

2.2864



42F665W0002 2.2864 F0CH

010

MAGNETIC  
AND  
HORIZONTAL LOOP ELECTROMAGNETIC  
SURVEYS  
FOR  
BRINEX LIMITED  
MANITOUWADGE PROJECT  
GRID: LOWER BOBCAT LAKE, A-E-6

Peter T. George, P.Eng.

Consulting Geologist

July 1978

RECEIVED

DEC 18 1978

MINING LANDS SECTION

GRID: BOBCAT LAKE, A-E-6

INTRODUCTION:

The following report describes the results of ground geophysical surveys completed for Brinex Limited, Manitouwadge Project, Ontario. Line cutting and geophysical surveys were completed during the period June 1 to June 30, 1978.

PROPERTY DESCRIPTION:

The property consists of sixteen contiguous, unpatented mining claims designated as follows:

P501182 to P501191 inclusive

P501208, P501209

P516742 to P516744 inclusive

P516920

PROPERTY LOCATION AND ACCESS:

The property is located in Lessard Township, Porcupine Mining Division, Ontario, approximately 4900 feet west south-west of Bobcat Lake. Access to the property is via aircraft from Hornepayne, Ontario, a distance of approximately four air miles.

GEOPHYSICAL SURVEYS:

Magnetic and horizontal loop electromagnetic surveys were completed on the property.

The magnetic survey was carried out utilizing a Scintrex MP-2 Proton Magnetometer capable of reading total field values to an accuracy of  $\pm 1$  gamma. Readings were taken at 100 foot intervals on all base lines and cross lines. Base stations were established at 100 foot intervals along all base lines and tie lines. Diurnal variation was corrected for by tying in to the base stations at time intervals generally less than one half hour and in no case greater than one hour.

The horizontal loop electromagnetic survey was carried out utilizing an Apex Parametrics Max Min II HEM. The HEM unit measures the in-phase and quadrature components of the secondary field developed in the vicinity of conductive material. The measurements are accurate to  $\pm 1\%$ . Readings were taken at 444 Hz. and 1777 Hz. frequencies utilizing a 400 foot reference cable.

Conductivity-width and depth of overburden determinations are presented on the 444 Hz. HEM maps.

REGIONAL GEOLOGY:

The Manitouwadge-Hornepayne area is underlain by Archean metavolcanic and metasedimentary rocks and high grade metamorphic rocks of probably metavolcanic and metasedimentary origin. Regional deformation, metamorphism, and granitic intrusive activity occurred during the Kenoran orogeny.

In the Manitowadge area base metal mineralization occurs within felsic volcanic rocks. A zone of iron formation occurs near the top of the felsic volcanic unit. The iron formation can be traced for some distance to the east and west of the Manitowadge area utilizing aeromagnetic data. The iron formation generally outlines the stratigraphic interval having the greatest potential in the area for base metal mineralization.

PROPERTY GEOLOGY AND PREVIOUS WORK:

No previous exploration work has been carried out in the vicinity of the property.

The property is probably underlain by migmatitic biotite-quartz-feldspar gneiss.

GEOPHYSICAL RESULTS:

MAGNETIC SURVEY (Map 4C, in pocket)

Maximum magnetic relief on the property is 14,100 gammas. The magnetic data displays very high magnetic relief except in the north central sector of the property where the relief is generally less than 500 gammas.

The magnetic relief is caused by a series of narrow, elongate magnetic anomalies. The anomalies have an east-west strike direction and are probably due to magnetite bearing horizons within gneissic rocks.

Depths to bedrock based on the magnetic data in the vicinity of the HEM anomalies are as follows:

<u>Line/Station</u>	<u>Depth to Bedrock</u>
4W/11N	120
16W/12+50N	20
28W/15N	30
00/23+50N	75

ELECTROMAGNETIC SURVEY (Maps 4A, 4B, 4D, 4E, in pocket)

Three electromagnetic anomalies were located during the survey.

Anomaly A

Anomaly A occurs from line 32E to line 28W and probably extends off the property to the west. The zone displays intermittent response at 444 Hz. The response at 444 Hz outlines a thin to 130 feet wide zone that varies in conductivity-width from very low to 240 mhos along strike. Depth of burial varies from 20 to 240 feet.

Detailed coverage of Anomaly A on lines 8W, 20W, 20E, and 24E provides the following data:

<u>Line/Station</u>	<u>Width (Feet)</u>	<u>Conductivity-Width (Feet)</u>	<u>Depth of Burial</u>
8W/12+25N	25	185	20
20W/16N	80	165	20
20E/12+50N	20	230	40
24E/12+50N	60	260	10

The conductive zone occurs along the north flank of a 2000 to 5000 gamma magnetic anomaly.

Anomaly B

Anomaly B occurs from line 4W to line 28W and may extend off the property to the west. The zone displays intermittent response at 444 Hz. The 444 Hz/400 foot cable data outlines a thin conductive zone with a conductivity-width of 0 to 115 mhos and a depth of burial of 100 to 230 feet.

Detailed coverage on line 20W with a 100 foot reference cable indicates a conductive zone 50 feet wide with a conductivity-width of 230 mhos and a depth of burial of 15 feet.

The zone is non magnetic.

Anomaly C

Anomaly C occurs from line 8W to line 24E. The 444 Hz/400 foot cable data indicates a conductive zone that varies in width from thin to 40 feet with a conductivity-width of 18 to 173 mhos and a depth of burial of 50 to 250 feet.

Detailed coverage of Anomaly C on lines 0 and 4E indicates a conductive zone 30 feet wide with a conductivity-width of 50 to 140 mhos and a depth of burial of 35 to 50 feet.

The conductive zone occurs along the south flank of a 2000 to 9000 gamma magnetic anomaly.

CONCLUSIONS AND RECOMMENDATIONS:

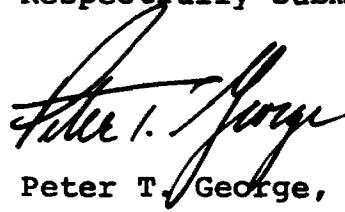
The property is probably underlain by a sequence of migmatitic biotite-quartz-feldspar gneisses. The elongate magnetic

anomalies on the property are probably due to magnetite bearing meta-iron formation.

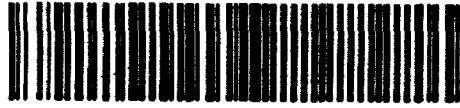
Three electromagnetic anomalies were located during the survey. All warrant follow-up by diamond drilling. Initial drill holes should be located as follows:

<u>Anomaly</u>	<u>Line/Station</u>	<u>Bearing</u>	<u>Dip</u>
A	20W/15+75N	180°	-50°
B	20W/15+75N	0°	-50°
C	4E/21+00N	0°	-50°

Respectfully submitted,



Peter T. George, P.Eng.  
Consulting Geologist



42F065V0002 2.2864 F0CH

020

MAGNETIC  
AND  
HORIZONTAL LOOP ELECTROMAGNETIC  
SURVEYS  
FOR  
BRINEX LIMITED  
MANITOUWADGE PROJECT  
GRID: LINBARR LAKE, A-E-1,2

Peter T. George, P.Eng.

Consulting Geologist

July 1978

RECEIVED  
JUL 19 1978  
MINING LANDS SECTION



GRID: LINBARR LAKE, A-E-1,2

INTRODUCTION:

The following report describes the results of ground geophysical surveys completed for Brinex Limited, Manitouwadge Project, Ontario. Line cutting and geophysical surveys were completed during the period June 1 to June 30, 1978.

PROPERTY DESCRIPTION:

The property consists of eight contiguous, unpatented mining claims designated as follows:

P501192 to P501197 inclusive

P516741, P516740

PROPERTY, LOCATION AND ACCESS:

The property is located in Foch Township, Porcupine Mining Division, Ontario, approximately 800 feet west of Linbarr Lake. Access to the property is via aircraft from Hornepayne, Ontario, a distance of approximately ten air miles.

GEOPHYSICAL SURVEYS:

Magnetic and horizontal loop electromagnetic surveys were completed on the property.

The magnetic survey was carried out utilizing a Scintrex MP-2 Proton Magnetometer capable of reading total field values to an accuracy of  $\pm 1$  gamma. Readings were taken at 100 foot intervals on all base lines and cross lines. Base stations were established at 100 foot intervals along all base lines and tie lines. Diurnal variation was corrected for by tying in to the base stations at time intervals generally less than one half hour and in no case greater than one hour.

The horizontal loop electromagnetic survey was carried out utilizing an Apex Parametrics Max Min II HEM. The HEM unit measures the in-phase and quadrature components of the secondary field developed in the vicinity of conductive material. The measurements are accurate to  $\pm 1\%$ . Readings were taken at 444 Hz. and 1777 Hz. frequencies utilizing a 400 foot reference cable.

Conductivity-width and depth of overburden determinations are presented on the 444 Hz. HEM maps.

REGIONAL GEOLOGY:

The Manitowadge-Hornepayne area is underlain by Archean metavolcanic and metasedimentary rocks and high grade metamorphic rocks of probably metavolcanic and metasedimentary origin. Regional deformation, metamorphism, and granitic intrusive activity occurred during the Kenoran orogeny.

In the Manitowadge area base metal mineralization occurs within felsic volcanic rocks. A zone of iron formation occurs near the top of the felsic volcanic unit. The iron formation can be traced for some distance to the east and west of the Manitowadge area utilizing aeromagnetic data. The iron formation generally outlines the stratigraphic interval having the greatest potential in the area for base metal mineralization.

#### PROPERTY GEOLOGY AND PREVIOUS WORK:

No previous exploration work has been carried out in the vicinity of the property.

The property is underlain by migmatitic biotite-quartz-feldspar gneiss with approximately 50% granitic and pegmatitic material. Gneissosity on the property has a generally east-west strike with steep dips.

#### GEOPHYSICAL RESULTS:

##### MAGNETIC SURVEY (Map 1C, in pocket)

Maximum magnetic relief on the property is 4,270 gammas. The magnetic data displays generally high magnetic relief north of the base line due to the occurrence of a number of narrow, elongate, east-west trending magnetic anomalies. South of the base line the magnetic data displays moderate to low magnetic relief with the exception of a 500 to 1000 gamma magnetic anomaly that crosses the south edge of the property.

The narrow magnetic anomalies are probably due to magnetite bearing horizons within the gneisses that underlie the property.

Depth to bedrock estimates for a number of areas of the property are as follows:

<u>Line/Station</u>	<u>Depth to Bedrock (feet)</u>
12W/6N	75
24W/5N	30
32W/6N	125
4W/7S	50
00/17S	50
20W/16S	50
36W/17+50S	80

The depth to bedrock estimates obtained from the magnetic data is in general approximately 50 percent less than the depth estimates obtained from the 444 Hz. HEM data (Map 1A, in pocket).

ELECTROMAGNETIC SURVEY (Maps 1A, 1B, 1D, 1E, in pocket):

Two electromagnetic anomalies were located during the survey.

ANOMALY A

Anomaly A occurs from line 12W to 20W. The 444 Hz data for 400 foot and 600 foot cables indicates a conductive zone up to 80 feet wide with a depth of burial of 140 to 220 feet.

The 200 foot cable data indicates the presence of two thin, parallel conductors with a depth of burial of 40 to 60 feet. The shorter cable data provides better definition and is probably a better indication of the nature of the conductor.

The depth estimates correlate closely with those obtained from the magnetic data.

An 1800 to 3800 gamma magnetic anomaly occurs along the south flank of the HEM anomaly.

#### ANOMALY B

Anomaly B crosses the south part of the property and probably extends off the property to the east and west.

The best response is on line 8W. Detailed HEM work utilizing a 200 foot cable indicates a conductive zone 60 feet wide with a depth of burial of 60 feet and a conductivity-width in excess of 350 mhos.

The 400 foot cable data indicates a zone that varies from thin to 60 feet wide, with a depth of burial of 115 to 240 feet. The conductivity-width data ranges from 18 to 135 mhos.

The conductive zone is basically non magnetic with the exception of lines 4W and 16W where there are weak (50 to 125 gamma) coincident magnetic anomalies.

#### CONCLUSIONS AND RECOMMENDATIONS:

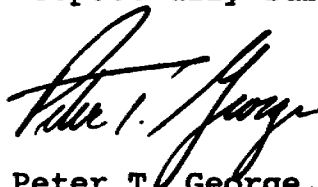
The property is underlain by migmatitic biotite-quartz-feldspar gneiss. The narrow, elongate magnetic anomalies that occur on the property are probably due to magnetite bearing meta-iron formation.

Anomaly A occurs along the north flank of an inferred iron formation. The conductivity is probably due to two thin bands of sulphides within or immediately adjacent to the iron formation.

Anomaly B is non-magnetic and probably is caused by a thin sulphide horizon. The sulphide horizon may contain some pyrrhotite in the vicinity of lines 4W and 16W.

It is recommended that one drill hole be planned to evaluate Anomaly B. The hole should be spotted on line 8W at station 9+50S bearing true north at a dip of  $-50^{\circ}$ .

Respectfully submitted,



Peter T. George, P.Eng.  
Consulting Geologist



42F665W6662 2.2864 FOCH

030

MAGNETIC  
AND  
HORIZONTAL LOOP ELECTROMAGNETIC  
SURVEYS  
FOR  
BRINEX LIMITED  
MANITOUWADGE PROJECT

GRID: VISON LAKE, A-E-4

Peter T. George, P.Eng.,  
Consulting Geologist  
July 1978

RECEIVED  
DEPT. OF MINES  
MINING LANDS SECTION

GRID: VISON LAKE, A-E-4

INTRODUCTION:

The following report describes the results of ground geophysical surveys completed for Brinex Limited, Manitouwadge Project, Ontario. Line cutting and geophysical surveys were completed during the period June 1 to June 30, 1978.

PROPERTY DESCRIPTION:

The property consists of five contiguous, unpatented mining claims designated as follows:

P501198 to P501201 inclusive

P516917

PROPERTY LOCATION AND ACCESS:

The property is located in Lessard Township, Porcupine Mining Division, Ontario, approximately 4000 feet north of Vison Lake.

Access to the property is via aircraft from Hornepayne, Ontario, a distance of approximately eight air miles.



GEOPHYSICAL SURVEYS:

Magnetic and horizontal loop electromagnetic surveys were completed on the property.

The magnetic survey was carried out utilizing a Scintrex MP-2 Proton Magnetometer capable of reading total field values to an accuracy of  $\pm 1$  gamma. Readings were taken at 100 foot intervals on all base lines and cross lines. Base stations were established at 100 foot intervals along all base lines and tie lines. Diurnal variation was corrected for by tying in to the base stations at time intervals generally less than one half hour and in no case greater than one hour.

The horizontal loop electromagnetic survey was carried out utilizing an Apex Parametrics Max Min II HEM. The HEM unit measures the in-phase and quadrature components of the secondary field developed in the vicinity of conductive material. The measurements are accurate to  $\pm 1\%$ . Readings were taken at 444 Hz. and 1777 Hz. frequencies utilizing a 400 foot reference cable.

Conductivity-width and depth of overburden determinations are presented on the 444 Hz. HEM maps.

REGIONAL GEOLOGY:

The Manitowadge-Hornepayne area is underlain by Archean metavolcanic and metasedimentary rocks and high grade metamorphic rocks of probably metavolcanic and metasedimentary origin. Regional deformation, metamorphism, and granitic intrusive activity occurred during the Kenoran orogeny.

In the Manitowadge area base metal mineralization occurs within felsic volcanic rocks. A zone of iron formation occurs near the top of the felsic volcanic unit. The iron formation can be traced for some distance to the east and west of the Manitowadge area utilizing aeromagnetic data. The iron formation generally outlines the stratigraphic interval having the greatest potential in the area for base metal mineralization.

PROPERTY GEOLOGY AND PREVIOUS WORK:

No previous exploration work has been carried out in the vicinity of the property.

The property is underlain dominantly by biotite-quartz-feldspar gneiss. A zone of rusty weathering biotite gneiss crosses the north part of the property. Gneissosity on the property has a generally east-west strike with steep dips.

GEOPHYSICAL RESULTS:

MAGNETIC SURVEY (Map 2C, in pocket)

Maximum magnetic relief on the property is 4000 gammas. The magnetic data displays moderate to high magnetic relief with a definite east-west to east-southeast strike trend. A prominent 2000 to 4000 gamma anomaly crosses the central part of the property.

The narrow, elongate magnetic anomalies are probably due to magnetite bearing horizons within the gneissic rocks that underlie the property.

Depth to bedrock estimates for the central sector of the property are as follows:

<u>Line/Station</u>	<u>Depth to Bedrock (feet)</u>
4E/0+50S	80
12E/3+50S	110
20E/3+00S	30

ELECTROMAGNETIC RESULTS (Maps 2A, 2B, 2D, in pocket)

One electromagnetic anomaly was located during the survey. The anomaly crosses the central part of the property and probably extends off the property to the east and west.

Coverage of the property (Maps 2A and 2B) utilizing a 400 foot reference cable indicates a conductive zone that is generally thin except in the vicinity of lines 12E, 16E, and 20E where the zone is 40 feet wide.

Detailed coverage on line 16E (Map 2D, in pocket) indicates a conductive zone 35 feet wide with a depth of burial of approximately 20 feet and a conductivity-width in excess of 230 mhos.

The anomaly is probably caused by a sulphide horizon within or adjacent to a magnetite bearing meta-iron formation. The electromagnetic anomaly correlates with a 2000 to 4000 gamma magnetic anomaly.

CONCLUSIONS AND RECOMMENDATIONS:

The property is underlain by biotite-quartz-feldspar gneiss. The linear, narrow, magnetic anomalies that occur on the property are probably due to magnetite bearing meta-iron formation.

The electromagnetic anomaly on the property is probably due to a sulphide bearing horizon within or adjacent to magnetite bearing iron formation.

Because of the close association of base metal mineralization and iron formation in the Manitouwadge area, the electromagnetic anomaly should be tested by a drill hole. The initial drill hole should be collared on line 16E at station 5+00S, bearing true north at a dip of  $-50^{\circ}$ .

Respectfully submitted,



Peter T. George, P.Eng.  
Consulting Geologist

RECEIVED



42F065W0002 2.2084 F0CH

040

DEC 13 1978  
MINING BRANCH

MAGNETIC  
AND  
HORIZONTAL LOOP ELECTROMAGNETIC  
SURVEYS  
FOR  
BRINEX LIMITED  
MANITOUWADGE PROJECT  
GRID: VISON LAKE, A-E-5

Peter T. George, P.Eng.,  
Consulting Geologist  
July 1978

GRID: VISON LAKE, A-E-5

INTRODUCTION:

The following report describes the results of ground geophysical surveys completed for Brinex Limited, Manitouwadge Project, Ontario. Line cutting and geophysical surveys were completed during the period June 1 to June 30, 1978.

PROPERTY DESCRIPTION:

The property consists of eight contiguous, unpatented mining claims designated as follows:

P501202 to P501207 inclusive

P516918, P516919

PROPERTY LOCATION AND ACCESS:

The property is located in Lessard Township, Porcupine Mining Division, Ontario, approximately 2600 feet south of Vison Lake. Access to the property is via aircraft from Hornepayne, Ontario, a distance of approximately eight air miles.

GEOPHYSICAL SURVEYS:

Magnetic and horizontal loop electromagnetic surveys were completed on the property.

The magnetic survey was carried out utilizing a Scintrex MP-2 Proton Magnetometer capable of reading total field values to an accuracy of  $\pm 1$  gamma. Readings were taken at 100 foot intervals on all base lines and cross lines. Base stations were established at 100 foot intervals along all base lines and tie lines. Diurnal variation was corrected for by tying in to the base stations at time intervals generally less than one half hour and in no case greater than one hour.

The horizontal loop electromagnetic survey was carried out utilizing an Apex Parametrics Max Min II HEM. The HEM unit measures the in-phase and quadrature components of the secondary field developed in the vicinity of conductive material. The measurements are accurate to  $\pm 1\%$ . Readings were taken at 444 Hz. and 1777 Hz. frequencies utilizing a 400 foot reference cable.

Conductivity-width and depth of overburden determinations are presented on the 444 Hz. HEM maps.

REGIONAL GEOLOGY:

The Manitowadge-Hornepayne area is underlain by Archean metavolcanic and metasedimentary rocks and high grade metamorphic rocks of probably metavolcanic and metasedimentary origin. Regional deformation, metamorphism, and granitic intrusive activity occurred during the Kenoran orogeny.

In the Manitowadge area base metal mineralization occurs within felsic volcanic rocks. A zone of iron formation occurs near the top of the felsic volcanic unit. The iron formation can be traced for some distance to the east and west of the Manitowadge area utilizing aeromagnetic data. The iron formation generally outlines the stratigraphic interval having the greatest potential in the area for base metal mineralization.

#### PROPERTY GEOLOGY AND PREVIOUS WORK:

No previous exploration work has been carried out in the vicinity of the property.

The property is underlain by granitic gneiss, biotite-hornblende-quartz-feldspar gneiss, and amphibolitic to chloritic mafic volcanic rocks. A sulphide bearing gossan zone occurs within pegmatitic biotite-quartz-feldspar gneiss in the northwest sector of the property.

#### GEOPHYSICAL RESULTS:

##### MAGNETIC SURVEY (Map 3C, in pocket)

Maximum magnetic relief on the property is 9850 gammas. The magnetic data displays high magnetic relief over the whole property. The data indicates an east-west strike direction for the bedrock strata.

The numerous narrow, elongate magnetic anomalies present on the property are probably due to magnetite bearing horizons within the gneisses.



A north trending zone of very high magnetic relief occurs in the vicinity of line 36E. Readings on the line were double checked on two separate days and are valid. No geological explanation is available for this discordant feature.

Depth to bedrock estimates based on the magnetic data in the vicinity of HEM Anomaly A are as follows:

<u>Line/Station</u>	<u>Depth to bedrock (feet)</u>
12E/5N	40
20E/5N	35
28E/7N	70

ELECTROMAGNETIC RESULTS (Maps 3A,3B, in pocket)

One electromagnetic anomaly occurs on the property from line 4E to line 36E. The zone is non magnetic but occurs along the north flank of a 2000 to 6000 gamma magnetic anomaly.

The 444 Hz HEM data indicates a zone 30 to 180 feet wide with a conductivity-width of 12 to 185 mhos. Depth of burial varies from 0 to 115 feet. The zone dips to the south at 75 to 80 degrees.

The best response is on line 8E where the data indicates a zone 50 feet wide with a conductivity-width of 185 mhos and a depth of burial of 75 feet.

The conductivity is due to a massive sulphide zone on the north flank of a magnetite bearing meta-iron formation. A rusty weathering sulphide showing occurs in the vicinity of the conductor on line 12E.

CONCLUSIONS AND RECOMMENDATIONS:

The property is underlain by biotite-quartz-feldspar gneiss and amphibolitic to chloritic mafic volcanic rocks. The elongate magnetic anomalies on the property are probably due to magnetite bearing meta-iron formation.

The magnetic anomaly that occurs along the south flank of HEM Anomaly A is probably due to iron formation and occurs along the contact between mafic volcanic rocks and pegmatitic to granitic gneisses. This contact may represent a mafic volcanic-felsic volcanic contact.

Anomaly A should be given high priority for drilling because of the similarity of the geological environment with that at Manitouwadge and because of the known occurrence of sulphides in the conductive zone.

An initial hole to test the zone should be collared on line 12E at station 8+00N bearing true south at a dip of  $-50^{\circ}$ .

Respectfully submitted,



Peter T. George, P.Eng.  
Consulting Geologist



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) GEO PHYSICAL  
Township or Area LESSARD  
Claim Holder(s) BRINEX LTD.  
A. Theriault  
Survey Company GEOEX LTD.  
Author of Report P.T. GEORGE, P. Eng.  
Address of Author GEOEX LTD., P.O. Box 70, TIMMINS  
Covering Dates of Survey June 1 - July 15, 1978  
(linecutting to office)  
Total Miles of Line Cut 11.7

**MINING CLAIMS TRAVERSED**  
List numerically

Em	prefix	number
✓	P.	50182 ✓
✓	P.	50183 ✓
✓	P.	50184 ✓
✓	P.	50185 ✓
✓	P.	50186 ✓
✓	P.	50187 ✓
✓	P.	50188 ✓
✓	P.	50189 ✓
✓	P.	50190 ✓
✓	P.	50191 ✓
✓	P.	501208 ✓
✓	P.	501209 ✓
3/4	P.	516742 1/3 not covered
2/3	P.	516743 1/2
2/3	P.	516744 1/2
1/2	P.	516926 1/3
TOTAL CLAIMS <u>16</u>		

If space insufficient, attach list

**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	<u>40</u>
-Magnetometer	<u>20</u>
-Radiometric	
-Other	
Geological	
Geochemical	

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

Magnetometer \_\_\_\_\_ Electromagnetic \_\_\_\_\_ Radiometric \_\_\_\_\_  
(enter days per claim)

DATE: Dec. 11/78 SIGNATURE: P.T. George  
Author of Report or Agent

Res. Geol. L.D. Qualifications 62. 2352

**Previous Surveys**

File No.	Type	Date	Claim Holder

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations H.E.M. 481 2109 1121 Number of Readings \_\_\_\_\_  
Station interval 100' Line spacing 400'  
Profile scale 1" = 20'  
Contour interval 100'

MAGNETIC

Instrument Sciencex MP-2 Vector Mag.  
Accuracy - Scale constant ± 1 gamma  
Diurnal correction method Base stations along P.L.  
Base Station check-in interval (hours) 0.5 - 1.0 hrs.  
Base Station location and value 00/00 61393

ELECTROMAGNETIC

Instrument APEX Parametrics Max-Min II  
Coil configuration H.E.M.  
Coil separation 400'  
Accuracy ± 1 %  
Method:  Fixed transmitter  Shoot back  In line  Parallel line  
Frequency 444 + 1777 Hz. (specify V.L.F. station)  
Parameters measured In Phase + Quadrature components of secondary field

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 \_\_\_\_\_



**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) GEOPHYSICAL  
 Township or Area Foch  
 Claim Holder(s) BRINEX LIMITED  
A. THERIAULT  
 Survey Company GEOXY LIMITED  
 Author of Report P.T. GEORGE, P. Eng.  
 Address of Author GEOXY LTD. P.O. Box 70, Timmins  
 Covering Dates of Survey June 4 - July 15 / 78  
(linecutting to office)  
 Total Miles of Line Cut 6.04

MINING CLAIMS TRAVERSED	
List numerically	
✓	P 501192 ✓
✓	P 501193 ✓
✓	P 501194 ✓
✓	P 501195 ✓
✓	P 501196 ✓
✓	P 501197 ✓
3/4	P 516740 3/4 not covered
3/4	P 516741 3/4
TOTAL CLAIMS <u>8</u>	

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

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

Magnetometer \_\_\_\_\_ Electromagnetic \_\_\_\_\_ Radiometric \_\_\_\_\_  
(enter days per claim)

DATE: Dec. 11 / 78 SIGNATURE: P.T. George  
Author of Report or Agent

Res. Geol. \_\_\_\_\_ Qualifications \_\_\_\_\_

Previous Surveys

File No.	Type	Date	Claim Holder

OFFICE USE ONLY

If space insufficient, attach list

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations HEM Mag 273 347 Number of Readings HEM Mag  
Station interval 100' Line spacing 100'  
Profile scale 1" = 20 %  
Contour interval 100 %

MAGNETIC

Instrument Scintrex MP-2 Proton Mag.  
Accuracy - Scale constant ± 1 gamma  
Diurnal correction method Base Station along B.L.  
Base Station check-in interval (hours) 0.5 - 1.0 Hrs  
Base Station location and value 00/00 60711 %

ELECTROMAGNETIC

Instrument APEX PARAMETRICS MaxMin II  
Coil configuration H.S.M.  
Coil separation 400'  
Accuracy ± 1%  
Method:  Fixed transmitter  Shoot back  In line  Parallel line  
Frequency 444 + 1777 Hz. (specify V.L.F. station)  
Parameters measured 1/2 Phase + Quadrature components of secondary field

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 \_\_\_\_\_



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) GEOPHYSICAL  
Township or Area LESSARD  
Claim Holder(s) BRINNEY LTD.  
A. THERIAULT  
Survey Company GEOEX LTD  
Author of Report P.T. GEORGE, P. Eng.  
Address of Author GEOEX LTD., P.O. Box 70, Timmins  
Covering Dates of Survey June 1 - July 15, 1978  
(linecutting to office)  
Total Miles of Line Cut 4.03

MINING CLAIMS TRAVERSED

List numerically

EM

MAG

✓ P. 501198 ✓  
(prefix) (number)  
✓ P. 501199 ✓  
✓ P. 501200 ✓  
✓ P. 501201 ✓  
23 P. 516917 ~~78~~ not covered

SPECIAL PROVISIONS  
CREDITS REQUESTED

DAYS  
per claim

Geophysical  
-Electromagnetic 40  
-Magnetometer 20  
-Radiometric \_\_\_\_\_  
-Other \_\_\_\_\_  
Geological \_\_\_\_\_  
Geochemical \_\_\_\_\_

ENTER 40 days (includes  
line cutting) for first  
survey.

ENTER 20 days for each  
additional survey using  
same grid.

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

Magnetometer \_\_\_\_\_ Electromagnetic \_\_\_\_\_ Radiometric \_\_\_\_\_  
(enter days per claim)

DATE: Dec. 11/78 SIGNATURE: P.T. George  
Author of Report or Agent

Res. Geol. \_\_\_\_\_ Qualifications \_\_\_\_\_

Previous Surveys

File No.	Type	Date	Claim Holder

TOTAL CLAIMS 5

If space insufficient, attach list

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations HEM. 164 Mag. 265 Number of Readings \_\_\_\_\_  
Station interval 100' Line spacing 100'  
Profile scale 1" = 20'  
Contour interval 100'

MAGNETIC

Instrument Scintex MP-2 Proton Mag.  
Accuracy - Scale constant ± 1 gamma  
Diurnal correction method Base Station along B.L.  
Base Station check-in interval (hours) 0.5 - 1.0 Hrs.  
Base Station location and value 00/00 60513

ELECTROMAGNETIC

Instrument Apex Parametric Max-Min II  
Coil configuration H.E.M.  
Coil separation 100'  
Accuracy ± 1%  
Method:  Fixed transmitter  Shoot back  In line  Parallel line  
Frequency 10/10 Hz + 1777 Hz  
(specify V.L.F. station)  
Parameters measured In Phase + Quadrature components of secondary field

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 \_\_\_\_\_





GEOPHYSICAL TECHNICAL DATA

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

Number of Stations 1 H.E.M. 236  
Mag. 349 Number of Readings \_\_\_\_\_  
Station interval 100' Line spacing 400'  
Profile scale 1" = 20'  
Contour interval 100'

MAGNETIC

Instrument Scintrex M.P. 2 Vector Mag.  
Accuracy - Scale constant + 1 gamma  
Diurnal correction method Base stations along B.C.  
Base Station check-in interval (hours) 0.5 - 1.0 hrs  
Base Station location and value 00/00 60570

ELECTROMAGNETIC

Instrument Apex Parametric Max-Min II  
Coil configuration H.E.M.  
Coil separation 400'  
Accuracy + 1%  
Method:  Fixed transmitter  Shoot back  In line  Parallel line  
Frequency \_\_\_\_\_

Parameters measured In Phase + Quadrature components of secondary field  
(specify V.L.F. station)

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 \_\_\_\_\_

Flanders Twp.

THE TOWNSHIP  
2. 7864 OF  
**FOCH**  
DISTRICT OF  
ALGOMA  
PORCUPINE  
MINING DIVISION  
SCALE 1-INCH=40 CHAINS

LEGEND

PATENTED LAND	⊙
CROWN LAND SALE	C.S.
LEASES	⊙
LOCATED LAND	Loc.
LICENCE OF OCCUPATION	L.O.
MINING RIGHTS ONLY	M.R.O.
SURFACE RIGHTS ONLY	S.R.O.
ROADS	—
IMPROVED ROADS	—
KINGS HIGHWAYS	—
RAILWAYS	—
POWER LINES	—
MARSH OR MUSKEG	—
MINES	✕
CANCELLED	C.

NOTES

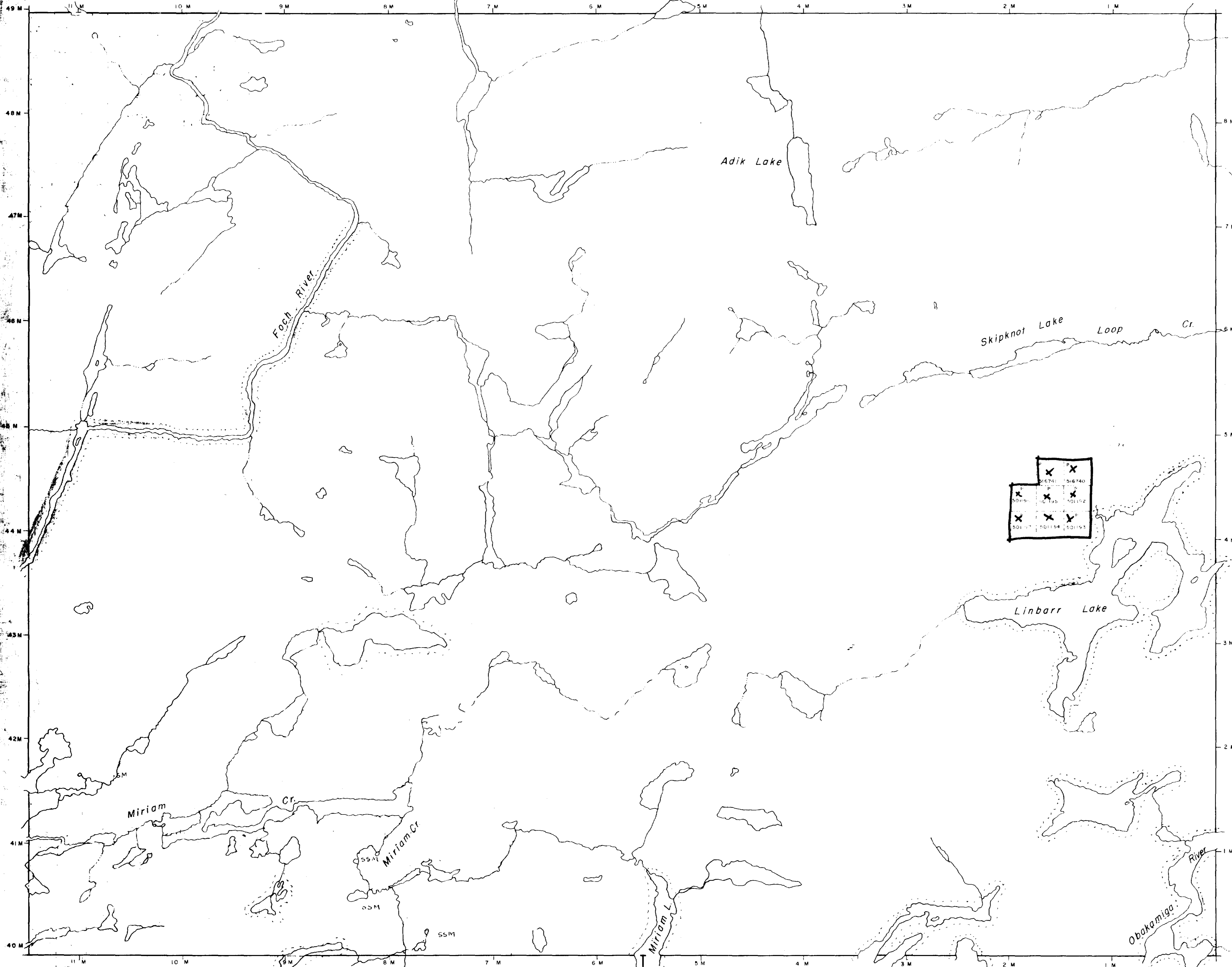
400' surface rights reservation around all lakes & rivers.

DATE OF ISSUE  
DEC 18 1978  
SURVEYS AND MAPPING  
BRANCH

PLAN NO.- M-1254

ONARIO  
MINISTRY OF NATURAL RESOURCES  
SURVEYS AND MAPPING BRANCH

DISTRICT OF THUNDER BAY



Lessard Twp.

Drew Twp.

Cholette Twp.



42F8658002 2.2864 FOCH

PLAN OF 2,2864

M.1296  
ONTARIO

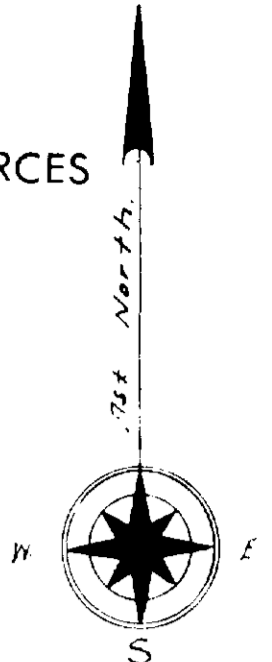
# LESSARD TWP.

MINISTRY OF NATURAL RESOURCES  
SURVEYS AND MAPPING BRANCH

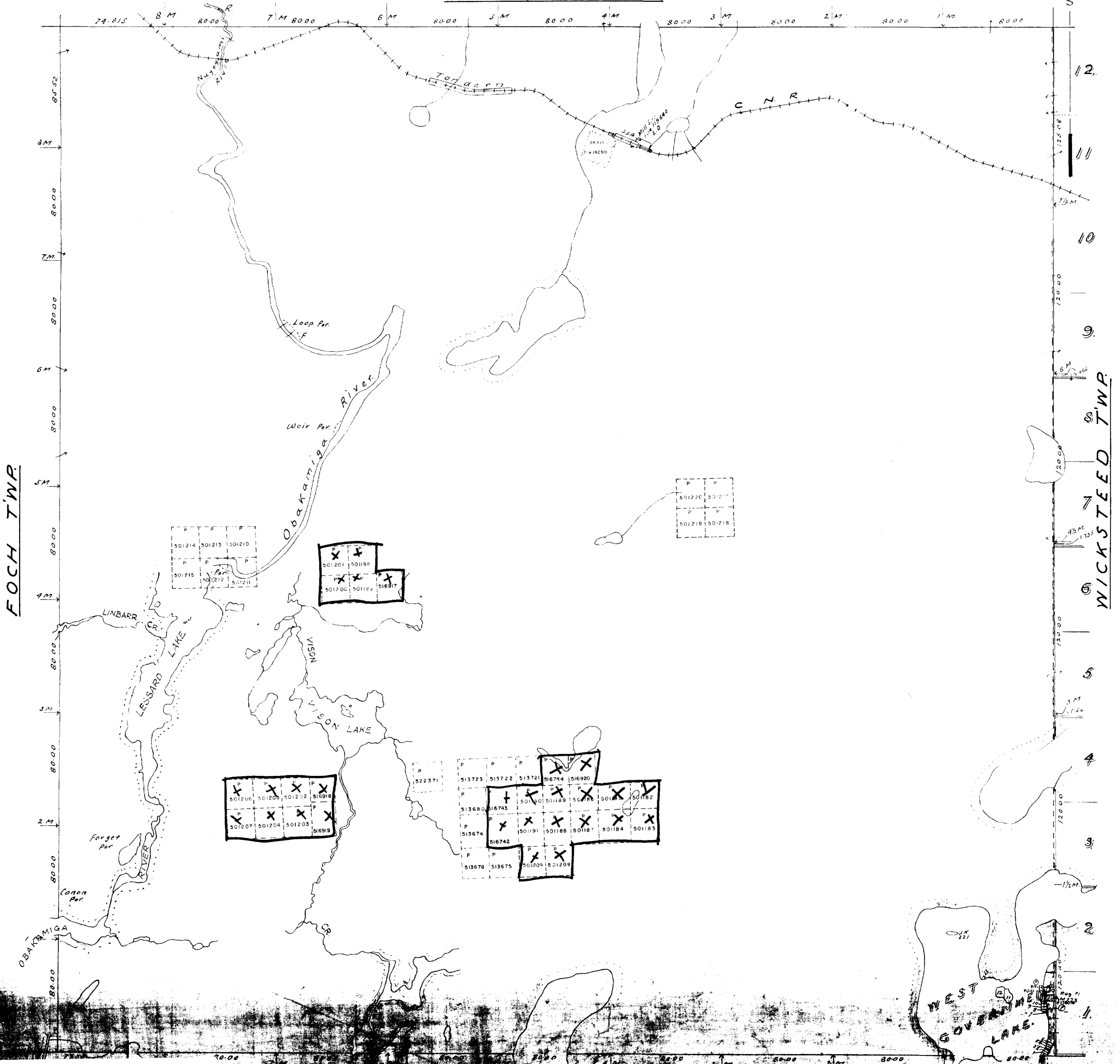
PORCUPINE MINING DIVISION  
DISTRICT OF ALGOMA.

Scale, 40 chains to an inch.

DATE OF ISSUE  
DEC 18 1878  
SURVEYS AND MAPPING  
BRANCH



NAGAGAMI TWP.



P	P
501220	501217
P	P
501219	501218

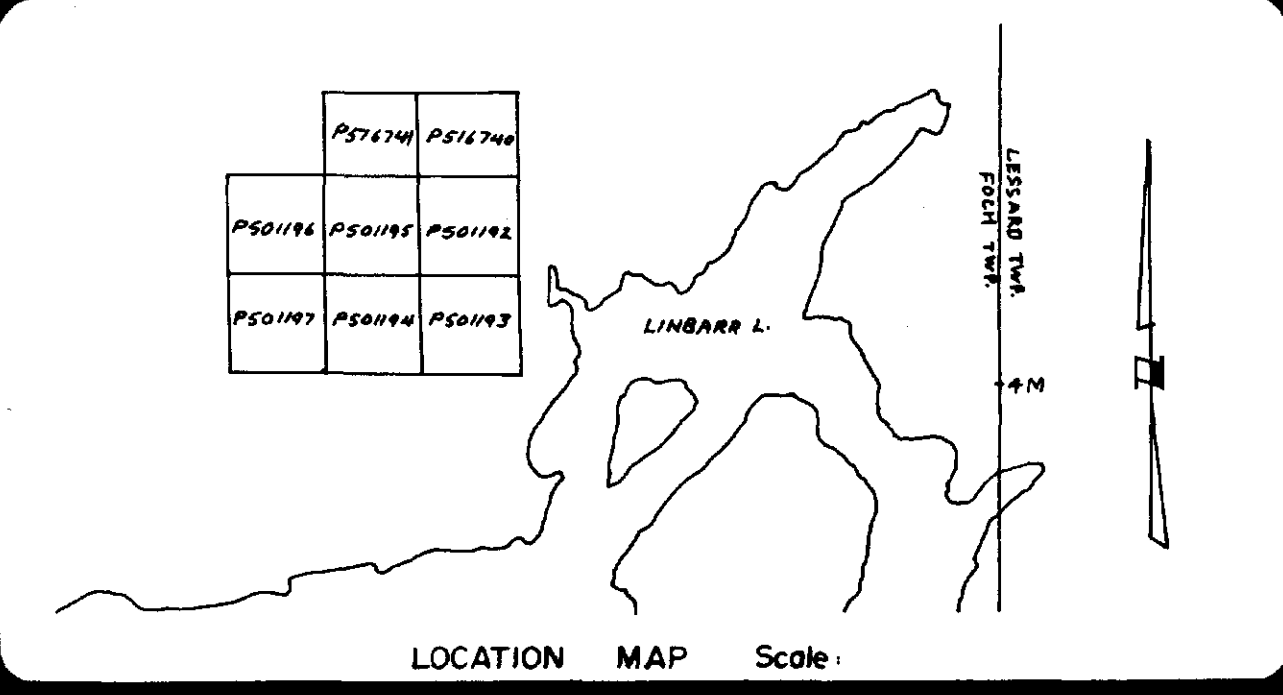
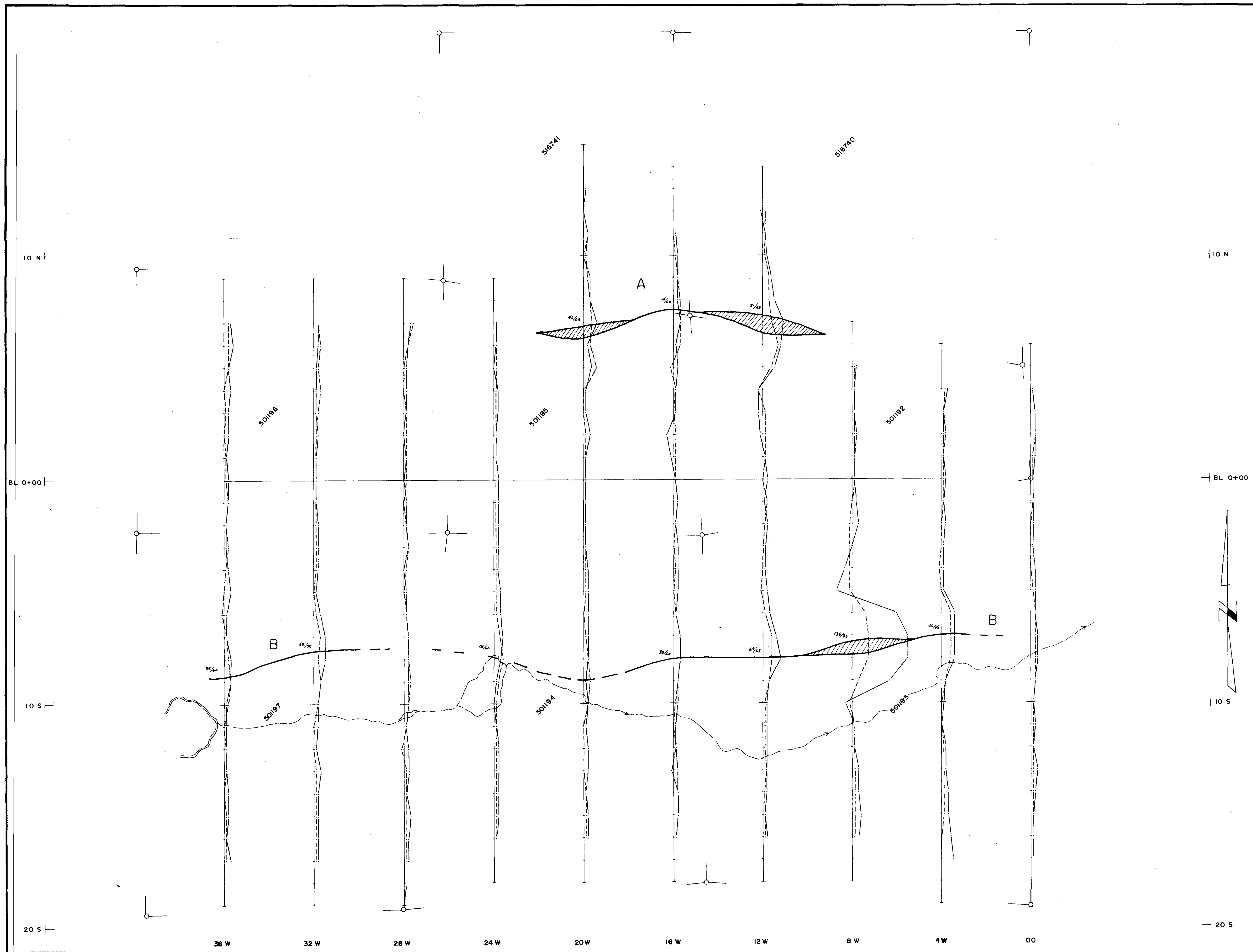
P	P	P
501214	501213	501210
P	P	P
501215	501212	501211

X	X
501201	501198
X	X
501200	501199
X	X
516317	

P	P	P	P
501206	501205	501202	516916
X	X	X	X
501207	501204	501203	516919

P	P	P	P	P	P
522371	513723	513722	513721	516744	516920
P	P	P	P	P	P
513680	516745	501191	501189	501188	501182
P	P	P	P	P	P
513674	516742	501191	501188	501187	501184
P	P	P	P	P	P
513678	513675	501209	501208		





**LEGEND**

Conductor Axis  
 Conductor Width  
 Conductivity Thickness (mhos)/Depth Estimate (m)  
 In-Phase Profile  
 Quadrature Profile  
 Profile Scale: 1 Inch = 20%  
 Instrument: Apex Parametrics Maxmin II  
 Cable: 400 feet

Claim Post		Road	
Witness Post		Fence	
Creek		Hydro Line	
Swamp		Building	
Lake		Drill Hole	
Trail		Outcrop	

CLIENT **BRINEX LIMITED**  
 PROJECT **MANITOUWADGE AREA**  
 GRID **A.E. 1,2**  
**444 Hz.**  
**H.E.M. SURVEY**

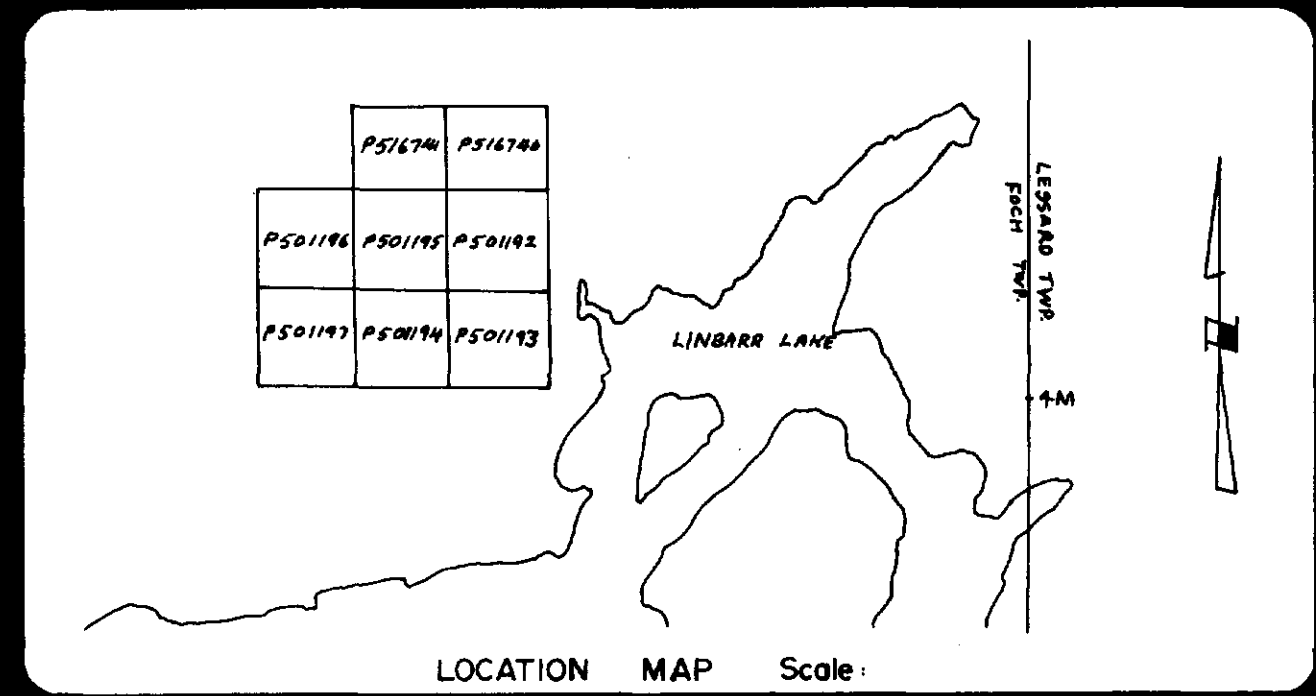
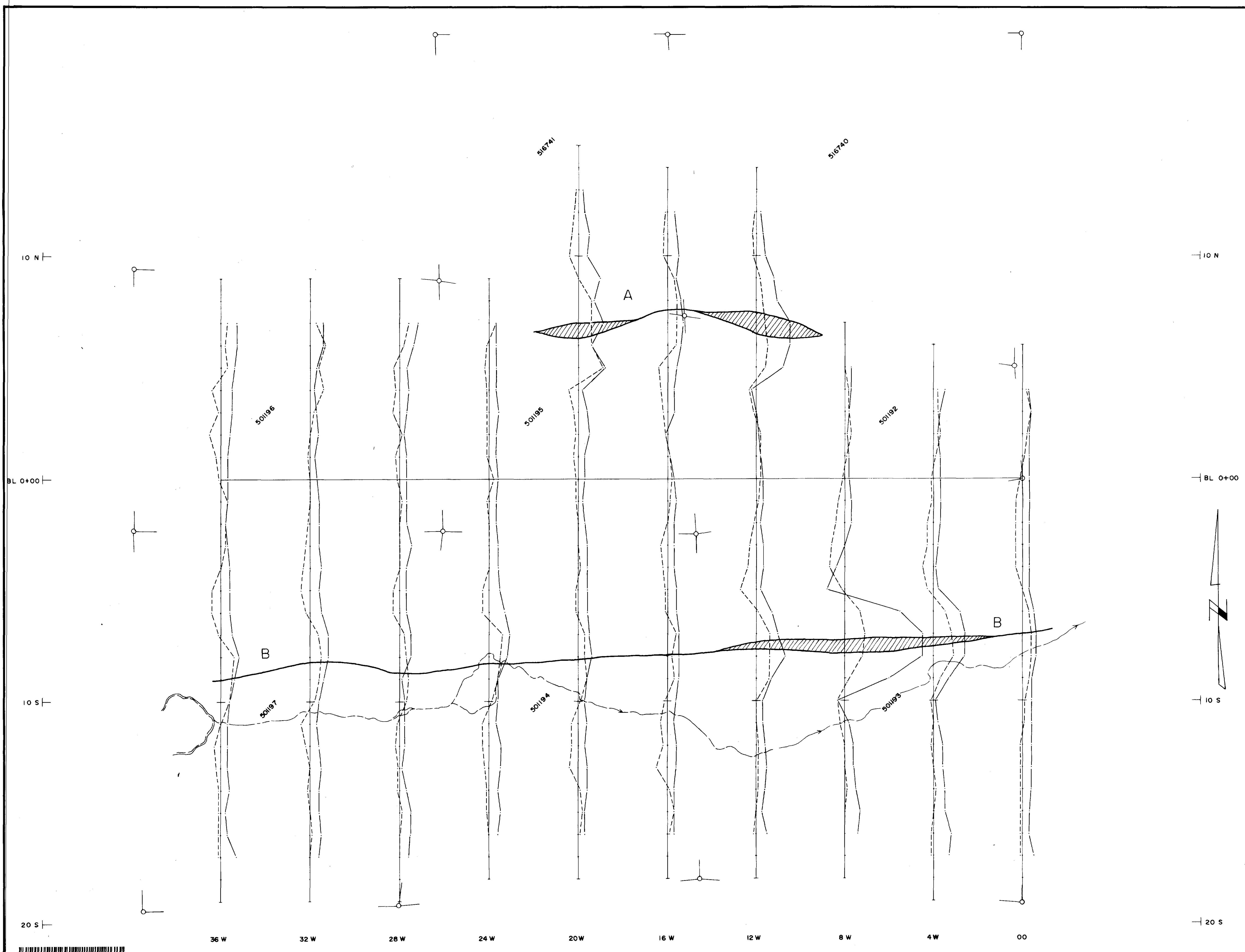
Scale: 1 Inch = 200 Feet  
 Drafted By: J. Hol

Covering Dates: Field June 4-30, 1978  
 Office July 5-15, 1978  
 Consultant: P.J. George  
*P.J. George*

**GEOEX Limited**  
 Exploration Services and Management  
 P.O. Box 70,  
 Timmins, Ont.  
 (705) 267-3990

Drawing Number  
**IA**





**LEGEND**

Conductor Axis

Conductor Width

Conductivity Thickness (mhos)/Depth Estimate (m)

In-Phase Profile

Quadrature Profile

Profile Scale: 1 inch = 20%

Instrument: Apex Parametrics Maxmin II

Cable: 400 feet

Claim Post	Road
Witness Post	Fence
Creek	Hydro Line
Swamp	Building
Lake	Drill Hole
Trail	Outcrop

CLIENT **BRINEX LIMITED**

PROJECT **MANITOUWADGE AREA**

GRID **A.E. 1,2**

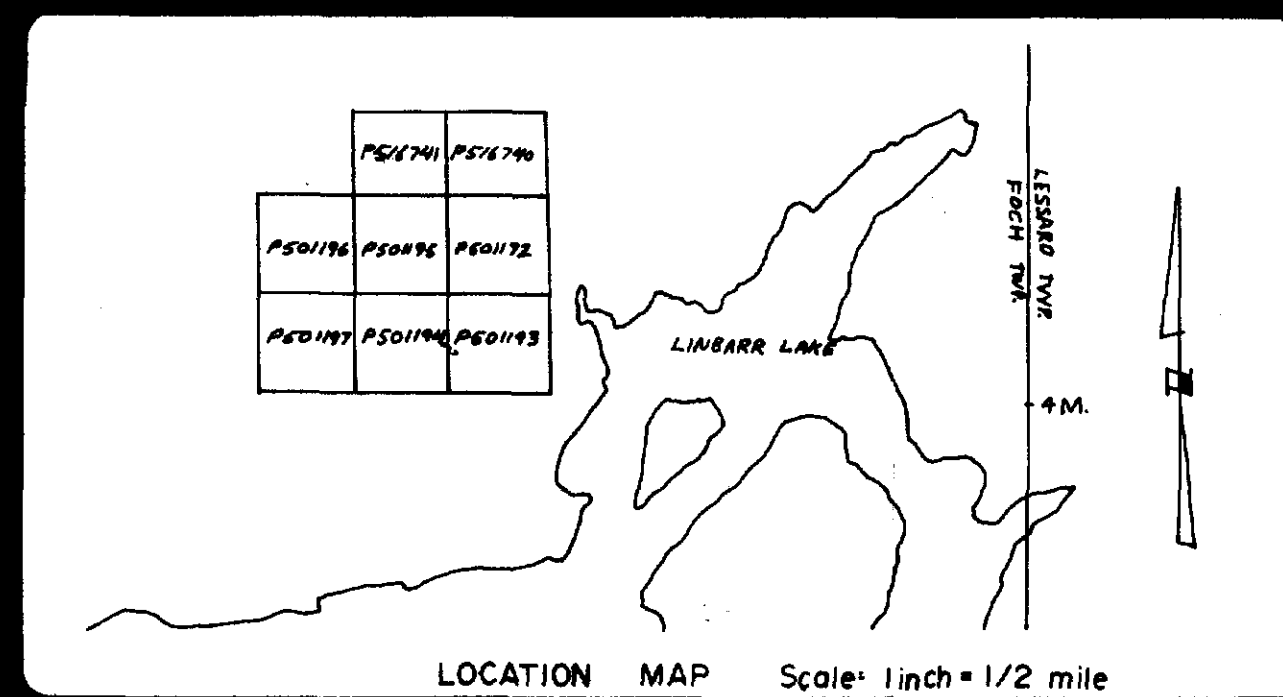
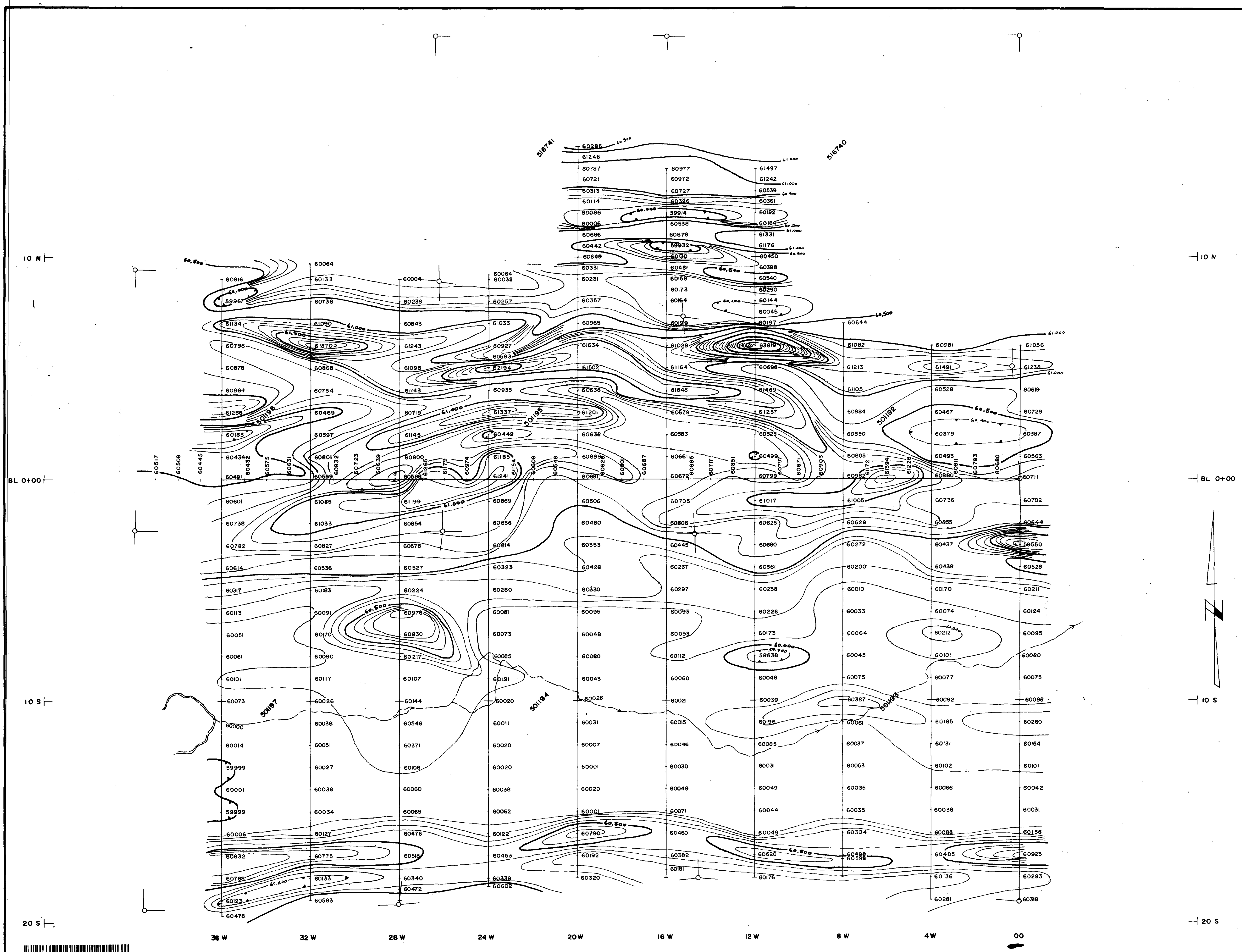
**1777 Hz**  
**H.E.M. SURVEY**

Scale: 1 inch = 200 Feet Drafted By: J. Hol

Covering Dates: Field June 4-30, 1978 Consultant: P.T. George  
Office July 5-15, 1978

**GEOEX Limited** P.O. Box 70,  
Exploration Services and Management Timmins, Ont.  
(705) 267-3990

Drawing Number  
**IB**



**LEGEND**

Measurement Station Along Picket Line

Total Field Value

Main Base Station

Magnetic Contour

Magnetic Depression

Instrument: Scintrex MP-2

CONTOURS: 500 gammas  
100 gammas  
50 gammas  
25 gammas

Claim Post

Witness Post

Creek

Swamp

Lake

Trail

Road

Fence

Hydro Line

Building

Drill Hole

Outcrop

CLIENT BRINEX LIMITED  
PROJECT MANITOUWADGE AREA  
GRID A.E. 1,2  
**MAGNETOMETER SURVEY**

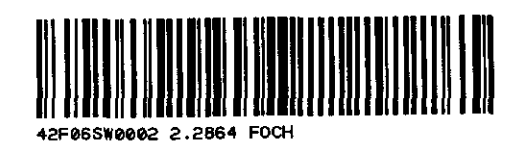
Scale: 1 inch = 200 feet  
Covering Dates: Field June 4-30, 1978  
Office July 5-15, 1978

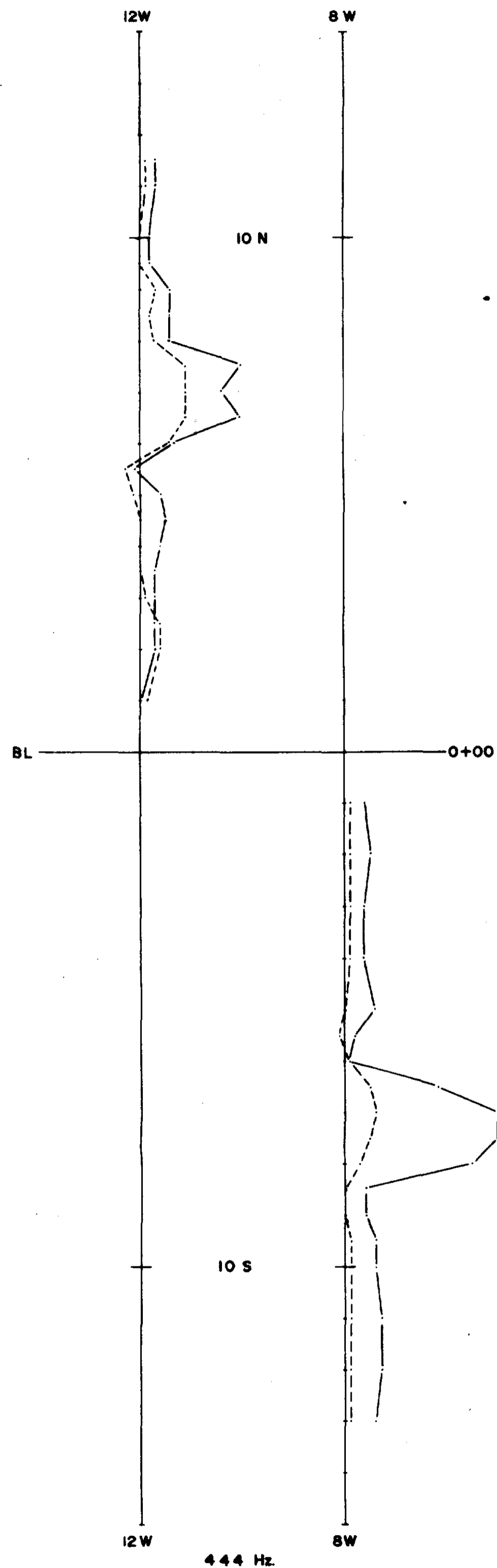
Drafted By: J. Hol  
Consultant: P.T. George

GEOEX Limited  
Exploration Services and Management

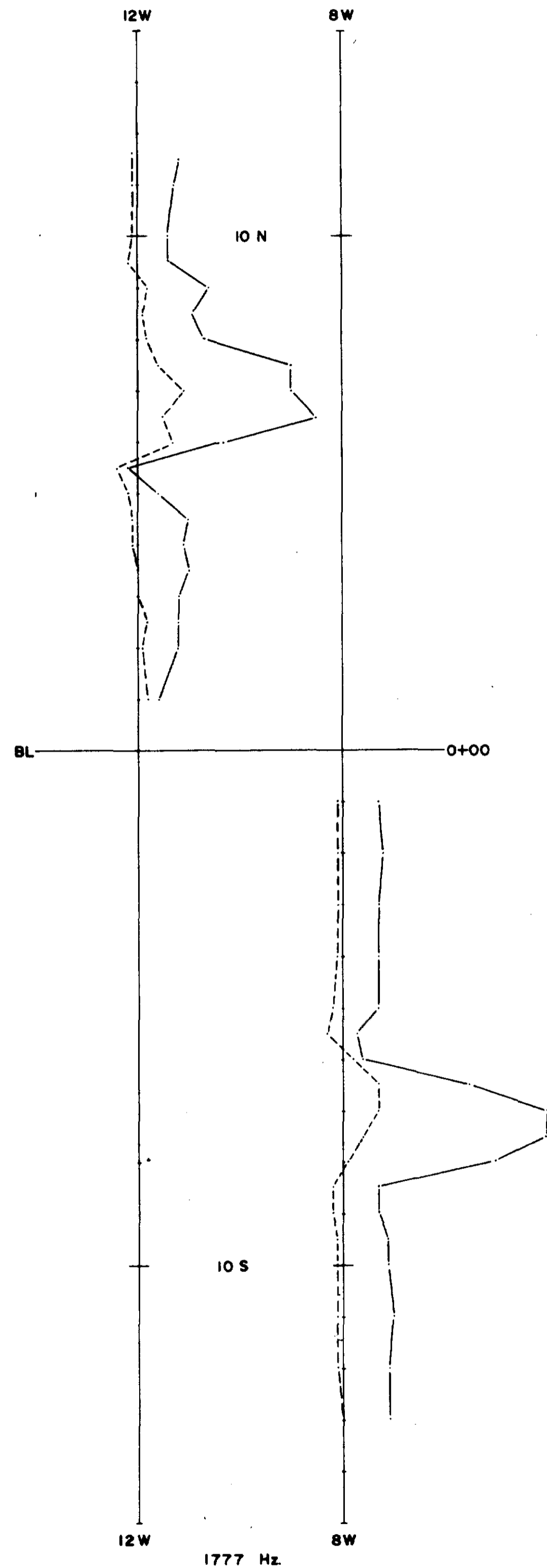
P.O. Box 70,  
Timmins, Ont.  
(705) 267-3990

Drawing Number  
**IC**

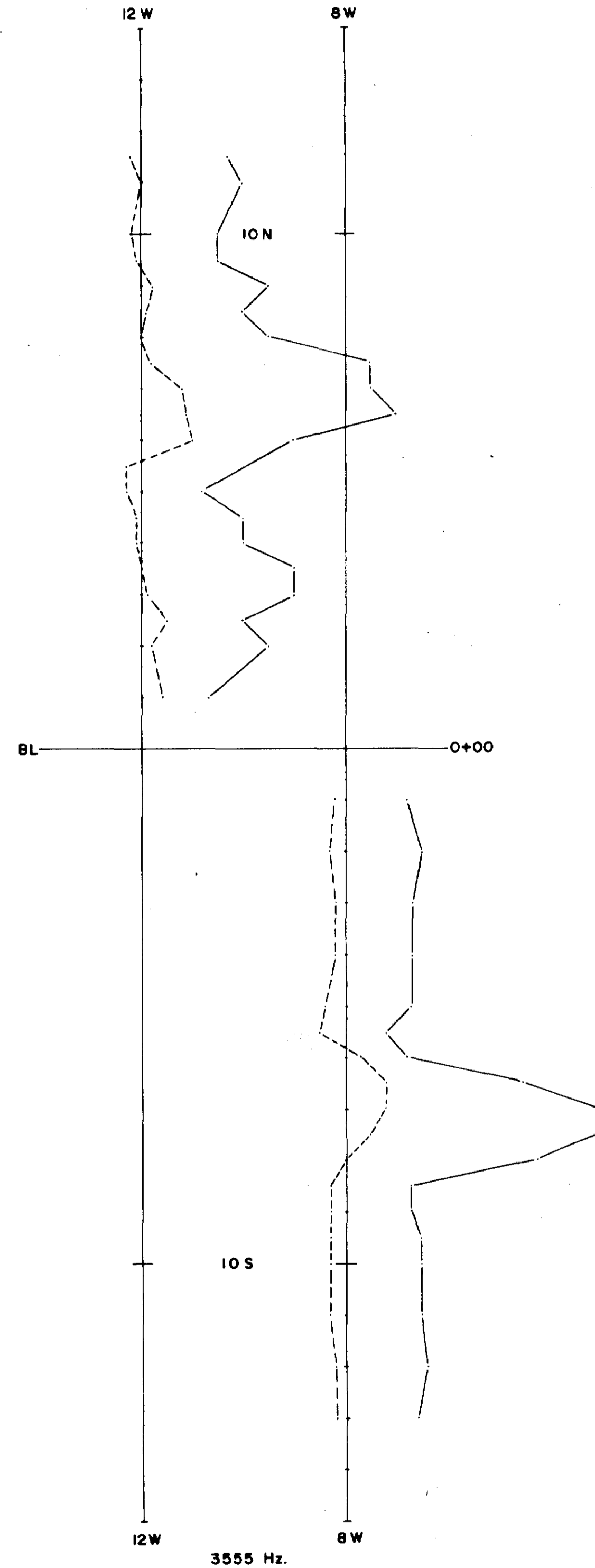




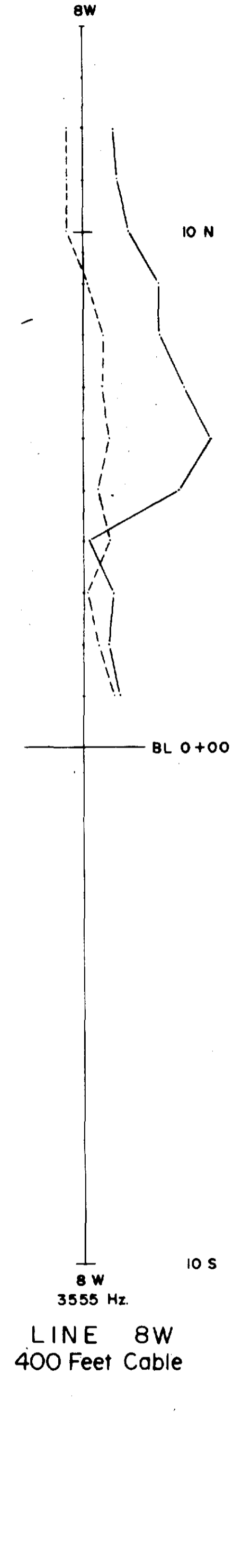
4.4 Hz.



1777 Hz.



3555 Hz.



LINE 8W  
400 Feet Cable

LINE 12W & LINE 8W ... 200 Feet Cable

LOCATION MAP Scale:

LEGEND

Conductor Axis  
 Conductor Width  
 Conductivity Thickness (mhos)/Depth Estimate (m)  
 In-Phase Profile  
 Quadrature Profile  
 Profile Scale: 1 Inch = 20 %  
 Instrument: Apex Parametrics Maxmin II  
 Cable: AS SHOWN

Claim Post		Road	
Witness Post		Fence	
Creek		Hydro Line	
Swamp		Building	
Lake		Drill Hole	
Trail		Outcrop	

CLIENT · BRINEX LIMITED  
 PROJECT MANITOUWADGE AREA  
 GRID A.E. 1,2  
 DETAIL  
 H.E.M. SURVEY

Scale: 1 Inch = 200 Feet. Drafted By: J. Hol

Covering Dates: Field June 4-30, 1978  
 Office July 5-15, 1978  
 Consultant: P.T. George  
*John I. George*

**GEOEX Limited**  
 Exploration Services and Management  
 P.O. Box 70,  
 Timmins, Ont.  
 (705) 267-3990

Drawing Number  
 ID

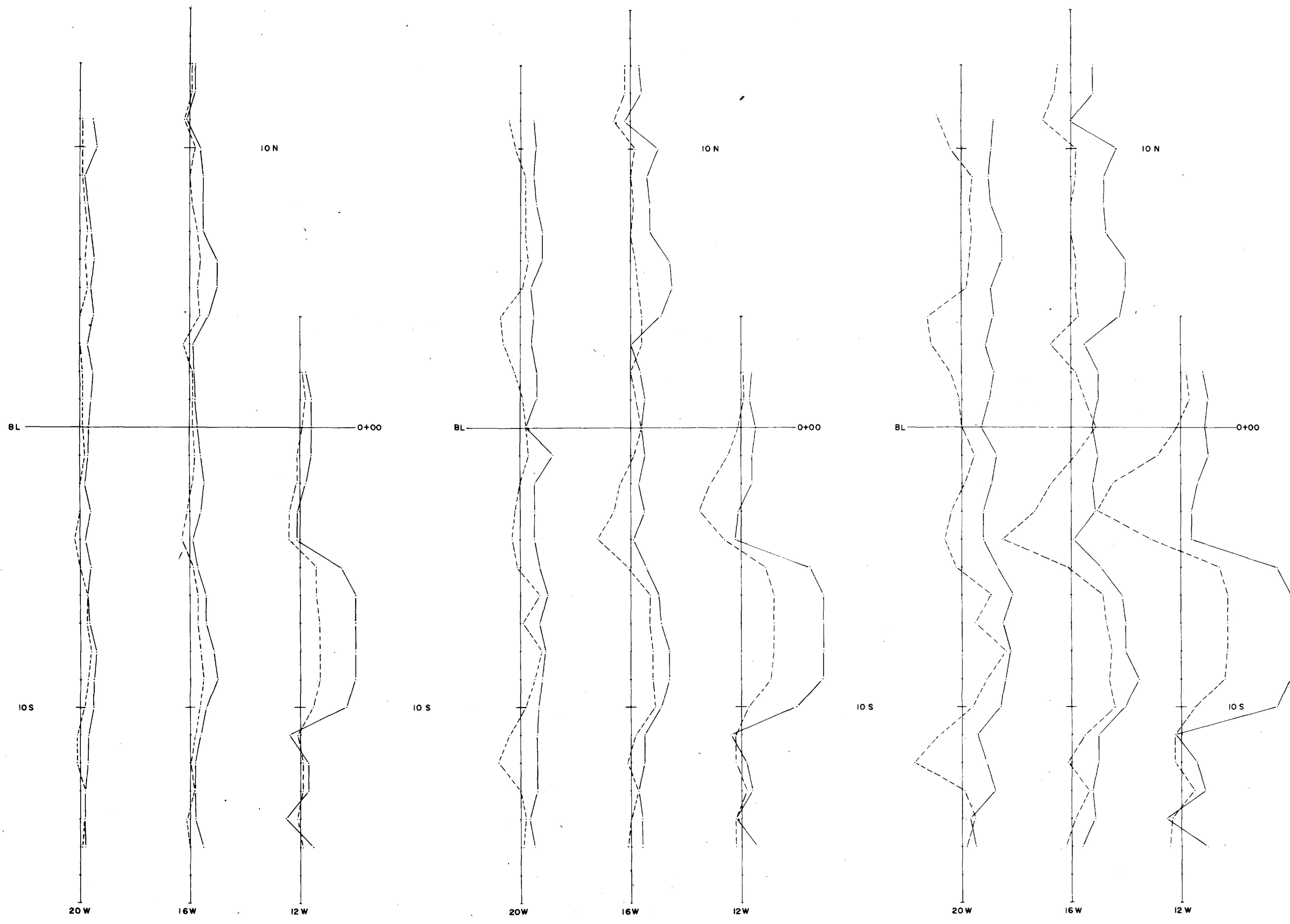


42F66SR0002 2.2864 F001

250

2.2864





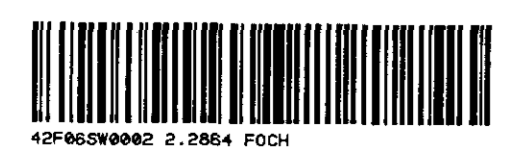
BL 0+00 BL 0+00 BL 0+00

10S 10S 10S

20W 16W 12W 20W 16W 12W 20W 16W 12W

1777 Hz. 3555 Hz.

LINE 20W · LINE 16W · LINE 12W ···· 600 Feet Cable



42F86298002 2.2864 F0CH 260

LOCATION MAP Scale:

LEGEND

Conductor Axis  
 Conductor Width  
 Conductivity Thickness (mhos)/Depth Estimate (m)  
 In-Phase Profile  
 Quadrature Profile  
 Profile Scale: 1 Inch = 20%  
 Instrument: Apex Parametrics Maxmin II  
 Cable: AS SHOWN

Claim Post		Road	
Witness Post		Fence	
Creek		Hydro Line	
Swamp		Building	
Lake		Drill Hole	
Trail		Outcrop	

CLIENT BRINEX LIMITED  
 PROJECT MANITOUWADGE AREA  
 GRID A. E. 1, 2  
 DETAIL  
 H.E.M. SURVEY

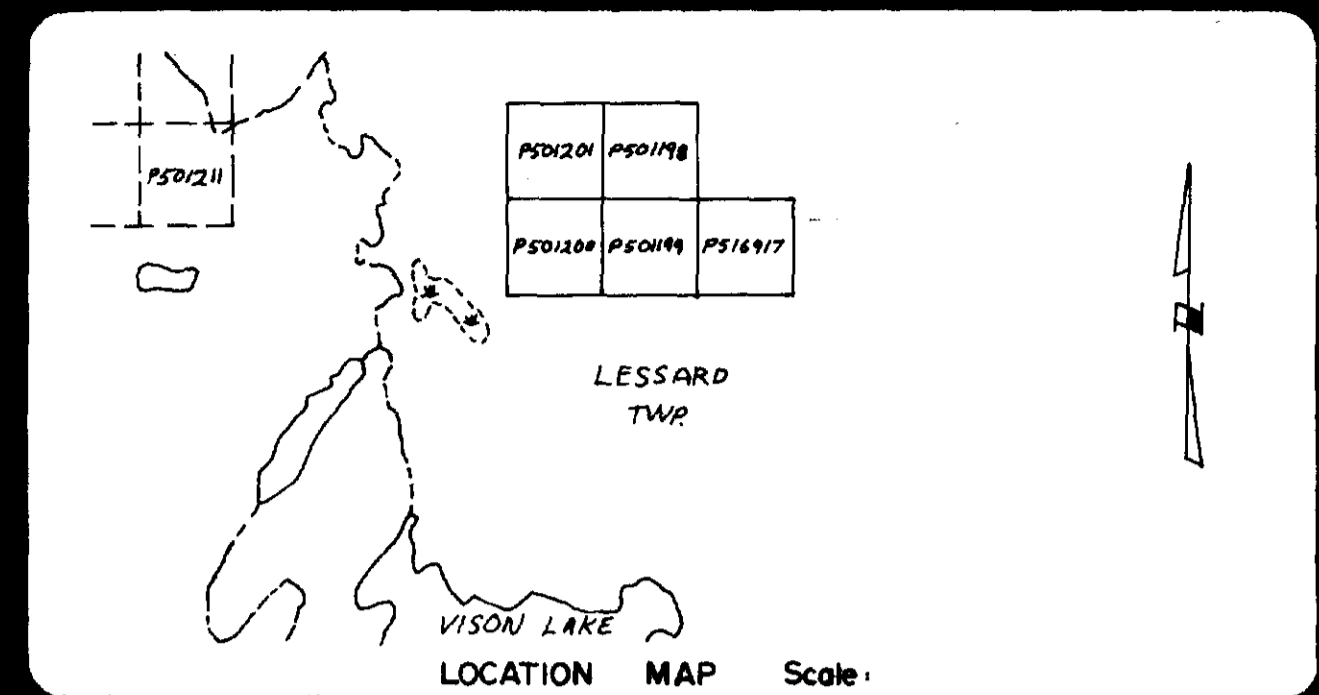
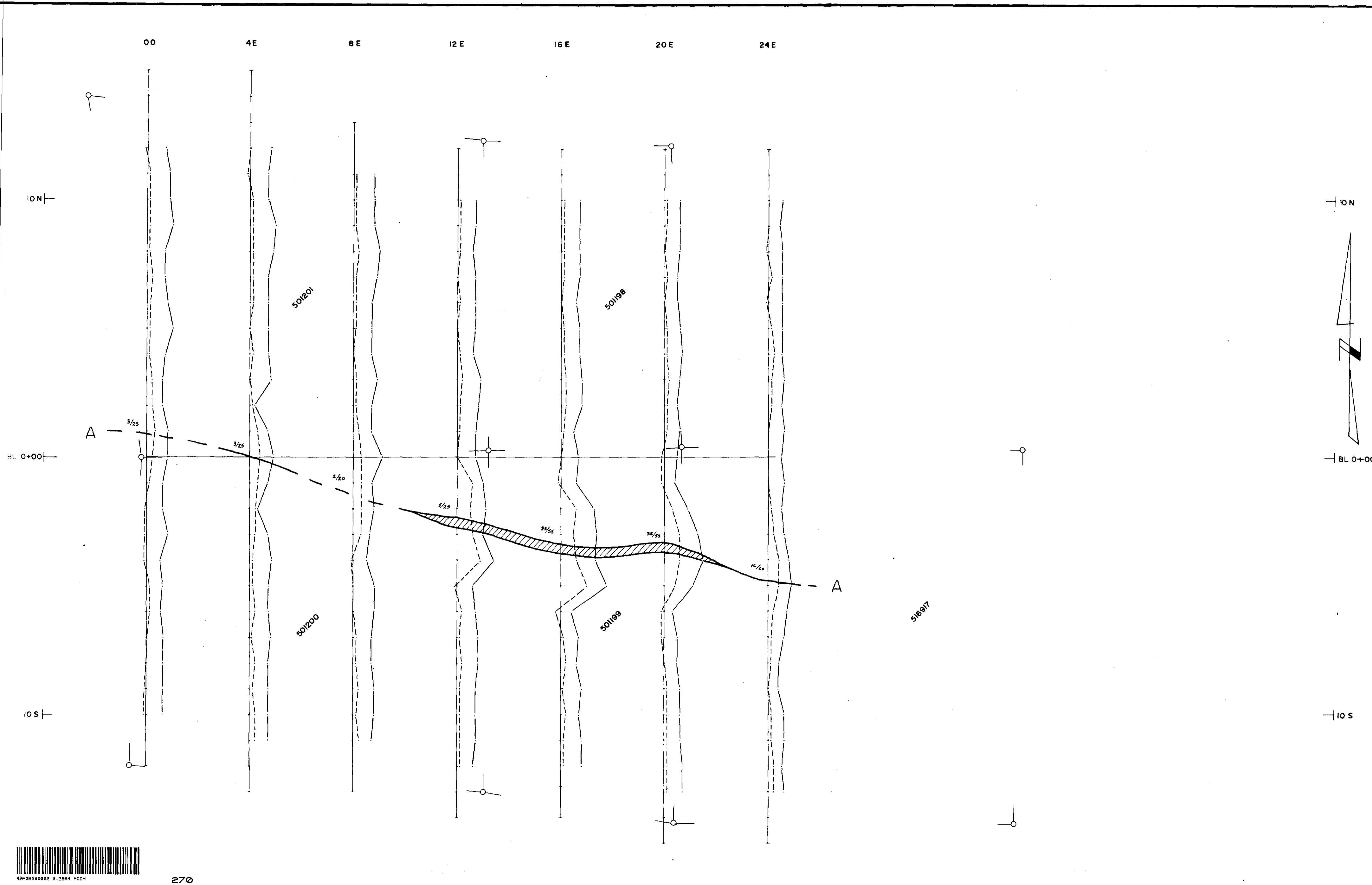
Scale: 1 Inch = 200 Feet  
 Drafted By: J. Hol

Covering Dates: Field June 4-30, 1978  
 Office July 5-15, 1978  
 Consultant: P.T. George

GEOEX Limited  
 Exploration Services and Management  
 P.O. Box 70,  
 Timmins, Ont.  
 (705) 267-3990

Drawing Number  
 IE

2.2864



**LEGEND**

Conductor Axis			
Conductor Width			
Conductivity Thickness (mhos)/Depth Estimate (m)			
In-Phase Profile			
Quadrature Profile			
Profile Scale: 1 Inch = 20%			
Instrument: Apex Parametrics Maxmin II			
Cable: 400 feet			

Claim Post		Road	
Witness Post		Fence	
Creek		Hydro Line	
Swamp		Building	
Lake		Drill Hole	
Trail		Outcrop	

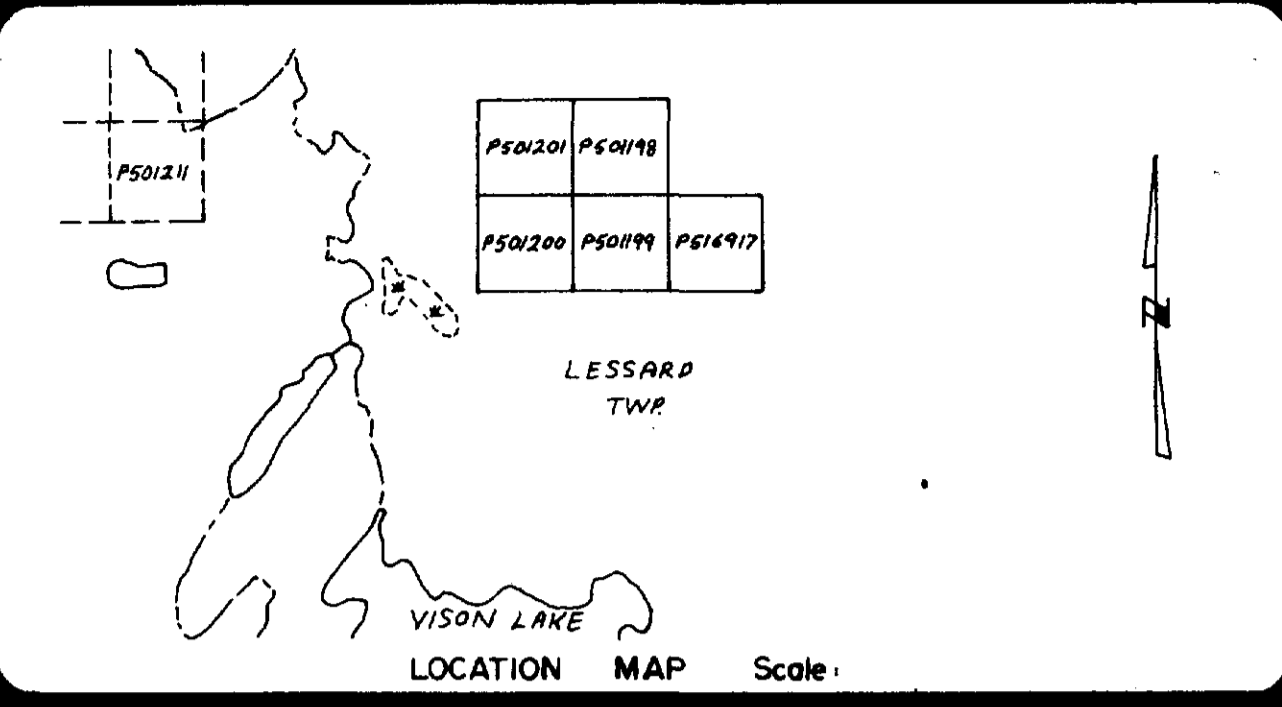
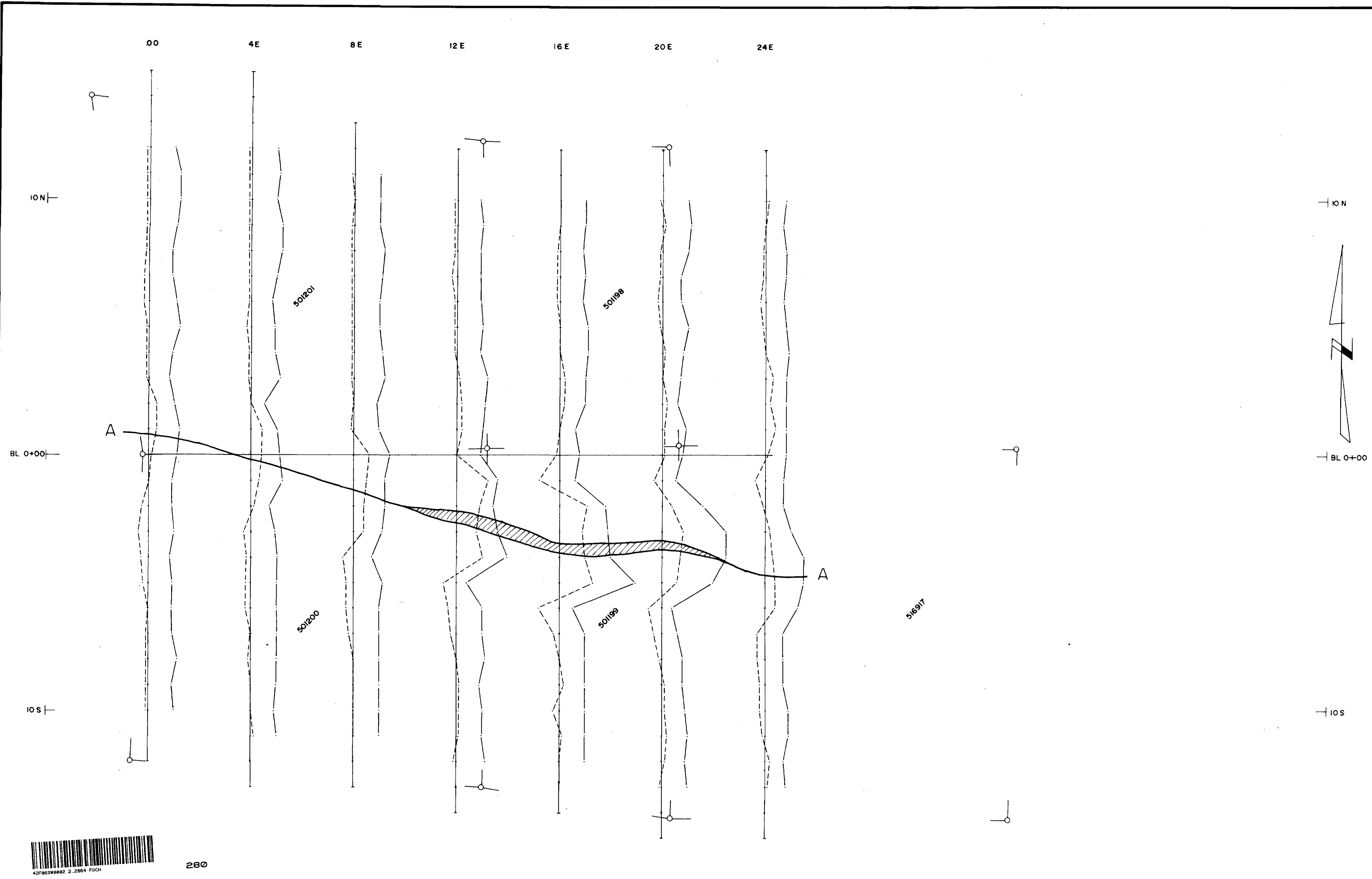
CLIENT **BRINEX LIMITED**  
 PROJECT **MANITOUWADGE AREA**  
 GRID **A. E. 4**  
**444 Hz.**  
**H.E.M. SURVEY**

Scale: 1 Inch = 200 Feet	Drafted By: J. Hol
Covering Dates: Field June 4-30, 1978 Office July 5-15, 1978	Consultant: P.T. George <i>P.T. George</i>

<b>GEOEX Limited</b>	P.O. Box 70, Timmins, Ont.
Exploration Services and Management	(705) 267-3990

Drawing Number  
**2A**





**LEGEND**

Conductor Axis

Conductor Width

Conductivity Thickness (mhos)/Depth Estimate (m)

In-Phase Profile

Quadrature Profile

Profile Scale: 1 Inch = 20 %

Instrument: Apex Parametrics Maxmin II

Cable: 400 feet

Claim Post	Road
Witness Post	Fence
Creek	Hydro Line
Swamp	Building
Lake	Drill Hole
Trail	Outcrop

CLIENT **BRINEX LIMITED**

PROJECT **MANITOUWADGE AREA**

GRID **A.E. 4**

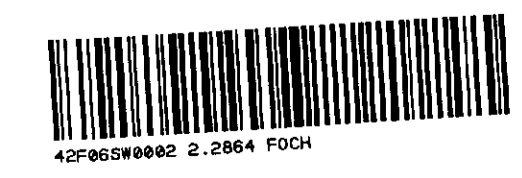
**1777 Hz.**

**H.E.M. SURVEY**

Scale: 1 Inch = 200 Feet	Drafted By: J. Hol
Covering Dates: Field June 4-30, 1978 Office July 5-15, 1978	Consultant: P.T. George 

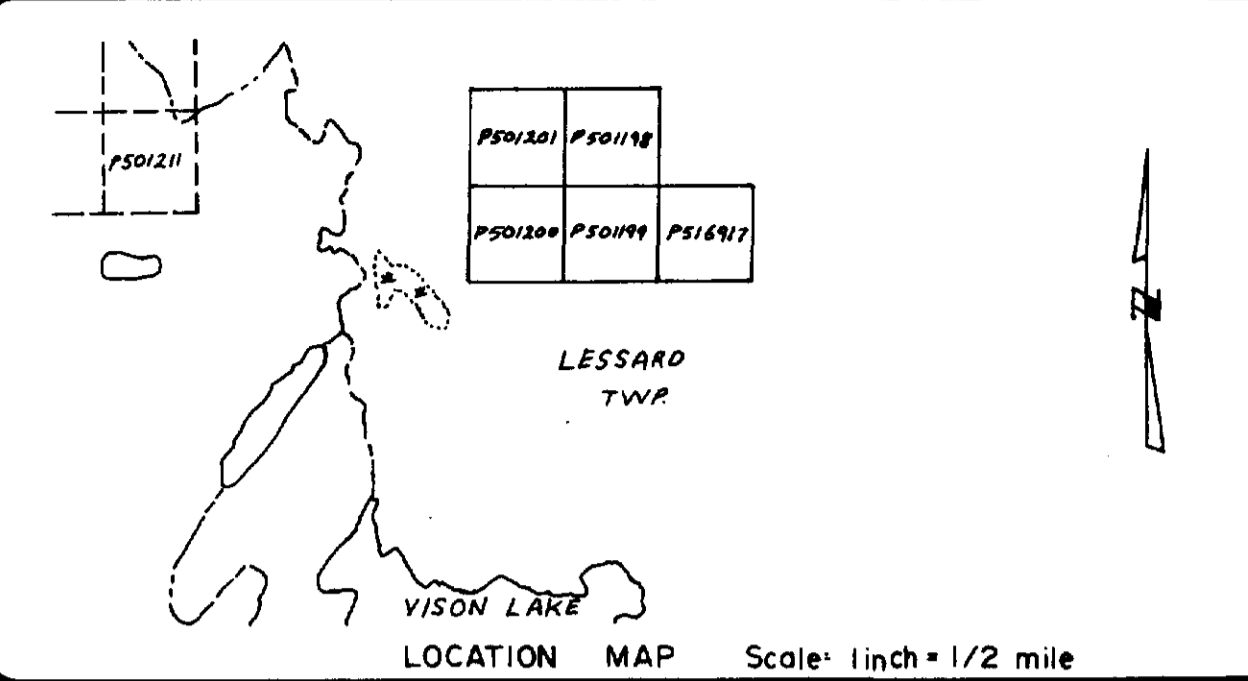
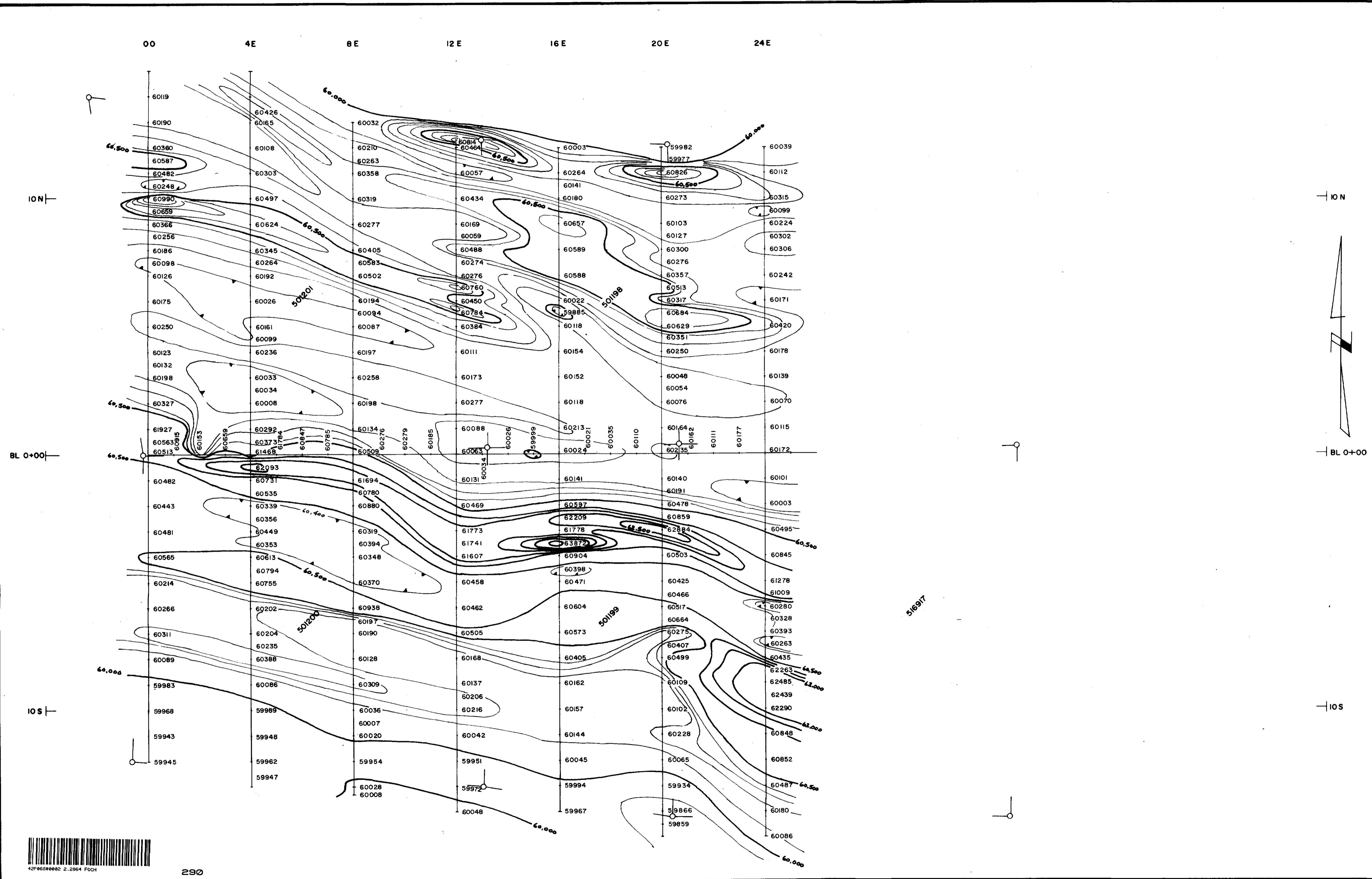
**GEOEX Limited** P.O. Box 70,  
Exploration Services and Management Timmins, Ont.  
(705) 267-3990

Drawing Number  
**2B**



280

2.2864



**LEGEND**

Measurement Station Along Picket Line

Total Field Value

Main Base Station

Magnetic Contour

Magnetic Depression

Instrument: Scintrex MP-2

CONTOURS: 500 gammas

100 gammas

50 gammas

25 gammas

Claim Post

Witness Post

Creek

Swamp

Lake

Trail

Road

Fence

Hydro Line

Building

Lake

Drill Hole

Outcrop

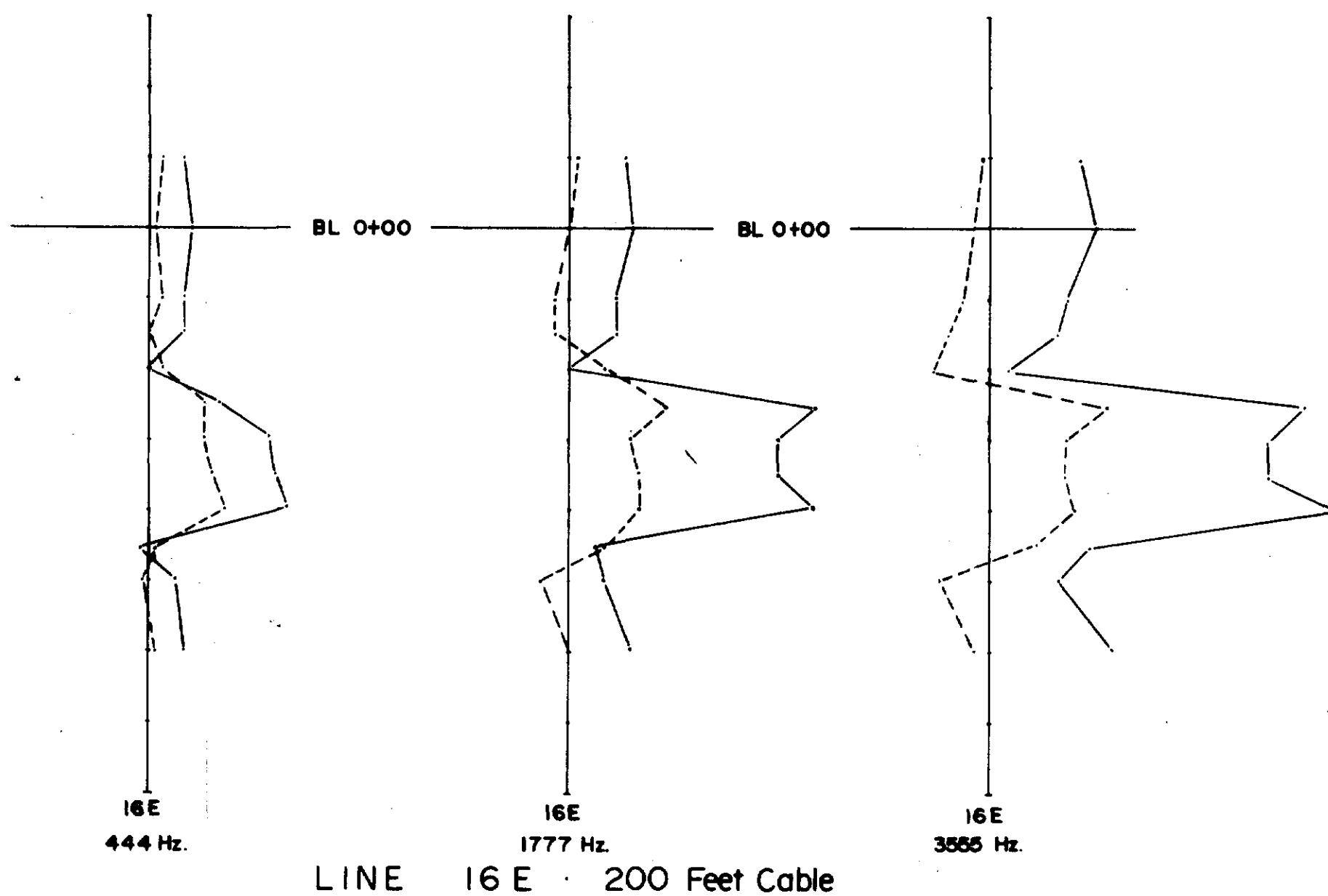
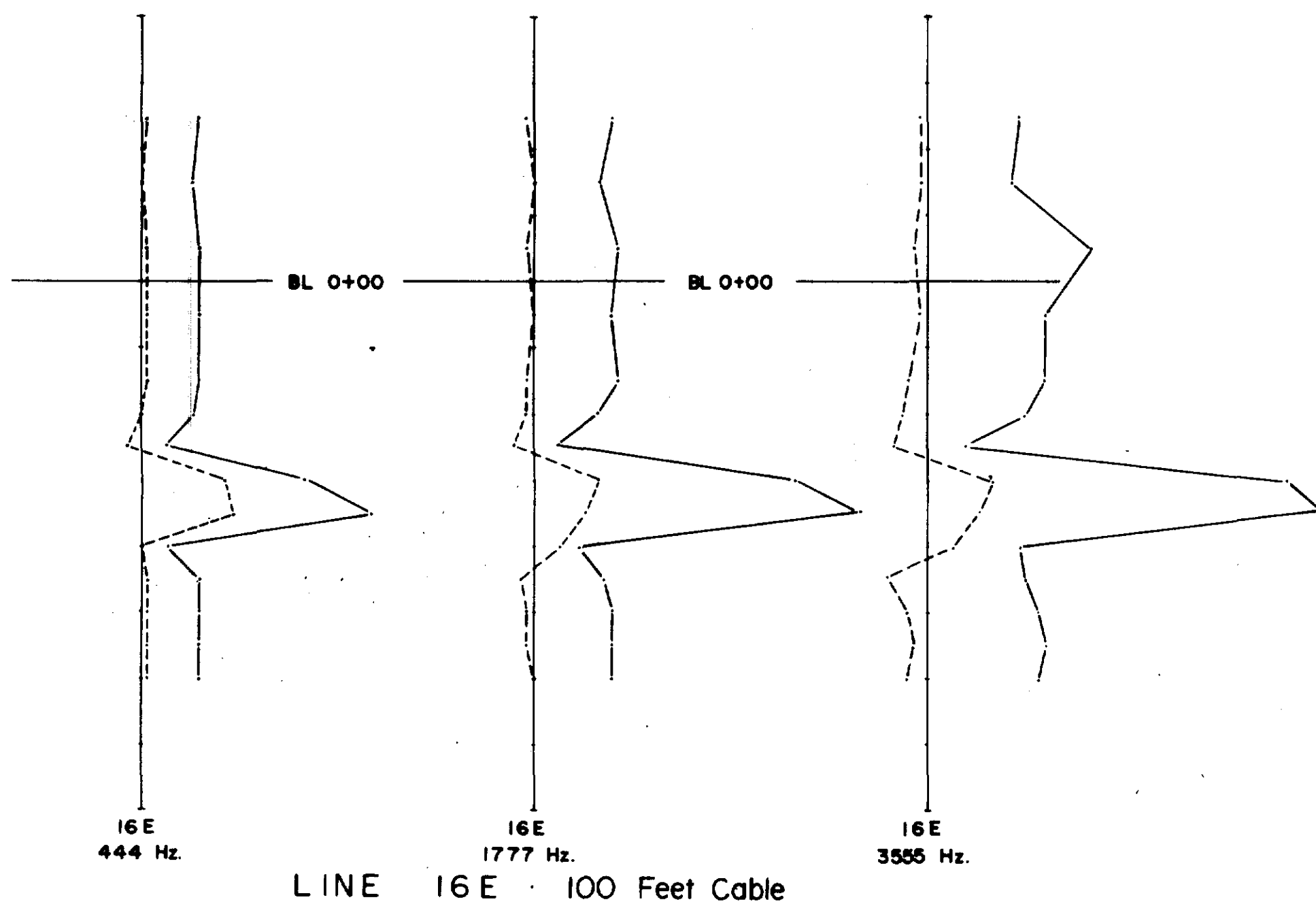
CLIENT BRINEX LIMITED  
 PROJECT MANITOUWADGE AREA  
 GRID A. E. 4  
**MAGNETOMETER SURVEY**

Scale: 1 inch = 200 feet  
 Drafted By: J. Hol  
 Covering Dates: Field June 4-30, 1978  
 Office July 5-15, 1978  
 Consultant: P.T. George  
*John I. George*

**GEOEX Limited**  
 Exploration Services and Management  
 P.O. Box 70,  
 Timmins, Ont.  
 (705) 267-3990

Drawing Number  
**2C**





LOCATION MAP Scale:

LEGEND

Conductor Axis

Conductor Width

Conductivity Thickness (mhos)/Depth Estimate (m)

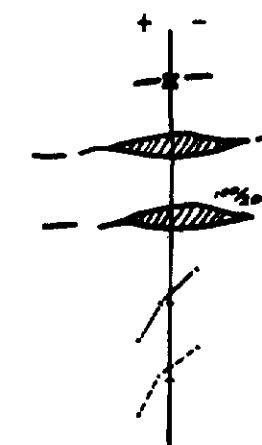
In-Phase Profile

Quadrature Profile

Profile Scale: 1 Inch = 20 %

Instrument: Apex Parametrics Maxmin II

Cable: AS SHOWN



Claim Post

Witness Post

Creek

Swamp

Lake

Trell



Road

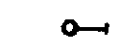
Fence

Hydro Line

Building

Drill Hole

Outcrop



CLIENT BRINEX LIMITED  
PROJECT MANITOUWADGE AREA  
GRID A. E. 4  
DETAIL  
H.E.M. SURVEY

Scale: 1 Inch = 200 Feet

Drafted By: J. Hol

Covering Dates: Field June 4-30, 1978  
Office July 5-15, 1978

Consultant: P. T. George

*P. T. George*

GEOEX Limited

Exploration Services and Management

P.O. Box 70,

Timmins, Ont.

(705) 267-3990

Drawing  
Number

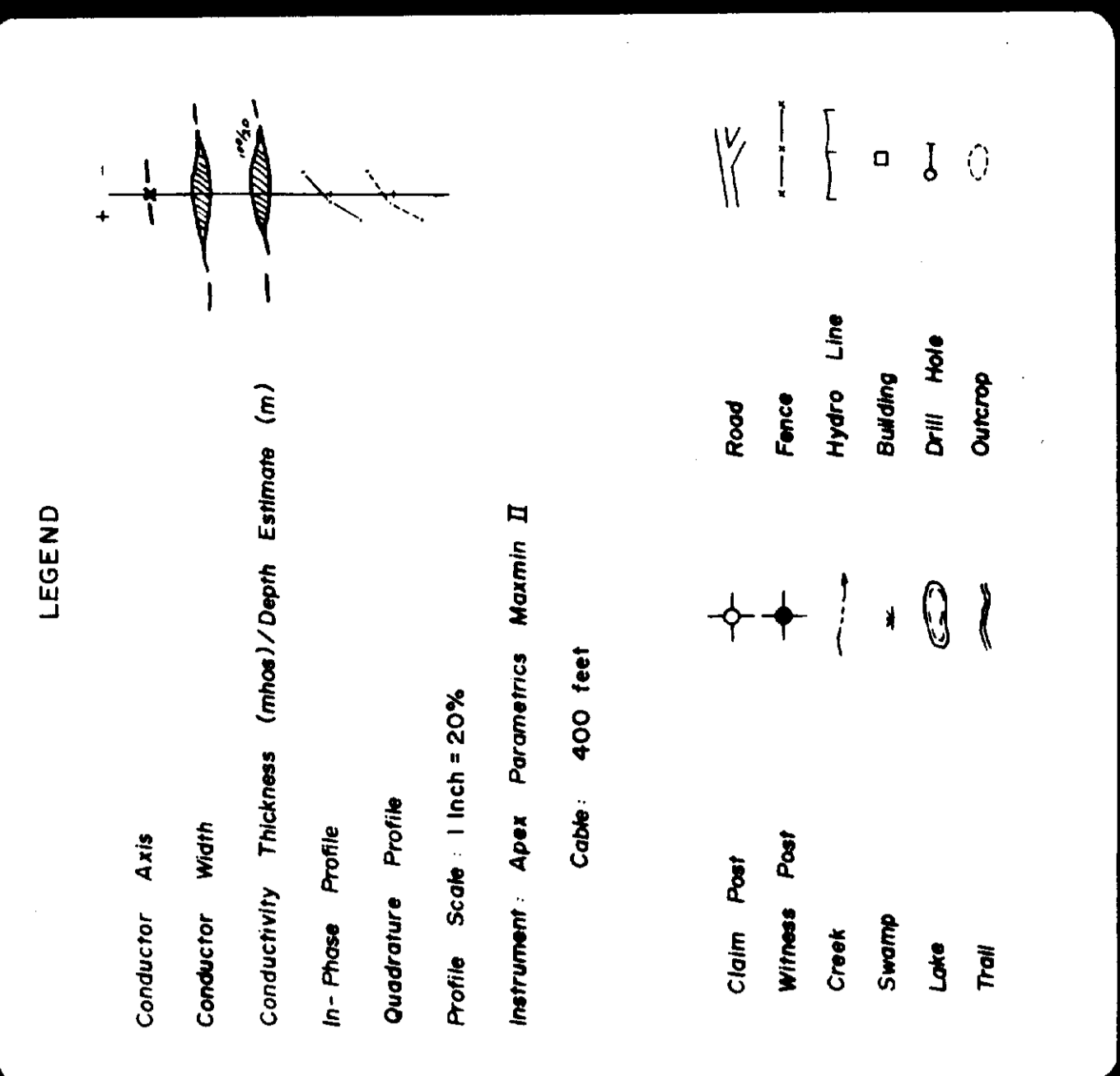
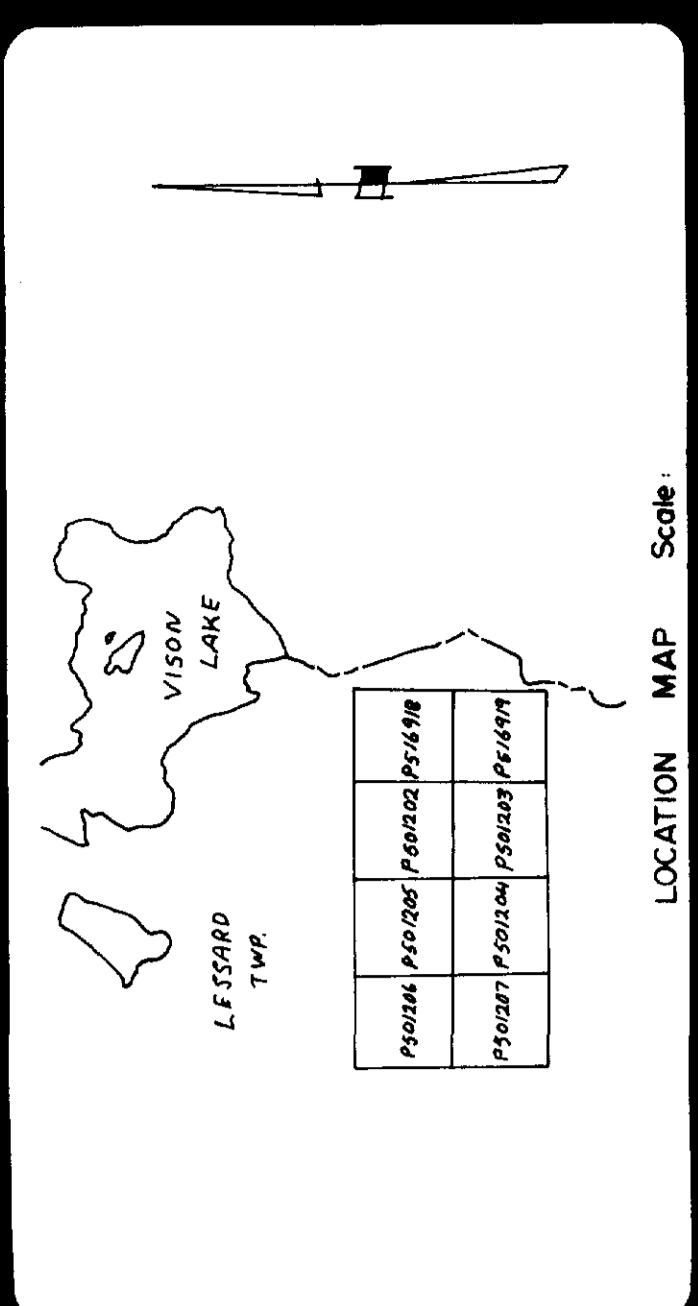
2D



42F65W0002 2.2864 F0CH

300

2.2864



CLIENT: BRINEX LIMITED  
PROJECT: MANITOUWADGE AREA  
GRID: A.E. 5

444 HZ  
H.E.M. SURVEY

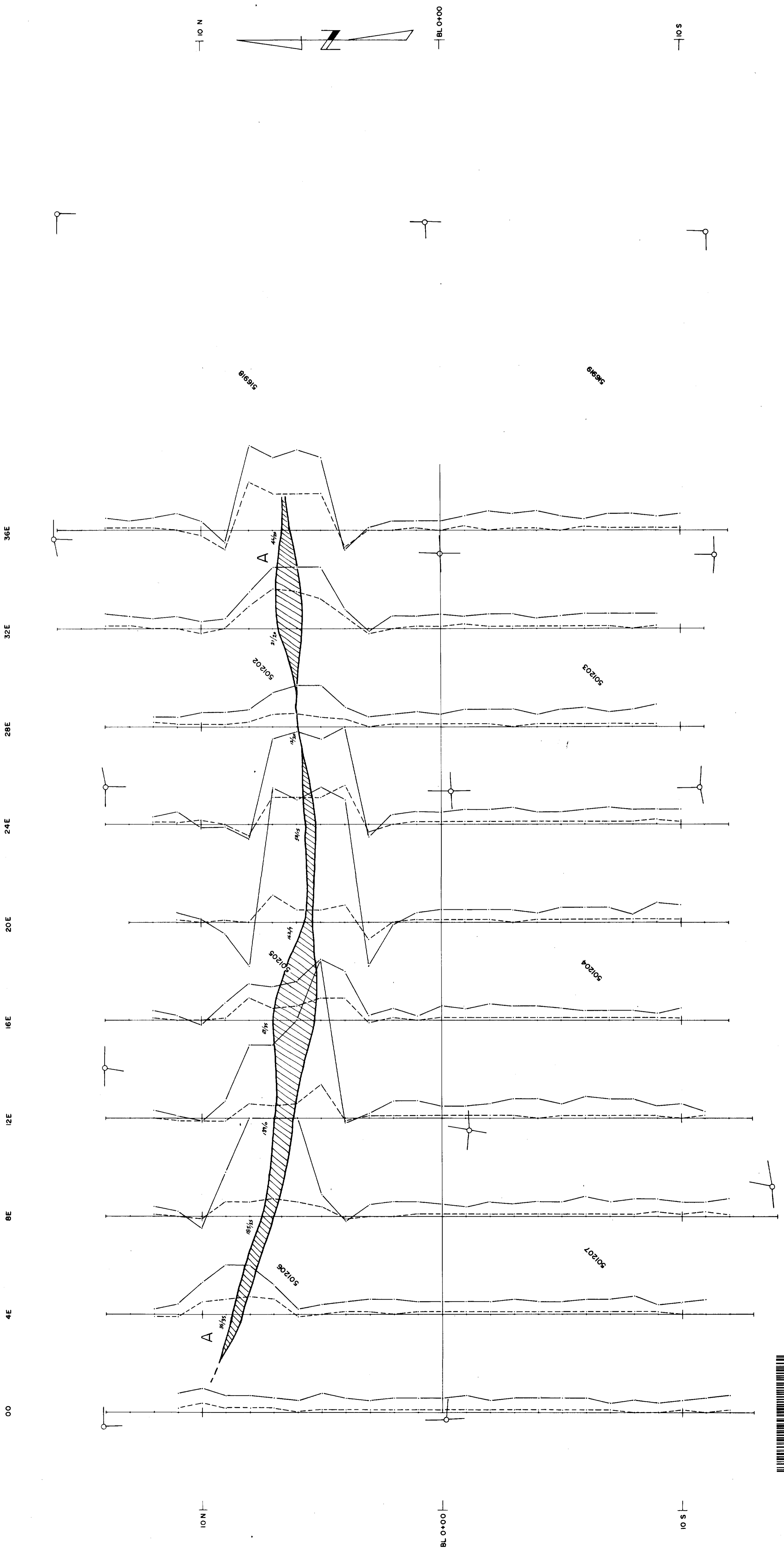
Scale: 1 inch = 200 Feet  
Covering Dates: Field June 4-30, 1978  
Office July 5-15, 1978

Drafted By: J. Hol  
Consultant: P.T. George

**GEOEX Limited**  
Exploration Services and Management

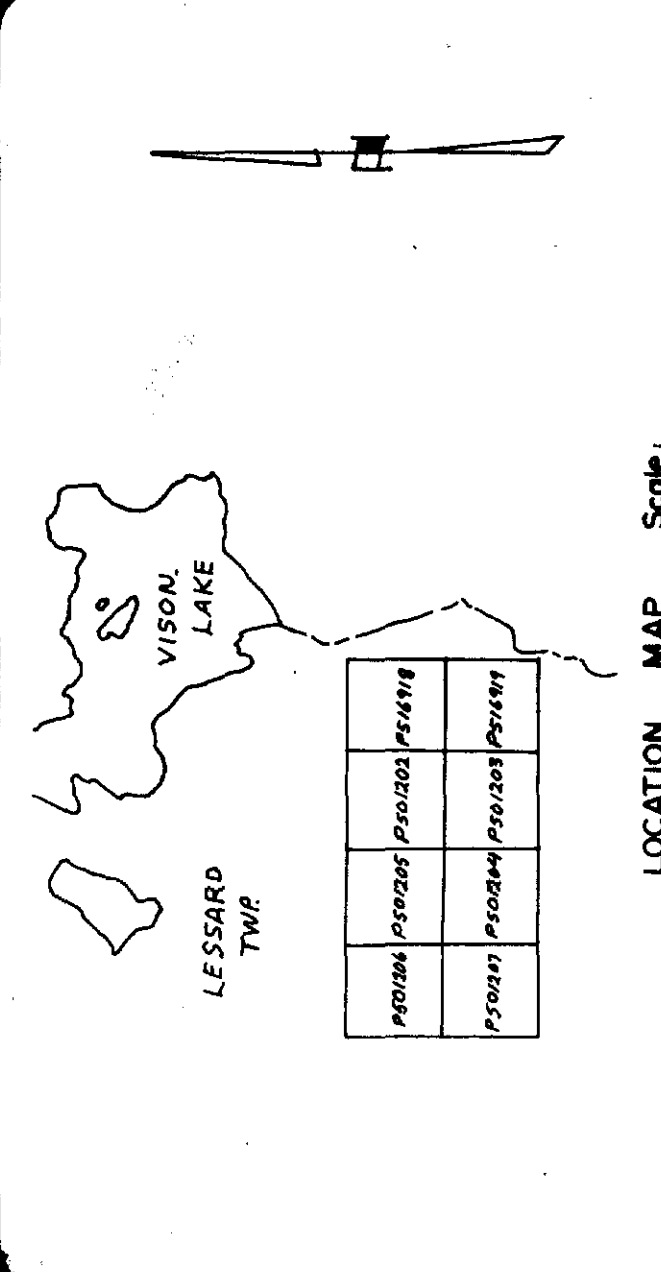
P.O. Box 70,  
Timmins, Ont.  
(705) 267-3990

Drawing Number  
**3A**



310  
25506

2.2864



**LEGEND**

Conductor Axis  
 Conductor Width  
 Conductivity Thickness (mho-ft)/Depth Estimate (m)  
 In-Phase Profile  
 Quadrature Profile  
 Profile Scale: 1 inch = 20%

Instrument: Apex Parametrics Maxmin II  
 Cable: 400 feet

Claim Post      Road  
 Witness Post    Fence  
 Creek            Hydro Line  
 Swamp           Building  
 Lake             Drill Hole  
 Trail             Outcrop

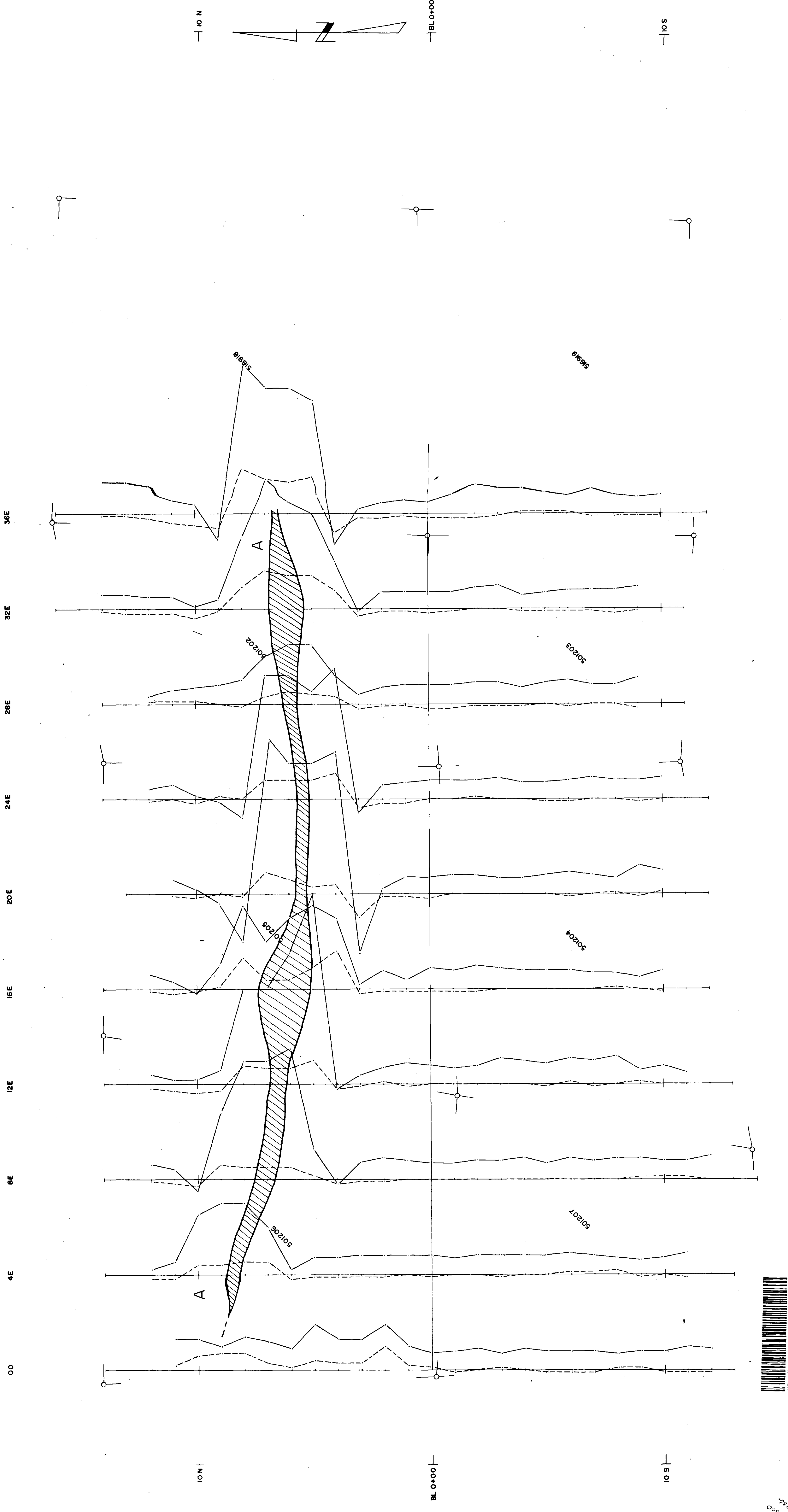
CLIENT: BRINEX LIMITED  
 PROJECT: MANITOWADGE AREA  
 GRID: A. E. 5  
 1777 Hz  
 H.E.M. SURVEY

Scale: 1 inch = 200 Feet  
 Drafted By: J. Hol

Covering Dates: Field June 4-30, 1978  
 Office July 5-15, 1978  
 Consultant: P.T. George  
*P.T. George*

GEOEX Limited  
 Exploration Services and Management  
 P.O. Box 70,  
 Timmins, Ont.  
 (705) 267-3990

Drawing Number  
**3B**



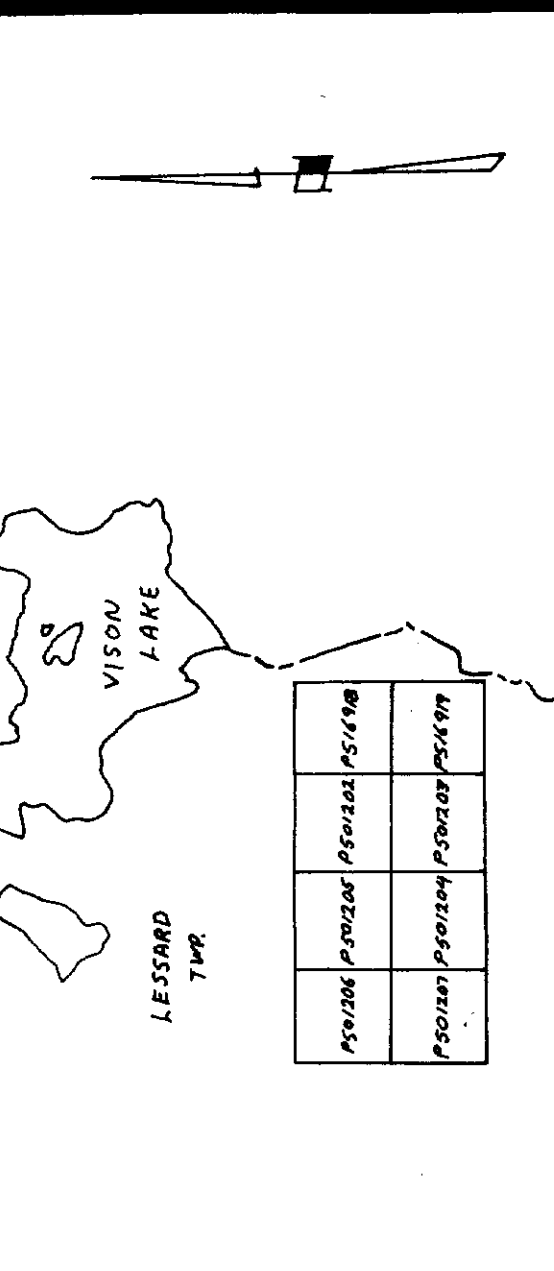
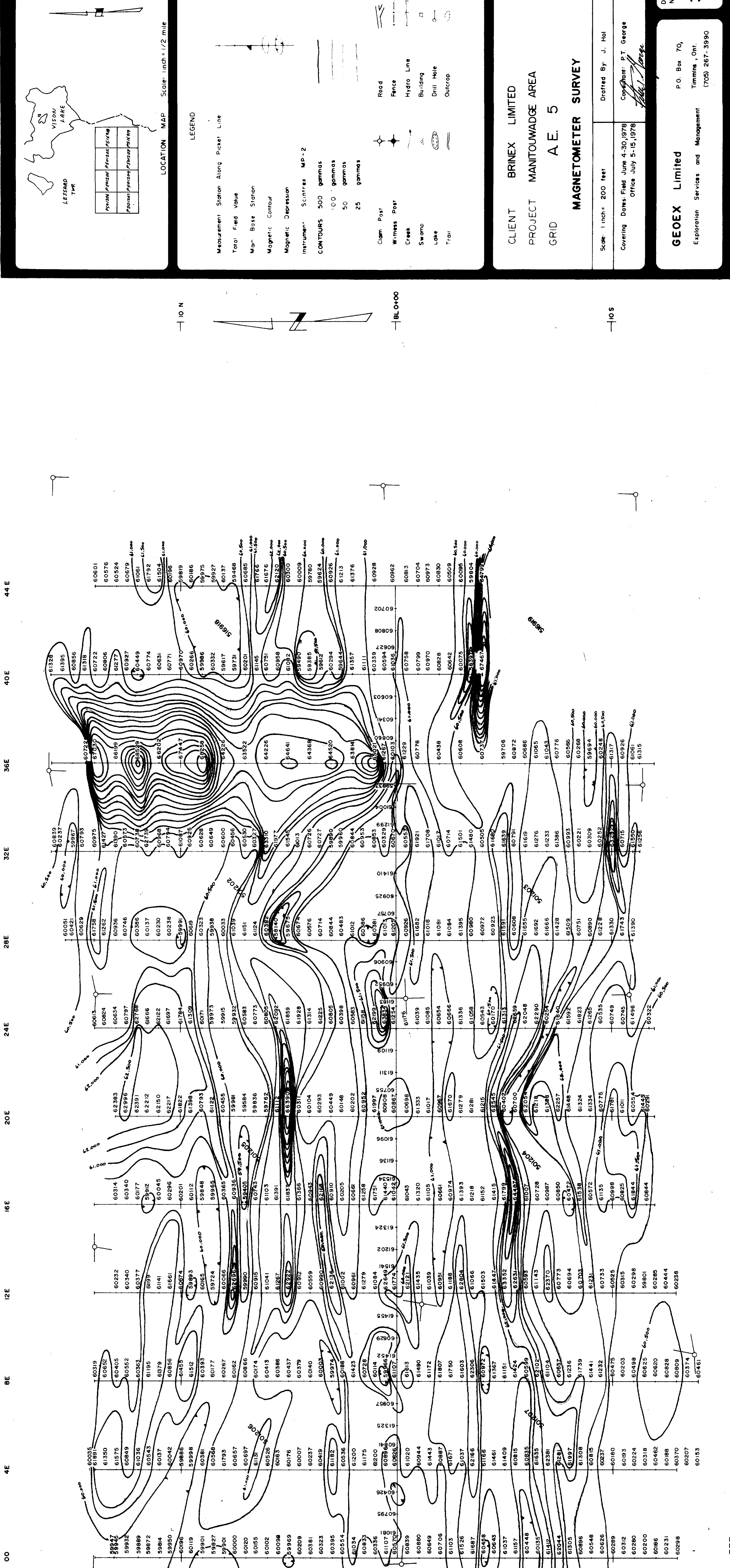
350

2-2864



45-100-10000-2-2864 PROJ

330



**LEGEND**

Measurement Station Along Picket Line

Total Field Value

Mag. Base Station

Magnetic Contour

Magnetic Depression

Instrument: Scintrex MP-2

CONTOURS 500 gammas  
100 gammas  
50 gammas  
25 gammas

Clam Post  
Witness Post  
Creek  
Swamp  
Lake  
Trail

Road  
Fence  
Hydro Line  
Building  
Drill Hole  
Outcrop

CLIENT BRINEX LIMITED  
PROJECT MANITOWADGE AREA  
GRID A E. 5  
MAGNETOMETER SURVEY

Scale: 1 inch = 200 feet  
Covering Dates: Field June 4-30, 1978  
Office July 5-15, 1978

Drafted By: J. Hol  
Checked By: P.T. George

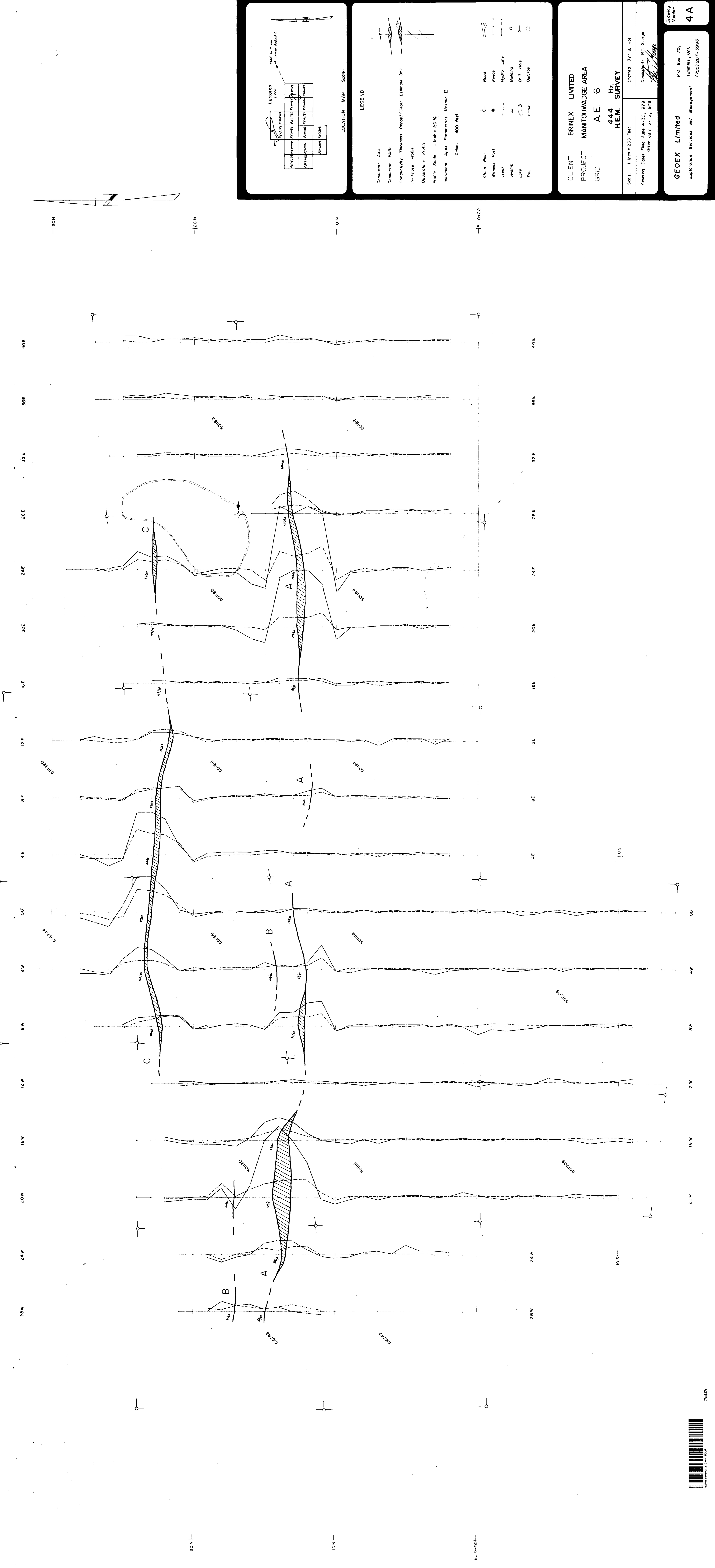
**GEOEX Limited**  
Exploration Services and Management

P.O. Box 70,  
Timmins, Ont.  
(705) 267-3990

Drawing Number  
**3C**

2.2864





CLIENT BRINEX LIMITED  
 PROJECT MANTOUWADGE AREA  
 GRID A.E. 6  
 444 HZ  
 H.E.M. SURVEY

Scale: 1 inch = 200 feet  
 Drawn By: J. J. Hol  
 Checked By: J. J. Hol  
 Survey Dates: Field June 4-30, 1978  
 Office July 3-15, 1978

CONDUCTOR AXIS  
 CONDUCTOR WIDTH  
 CONDUCTIVITY THICKNESS (mhos/Depth Estimate (m))  
 IN-PHASE PROFILE  
 QUADRATURE PROFILE  
 PROFILE SCALE 1 inch = 20 ft.  
 INSTRUMENT Apex Parametrics Moxmin II  
 COILS 400 feet

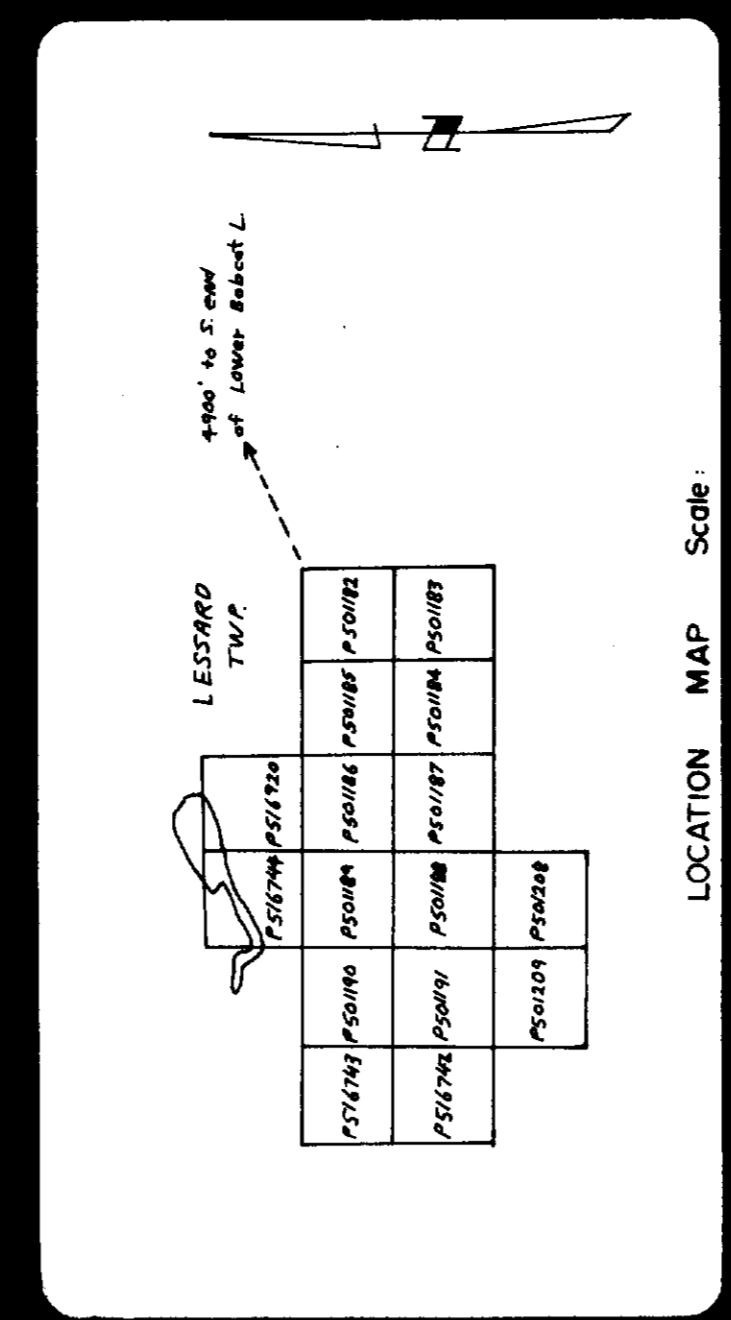
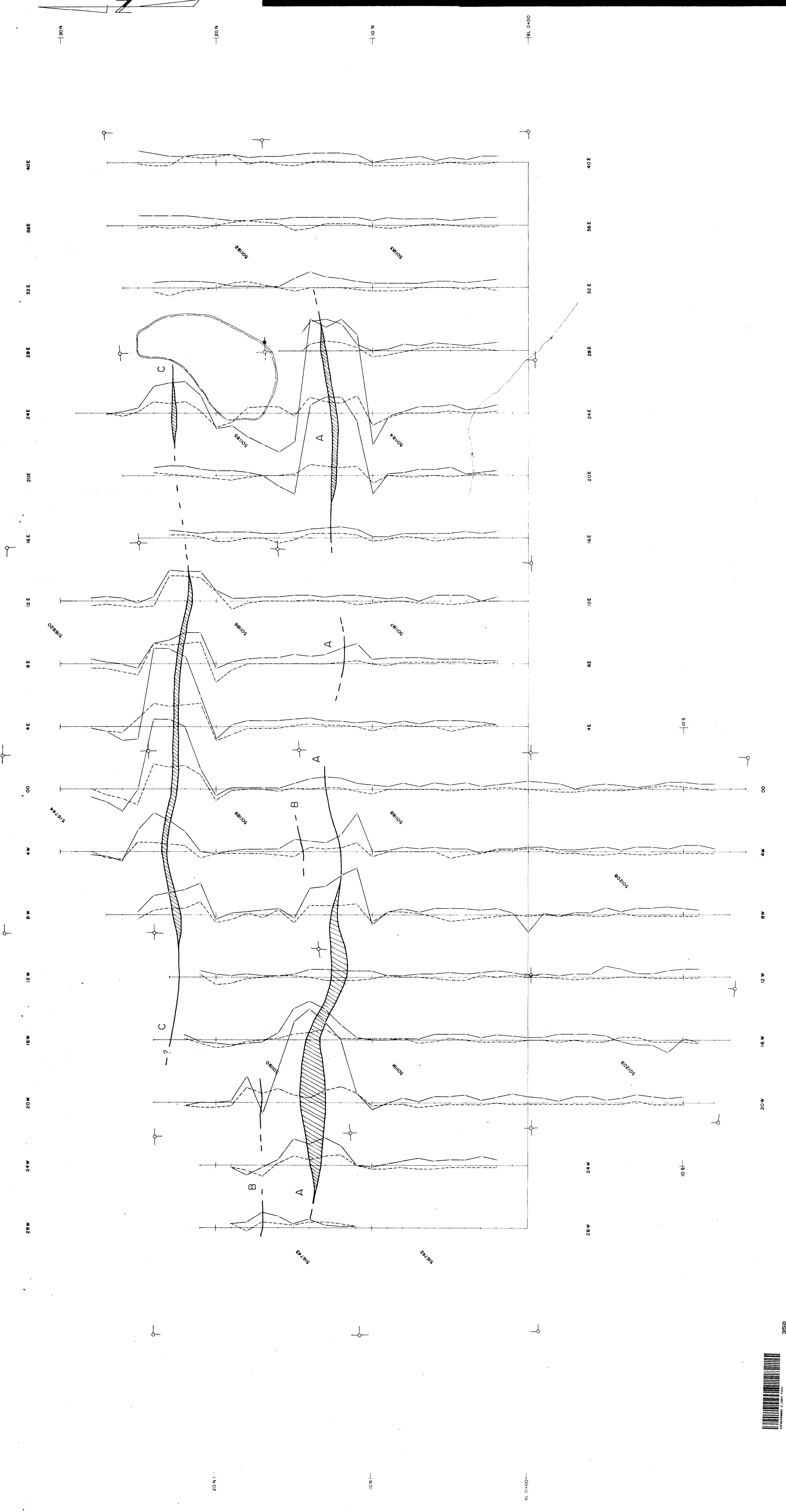
LEGEND

- Road
- Fence
- Hydro Line
- Building
- Drill Hole
- Outcrop
- Claim Post
- Witness Post
- Creek
- Swamp
- Lake
- Tail

GEOEX Limited  
 P.O. Box 70,  
 Timmins, Ont.  
 Exploration Services and Management  
 (705) 267-3990

Drawing Number  
**4A**

2.2864



LEGEND

Conductor Area	Column Post	Road
Conductor Width	Witness Post	Fence
Conductivity Thickness (mho-ft)/Depth Estimate (m)	Creek	Hydro Line
In-Phase Profile	Swamp	Building
Quadrature Profile	Lake	Drill Hole
Profile Scale: 1 inch = 20 ft	Tail	Outcrop
Instrument: Apar Parametrics Marmm II		
Code: 400 feet		

CLIENT: BRINEX LIMITED  
 PROJECT: MANITOWADGE AREA  
 GRID: A.E. 6  
 1777 HZ  
 H.E.M. SURVEY

Scale: 1 inch = 200 Feet  
 Drafted By: J. Hol

Covering Dates: Field June 4-30, 1978  
 Office July 5-15, 1978  
 Consultant: P.T. George

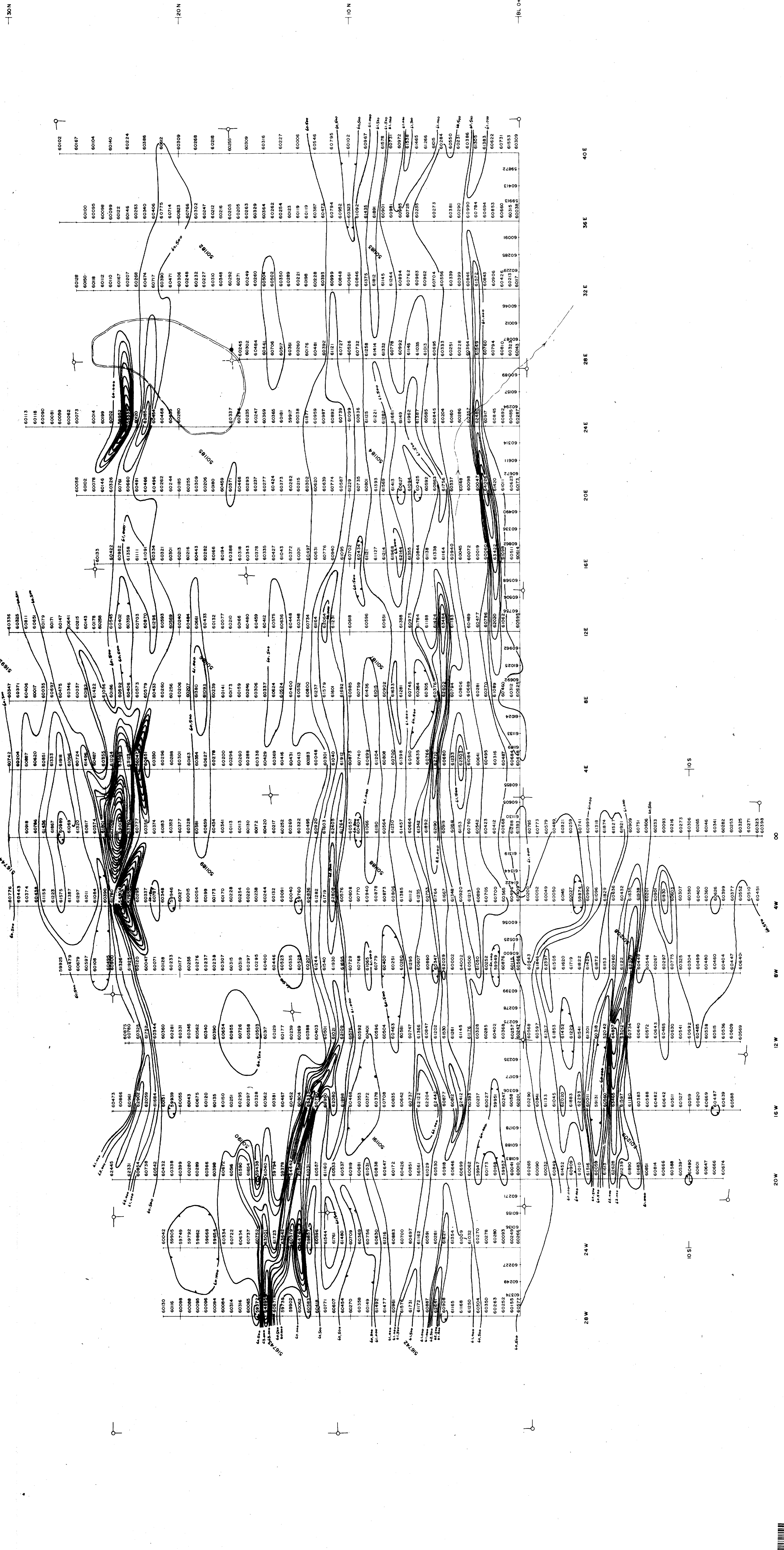
GEOEX Limited  
 Exploration Services and Management  
 P.O. Box 70,  
 Timmins, Ont.  
 (705) 267-3990

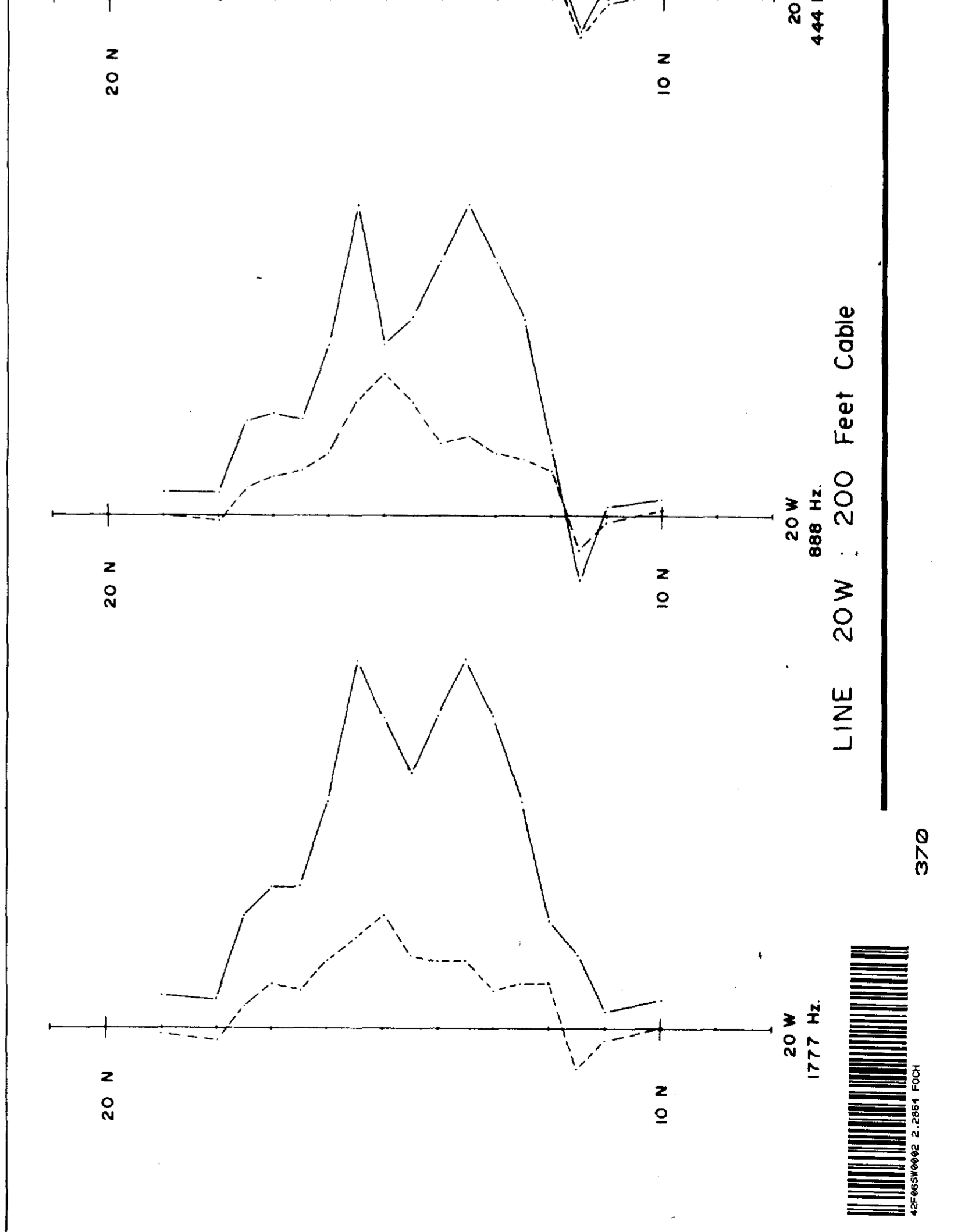
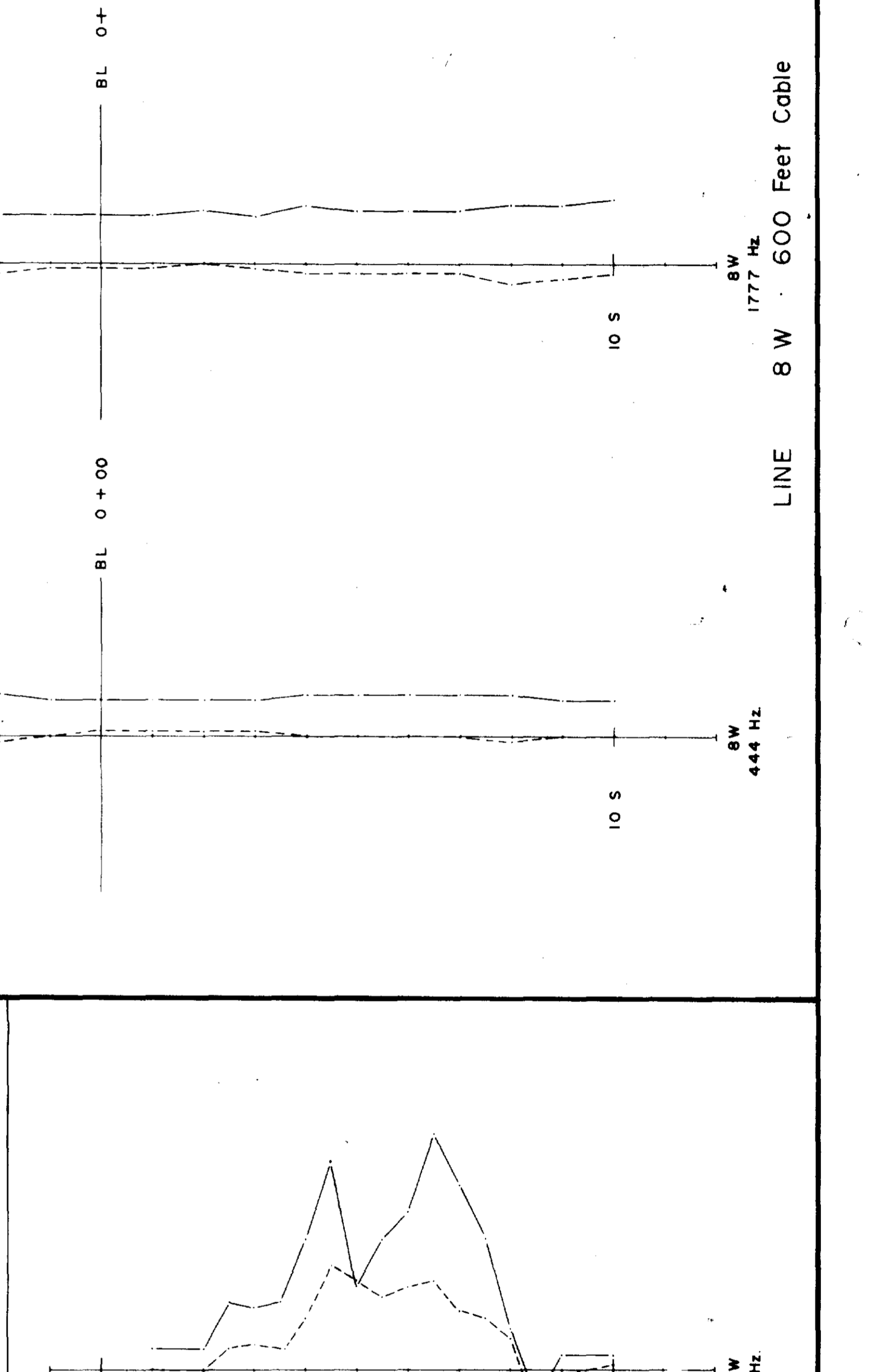
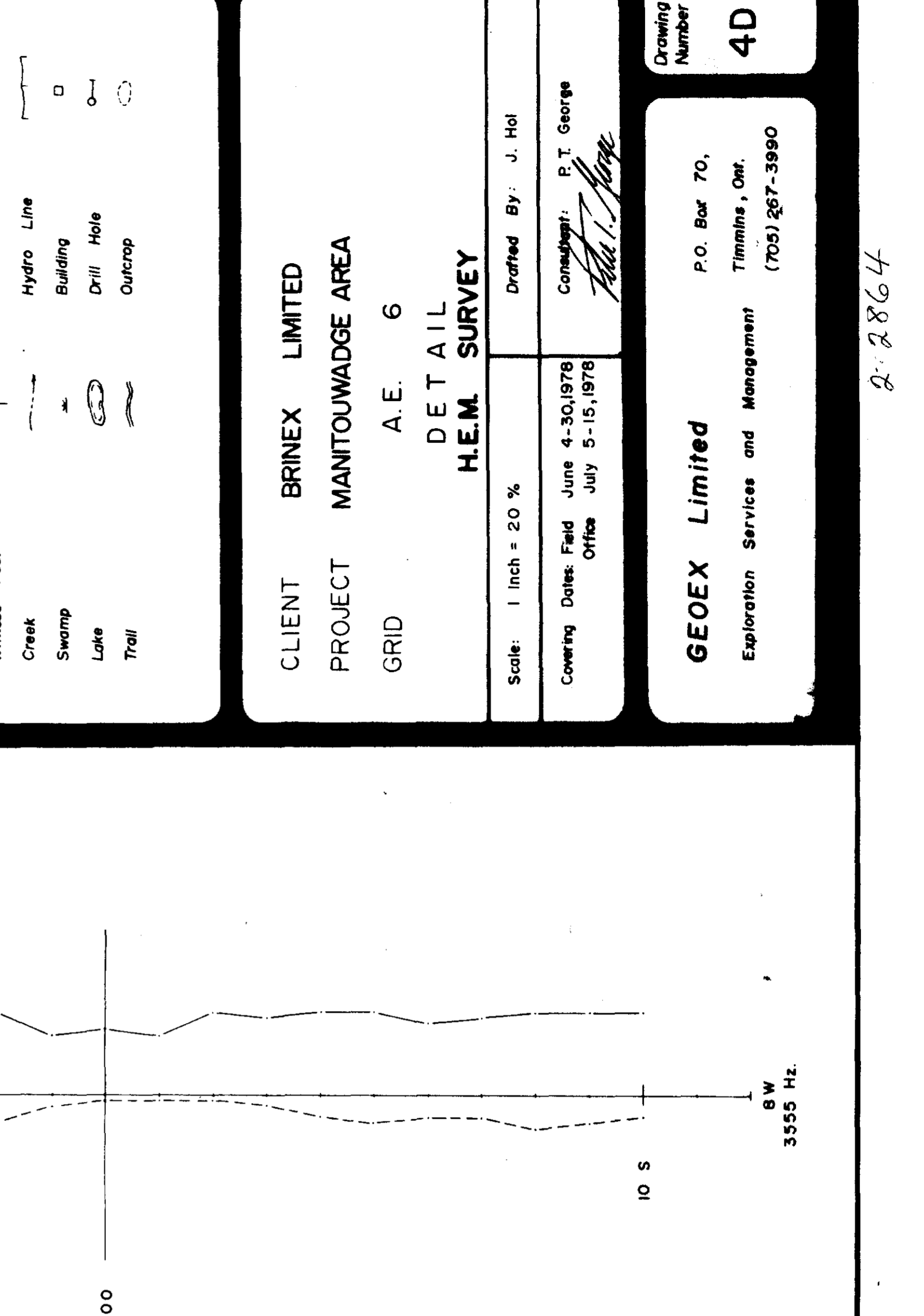
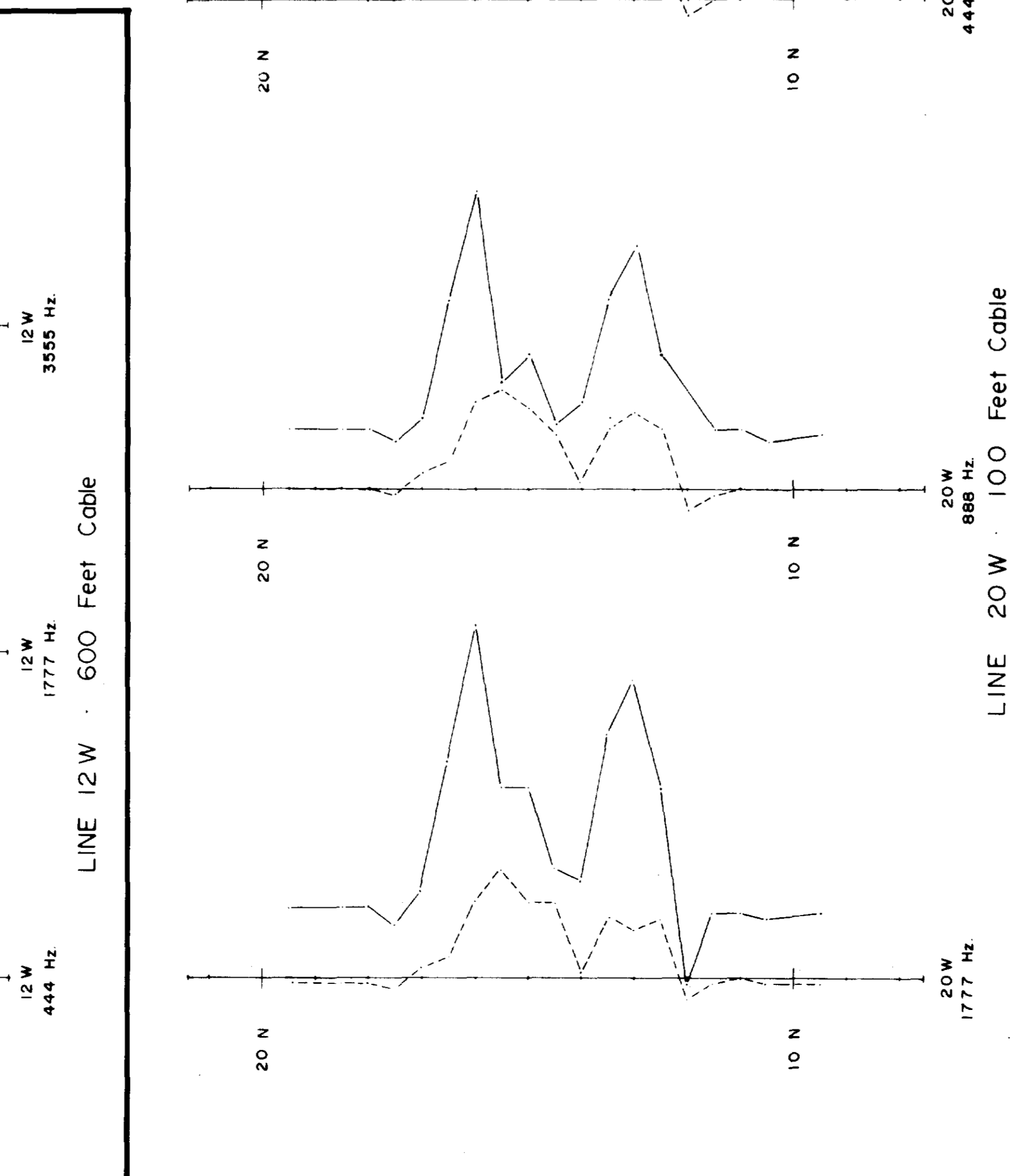
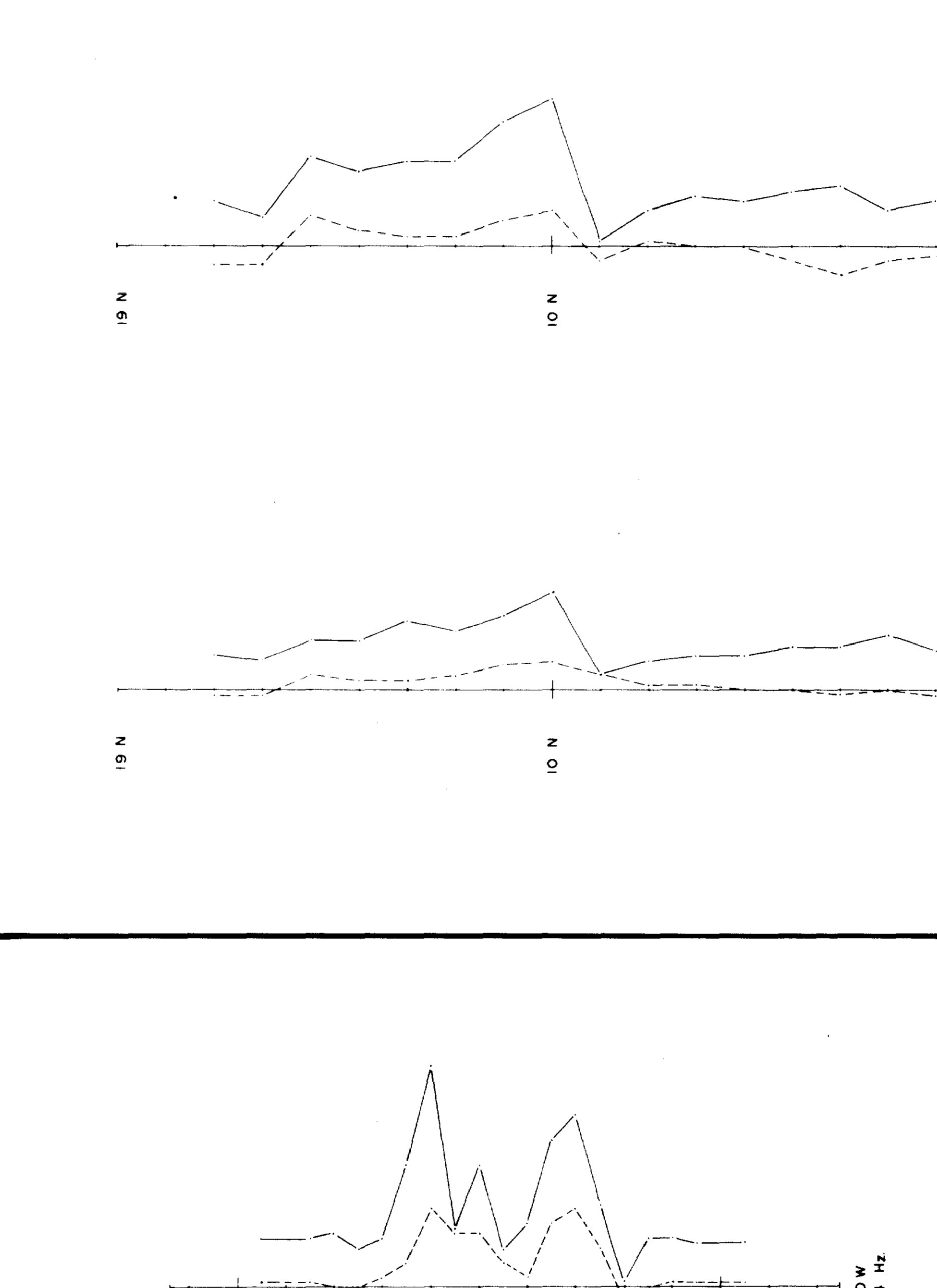
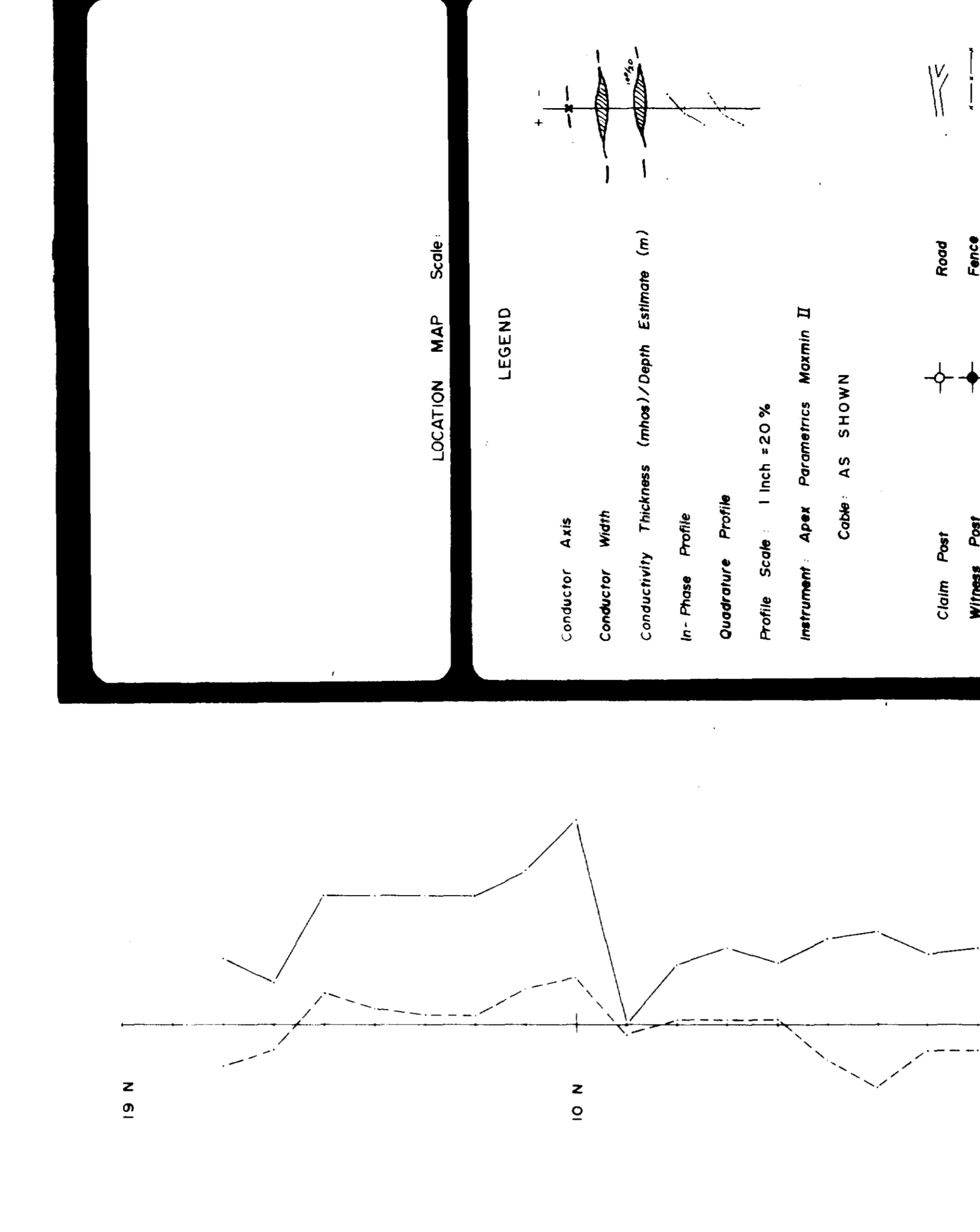
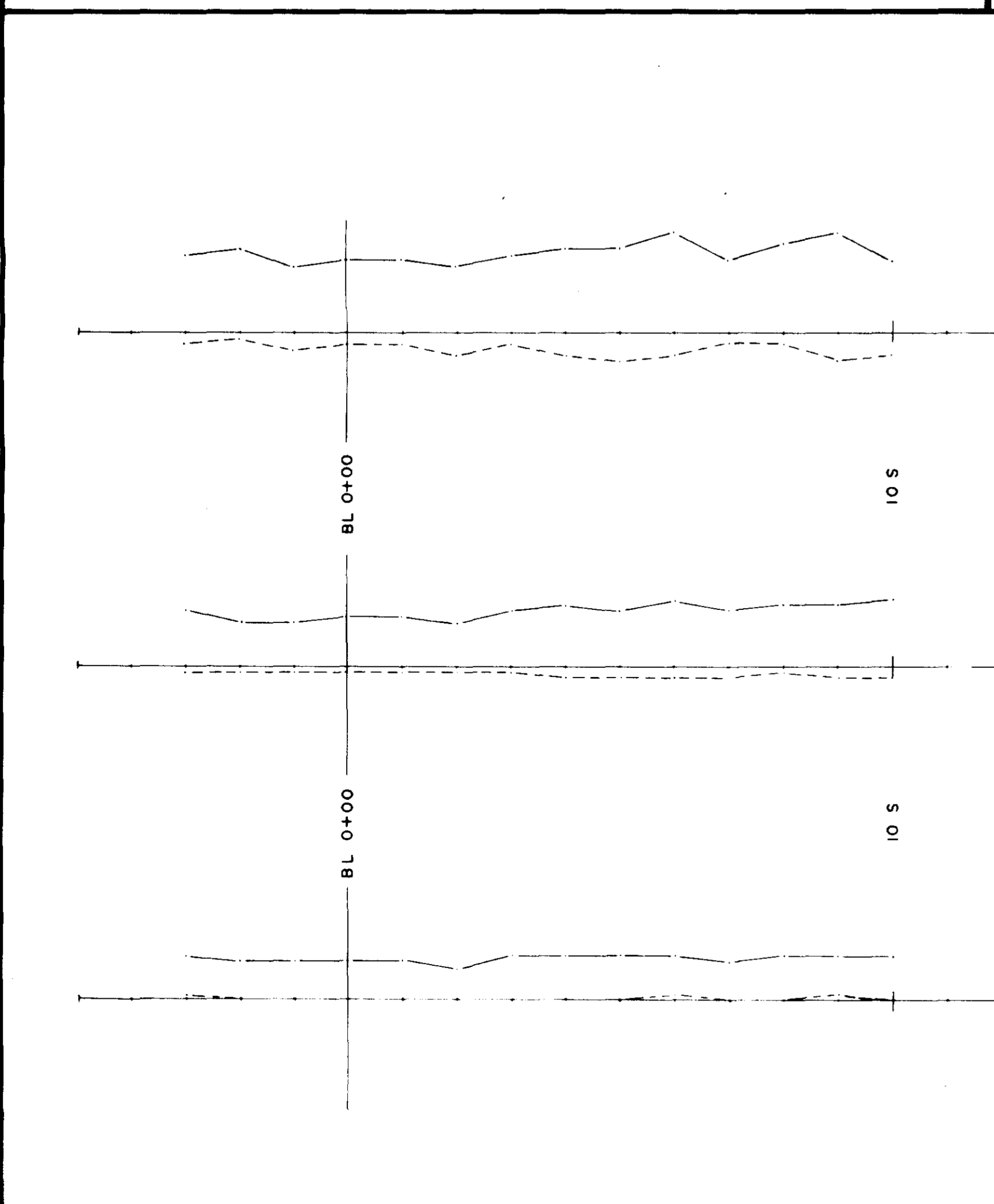
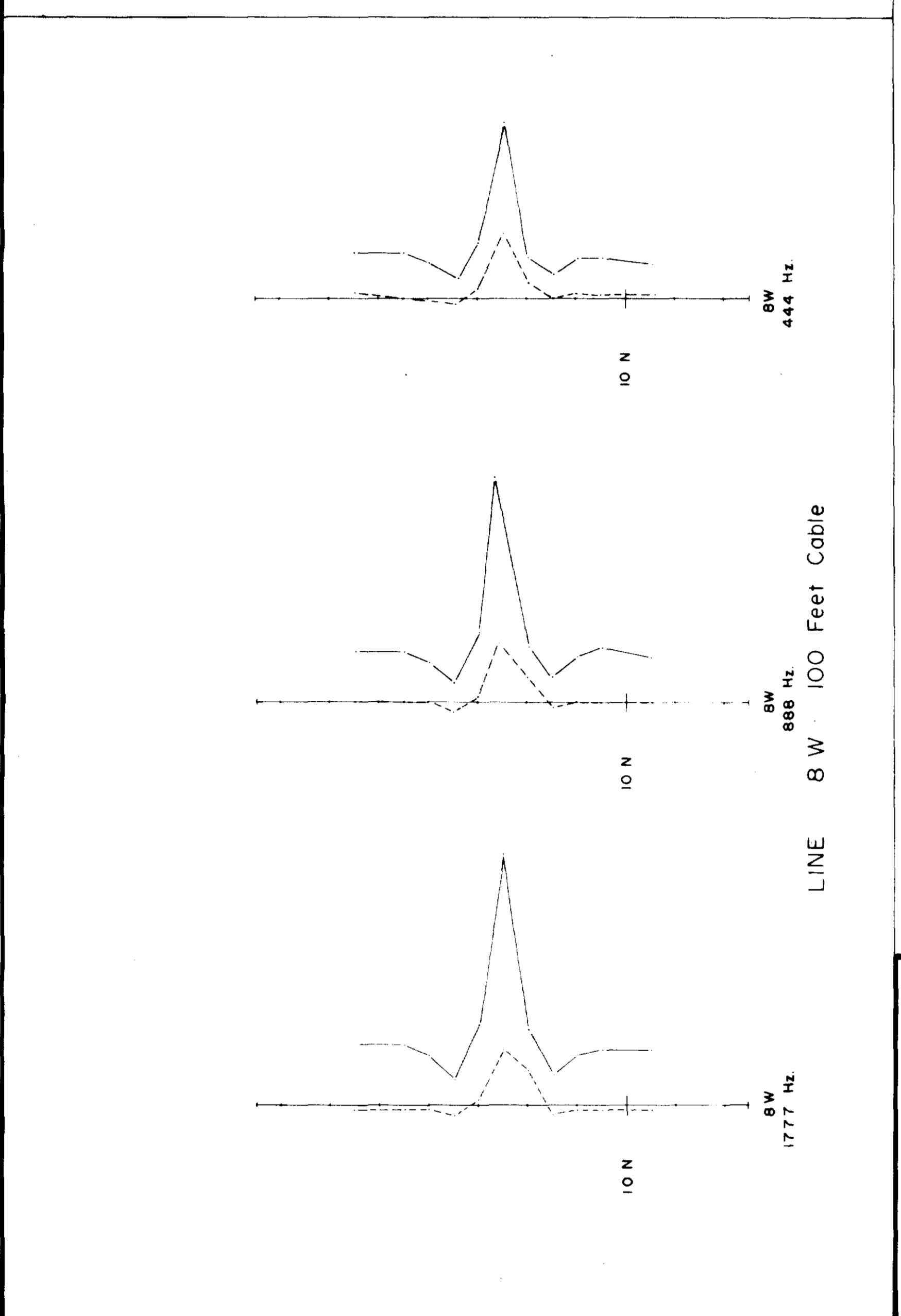
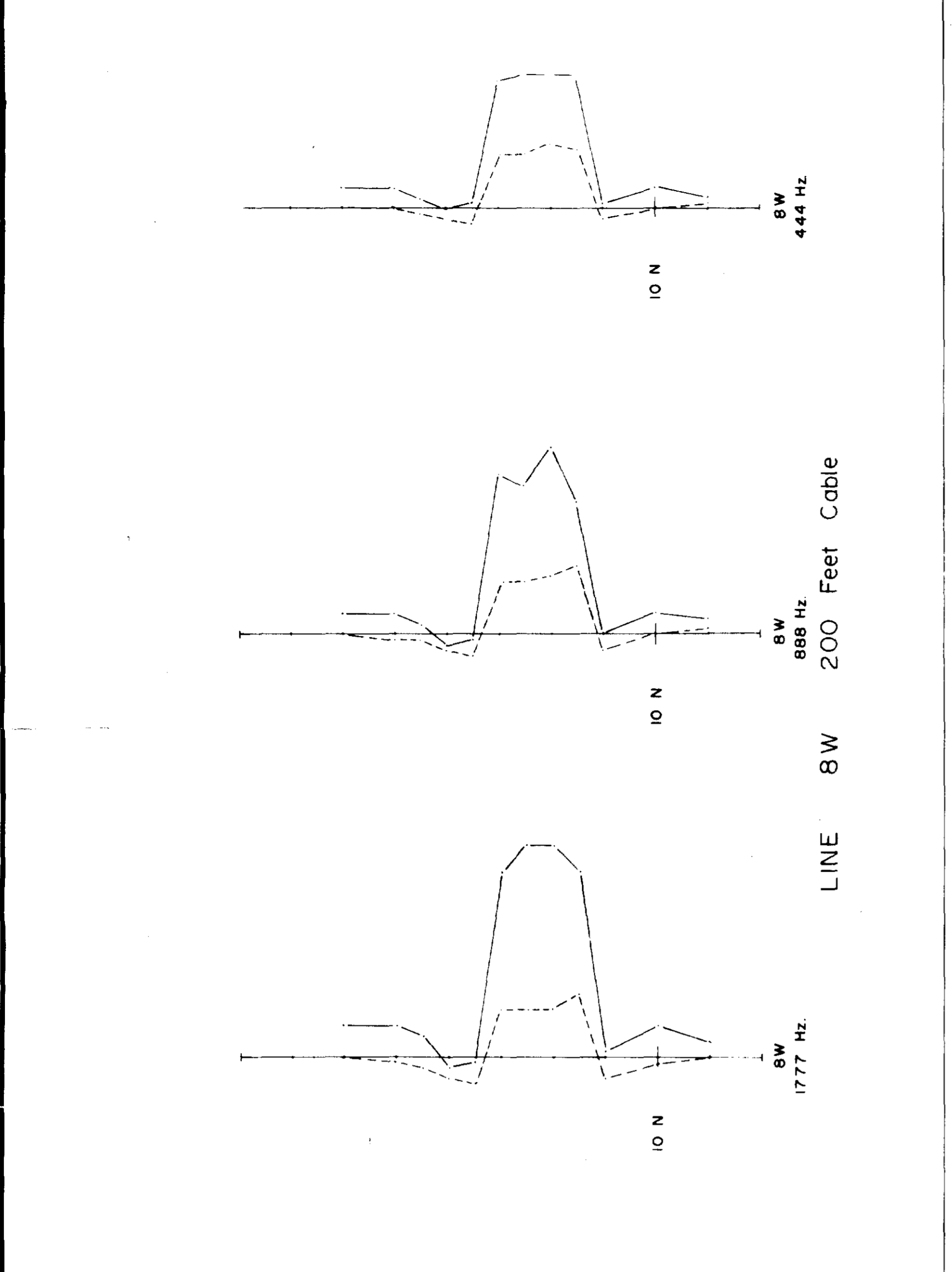
Sheet Number  
 4B



3520

2 2864





LOCATION MAP Scale:

LEGEND

Conductor Axis	Claim Post	Road
Conductor Width	Witness Post	Fence
Conductivity Thickness (mho-ft)/Depth Estimate (m)	Creek	Hydro Line
In-Phase Profile	Swamp	Building
Quadrature Profile	Lake	Drill Hole
Profile Scale: 1 inch = 20%	Trail	Outcrop
Instrument: Apex Parametrics Maxmin II		
Cable: AS SHOWN		

CLIENT: BRINEX LIMITED  
PROJECT: MANTOUWADGE AREA  
GRID: A.E. 6

DETAILED  
H.E.M. SURVEY

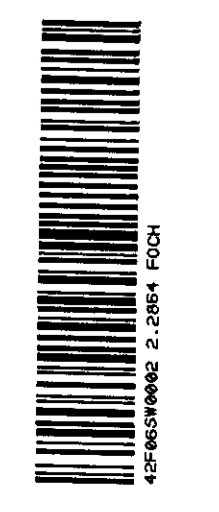
Scale: 1 inch = 20%  
Covering Dates: Field June 4-30, 1978  
Office July 5-15, 1978

Drafted By: J. Hol  
Consultant: P.T. George

GEOEX Limited  
Exploration Services and Management

P.O. Box 70,  
Timmins, Ont.  
(705) 267-3980

Drawing Number  
4D



LOCATION MAP Scale . . .

LEGEND

- Conductor Axis
  - Conductor Width
  - Conductivity Thickness (moal)/Depth Estimate (m)
  - In-Phase Profile
  - Quadrature Profile
  - Profile Scale : 1 inch = 20 %
  - Instrument : Apex Parametrics Maxmin II
  - Cable : AS SHOWN
- Claim Post
  - Witness Post
  - Creek
  - Swamp
  - Lake
  - Trail
  - Road
  - Fence
  - Hydro Line
  - Building
  - Drill Hole
  - Outcrop

CLIENT BRINEX LIMITED  
 PROJECT MANITOUWADGE AREA  
 GRID A. E. 6  
 DETAIL H.E.M. SURVEY

Scale: 1 inch = 200 Feet  
 Drafted By: J. Hol  
 Consulting P.T. George  
 Covering Dates: Field June 4-30, 1978  
 Office July 5-15, 1978

**GEOEX Limited**  
 Exploration Services and Management  
 P.O. Box 70,  
 Timmins, Ont.  
 (705) 267-3990  
 Drawing Number **4E**

