurately isolates banded conductors and operates through areas of high hydro 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.

A station should be selected that is in the same direction as the regional strike and must be maintained throughout the entire survey.

The field measurement taken is the dip angle of the resultant field. This is the angle of inclination, measured from the horizontal in degrees, of the direction of the resultant VLF field. The VLF field is normally horizontal (0 degrees). The dip angle measurement is independent of the strength of the field and the gain setting of the RADEM receiver. When plotted on a profile the dip angles usually form a cross-over pattern above the conductor as with the standard vertical loop EM method. A filtering method devised by D.C. Fraser(Geophysics, Vol. 34, No. 6,P. 958-967) manipulates the data from profiles to a set of contourable values. This system has been applied to this survey.

To measure the dip angle, the RADEM is first held with the instrument face horizontal and rotated until a null is obtained (visual minimum on the field strength meter and an audio null). This aligns the RADEM with the direction of the VLF field. The RADEM is the held vertically and tilted from right to left until another null is obtained. The instrument is then held steady in the null position and the dip angle read from the inclinometer. Note that the arrow in the Crone logo points towards the conductor, that is, if the arrow points north the dip is read as say 10 degrees north. In making the dip angle measurement, the Normal-Keyed switch must be in the normal position.

LITTLE SHABUMENI LAKE M-2649

SHABU LAKE M-2608

SATTERLY LAKE M-2675

92°45' 92°30'

51°22'30" 51°15'

Shabumeni River

Shabumeni Lake

Birch Lake

Grace Lake

Swain Lake

Washagomis Lake

Wamon River

Bamford L.

Honeywell Cr.

Oskamo River

Swain Post Settlement

6M. 7M. 8M. 9M. 10M. 11M.

1M. 2M. 3M. 4M. 5M.

BEATTY 1926

HEBECO

TRANSMISSION

PROJECTED LINE

GOODALL TWP.

FOR STATUS REFER TO TWP PLAN No. M-2164.

HONEYWELL TWP.

FOR STATUS REFER TO TWP PLAN No. M-2171

McNAUGHTON TWP.

FOR STATUS REFER TO TWP PLAN No. M-2184

22' 21' 20' 19' 18' 17' 16' 15'

92°45' 44' 43' 42' 41' 40' 39' 38' 37' 36' 35' 34' 33' 32' 31' 92°30'

k.k.

513923

AREA OF

SHABUMENI LAKE

DISTRICT OF KENORA
PATRICIA PORTION

RED LAKE
MINING DIVISION

SCALE: 1-INCH = 40 CHAINS

LEGEND

PATENTED LAND	(P)
CROWN LAND SALE	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	C.

NOTES

400' Surface Rights Reservation around all Lakes and Rivers.

PLAN NO. M-2665

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

SHABUMENI LAKE

563597

526528

541164

560522

526526

560859

541163

526529

526524

563598

526527

560858

541162

560850

BASELINE

563599

526525

KÉBEC LAKE

560854

560851

560857

TIKI LAKE

560856

560852

560853

SEATTLE

560855

LEGEND

- 0 - 20
- 20 - 40
- 40 - 60
- OVER 60

0 200 400 600 800

FEET

MINOREX LIMITED

SHABUMENI CLAIM GROUP

RED LAKE, ONTARIO

VLF ELECTROMAGNETIC

INSTRUMENT: CRONE RADEM

READINGS: FRASER FILTERED

OPERATOR: M. SIROUX

2317-ONT-61.b

KCM JULY 1981 1" = 200'