# RECEIVED 

FEB 281983
" MAXMIN 12 " REPORT

MINING LANDS SECTION

ALLERSTON OPTION

MATHESON - EVELYN TWP.

FOR

ST. JOE CANADA INC.

Exsics Expl. Ltd.

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GRID 1: GRID AND CLAIMSGRID 2: GRID AND CLAIMSGROUP l: MAX MIN II, $444 \mathrm{H}_{\mathrm{z}}$GROUP 1: MAX MIN II, $1777 \mathrm{H}_{\mathrm{z}}$GROUP 2: MAX MIN II, $444 \mathrm{H}_{\mathrm{z}}$GROUP 2: MAX MIN II, $1777 \mathrm{H}_{\mathrm{z}}$

## INTRODUCTTON

This report deals with a maxmin 11 survey, carried out by Exsics Exploration Ltd. for St. Joe Canada Inc. The results of the survey are explained, in detail, within this report.

LOCATION AND ACCESS

The survey area is located approximately 20 miles northeast of Timmins. Access to the grid was by road from Timmins to the Matheson Evelyn Township line. An Argo was used for access to and from the survey grid.

## GRID CHARACTERISTICS

The survey grid was divided into two groups. Group 1 covered Lots 7 to 10 , Concessions Vl of Matheson Township and Lots 8 to ll, Concession 1 of Evelyn Township. Group 2 covered Lots 4 to 6, Concession Vl of Matheson Toumship.

The actual claims covered are listed below.

| Group 1 |  |  |  |  | Group 2 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| P | 632852 | P | 393105 | P | 393738 |
| P | 632853 | P | 393104 | P | 393739 |
| P | 452498 | P | 393103 | P | 393740 |
| P | 452499 | P | 452461 | P | 393741 |
| P | 452500 | P | 452462 | P | 617737 |
| P | 617738 | P | 452463 | P | 628018 |
| P | 624601 | P | 452464 | P | 628017 |
| P | 624600 | P | 624629 | P | 618931 |
| P | 393110 | P | 624630 | P | 618932 |
| P | 393109 | P | 617736 |  |  |
| P | 393108 | P | 617735 |  |  |
| P | 393107 | P | 617734 |  |  |
| P | 393106 | P | 617733 |  |  |

## LINECUTTING

A total of 54 kilometers of grid lines were cut on Group l. The Baseline azimuth was 090 degrees. Cross lines were chained at 100 meter intervals with station intervals chained at 25 meter intervals.

A total of 23 kilometers of grid lines were cut on Group 2. The Baseline azimuth was 090 degrees. Cross lines were chained at 100 meter intervals with station intervals chained at 25 meter intervals.

## WYPE OF SURVEY

The Maxlin 1.1 survey was carried out using a Apex Parametrics unit. A 150 meter coil seperation was used and freouencies 1777 hz and 444 hz were read on the following lines.

Group 1: MaxHin 11 lines surveyed were $0+00$, 400NE, 800ME, 1200ME, $1600 \mathrm{ME}, 2000 \mathrm{ME}, 2400 \mathrm{MN}, 2800 \mathrm{ME}, 3200 \mathrm{ME}$, $3600 \mathrm{ME}, 4000 \mathrm{ME}$.

Group 2: MaxMin 11 I.ines surveyed were $0+00$, 400NE, 800ME, 1200ME, $1600 \mathrm{ME}, 2000 \mathrm{ME}$.

Detailed explanations of the MaxMin 11 unit and its characteristics are jncluded in the back of this report as Appendix A.

## SURVEY RESULTS

## MaxMin l.l. results for Group \#1 :

The MaxMin 11 survey located 2 possible main zones called $A$ and $B$ and two minor zones.

Zone A
( L 2000ME L 2400ME
@ $1+25 \mathrm{MN}$ to $1+40 \mathrm{MN}$ )
L 2000ME
1777 hz - depth to source of -49 meters

- conductivity value of 1.5 MHOS

L 2400ME
l777hz - depth to source of -60 meters

- conductivity value of 1.5 MHOS

444 hz - depth to source of -88 meters

- conductivity value of 10MHOS
- dip of the zone is near vertical

L 2000ME

| 3.777 hz | $\qquad$ depth to source <br> - 12 meters $\qquad$ conductivity value of 1 MHOS |
| :---: | :---: |
| 444 hz | - depth to source of -82 meters $\qquad$ conductivity value of 6 MHOS |

L2400ME
1777hz
of -27 meters

- conductivity value of 1 MHOS

444 hz - depth to source of $\mathbf{- 8 2}$ meters
_ conductivity value of 6 MHOS
_ dip of this zone
is rear vertical

Secondary Zone:
(L $1600 \mathrm{ME}, 375 \mathrm{MN}$ )

Secondary Zone:
( $\mathrm{I}, 2400 \mathrm{ME}, 775 \mathrm{MIN}$ )

444 hzdepth to source of -75 meters conductivity value of 5 MHOSdepth to source of -12 meters conductivity value of 0.5 MHOS dip is near vertjcal

MaxMin 11 results for Group il 2

The MaxMin 11 survey showed two main zones which may be continuous to both east and west. There was also a short stronger zone to the north-east striking off the grid.

## Characteristics:

Zone A
L 800ME (1.25MS)

$$
\begin{aligned}
\text { 1777hz: } & \text { - depth to source } \\
& \text { of -87 meters } \\
& \text { conductivity value } \\
& \text { of } 2.5 \text { MHOS } \\
& \text { dip of zone near } \\
& \text { vertical } \\
444 \mathrm{hz:} & \text { - } \\
& \text { depth to source } \\
& \text { is undetermined } \\
& \text { due to the weakness } \\
& \text { of the response }
\end{aligned}
$$

Zone $B$ I. 1200 ME (225MN)

LI600ME ( 175 MN )
(L 1200ME)
1777hz: - depth to source of -60 meters

- conductivity value of 1 MHOS

444hz: - depth to source of -87 meters

- conductivity value of 3.5 MHOS
- dip of zone is near vertical
(L 1600ME)
1777hz: - depth to source of $\mathbf{- 3 0}$ meters
- conductivity value of 1 MHOS

444hz: - depth to source of -94 meters

- cond. value 6 MHOS
- dip of zone is near vertical to south

Zone C
L. 2000ME (425-475MN)

$$
\begin{aligned}
\text { l7.77hz: } & \text { - depth to source } \\
& \text { of }-45 \text { meters } \\
& \text { conductivity value } \\
& \text { of } 1 \text { MHOS } \\
444 \mathrm{hz}: & \text { - depth to source } \\
& \text { of -l05 meters } \\
& \text { - onductivity value } \\
& \text { of } 15 \text { mo MHOS } \\
& \text { dip of zone is } \\
& \text { near vertical }
\end{aligned}
$$

## Zone A

This may be a continuous zone between lines 2000KE and 2400 ME. The zone appears to be of bedrock source.

## Zone B

This zone may also be continuous between 2000 NE and 2400 Me. Because of the consistency in depth and NHO value on the 4,4 frequency, the probable source is in bedrock.

## Secondary Zone: I 1600 ME (375MJ)

This zone may continue to the east or west and appears to be a legitimate bedrock response.

## Secondary Zone: J 2.400 ME (775M)

This zone appears to be an overburden response only.


## RECEIVED

aUG: 31 198:
MINING LANDS SECTION

APPENDIX A
Max Min II Specifications

## iPECIFICATIONS:


222.444, 888, 1777 and 3555 Hz .

Max: Trmarmituer coilplone and re. ceiver coil olare horizoncal imax-coupled; Horizoncaliloop model. Used with refencoble.
MIN: Trenerritzer coil delane horizon. tel and receiver coil dene ver. ricm (Min-coupled mode). Used with reference ceble.
V.L. : Tranamicter coilplane vartical and receiver coil plare horizomed (Vercical-loop mode). Used without reference cablé. in parallal lines.
25.30, 100.150,200 \& 250 m (MMI) or $100.200,300.400 .600$ and 800 ft. (MMIF).
Coil eeperetions in V.L.mode not re. suricted to fixed velues.
eremeters Reed:

- In-Phase and Quadraure compo. nerre of the secondery field in MAX and MIN modes.
- Titrangie of the cocal field in. V.L. mode.
edouts:
sale Rangea:
sedablity:
- Auromatic, direct readout on $50 \mathrm{rmm}\left(3.5^{-1}\right.$ ) edoewiee meters in MAX and MIN modes. No nulling or compensetion necessary.
- Tire angle and rull in 90 mm edge. wiee mecers in V.L.mode.
infrese: :20x, $2100 x$ py push. butron ewitch.
Quedreuns: $\pm 20 \%, \pm 100 \%$ by pueh. butzon switch.
Tik: $\quad=75 \%$ slope.
NuH (V.J): Sansirivity odjumble by eeperation mwich.

Ir-Phese and Quedreture: $0.5 \times$. Titc: 1\%

Repentabllity:

Trenamiteer Output: - 222Hz: 175 Aum²
$0.5 \%$ to $21 \%$ normelty, depend on conditions. frequencies and esparation used.

- $44 \Delta H z: 160 \Delta E n^{2}$
- Eashr : 100 Arm²
- 1777Hz : BOAtri2
- 35SSHz : 30AEm²

Receiver Betterias: SV trenc. redio type bacceries Life: acorox. 35tre. contimulu cy (abkaline, 0.5 A ). leas in C weather.

## Tranemiteer

Betterles:

Peference Ceble:

Voice Link:

Indicetor Lighte,:
Built-in signal and reference $m$ ing lighte to indicate erronec reedinos.
Tempereture Renge: $-40^{\circ} \mathrm{C}$ to. $60^{\circ} \mathrm{C}\left(-40^{\circ} \mathrm{F}\right.$ to 190
Receiver Weight: Ekg (13 loe.)
Tranamiteer Weight: 13ko (eg lo.)
Shipping Weight: Typically 60kg (135ibe.), depe ing on quancities of referen cable and berteriee incluo Shipped in two field/atipoing ces

Beclficetions eubject to enenge withour nosificer,

## BRIEF DESCRIPTION OF THE MAXMIN II EM SYSTEM

The MaxMin II is a two-man continuously portable EM system, for which the basic specifications were set down by Mr. Jack Betz following an extensive test programme of eleven continuously portable EM systems in 1972.

The MaxMin II system is designed to measure both the vertical and horizontal in-phase (IP) and quadrature phase (QP) components of the anomalous field from electrically conductive zones. More accurately, the directions of the measured components are perpendicular and parallel to the mean slope between the transmitting coil (TX) and the receiving coil ( $R X$ ).

The plane of the $T x$ is kept parallel to the mean slope between the $T x$ and $R x$ at all times. This means that the MaxMin II is in effect a horizontal loop (HL) system, when the receiver measure anomalous components perpendicular to the mean slope between the coils. It is a minimum-coupled (Min C) system, when the receiver measure anomalous components parallel ta the mean slope between the coils.

Generally the MaxMin II is run in the $H L$ mode with the Min C mode being used in the few instances, where it can improve on the data of the hL mode.

The MaxMin II has the following principal features designed into it:

1) four system frequencies - $-222,444,888$, and 2777 Hz to deal effectively with a wide range of overburden and bedrock conductor conductivities,
2) six $T x-R x$ separations - 25, $50,100,150,200,250$ meters to cope with a wide range of problems from the search for large deep conductive zones to the resolution of shallow, parallel conductive zones,
3) A built-in, easy-to-operate intercom system to insure good co-ordination of the transmitter and receiver operators at all times.
4) Very advanced electronic (active and digital) filtering in the receiver to reduce the interference effects of power line and atmospheric noise,
5) Warning lights to indicate invalid readings,
6) Large scale $I P$ ánd $Q F$ meters giving a fine scale reading precision of $1 / 2$ of the primary field strength at the receiver,
7) Reference cables with tefion insulation and jacket to insure easy pulling at all times.
8) The capability of changing the Rx from the $H 1$ to the Min $C$ mode with no loss of time,
9) Balanced reference voltage and compensator circuitry to eliminate stray coupling effects, and
10) Two-man portability to reduce operating costs.

MAPS

GRID 1: Topography, Claims; MaxMin 11 Survey

GEID2: Topocraphy, Claims; MaxMin 11 Survey

## GEOPHYSICAL - GEOLOGICAL - GEOCHEMICAL 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) Electromagnetic (MaxMin 11)
Township or Area Matheson / Evelyn Twps.
Claim Holder(s) $\frac{\text { St. Joe Canada, Inc. }}{159 \text { Bay St. Toronto, Ont. }}$
Survey Company Exsics Ixploration Limited
Author of Report John C. Grant
Address of Author P.O. Box 1880, Timmins, Ontario

Covering Dates of Survey May to June, 1982
Total Miles of Line Cut 80 km

| SPECIAL PROVISIONS CREDITS REQUESTED | Days |
| :---: | :---: |
|  | Geophysical per claim |
|  | -Electromagnetic_20 |
| ENTER 40 days (includes line cutting) for first | -Magnetometer |
| survey. | -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) DATE:September $5 / 82$ SIGNATURE: $\begin{gathered}\text { Eltomagnetic } \\ \text { (enter days per claim) } \\ \text { Mathor of Report or Agent }\end{gathered}$

Res. Geol.
Qualifications_ $\quad 25347$
Previous Surveys

| File No. | Type | Date | Claim Holder |
| :---: | :---: | :---: | :---: |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
| $V$ |  |  |  |

## MINING CLAIMS TRAVERSED List numerically

(prefix)
(number)
see list attached

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

Number of Stations $\qquad$ Number of Readings
Station interval 25 meters Line spacing __ 400 meters
Profile scale J. $\mathrm{cm}=25 \mathrm{~m}= \pm 10 \%$

Contour interval $\qquad$

Instrument
Accuracy - Scale constant $\qquad$
Diurnal correction method
Base Station check-in interval (hours)
Base Station location and value $\qquad$
Y) Instrument MaxiMin 11 (Apex Parametrics)

- Coil configuration Horizontal Loop

Coil separation 150 meters
Accuracy_ $\pm 1 / 2 \%$ to $\pm 1 \%$
Method:
$\square$ Fixed transmitterShoot back

X In line
Parallel line
Frequency 1777 hz and 44.4 hz (specify V.L.F. station).
Parameters measured inphase and quadrature component of the secondary field.

Instrument $\qquad$
Scale constant
Corrections made $\qquad$
Base station value and location $\qquad$

Elevation accuracy

Instrument $\qquad$
Method $\square$ Time Domain
Parameters - On time $\qquad$ Frequency $\qquad$

- Off time
- Delay time $\qquad$
Range $\qquad$
- Integration time $\qquad$
Power $\qquad$
Electrode array
Electrode spacing
Type of electrode $\qquad$

Group 1

| $P$ | 632852 | $P$ | 393105 |
| :--- | :--- | :--- | :--- |
| $P$ | 632853 | $P$ | 393104 |
| $P$ | 452498 | $P$ | 393103 |
| $P$ | 452499 | $P$ | 452461 |
| $P$ | 452500 | $P$ | 452462 |
| $P$ | 617738 | $P$ | 452463 |
| $P$ | 624601 | $P$ | 452464 |
| $P$ | 624600 | $P$ | 393123 |
| $P$ | 393110 | $P$ | 393124 |
| $P$ | 393109 | $P$ | 617736 |
| $P$ | 393108 | $P$ | 617735 |
| $P$ | 393107 | $P$ | 617734 |
| $P$ | 393106 | $P$ | 617733 |

Group 2
P 393738
P 393739
P 393740
P 393741
P 617737
P 628018
P 628017
P 618931
P 618932

CERTIFICATE

I, John Grant, hereby certify that:

1) I am a 1975 graduate of the three year program in Geological Technology at the Cambrian College of Applied Arts and Technology and I have worked subsequently as Chief Geophysicist for Teak Exploration (5 years) and Exsics Exploration Ltd.
2) The field work described in the attached report was carried out under my supervision and the interpretation and conclusions contained therein are based on my training and professional experience.


Exsics Exploration Ltd.
$w 830600043$

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

42A1 INEO599 2.5406 EVELYN
900
The Mini.s.

- Do not use shaded areas below.


1. Type of survey -..MaxiM/_
2. Township or Area ...Mathesen...and. Evelyn...Tqunships
3. Numbers of Mining Claims Traversed by Survey Group ll. P6328s2, 632853, 452498, $-P 452499,452500,-617738,624601,-624600,393110,393102,393108,393102, \ldots$ P393106, $393105,-393104,393103,-4524-61,-452462,452463,-4,22464,393123 \ldots$ $P .393124,-617736,-617735,-617134,-617.733 ;-G$ roup $2,-293738,-393739, \ldots$ $393740,-393741,-617737,-628018,628017,-618931,618932$
 $\qquad$
*5. Number of Stations Established ... 539. (Readings)
*6. Make and type of Instrument used Apex Pargmetrics Max= Min II. Bertabb E.M.......
*7. Scale Constant or Sensitivity
*8. Frequency Used and Power Output 1722 Hz: 60 Atm ${ }^{2}-444$ Hz: $-16 Q$ Atm $^{2}$
4. Summary of Assessment Credits (details on reverse side)
 Total 8 hour Line-Cutting Days $\qquad$ 0.

Calculation


The dates listed on this form represent working time spent entirely within the limits of the above listed claims Check If otherwise, please explain $\qquad$

Dated:

$\qquad$ Signed:


RECEIVED
Note: (A) * Complete only if applicable.
(B) Complete list of names, addresses and dates on reverser si ff 192 F
(C) Submit separate breakdown for each type of survey.
(D) Submit in duplicate.

MINING LANDS SECTION

Details of Assessment Work Breakdown

FIELD WORK


## CONSULTANTS



DRAUGHTSMAN, TYPING, OTHERS (specify)


TOTAL 8 HOUR TECHNICAL DAYS $\qquad$
LINE-CUTTING


TOTAL 8 HOUR LINE-CUTTING DAYS $\qquad$

Mining Recorder<br>Ministry of Natural Resources<br>60 Wilson Avenue<br>Timmins, Ontario<br>PAN 257<br>Dear Sir:<br>RE: Geophysical (Electromagnetic) Survey on Mining Claims P 393103 et al in the Townships of Matheson \& Evelyn

The Geophysical (Electromagnetic) Survey assessment work credits as listed with my Notice of Intent dated October 19, 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 Manggenent Branch
Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
MFA LW
Phone: 416/965-1880
R. Pichette:sc

CC: St. Joe Canada Incorporated Suite 418
111 Richmond Street West
Toronto, Ontario
MEH 234
cc: Resident Geologist
Timmins, Ontario

Ministry of
Natural
Resources

Your file:
19831019
Our file: 2.5406

Mining Recorder
Ministry of Natural Resources
60 Wilson Avenue
Timmins, Ontario
P4N 2 S7
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

Encls:
cc: St. Joe Canada Incorporated Suite 418 111 Richmond Street West Toronto, Ontario M5H 2 J 4
cc: Mr. G.H. Ferguson
Mining \& Lands Commissioner
845 Toronto, Ontario

Notice of Intent<br>for Technical Reports

19831019
2.5406

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.


| Recorded Holder | ST. JOE CANADA INC |
| :--- | :--- |
| Township or Area | MATHESON \& EVELYN TOWNSHIPS |


| Type of survey and number of Assessment days credit per claim | Mining Claims Assessed |
| :---: | :---: |
| Geophysical <br> Electromsgnetic $\qquad$ 15 days <br> Magnetometer $\qquad$ days <br> Radiometric $\qquad$ days <br> Induced polarization $\qquad$ days <br> Other $\qquad$ days <br> Section 77 (19) See "Mining Claims Assessed" column <br> Geological $\qquad$ days <br> Geochemical $\qquad$ days $\qquad$ Airborne $\square$ <br> Special provision $\square$ Ground $\square$ Credits have been reduced because of partial coverage of claims. Gredits have been reduced because of corrections to work dates and figures of applicant. | ```P 632852-53 452498 to 500 inc]usive 6}773 6 2 4 6 0 0 392103 to 10 inclusive 452463-64 624629-30 617733 to 34 393738. 393740-41 - 6}773 628017-18 618931-32``` |

Special credits under section 77 (16) for the following mining claims

No credits have been allowed for the following mining claims
$\square$ not sufficiently covered by the survey
P 624601
$452461-62$

393739

$617735-36$

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 77 (19)-60:

St. Joe Canada Incorporated
Suite 418
111 Richmond Street West
Toronto, Ontario
M5H 2 J4
Dear Sir:
RE: Geophysical (Electromagnetic) Survey on Mining Claims P 393103 et al in the Townships of Matheson \& Evelyn

We regret having to write to you again, but due to the fact that the line spacing on this survey exceeds 400 feat ( 125 meters), this survey may not be assessed under the "Special Provisions" method.

Please complete and return the enclosed man-days breakdown form, in duplicate. The survey will then be assessed under the provisions of subsection (9) of Section 77 of the Mining Act, R.S.O. 1980.

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.

Approval

Mining Lands Comments


To: Geophysics Ma Baalcous.

| Comments |
| :--- | :--- |
|  |
| Bapproved $\quad \square$ Wish to see again with corrections |
| To: Geology. Expenditures |

$\square$ To: Geology - Expenditures
Comments
To: Geochemistry

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

St. Joe Canada Incorporated
Suite 418
111 Richmond Street Hest
Toronto, Ontario
M5H $2 \mathrm{J4} 4$
Attention: Dave Malloy
Dear Sir:
RE: Geophysical (Electromagnetic) Survey on Mining Claims P 393103 et al in the Townships of Matheson and Evelyn

With reference to our letter of August 8, 1983, enclosed is the last page of the report (in duplicate) which was omitted from our first letter. Please have the author of the report sign each copy.

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.

St. Joe Canada Incorporated
Suite 418
111 Richmond Street West
Toronto, Ontario
M5H $2 J 4$

Dear Sir:
RE: Geophysical (Electromagnetic) Survey on Mining Clains P 393103 et al in the Townships of Matheson \& Evelyn.

Returned herein are four electronagnetic plans (in duplicate) for the above mentioned survey. On each plan. please show the claim lines and claim numbers.

Also enclosed is the last page of the report (in duplicate). Please have the author of the report sign each copy.

When returning this material, please quote File 12.5406.
For further information please contact Mr. F.W. Matthews at 416/965-1380.

Yours very truly.

E.F. Anderson<br>Director<br>Land Management Branch

Whitney Block, Room 6450
Queen's Park
Toronto, Ontario
M7A 1H3
Phone: 416/965-1380
S. Hurst:sc

Encls:
cc: Mr. John Grant Timmins, Ontario
cc: Hining Recorder Timmins, Ontario

Mining Lands Comments


To: Geophysics Mr: Ben low.


To: Geology - Expenditures

| Comments |  |
| :--- | :--- |
|  |  |
|  |  |
| $\square$ Approved | $\square$ Wish to see again with corrections |

To: Geochemistry

| Comments |  |
| :--- | :--- |
|  |  |
|  |  |
| $\square$ Approved | $\square$ Wish to see again with corrections. |

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

Mining Recorder
Ministry of Natural Resources
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

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 $P 393103$ et al in the Township of Matheson and Evelyn.

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

Yours very truly,

E.F. Anderson<br>Director<br>Land Management. Branch<br>Whitney Block, Room 6450<br>Queen's Park<br>Toronto, Ontario<br>M7A 1 W3<br>Phone: 416/965-1380

## A. Barr:sc

cc: St. Joe Canada Inc Suite 418
111 Richmond St.W Toronto, Ontario M5H $2 \mathrm{J4}$
cc: Mr. John Grant P.O. Box 1880 Timalns, Ontario P4N 7XI

Ministry of

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

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.


Pever
The Mining Act hip or Area
Geophysical-MaxMin II
St. Joe Canada Inc.
Suite 418, 111 Richmond St. W., Toronto, Ontario M5H 2J4
Exsics Exploration
Name and Address of Author (of Geo-Technical report) 81 1 ay 0582 John Grant, P.O. Box 1880, Timmins, Ontario

Credits Requested per Each Claim in Columns at right



Instructions
Total Davs Credits may be apportioned at the claim holder's choice. Enter number of days credits per claim selected in columns at right.

Mining Claims Traversed (List in numerical sequence)

| Mining Claim |  | Expend. Davs Cr. | Mining Claim |  | Expend. Days Cr. |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Prefix | Number |  | Prefix | Number |  |
| P | 632852 |  | P | 617735 |  |
|  | 632853 |  |  | 617734 |  |
|  | 452498 |  |  | 617733 |  |
|  | 452499 |  |  | 393738 |  |
|  | 452500 |  |  | 393739 |  |
|  | 617738 |  |  | 393740 |  |
|  | 624601 |  |  | 393741 |  |
|  | 624600 |  |  | 617737 |  |
|  | 393110 |  |  | 628018 |  |
|  | 393109 |  |  | 628017 |  |
|  | 393108 |  |  | 618931 |  |
|  | 393107 |  |  | 618932 |  |
|  | 393106 |  |  |  |  |
|  | 393105 |  |  |  |  |
|  | 393104 |  |  |  |  |
|  | 393103 |  |  |  |  |
|  | 452461 |  |  |  |  |
|  | 452462 |  |  | CE | $E D$ |
|  | 452463 |  |  | 18 |  |
|  | 452464 |  |  |  |  |
|  | 624629 |  |  | LANDS | CTIO1 |
|  | 624630 |  |  |  | *ar |
|  | 617736 |  |  |  |  |

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


Mining Recorde

Feb. 28/83

## 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
Kevin Leonard, 886 Tanager Ave.
Burlington, ontario L7T 212
Date Certified
1362 (81/9)










