MINOREX LIMITED

1981 ASSESSMENT WORK

VLF-EM SURVEY

WOMAN LAKE CLAIM GROUP

GOODALL TOWNSHIP

RED LAKE MINING DIVISION

Report written by: Keith Peden, Exploration Geologist
Minorex Limited
February 1982

RECEIVED
Apr - 1 1982
MINING LANDS SECTION
1981 ASSESSMENT WORK - VLF-EM SURVEY
WOMAN LAKE CLAIM GROUP

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The Woman Lake Claim Group is located in Goodall Township of the Red Lake Mining Division. It is approximately 50 air miles east of Red Lake and situated between Woman and Washagomis Lakes. The group consists of 62 unpatented mining claims numbered as follows:

- KRL 509730 to KRL 509739 inclusive,
- KRL 526681 to KRL 526687 inclusive,
- KRL 540813 to KRL 540818 inclusive,
- and KRL 541219 to KRL 541257 inclusive.

The first group of 10 claims is held under option by Minorex Limited from a consortium of Red Lake prospectors: A. Hagar, W. Hermiston and B. Crawford. The remaining 52 claims were staked on behalf of Minorex Limited in the autumn of 1980.

A VLF electromagnetic survey was commenced on May 18th, 1981 and completed on 1st September, 1981. The field work was conducted by Mr. M. Trepanier and Mr. B. Foster, with data being Fraser filtered to allow easier interpretation by the author. A Crone RADEM VLF receiver was employed in the survey. Technical data on the operation of the unit is attached in Appendix 1.

Readings were taken at 50 foot intervals along cut lines spaced 400 feet apart. The baseline of the grid trends 030 degrees true and the receiver was tuned to the Seattle transmitter. A total of 4532 readings were taken on a total of 226,600 feet of line.

Previous Work and General Geology

The property was acquired by Minorex Limited in 1980, based on favourable assay returns from grab samples. Subsequently, linecutting and a geological survey were completed over the entire property in 1980 and 1981. A shootback horizontal loop survey was also carried out over the central portion of the property (17 claims) in 1980.

The group is underlain by mafic metavolcanic rocks, however felsic
metavolcanics have been observed locally, as well. This property is
the west limb of the Confederation Lake syncline. Dips and facing
directions are to the east.

Efforts to date have been concentrated on locating carbonatized
and silicified shears, with attendant quartz veining, within the flow
material. It was hoped electromagnetic geophysics would be useful in
defining any such shears, by detecting any associated sulphide min-
eralization. In general, the survey was disappointing.

SURVEY RESULTS

Most anomalous responses in the survey were caused by conductive
overburden. The abandoned powerline that crosses the entire property
was also detected in some traverses.

In all, 10 anomalies, labelled "A" through "J" on the accompany-
ing map, are believed to be induced by bedrock conditions.

Anomaly "A" L24N 27+00W

This is a single point anomaly and has no correlation. It may be
spurious and associated with the swamps to the north and south.

Anomalies "B" "C" & "D" L48N to L60N 0+00

These anomalies may be related as they follow the general strike
of the bedrock. This may be the result of a geological interflow con-
tact or structural activity as no explanation can be offered from
surface observation.

Anomalies "E" & "F" L00 to L4S 22+00E

These anomalies may, also, be related in that they define the
strike of known trenching along a weak shear zone. This may indicate
more intensive shearing and mineralization at depth.

Anomalies "G" "H" "I" & "J" L64S to L72S 30+00E

These anomalies likely indicate two parallel features striking
with the regional bedding. Again, they may be geological or structural
in origin as no surface information is available at this time.

CONCLUSIONS AND RECOMMENDATIONS

All of the recognized anomalies require further investigation. As soon
as the opportunity permits, hydraulic stripping should be initiated
to examine the surface exposure.

Keith D. Peden
TOTAL EXPENDITURES

Claim acquisitions (staking, option payments)
Linecutting
Geophysical Surveys (salaries and rental of instruments)
Geology (salaries)
Diamond Drilling
Assays
Overhead
TECHNICAL DATA ON THE VLF-EM UNIT
INSTRUCTIONS FOR OPERATION OF THE
RADEM VLF-EM RECEIVER

(1) Transmitter Stations

The VLF Communication Broadcast stations are positioned throughout the world. At present, 17 of these stations broadcast steadily except for maintenance periods usually of 1/2 to 1/3 days per week. The RADEM receives any 7 of these stations with selection by means of a switch. The usable range of the stations varies widely with power and transmission conditions but is usually between 1000 and 5000 miles. Two types of signals are broadcast "keyed" (on and off) and "frequency shift" (FM).

A station should be selected that is located in the same direction as the regional strike. For example, if the geological strike is east-west then a station located east or west of the operator should be used. If in doubt of the geological strike two orthogonal stations should be read.

(2) Field Measurements

(a) Dip Angle of 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° dip). 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.

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 audio null). This aligns the RADEM with the
direction of the VLF field. The RADEM is then held vertically and tilted from right to left until another null is obtained. The instrument is held steady in this null position and the dip angle read from the inclinometer. Note that the arrow in CRONE points towards the conductor if the arrow points north the dip angle is recorded as say 10°N. In making the dip angle measurement the Normal-K switch must be in the NORM position.

(b) Out-Of-Phase Measurement (Usually Not Measured)

The secondary field from a ground conductor often is not in the same phase as the primary field, therefore the resultant field will have an out-of-phase component.

To measure the out-of-phase component as a percent of the normal primary field the volume control of the amplifier must be set up as a standard. This is achieved at a base station in a normal area. The Field Strength range switch is placed in the 0 - 300 position. The RADEM held with the face horizontal and the body rotated until a maximum Field Strength reading is obtained. In this position the Volume control is adjusted until the meter reads "100". The Volume control is left at this setting until the base station is read again usually one to several hours later. The Out-Of-Phase reading is the minimum position of the Field Strength meter when the dip angle of the resultant field is being measured. It is read at the same time as the dip angle is being read with the RADEM in the vertical null position.

The Out-Of-Phase measurement is sensitive to a lower order of conductivity than the dip angle measurement. For this reason it is often not recorded unless very poor conductors are being sought.

(c) Horizontal Component of the Field Strength

This is simply the strength of the field in the horizontal plane. It is the maximum reading obtained from the Field Strength meter when the instrument is rotated in the horizontal plane. It is therefore at right angles to the null position. It is usually read after the dip angle measurement simply by holding the RADEM horizontal, the CRONE arrow pointing at right angles to the operator, and adjusting position for maximum reading in the horizontal plane.
If the signal is keyed the Normal-K switch is moved to the "K" position for the field strength reading. It must be returned to the normal position for dip angle measurement.

The field strength of VLF stations drifts with time. This drift is particularly severe during sunrise and sunset periods. A base station should be established in a normal area and the RADEM adjusted to a Horizontal Field Strength of "100" on the "0 - 300" scale by means of the volume control pot. This base or subsidiary base station should be read every one to two hours as in a magnetic survey.

Fraser's Method


This is a simple operation on the dip angle readings that more clearly defines anomalous areas. It requires a consistent reading interval usually 50' or 100'. It produces a survey in which the conductors are contoured much the same as a Horizontal Field Strength survey although lacking the detail possible with the Field Strength measurement.

Example of Field Sheet

<table>
<thead>
<tr>
<th>Station</th>
<th>Out-Of-Phase-%</th>
<th>Dip Angle</th>
<th>Reading</th>
<th>Field Strength</th>
<th>Time Drift</th>
<th>Corr.</th>
</tr>
</thead>
<tbody>
<tr>
<td>10N-Base</td>
<td>0</td>
<td>0</td>
<td>100</td>
<td>9:00</td>
<td>0</td>
<td>100</td>
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<tr>
<td>10+50N</td>
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<td>0</td>
<td>100</td>
<td>:02</td>
<td>0</td>
<td>100</td>
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<tr>
<td>11N</td>
<td>2</td>
<td>2N</td>
<td>99</td>
<td>:04</td>
<td>-1</td>
<td>98</td>
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<tr>
<td>11+50N</td>
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<td>101</td>
<td>:06</td>
<td>-1</td>
<td>100</td>
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<td>12N</td>
<td>102</td>
<td>:08</td>
<td>-2</td>
<td>100</td>
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<td>22N</td>
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<td>-2</td>
<td>116</td>
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<td>20N</td>
<td>185</td>
<td>:12</td>
<td>-2</td>
<td>183</td>
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<td>8N</td>
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<td></td>
<td>114</td>
<td>10:10</td>
<td>-14</td>
<td>100</td>
</tr>
</tbody>
</table>

Remark: Lake, Lake, Road, X' Over.

Cutler, Maine 17.8 KHz - Every Monday 1400 to 1800UT. In the event of a holiday maintenance will be performed on the preceding Friday. Each Wednesday and Thursday, 1200 to 2000UT operation at half power for limited maintenance.

Seattle, Washington 18.6 KHz - First and third Thursday of the month, 1700 to 2200UT

Hawaii, 23.4 KHz - Maintenance Wednesday and Thursday, 1800 to 0200UT

Annapolis, Maryland 21.4 KHz - On the air, maintenance schedule unavailable.

North West Cape, Australia 22.3 KHz - Each Monday 0000 to 0400UT, may be extended to 0600UT when required.

Rugby, England 16.0 KHz - Everyday, 1300 to 1400UT

Yosami, Japan 17.4 KHz - 1st Thursday and Friday of each month, 2200 to 0800UT, all other Thursdays and Fridays, 2200 to 0600UT

List of Available Stations on the RADEM unit

<table>
<thead>
<tr>
<th>Code Letter</th>
<th>Station and Location</th>
<th>Frequency</th>
</tr>
</thead>
<tbody>
<tr>
<td>CM</td>
<td>Cutler, Maine</td>
<td>17.8 KHZ</td>
</tr>
<tr>
<td>SW</td>
<td>Seattle, Washington</td>
<td>18.6 &quot;</td>
</tr>
<tr>
<td>AM</td>
<td>Annapolis, Maryland</td>
<td>21.4 &quot;</td>
</tr>
<tr>
<td>H</td>
<td>Laulualei, Hawaii</td>
<td>23.4 &quot;</td>
</tr>
<tr>
<td>BOF</td>
<td>Bordeaux, France</td>
<td>15.1 &quot;</td>
</tr>
<tr>
<td>E</td>
<td>Rugby, England</td>
<td>16.0 &quot;</td>
</tr>
<tr>
<td>MS</td>
<td>Gorki, Russia</td>
<td>17.1 &quot;</td>
</tr>
<tr>
<td>OD</td>
<td>Odessa (Black Sea)</td>
<td>15.6 &quot;</td>
</tr>
<tr>
<td>NC</td>
<td>Australia, N.W.C.</td>
<td>22.3 &quot;</td>
</tr>
<tr>
<td>YJ</td>
<td>Yosamai, Japan</td>
<td>17.4 &quot;</td>
</tr>
<tr>
<td>HN</td>
<td>Hegaland, Norway</td>
<td>17.6 &quot;</td>
</tr>
<tr>
<td>TJ</td>
<td>Tokyo, Japan</td>
<td>20.0 &quot;</td>
</tr>
<tr>
<td>BA</td>
<td>Buenos Aires</td>
<td>23.6 &quot;</td>
</tr>
</tbody>
</table>

Temperature Effect

Temperature drift may cause the field strength meter to null well below the zero mark. This should be corrected by the screw adjustment below the "Normal" switch on the front panel. Adjust with the volume control pot at 0.

Batteries: Two of #216 Eveready 9 Volt - Life: 20 Hours continuous.

crt.4/1/79
March 24, 1982

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

ATT:  Mr. E.F. Anderson – Director

Dear Sir:

Enclosed are technical reports for assessment work credits on the following properties held by Minorex Limited.

(a) Kapakita Creek Property
Grenfell Township, Larder Lake Mining Division

Claims #:  L545599 and 600
           L545609 and 610
           L545619 to 621 incl.
           L550419 to 423 incl.
           L617446 to 454 incl.

to which a geological, VLF, linecutting, magnetic and geochemical survey is filed in.

A technical report of work and a complete set of maps, in duplicate, are included as required by the Mining Act.

(b) Shabumeni Lake Property
Claim Map M-2665 – Red Lake Mining Division, to which a geological survey is filed in for assessment work credits to claims #:-

           KRL560850 to 858 incl.
           KRL560522
           KRL560524 to 529 incl.
           KRL541162 to 164 incl.
           KRL563597 to 599 incl.

The technical report and maps, in duplicate, are included as required by the Mining Act.

....../2
To: Mr. E.F. Anderson  
March 24, 1982  
Page 2

(c) Woman Lake Property
Goodall Township, Red Lake Mining Division, to which a VLF electromagnetic survey is filed in for assessment work credits to claims #:-

- KRL509730 to 739 incl.
- KRL526681 to 687 incl.
- KRL540813 to 818 incl.
- KRL541219 to 239 incl.
- KRL541241 and 242
- KRL541244 to 255 incl.

The technical report and maps, in duplicate, are included as required by the Mining Act.

I hope that everything is to your entire satisfaction.

Yours truly,

Denis Bray  
Senior, Exploration Geologist  
MINOREX LIMITED

DB/Ilt  
Enclosures
Type of Survey(s)       VLF ELECTROMAGNETIC
Township or Area       GOODALL TOWNSHIP
Claim Holder(s)        MINOREX LIMITED

Survey Company         MINOREX LTD - Box 7 - Thetford
Author of Report       Keith Peden - Exploration Geologist
Address of Author      Box 1111, Red Lake, Ontario P0V2M0
Covering Dates of Survey      May 18 - September 1, 1981
Total Miles of Line Cut

SPECIAL PROVISIONS
CREDITS REQUESTED
Geophysical
- Electromagnetic 1009
- Magnetometer
- Radiometric
- Other

Geological
- Geochemical

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

DATE: Mch. 26, 1982
SIGNATURE: [Signature]

Res. Geol. 2.3055
Qualifications

Previous Surveys
File No. Type Date

MINING CLAIMS TRAVERSED
List numerically

KRL 509730
KRL 509731
KRL 509732
KRL 509733
KRL 509734
KRL 509735
KRL 509736
KRL 509737
KRL 509738
KRL 509739
KRL 526681
KRL 526682
KRL 526683
KRL 526684
KRL 526685
KRL 526686
KRL 526687

TOTAL CLAIMS 56
GEOPHYSICAL TECHNICAL DATA

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

Number of Stations 2266  Number of Readings 4532
Station interval 50 feet  Line spacing 400 feet
Profile scale
Contour interval 0, 20, 40, 60 + degrees

Instrument
Accuracy — Scale constant
Diurnal correction method
Base Station check-in interval (hours)
Base Station location and value

MAGNETIC

Instrument RADEM VLF-EM Receiver
Coil configuration
Coil separation
Accuracy ± 0.5°
Method: □ Fixed transmitter □ Shoot back □ In line □ Parallel line
Frequency Seattle, 18.6 kHz (specify V.L.F. station)
Parameters measured Dip angle of resultant field

ELECTROMAGNETIC

Instrument
Scale constant
Corrections made
Base station value and location
Elevation accuracy

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 — Off time — Delay time — Integration time
Power
Electrode array
Electrode spacing
Type of electrode
**SELF POTENTIAL**

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Range</th>
</tr>
</thead>
<tbody>
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</table>

**Survey Method**

- __________________________

**Corrections made**

- __________________________

---

**RADIOMETRIC**

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<th>Instrument</th>
<th>Values measured</th>
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</thead>
<tbody>
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<td></td>
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</tbody>
</table>

**Energy windows (levels)**

- __________________________

**Height of instrument**

- __________________________

**Background Count**

- __________________________

**Size of detector**

- __________________________

**Overburden (type, depth – include outcrop map)**

- __________________________

---

**OTHERS (SEISMIC, DRILL WELL LOGGING ETC.)**

<table>
<thead>
<tr>
<th>Type of survey</th>
<th>Instrument</th>
<th>Accuracy</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</table>

**Parameters measured**

- __________________________

**Additional information (for understanding results)**

- __________________________

---

**AIRBORNE SURVEYS**

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<th>Type of survey(s)</th>
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</table>

**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
MINING CLAIMS TRAVERSED Cont'd

KRL540813
KRL540814
KRL540815
KRL540816
KRL540817
KRL540818
KRL541219
KRL541220
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KRL541246
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KRL541249
KRL541250
KRL541251
KRL541252
KRL541254
KRL541255
To the Recorder of  RED LAKE  Mining Division

**MINOREX LIMITED**

P.O. BOX 7 - Thetford-Mines, Province of Quebec  G6C 5R9

I,  

name of Recorded Holder

Proctor's Licence

Post Office Address

do hereby report the performance of  Electromagnetic, (VLF) type of work

not before reported to be applied on the following contiguous claims

<table>
<thead>
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<th>Claim No.</th>
<th>Days</th>
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<td>KRL540815</td>
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</tbody>
</table>

All the work was performed on Mining Claim(s)  RED LAKE  (In the case of geological and/or geophysical survey(s) where more than 18 claims are involved attach a schedule)

**READ CAREFULLY: THE FOLLOWING INFORMATION IS REQUIRED BY THE MINING RECORDER.**

For Manual Work, Stripping or Opening up of Mines, Sinking Shafts or Other Actual Mining Operations — Names and addresses of the men who performed the work and the dates and hours of their employment.

For Diamond and other Core Drilling - Footage, No. and angle of holes and diameter of core. Name and address of owner or operator of drill. Dates when drilling was done. Signed core log and sketch in duplicate.

For Compressed Air or Other Power Driven or Mechanical Equipment

Type of drill or equipment. Names and addresses of men engaged in operating equipment and the dates and hours of their employment.

For Power Stripping - Type of equipment. Name and address of owner or operator. Amount expended. Dates on which work was done. Proof of actual cost must be submitted within 30 days of recording.

With each of the above types of work sketches are required to show the location and extent of the work in relation to the nearest claim post. In the case of diamond or other core drilling the sketch must be submitted in duplicate.

For Geophysical, Geological, Geochemical Surveys and Expenditure Credits - the name of author of report, Covering dates of survey (linecutting & office). Type of instrument used. Total amount of expenditure. Technical reports, maps, expenditure breakdown, receipts must be filed in duplicate with the Minister within 60 days of recording.

For Land Survey - the name and address of Ontario Land surveyor.

The Required Information is as Follows: (Attach a list if this space is insufficient)

**SPECIAL PROVISIONS**

VLF Report attached (written by Keith Peden)

3 sets of maps enclosed in duplicate

Date       March 26, 1982

Signature of Recorded Holder or Agent

---

**The Mining Act Certificate Verifying Report of Work**

**To the Recorder of  RED LAKE  Mining Division**

I,  

name of Recorded Holder

Proctor's Licence

Post Office Address

hereby certify:

1. 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 some during and/or after its completion.

2. That the annexed report is true.

Date       March 26, 1982

Signature
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Mining Recorder  
Ministry of Natural Resources  
Ontario Government Building  
Box 324  
Red Lake, Ontario  
POV 2MO

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 509790 et al in the Township of Goodall.

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 1N3  
Phone: 416/965-1316

J. Skura/amc

cc: Minorax Limited  
Thatford Mines, Quebec

cc: Keith Paden  
Red Lake, Ontario
Notification of recording of assessment work credits

Date of recording of work: November 26, 1981

Recorded holder: Minorex Limited

Address: P.O. Box 1111, RED LAKE, Ontario PON 2MO

Township or Area: M.2164 Goodall Twp.

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<th>Mining claims</th>
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<td>KRL.509730-739 inclusive, KRL.526881-687 inclusive, KRL.540813-818 inclusive, KRL.541219-257 inclusive.</td>
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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.
Minorex Limited  
P.O. Box 1111  
Red Lake, Ontario  
POV 2M0  
Attention: Keith Peden

Dear Sirs:

RE: Geophysical (Electromagnetic) Survey submitted on Mining  
Claims KRL 509730 et al in the Township of Goodall.

I notice that the maps submitted with the survey were all  
Fraser filtered. These maps must be accompanied by another  
set of maps showing the raw data plotted at each station.

Upon receipt of these maps, a statement of assessment work credits  
will be issued. 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

A. Barr:sc

cc: Mining Recorder  
Red Lake, Ontario
- need raw data maps

To: Geophysics

Mr. Barlow

Comments

☐ Approved  ☐ Wish to see again with corrections  Date  Signature

☐ To: Geology - Expenditures

Comments

☐ Approved  ☐ Wish to see again with corrections  Date  Signature

☐ To: Geochemistry

Comments

☐ Approved  ☐ Wish to see again with corrections  Date  Signature

☐ To: Mining Lands Section, Room 6462, Whitney Block. (Tel: 5-1360)
1983 07 25

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

Dear Sir:

RE: Geophysical (Electromagnetic) Survey on Mining Claims KRL 509730 et al in the Township of Goodall

The above-mentioned survey was submitted under File 2.4336 and credits have been approved on June 14, 1983. This same survey was submitted a second time under File 2.4674. The credits as listed on the Report of Work for 2.4674 should therefore be deleted.

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

D. Kinvig mc
July 25, 1983

Andy Hager
P.O. Box 236
Red Lake, Ontario
POV 2MO

Dear Sir:

RE: Geophysical (Electromagnetic) Survey submitted on Mining Claims KRL 509730 et al in the Township of Goodall

Please disregard the letter dated July 12, 1983 requesting additional data. This survey has already been assessed and credits have been approved as of June 14, 1983.

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

cc: Mining Recorder
Red Lake, Ontario
July 12, 1983

Andy Hager
P.O. Box 236
Red Lake, Ontario
POV 2M0

Dear Sir:

RE: Geophysical (Electromagnetic) Survey submitted on Mining Claims KRL-509730 et al in the Township of Goodall

Enclosed is a copy of our letter dated January 31, 1983, requesting additional information for the above-mentioned survey.

Unless you can provide the required data by July 25, 1983, the mining recorder will be directed to cancel the work credits recorded on November 26, 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

S. Hurst:mc

Encl.

cc: Mining Recorder
Red Lake, Ontario
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$541250 \times \frac{3}{4} = 85575$

$1760 \div 34 = 52.5$

$1760 \div 52.5 = 33.5$
SHABUMENI LAKE AREA M.2665

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

DATE OF ISSUE
JAN 10 1983
Ministry of Natural Resources
TORONTO

LEGEN
1. PATENTED LAND
2. PATENTED FOR SURFACE RIGHTS ONLY
3. LEASE
4. LICENSE OF OCCUPATION
5. CROWN LAND SALES
6. LOCATED LAND
7. CANCELLED
8. MINING RIGHTS ONLY
9. SURFACE RIGHTS ONLY
10. HIGHWAY & ROUTE NO.
11. ROADS
12. TRAILS
13. RAILWAYS
14. POWER LINES
15. MARSH OR MUSKEG
16. MINES

TOWNSHIP OF
GOODALL
DISTRICT OF
KENORA PATRICIA PORTION
RED LAKE MINING DIVISION

SCALE: 1 INCH = 40 CHAINS (1/2 MILE)

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEY AND MAPS BRANCH

DATE
PLAN NO.
M.2164