010

GEOPHYSICAL REPORT

PROTON MAGETOMETER AND VLF EM-16 SURVEYS

DAVIDSON-CARR PROPERTY

ABH EAST GROUP

for

VILLENEUVE RESOURCES INC.

By: IAN SPENCE
PHANTOM EXPLORATION SERVICES LTD.

TABLE OF CONTENTS

INTRODUCTION

Proton Magnetometer and VLF EM-16 surveys were carried out over the Davidson-Carr Property for Villeneuve Resources Inc. during the winter of 1988. The ABH West Claim Group is comprised of 9 Patented claims and 64 unpatented claims (a complete list of the claims is included in Appendix A). Approximately 73 miles of grid was established over the group at a station interval of 100 feet along lines that were spaced every 400 feet. A Scintrex MP-2 Proton Magnetometer was used for the magnetic survey and a Geonics EM-16 was used for the VLF Survey.

LOCATION AND ACCESS

The property is located approximately 140 miles to the north of the village of Ignace in Northwestern Ontario. Access to the claim group is provided by snow machine in the winter and boat in the summer. The nearest hamlet is Savant Lake located along Highway 580 to the west of the property. The claim group itself is situated on the Northeast Arm of Sturgeon Lake.

THEORY OF OPERATION

The Proton Magnetometer

The Proton Precession Magnetometer is so named because it utilizes the precession of spinning protons or nuclei of the hydrogen atom in a sample of hydrocarbon fluid to measure the total magnetic field intensity. The spinning protons in a sample of kerosene behave as small, spinning magnetic dipoles. These magnets are temporarily polarized by application of a uniform magnetic field generated by a current in a coil of wire. When the current is removed, the spin of the protons causes them to precess about the direction of the ambient (earth's) magnetic field. The precessing protons then generate a small signal whose frequency is precisely proportional to the total magnetic field intensity and independent of the orientation the coil (sensor). The proportionality which relates frequency to the field intensity is called the gyromagnetic ratio of the proton. The precession frequency, typically 2000 Hz, is measured as the absolute value of the total magnetic field intensity with an accuracy of 1 gamma.

The total magnetic intensity, as measured by the proton magnetometer is the magnetitude of the earth's field vector independent of of its direction. The measurement can be expressed as a length (50,000 gammas) of the earth's field vector. A local disturbance, say 10 gammas, would add (or subtract) to the undisturbed field of 50,000 gammas in the usual manner of vector addition. Since the proton magnetometer measures only the magnitude of the resultant vector (whose direction is almost parallel to the undisturbed total field vector), that which is measured is very nearly the component of the disturbance vector in the direction of the undisturbed total field. Thus the change in total field intensity is called the anomaly.

The VLF EM-16

The VLF transmitting stations operating for communications with submarines have a vertical antenna. The antenna current is thus vertical, creating a concentric horizontal magnetic field around them. When these magnetic fields meet conductive bodies in the ground, there will be secondary fields radiating from these bodies. The VLF EM-16 measures the vertical components of these secondary fields.

The VLF EM-16 is a sensitive receiver covering the frequency bands of the VLF transmitting

stations with means of measuring the vertical field components.

The receiver has two inputs with two receiving coils built into the instrument. One coil has a normally vertical axis and the other has a horizontal axis.

The signal from one of the coils (vertical axis) is first minimized by tilting the instrument. The tilt angle on the VLF EM-16 is calibrated as a percentage and not as a true dip. This is significant in the calculation of the Fraser Filter data since the larger numbers obtained from the percentage meter will result in larger filtered values. The remaining signal in this coil is balanced out by a measured percentage of a signal from another coil, after being shifted 90 degrees. This coil is normally parallel to the primary field.

Thus, if the secondary field signals are small compared to the primary horizontal field, the mechanical tilt angle is an accurate measurement of the vertical real component, and the compensation 90 degree signal from the horizontal coil is a measure of the quadrature vertical signal.

SURVEY PROCEDURE

The Proton Magnetometer

The magnetometer data was collected at 100 foot intervals using an Scintrex MP-2 Proton Magnetometer. The field data from the surveys was then referred to a base station recorder Scintrex MBS-2 which operated continuously throughout the survey. The purpose of the recorder was to correct the fluxuations in the earth's magnetic field as the survey took place. Data was corrected, then plotted on a map scale of 1" = 400 feet and contoured at 200 gamma intervals.

The VLF EM-16

The Cutler, Maine transmitter station was chosen because of its favourable orientation to the geology of the area.

VLF readings were taken at 100 foot intervals over the entire grid using the Geonics EM-16 with both the dip angle and the quadrature being noted at each station.

To take a reading, the reference coil ("T") in the lower end of the handle is orientated along the magnetic lines 90 degrees to the station direction. This is achieved by swinging the instrument back and forth until a minimum sound intensity is heard. The quadrature dial is then adjusted until the sound level is further minimized.

The dip angle is then read from the inclinometer and the quadrature from the dial. The north direction was always faced when a reading was taken.

LINECUTTING

Approximately 75 miles of line was cut over the 73 claim property. Picket stations were established at 100 foot intervals along the grid lines. Line spacings were at 400 feet. The baseline was cut at 083 degrees azimuth to parallel the regional trends of the airborne conductive trends. Grid lines were normal to the baseline at 353 degrees azimuth.

DISCUSSION OF RESULTS

Generally speaking all of the geophysical surveys yeidled meaningful information. The magnetometer survey delineated a number of anomalous trends which were probably due to interformational sulphide horizons within a volcanic package. The VLF survey was also successful in defining these magnetic anomalies in terms of their conductivities.

The Proton Magnetometer Survey

The total field survey was extremely useful in outlining a number of magnetic trends which occur on the claim group.

The complexity of these anomalies is evident at a glance. There seems to be a swing in the strike of the lithology in the shape of a backwards "c" from grid north to grid south.

There are a great many magnetic anomalies on the property and these responses are likely due, for the most part, to interformational sulphides within an sequence of volcanic flows.

A listing of the magnetic and electromagnetic anomalies can be found in appendix "B".

The economic signifigance of these magnetic trends can only be evaluated by a geological mapping and sampling program.

The VLF EM-16 Survey

The VLF EM-16 survey was extremely useful in defining the conductivities of the magnetic trends. The only drawback is the topographic noise which inherently affects a high frequency survey such as this. Unfortunatly the property is located over a area where a great deal of these type of anomalies are produced (the Northeastern Arm of

Sturgeon Lake). A list of the major conductive responses can be found in Appendix "B".

CONCLUSIONS AND RECOMMENDATIONS

1) The Proton Magnetometer survey was successful in defining a number of magnetic horizons occuring on the property.

2) It is therefore recommended that a geological mapping and sampling program be conducted over the property in order to determine its economic potential.

Respectfully Submitted

Ian Spence
Geologist

APPENDIX

LIST OF CLAIMS COVERING THIS REPORT

LIST OF CLAIMS COVERED BY THIS REPORT

TB 19538
TB 19537
TB 19536
TB 19535
TB 19534
TB 19533
TB 19532
TB 19531
TB 19530
PA 902109
PA 902110
PA 902111
PA 902116
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PA 902118
PA 902119
PA 902120
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APPENDIX "B"

LIST OF ANOMALIES

ANOMALY	LENGTH FEET	FROM	OF	CONDUCTIVITY	MAG
A	2400	140+00 S 8700 W @	164+00 S 9000 W	GOOD TO	YES
A	1600	96+00 S 8400 W	84+00 S 82+00 W	MODERATE	YES
B	3600+	92+00 S 7100 W	132+00 S 8100 W	MODERATE	FLANKING
C	1200+	116+00 S 6700 W	128+00 S 6300 W	POOR	NO
C	2000+	136+00 S 6800 W	156+00S 6400 W	POOR	NO
D	2000+	156+00 S 7300 W	176+00 W 68 W	GOOD	YES
E	400+	152+00 S 5200 W	156+00 W 5300 W	POOR	NO
E	800+	176+00 S 5300 W	184+00 S 5400 W	POOR	POSSIBLE
F	800+	196+00 S 4600 W	208+00 S 4400 W	WEAK	YES
G	1200+	148+00 S 3500 W	160+00 S 3500 W	POOR	FLANKING
H	1200+	196+00 S 2500 W	208+00 S 2800 W	MODERATE	FLANKING
I	2800+	180+00 S 400 W	208+00 S 100 E	POOR	NO
I1	600	166+00 S 500 W	172+00 S 300 W	WEAK	NO
J & J1	1300+	152+00 S 300 E	164+00 600 E	POOR	NO
K	1100	148+00 S 1100 E	158+00 S 1700 E	MODERATE	FLANKING
L	500	132+00 S 2500 E	136+00 S 2600 E	GOOD	YES
M	400+	124+00 S 1800 E	128+00 S 1900 E	WEAK	NO

N	400 +	60+00 S 900 E	68+00 S 1300 E	MODERATE	POSSIBLE
O	2000	72+00 S 600 W	92+00 S 300 W	POOR	YES
P	<400	88+00 S 200 E		WEAK	FLANKING
Q	<400	88+00 S 1100 W		POOR	NO
R	2400	44+00 S 1300 W	68+00 S 1000 W	POOR	NO
S	<400	92+00 S 600 E		MODERATE	FLANKING
T	<400	92+00 S 1400 E		POOR	FLANKING
U	<400	100+00 S 400 E		POOR	YES
V	<400	104+00 S 400 W		WEAK	NO
W	<400	128+00 S 500 W		MODERATE	YES
X	<400	132+00 S 200 W		MODERATE	FLANKING
Y	400+	120+00 S 300 E	124+00 S 500 E	POOR	MINOR
Z	<400	56+00 S 600 E		POOR	NO
A1	800+	140+00 S 2000 W	148+00 S 1800 W	POOR	POSSIBLE

020

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COUTOUR LAKE PROJECT

ABH WEST GROUP

for

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LIST OF MAPS INCLUDED IN THIS REPORT (1:2500)

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intensity is heard. The quadrature dial is then adjusted until the sound level is further minimized. The dip angle is then read from the inclinometer and the quadrature from the dial. The north direction was always faced when a reading was taken.

LINECUTTING

Approximately 18 miles of line was cut over the 17 claim property. Picket stations were established at 100 foot intervals along the grid lines. Line spacings were at 400 feet. The baseline was cut at 025 degrees azimuth to parallel the regional geological trends. Grid lines were normal to the baseline at 205 degrees azimuth.

DISCUSSION OF RESULTS

The magnetic survey was successful in defining a number of trends which occur over the claim group. All of the magnetic responses are weak to moderate with values being generally between 300 to 1600 gammas above background. Responses such as these would indicate the an assemblage of disseminated to semi-massive sulphides of pyrite and pyrrhotite. The longer trends are likely the result of interformational sulphide bearing horizons within a volcanic package.

The best magnetic response occurs along the west shore of a narrow lake between lines 112+00 South at 3+00 East and line 56+00 South at 5+00 East. The measured strike length of this trend is 6400 feet however it continues off of the grid in both directions. It has spot highs and dipoles along its strike length about 300-1100 gammas above background. The best response along the trend is on line 52+00 South where a reasonably broad 1400 gamma high occurs. A steep dip to the east is indicated at this point.

Another trend occurs approximately 800 feet below the trend described above. This trend has a measured strike length of 4000 feet although it appears to continue off of the grid in both directions. The best response is on line 56+00 South where the trend seems to be converging with the trend above it. It is found between line 92+00 South at 8+00 East and line 56+00 South at 8+50 East. There is a break or discontinuity between lines 60+00 and 68+00 South of the trend which probably represents a break in the mineralization.

Another series of trends occur between line 76+00 South and line 8+00 South between 10+00 West and 16+00 West. The trends in this area are generally between 2400 feet and 3200 feet in length. A number of shorter responses are attendant to these

major trends and seem to cut towards the longer lineations at an angle. This discordant nature of the magnetic horizons may well be the result isoclinal folding.

A arcuate shaped anomaly occurs between lines 44+ØØ South at 6+ØØ West and 28+ØØ South at 4+ØØ West. This anomaly is interesting because of its morphology and shorter strike length. Its response is about 3ØØ to 7ØØ gammas above background and likely due to a disseminated sulphide assemblage.

There are a number of spot one line responses which occur over the grid. These responses are probably due to isolated sulphide lenses of pyrrhotite and pyrite within a volcanic pile.

VLF EM-16 Survey

The best response in terms of conductivity was conductor "F" located between line 4Ø+ØØ South at 12ØØ West . This conductor is of moderate to good conductivity and approximately 4ØØ feet in length. It has correlating magnetic expression of 25Ø gammas and is possibility due to a disseminated sulphide horizon within the volcanics.

Conductor "A" is located between lines 24+ØØ South at 6+ØØ West and 12+ØØ South at 13+ØØ West. The anomaly correlates with a narrow arm of a lake and it is probably due to that topographic feature. The nearest magnetic anomaly of 7ØØ gammas is found of line 12+ØØ South and it is doubtful that there is any correlation between this magnetic response and the VLF anomaly.

Conductor "B" is a weak, 2ØØØ foot anomaly located on line 1ØØ+ØØ South at 22ØØ East and 8Ø+ØØ South at 14ØØ East. The anomaly corresponds with the trough of a narrow lake which would account for the poor conductivies observed along its strike length.

Conductor "C" is another weak conductor located between lines 8Ø+ØØ South at 11+ØØ West and 68+ØØ South at 8+ØØ West. This conductor correlates with a lake shore and it is believed to be the result of a topographic response.

Conductor "D is a weak conductor of 4ØØ feet located between lines 68+ØØ South and 72+ØØ South. This conductor has no magnetic correlation and believed to be the result of a topographic response.

Conductor "E" is a weak conductor between 4ØØ feet and 6ØØ in length. It is located between lines 6Ø+ØØ South and 64+ØØ South. This conductor has a 3ØØ gamma flanking low associated with it and may be due to a weak bedrock response.

Conductor "G" is a two line conductor between 400 feet and 600 in length and weak conductivity. It is located between lines 108+00 South and 112+00 South and has no associated magnetic trend . It is therefore believed that this conductor is due to a topographic feature.

There a a number of one line and isolated responses present on the grid and it is felt that the majority of these conductors are the result of topographic features such as lakeshores ,bogs, etc.

Overall the geophysical surveys were moderately successful in obtaining the goals that they set out to achieve.

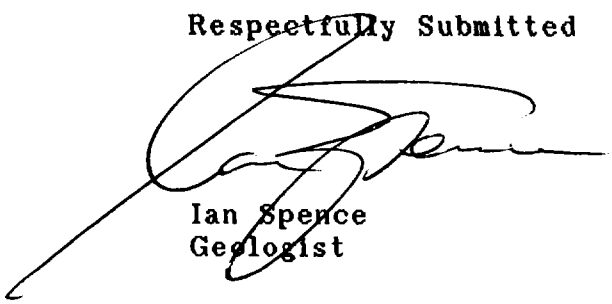
CONCLUSIONS AND RECOMMENDATIONS

1) The magnetometer Survey was the most informative in terms of suggesting the presence structural features such as of folding and/or faulting. It also was successful in delineating a number of magnetic horizons on the property which will serve as a focus for further exploration.

2) The VLF EM-16 survey indicated that the majority of the magnetic horizons displayed very little conductivity. The one conductor of any interest would be conductor "F".

3) It is therefore recommended that a geological and geochemical program be conducted over the property in order to properly assess its economic potential. A more sophisticated geophysical method such as IP would be in order if a follow-up geochemical and geological warranted it.

Respectfully Submitted



Ian Spence
Geologist

APPENDIX

LIST OF CLAIMS COVERING THIS REPORT

LIST OF CLAIMS COVERED BY THIS REPORT

PA 913483
PA 913484
PA 913485
PA 913488
PA 913489
PA 913490
PA 913491
PA 913492
PA 913493
PA 913494
PA 913495
PA 913496
PA 913497
PA 913498
PA 913499
PA 913500
PA 913501

W9803.212

Ministry of Northern Development and Mines
Ontario

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

DOCUI
W88

52J02NE0004 2.11669 BECKINGTON LAKE

900

Garrison
Mining Lands Section

Mining Act

– Do not use shaded areas below.

Type of Survey(s)
GEOPHYSICAL 2.11660

Township or Area
BECKINGTON LAKE G-2532
SQUAW LAKE G-3140

Claim Holder(s)
VILLENEUVE RESOURCES LTD.

Prospector's Licence No.
T5023

Address
188 PERREAULT AVENUE VAL D'OR QUEBEC J9P 2H5

Survey Company
VILLENEUVE RESOURCES LTD.

Date of Survey (from & to)
05 02 88 (Day Mo. Yr.) | 09 04 88 (Day Mo. Yr.)

Total Miles of line Cut
87 miles

Name and Address of Author (of Geo-Technical report)
DAVID GLIDDON 603-199 ACADEMY DR. THUNDER BAY, ONT P7B 5W2

Credits Requested per Each Claim in Columns at right

Special Provisions		Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	Geophysical - Electromagnetic	40
	- Magnetometer	20
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other	
	Geological	
	Geochemical	

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

RECEIVED
SEP 9 1988
MINING LANDS SECTION

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures $ ÷ 15 = Total Days Credits

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

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.	Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.

See attached list

"VILLENEUVE PROPERTY" ABH CLAIM LIST

RECEIVED
SEP - 1 1988
PATRICIA MINING DIVISION

Total number of mining claims covered by this report of work. 86 82

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
4920	Sept. 1, 1988	
	Date Approved as Recorded	Branch Director
	See Revised Statement.	

Date	Recorded Holder or Agent (Signature)
AUGUST 23/88	David Gliddon

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
DAVID GLIDDON 603-199 ACADEMY DRIVE
THUNDER BAY, ONT. P7B 5W2

Date Certified	Certified by (Signature)
August 23/88	David Gliddon

1262 (05/12)

08/29/88 VILLENEUVE ABH PROPERTY - CLAIM LIST Page 1

PROJ NAME	OWNER	TOWNSHIP	TAG NO
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE PA	902109
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE PA	902110
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE PA	902111
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE PA	902116
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE PA	902117
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE PA	902118
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE PA	902119
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ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE PA	911619
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE PA	911620

~~EXPIRED~~ DAYS CREDIT

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PROJ NAME	OWNER	TOWNSHIP	TAG NO
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE PA	911621
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE PA	911622
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE PA	911623
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE PA	911624
~~ABH~~	~~VILLENEUVE RESOURCES~~	~~BECKINGTON LAKE PA~~	~~911625~~
~~ABH~~	~~VILLENEUVE RESOURCES~~	~~BECKINGTON LAKE PA~~	~~911626~~
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE PA	911627
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE PA	911628
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE PA	911629
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE PA	911630
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE PA	911631
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE PA	911632
~~ABH~~	~~VILLENEUVE RESOURCES~~	~~BECKINGTON LAKE PA~~	~~911678~~
~~ABH~~	~~VILLENEUVE RESOURCES~~	~~BECKINGTON LAKE PA~~	~~911679~~
ABH	VILLENEUVE RESOURCES	SQUAW LAKE PA	913483
ABH	VILLENEUVE RESOURCES	SQUAW LAKE PA	913484
ABH	VILLENEUVE RESOURCES	SQUAW LAKE PA	913485
ABH	VILLENEUVE RESOURCES	SQUAW LAKE PA	913486
ABH	VILLENEUVE RESOURCES	SQUAW LAKE PA	913487
ABH	VILLENEUVE RESOURCES	SQUAW LAKE PA	913488
ABH	VILLENEUVE RESOURCES	SQUAW LAKE PA	913489
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE PA	913490
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE PA	913491
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE PA	913492
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE PA	913493
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE PA	913494
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE PA	913495
ABH	VILLENEUVE RESOURCES	BECKINGTON LAKE PA	913496
ABH	VILLENEUVE RESOURCES	SQUAW LAKE PA	913497
ABH	VILLENEUVE RESOURCES	SQUAW LAKE PA	913498
ABH	VILLENEUVE RESOURCES	SQUAW LAKE PA	913499
ABH	VILLENEUVE RESOURCES	SQUAW LAKE PA	913500
ABH	VILLENEUVE RESOURCES	SQUAW LAKE PA	913501

~~TAG~~ DAYS CREDIT

60

Ministry of Northern Development and Mines
Ontario

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

DOCUMENT NO. W8803.235

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.

Mining Lands

Mining Act 2.11669

Type of Survey(s): GEOPHYSICAL

Township or Area: BECKINGTON LAKE (G-2532)

Claim Holder(s): VILLENEUVE RESOURCES INC.

Prospector's Licence No.: T 5023

Address: 188 PERREAULT, VAL D'OR, QUEBEC J9P 2H5

Survey Company: VILLENEUVE RESOURCES INC.

Date of Survey (from & to): 05 02 88 (Day Mo. Yr.) – 07 04 88 (Day Mo. Yr.)

Total Miles of line Cut: 87 miles

Name and Address of Author (of Geo-Technical report): DAVE GLIDDON 603-199 ACADEMY DR., THUNDER BAY, ONT. P7B 5W2

Credits Requested per Each Claim in Columns at right

Special Provisions		Days per Claim
For first survey: Enter 40 days. (This includes line cutting)	Geophysical - Electromagnetic	40
	- Magnetometer	20
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other	
ref: W8803-212	Geological	
	Geochemical	

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

Airborne Credits		Days per Claim
Note: Special provisions credits do not apply to Airborne Surveys.	Electromagnetic	
	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
PA	911625	
	911626	
	911678	
	911679	

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.

RECEIVED
OCT 14 1988
MINING LANDS SECTION

RECEIVED
OCT - 7 1988
PATRICIA MINING DIVISION

Total number of mining claims covered by this report of work: 4

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

Calculation of Expenditure Days Credits

Total Expenditures: $ ÷ 15 = Total Days Credits

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

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
240	OCT. 7, 1988	
	Date Approved as Recorded	Branch Director
		Statement

Date: Oct. 3, 1988

Recorded Holder or Agent (Signature): Zoran Madon

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: ZORAN MADON 188 PERREAULT VAL D'OR, QUEBEC J9P 2H5

Date Certified: Oct 3, 1988

Certified by (Signature): Zoran Madon.

1362 (85/12)

Ontario

Ministry of
Northern Development
and Mines

Ministère du
Développement du Nord
et des Mines

Mining Lands Section
3rd floor, 880 Bay Street
Toronto, Ontario
M5S 1Z8

Telephone: (416) 965-4888

December 9, 1988

Your file: W8803-212 &
W8803-235
Our file: 2.11669

Mining Recorder
Ministry of Northern Development and Mines
Court House
P.O. Box 3000
Sioux Lookout, Ontario
P0V 2T0

Dear Madam:

Re: Revised Notice of Intent dated November 21, 1988
Geophysical (Electromagnetic & Magnetometer) Survey submitted on
Mining Claims Pa 902109 et al in Beckington Lake and Squaw Lake Areas

The assessment work credits, as listed with the above-mentioned Notice of Intent, have been approved as of the above date.

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

Yours sincerely,

W.R. Cowan
Provincial Manager, Mining Lands
Mines & Minerals Division

SH:pl
Enclosure

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

Resident Geologist
Sioux Lookout, Ontario

Villeneuve Resources Ltd.
188 Perreault Avenue
Val d'Or, Quebec
J9P 2H5

Mr. David Gliddon
Suite 603
199 Academy Drive
Thunder Bay, Ontario
P7B 5W2

Ministry of Northern Development and Mines
Ontario

Technical Assessment Work Credits

File: 2.11669

Date: November 21, 1988

Mining Recorder's Report of Work No.: W8803-212

"REVISED"

Recorded Holder: Villeneuve Resources Ltd.

Township or Area: Beckington Lake and Squaw Lake Areas

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	
Electromagnetic 40 days	Pa 902109 to 111 inclusive
Magnetometer 20 days	902116 to 128 inclusive
Radiometric ____ days	902130 to 132 inclusive
Induced polarization ____ days	902134 to 154 inclusive
Other ____ days	911541
Section 77 (19) See "Mining Claims Assessed" column	911546 to 548 inclusive
Geological ____ days	911551 to 554 inclusive
Geochemical ____ days	911619 to 624 inclusive
Man days ☐ Airborne ☐	911627 to 632 inclusive
Special provision ☒ Ground ☒	913483-85
☐ Credits have been reduced because of partial coverage of claims.	913490 to 493 inclusive
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	913495 to 501 inclusive

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

20 days Electromagnetic 10 days Magnetometer	10 days Electromagnetic 5 days Magnetometer
Pa 902129-33 913484-89-94	Pa 911618 913488

No credits have been allowed for the following mining claims

☐ not sufficiently covered by the survey ☒ insufficient technical data filed

Pa 913486-87

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geologocal - 40; Geochemical - 40; Section 77(19) - 60.

828 (85/12)

Ministry of Northern Development and Mines
Ontario

Technical Assessment Work Credits

File: 2.11669

Date: November 21, 1988

Mining Recorder's Report of Work No.: W8803-235

Recorded Holder: Villeneuve Resources Inc.

Township or Area: Beckington Lake Area

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	
Electromagnetic 32 days	Pa 911678-79
Magnetometer 16 days	
Radiometric ____ days	
Induced polarization ____ days	
Other ____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological ____ days	
Geochemical ____ days	
Man days ☐ Airborne ☐	
Special provision ☒ Ground ☒	
☒ Credits have been reduced because of partial coverage of claims.	
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

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

No credits have been allowed for the following mining claims

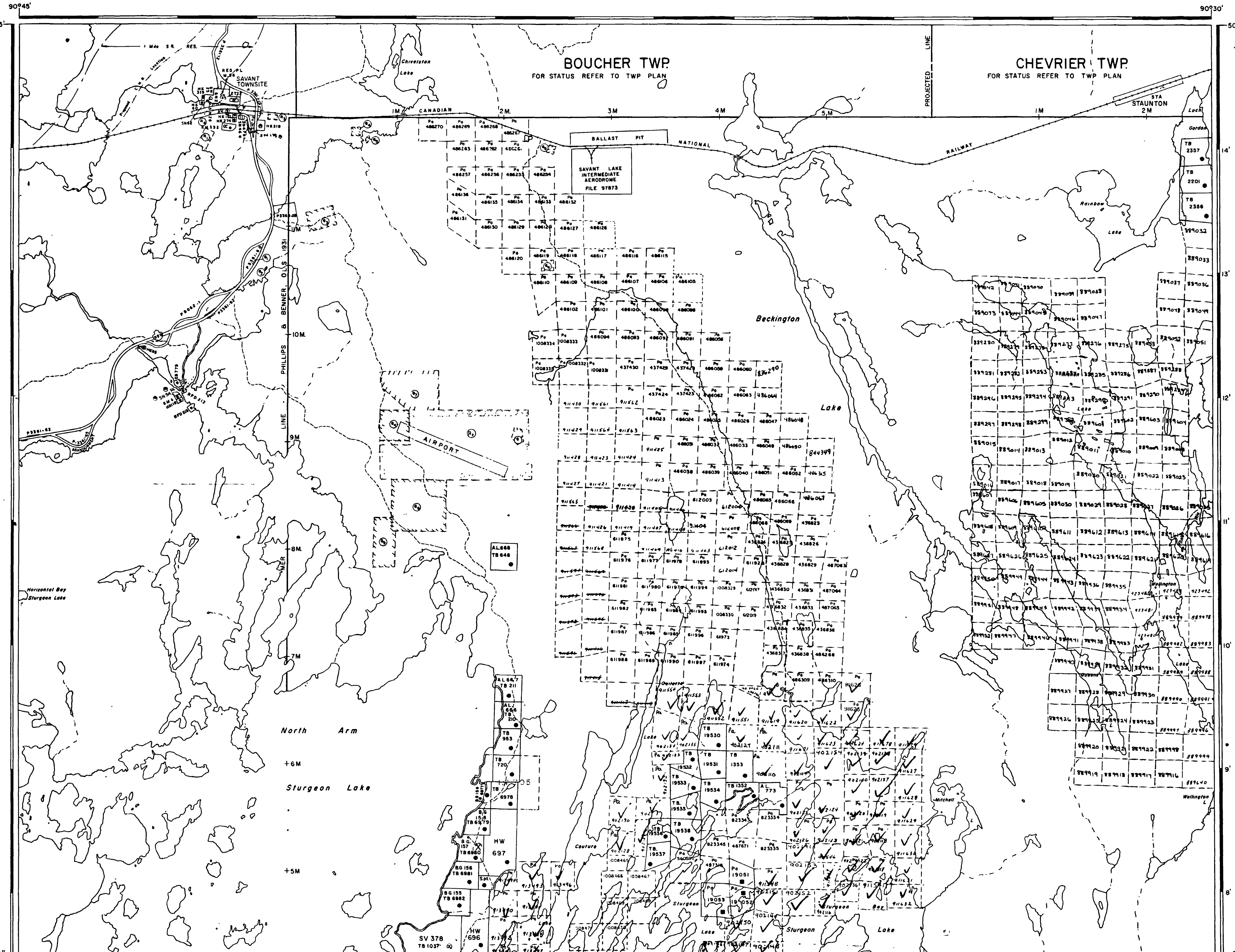
☐ not sufficiently covered by the survey ☒ insufficient technical data filed

Pa 911625-26

The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geologocal - 40; Geochemical - 40; Section 77(19) - 60.

828 (85/12)

Evans Lake Area - G-2031



Barnard Lake Area G-2531

Fog Lake & Manion Twp. G-2542

Squaw Lake Area - G-3110

90°45' 90°30' 50°15' 50°07'30"

43' 42' 41' 40' 39' 38' 37' 36' 35' 34' 33' 32' 31'

52J02NE0004 2.11689 BECKINGTON LAKE

200

502903

HIGHWAY AND ROUTE No.
OTHER ROADS
TRAILS
SURVEYED LINES
TOWNSHIPS, BASE LINES, ETC.
LOTS, MINING CLAIMS, PARCELS, ETC.
UNSURVEYED LINES
LOT LINES
PARCEL BOUNDARY
MINING CLAIMS ETC
RAILWAY AND RIGHT OF WAY
UTILITY LINES
NON-PERENNIAL STREAM
FLOODING OR FLOODING RIGHTS
SUBDIVISION OR COMPOSITE PLAN
RESERVATIONS
ORIGINAL SHORELINE
MARSH OR MUSKEG
MINES
TRAVERSE MONUMENT

DISPOSITION OF CROWN LANDS

TYPE OF DOCUMENT	SYMBOL
PATENT, SURFACE & MINING RIGHTS	●
" , SURFACE RIGHTS ONLY	
" , MINING RIGHTS ONLY	
LEASE, SURFACE & MINING RIGHTS	■
" , SURFACE RIGHTS ONLY	
" , MINING RIGHTS ONLY	
LICENCE OF OCCUPATION	▼
ORDER-IN-COUNCIL	OC
RESERVATION	
CANCELLED	
SAND & GRAVEL	

NOTE: MINING RIGHTS IN PARCELS PATENTED PRIOR TO MAY 6, 1913, VESTED IN ORIGINAL PATENTEE BY THE PUBLIC LANDS ACT R.S.O. 1970 CHAP. 380, SEC. 63, SUBSEC. 1

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. – MINING RIGHTS ONLY
S.R.O. – SURFACE RIGHTS ONLY
M.+ S. – MINING AND SURFACE RIGHTS

	Description	Order No.	Date	Disposition	File
R1	RESERVED FOR PUBLIC USE			S.R.O.	
R2	SEC. 43/70		18/10/71	S.R.O.	143788
R3	SEC. 43/70	W36/74	27/6/74	S.R.O.	143788
R4	SEC. 43/70	W28/76	8/6/74	S.R.O.	[illegible]

SAND AND GRAVEL

G1	M.T.C. GRAVEL PIT Nº 636
G2	" " " Nº 637
G3	GRAVEL FILE 183533
G4	" " 143788
G5	M.T.C. GRAVEL PIT Nº 635
G6	" " " Nº 1646
G7	" " " Nº 1430, FILE 143788
G8	GRAVEL FILE 160704
G9	M.T.C. GRAVEL PIT Nº IC-14 FILE 143788
Q	QUARRY PERMIT

One mile wide C.N.R. reserve - Surface Rights withdrawn under Sec. 43 of the Mining Act (R.S.O. 1970) FILE 168405

SCALE: 1 INCH = 40 CHAINS

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

RECEIVED OCT - 6 1988 PATRICIA MINING DIVISION

AREA

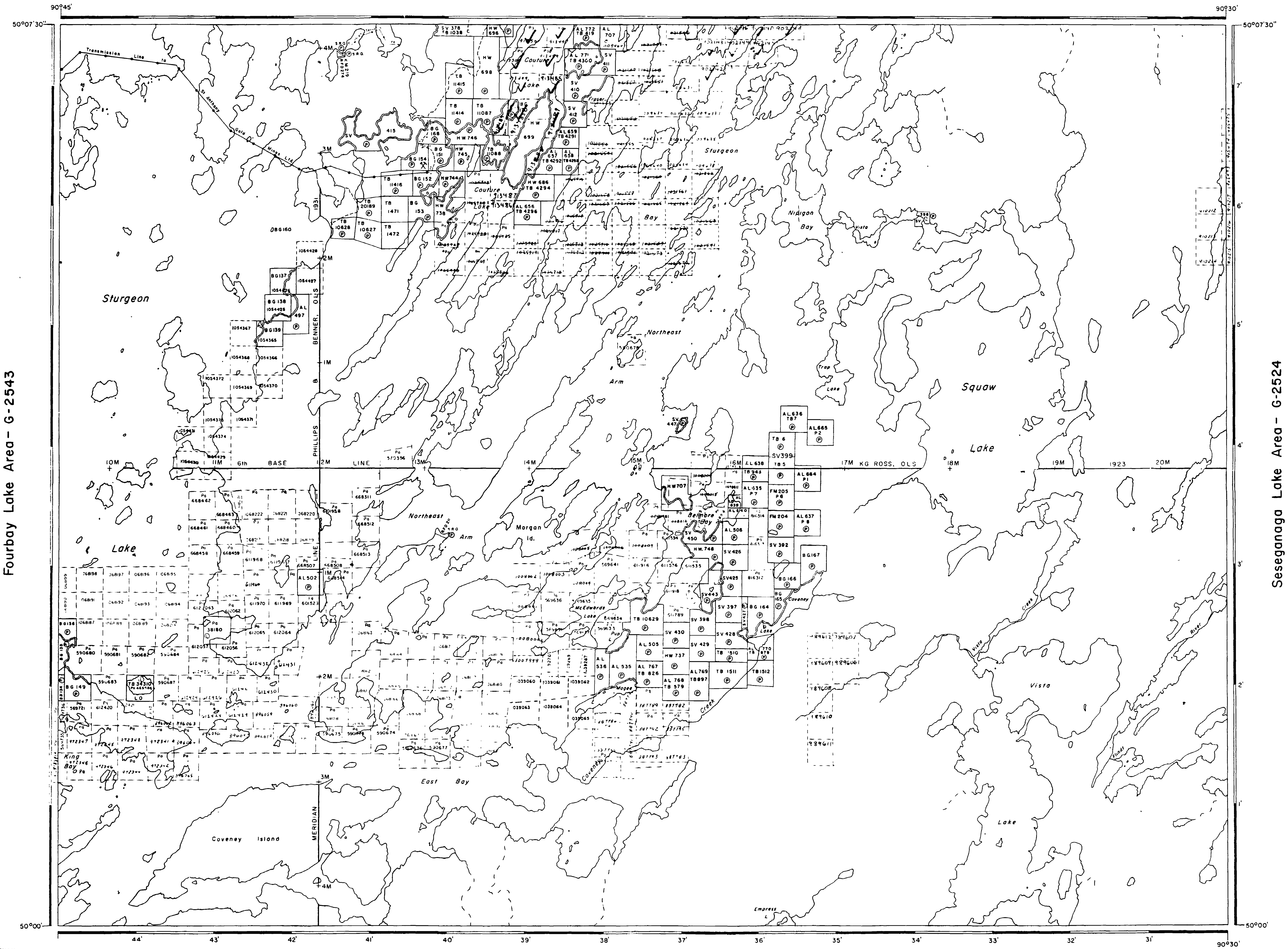
BECKINGTON LAKE

M.N.R. ADMINISTRATIVE DISTRICT
IGNACE
MINING DIVISION
PATRICIA
LAND TITLES / REGISTRY DIVISION
THUNDER BAY

Ontario Ministry of Natural Resources — Land Management Branch

Date FEBRUARY, 1984 — Number G-2532

Beckington Lake Area G-2532



Fourbay Lake Area - G-2543

Seseganaga Lake Area - G-2524

Quest Lake Area - G-2556

LEGEND

PATENTED LAND	Ⓟ
CROWN LAND SALE	C.S.
LEASES	Ⓛ
LOCATED LAND	Loc.
LICENSE OF OCCUPATION	L.O.
MINING RIGHTS ONLY	M.R.O.
SURFACE RIGHTS ONLY	S.R.O
ROADS	
IMPROVED ROADS	
KING'S HIGHWAYS	
RAILWAYS	
POWER LINES	
MARSH OR MUSKEG	
MINES	
CANCELLED	C.

REFERENCES

AREAS WITHDRAWN FROM DISPOSITION

M.R.O. - MINING RIGHTS ONLY

S.R.O. - SURFACE RIGHTS ONLY

M.+S. - MINING AND SURFACE RIGHTS

Description	Order No.	Date	Disposition	File

AREA

SQUAW LAKE

M N R ADMINISTRATIVE DISTRICT

IGNACE

MINING DIVISION

PATRICIA

LAND TITLES / REGISTRY DIVISION

THUNDER BAY

Ministry of Natural Resources — Land Management Branch

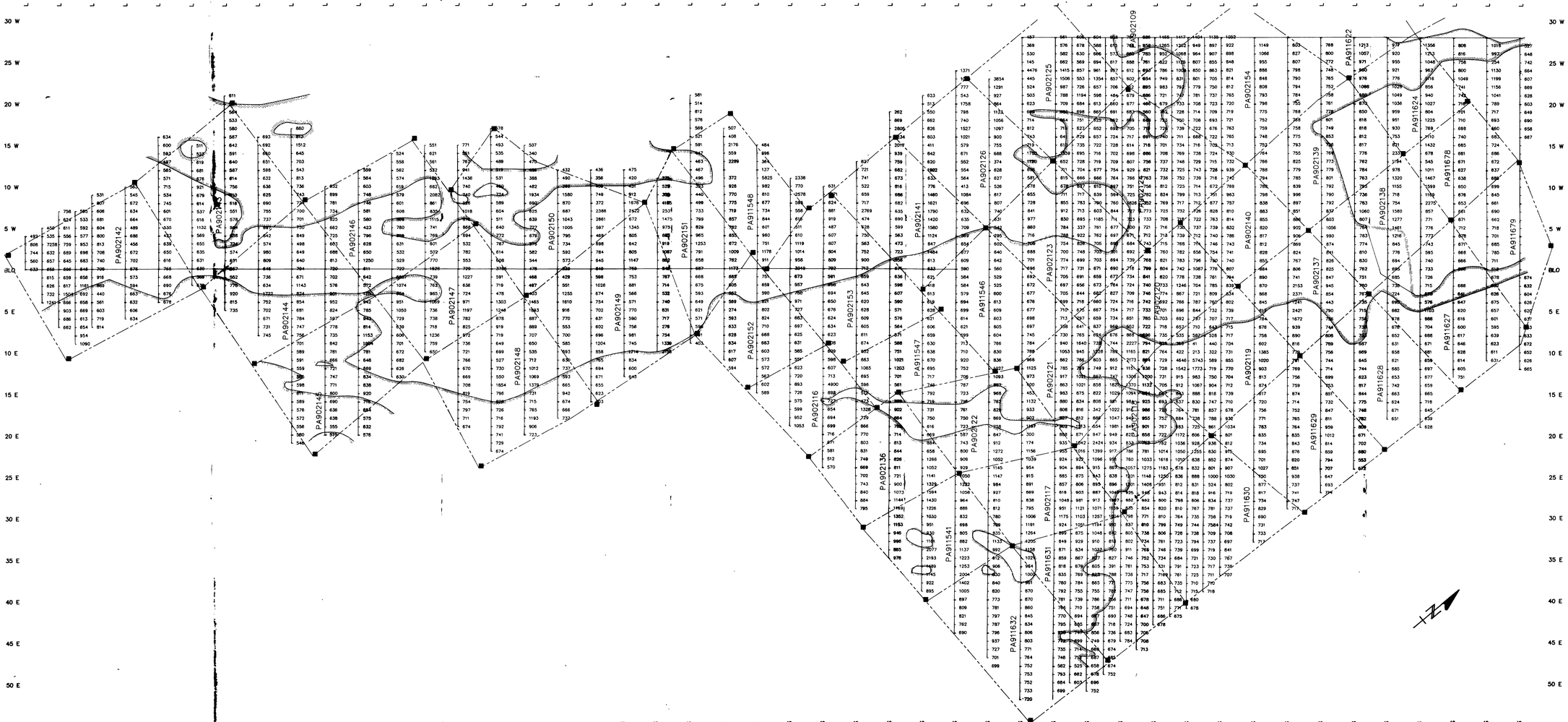
Ontario

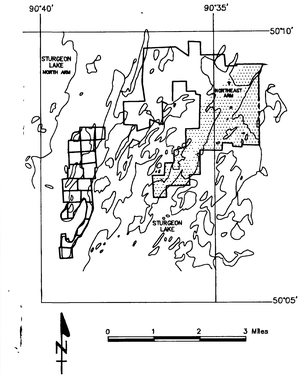
Date FEBRUARY, 1984

Number G-3140

210

501903





LEGEND

TOPOGRAPHY

- CLAIM POST
- RIVER
- STREAM
- SWAMP & BOUNDARY
- LAKE SHORE
- HIGHWAY 580
- BUSH ROAD
- BEAVER DAM

MAGNETOMETER SURVEY

INSTRUMENT: SCINTREX MP-2
DATUM: 60,000 GAMMAS
SENSITIVITY: 1 GAMMA
CONTOUR INTERVAL: 200 GAMMAS
MAGNETIC LOW: C

BASE STATION RECORDER

INSTRUMENT: SCINTREX MBS-2
RECORDING INTERVAL: 20 SECONDS

2.11669

0 400' 800' 1200' 1600' 2000'

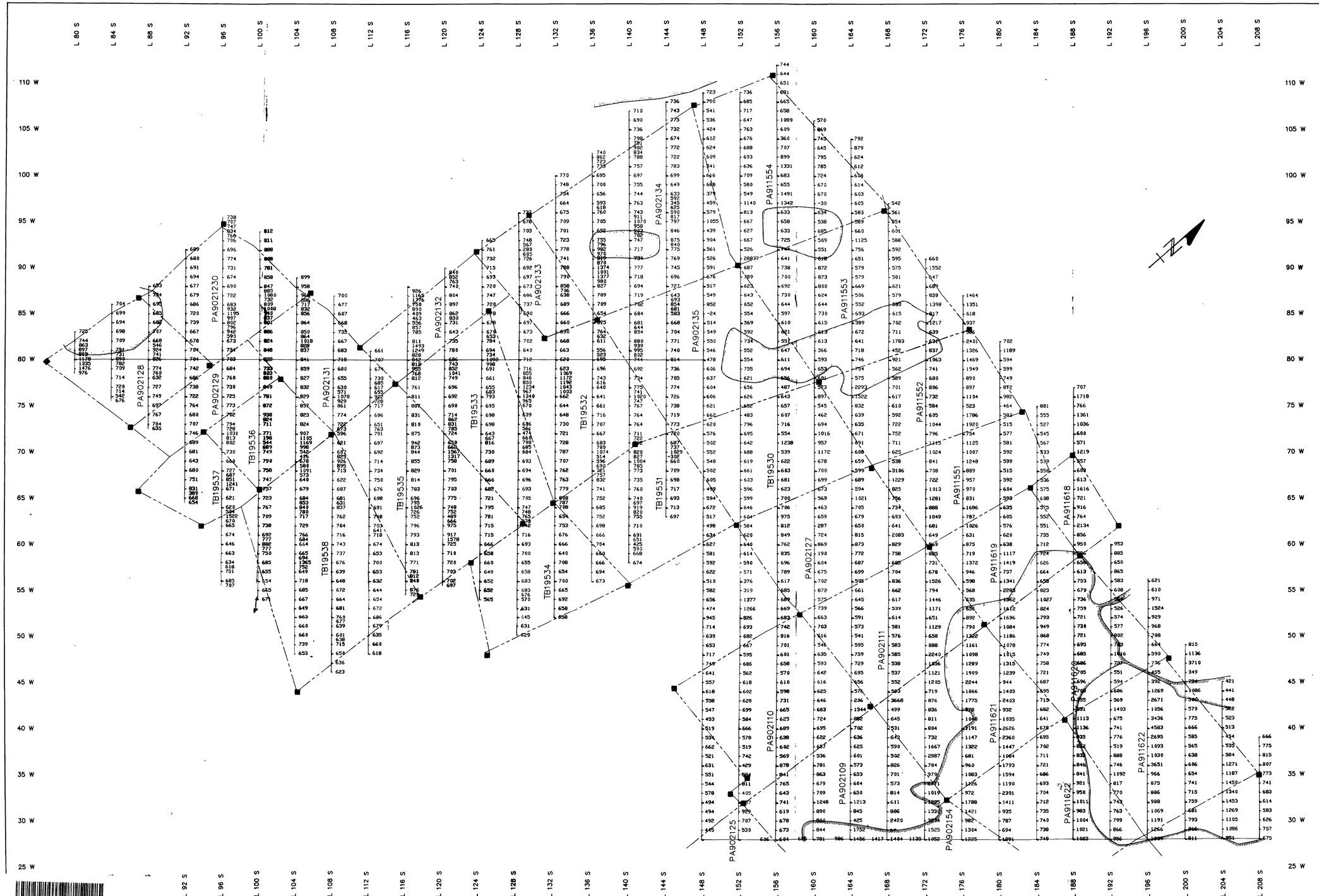
VILLENEUVE RESOURCES

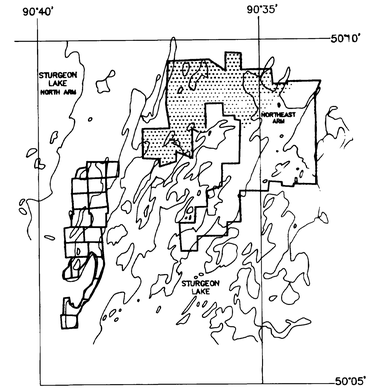
ABH EAST GROUP

PROTON MAGNETOMETER READINGS

TWP/AREA: BECKINGTON LAKE AREA		PROV.: ONTARIO	
MINING DIVISION: SIOUX LOOKOUT		PROP.: ABH CLAIMS	
MAP REFERENCE No.: G-2532		NTS No.: 52-J-2	
DRAWN BY:	DRAFTED:	CHECKED:	
SCALE: 1"=400'	DATE: JULY 1988	SHEET: of	

PHANTOM EXPLORATION SERVICES LTD.





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INSTRUMENT: SCINTREX MBS-2
RECORDING INTERVAL: 20 SECONDS

2.11669

0 400' 800' 1200' 1600' 2000'

VILLENEUVE RESOURCES
ABH EAST GROUP

PROTON MAGNETOMETER
READINGS

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MINING DIVISION: SIOUX LOOKOUT		PROJ.: ABH CLAIMS
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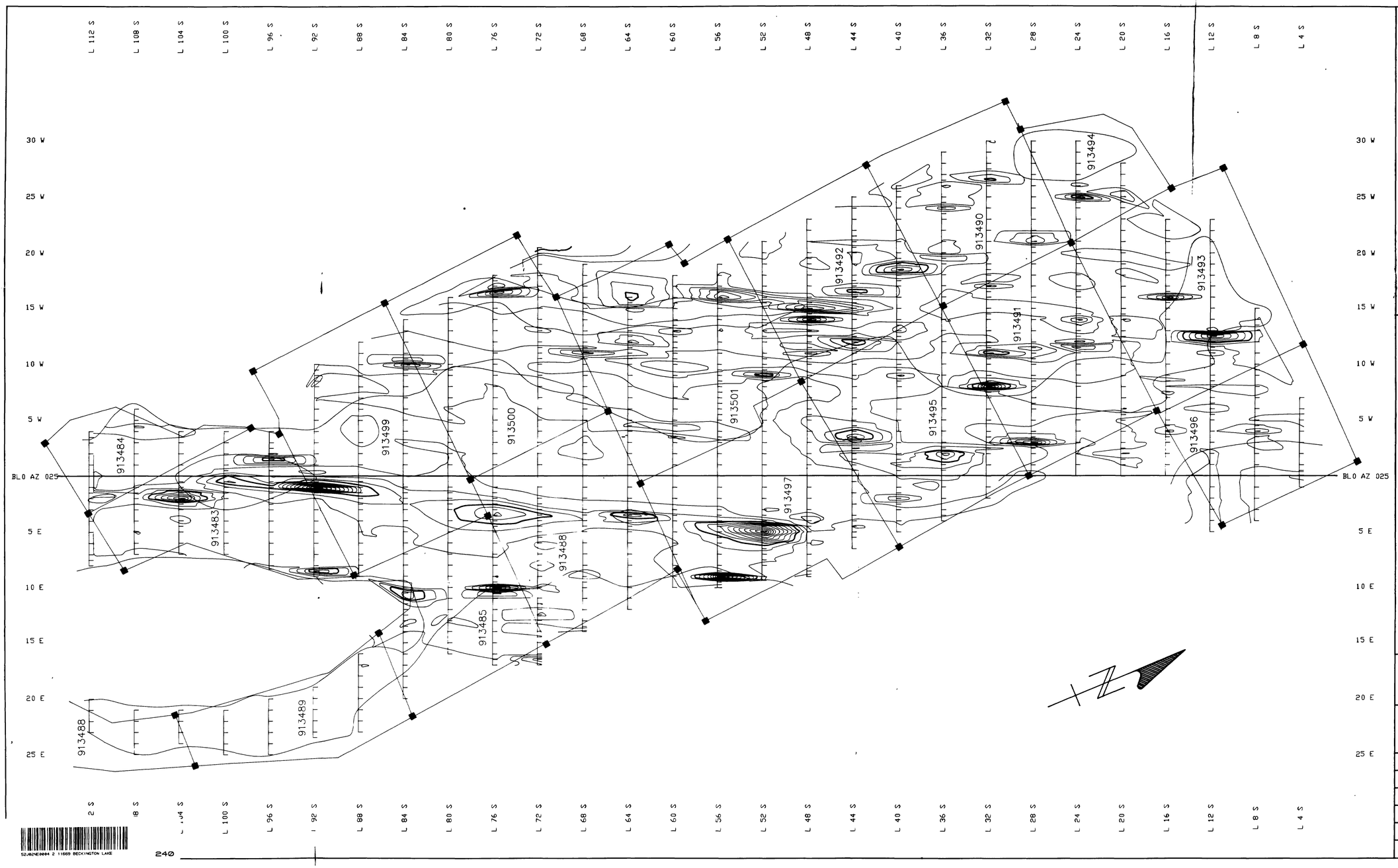

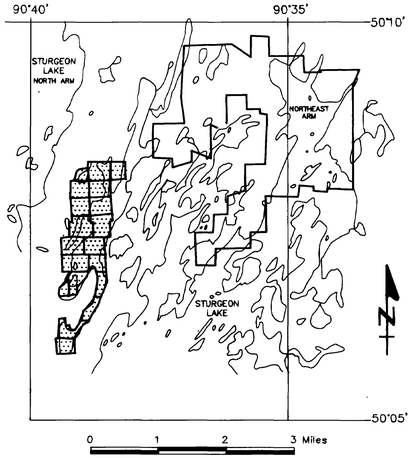

LEGEND

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INSTRUMENT: SCINTREX MP-2
DATUM: 60,000
SENSITIVITY: 1 GAMMA
CONTOUR INTERVAL: 200 GAMMAS
MAGNETIC LOW:

BASE STATION RECORDER

INSTRUMENT: SCINTREX MBS-2
RECORDING INTERVAL: 20 SECONDS

0 400' 800' 1200' 1600' 2000'

VILLENEUVE RESOURCES

ABH WEST GROUP 2.1166

PROTON MAGNETOMETER

CONTOURED READINGS

TWP/AREA: BECKINGTON LAKE AREA		PROV.: ONTARIO
MINING DIVISION: SIOUX LOOKOUT		PROJ.: ABH CLAIMS
MAP REFERENCE No.: G-2532		NTS No.: 52-J-2
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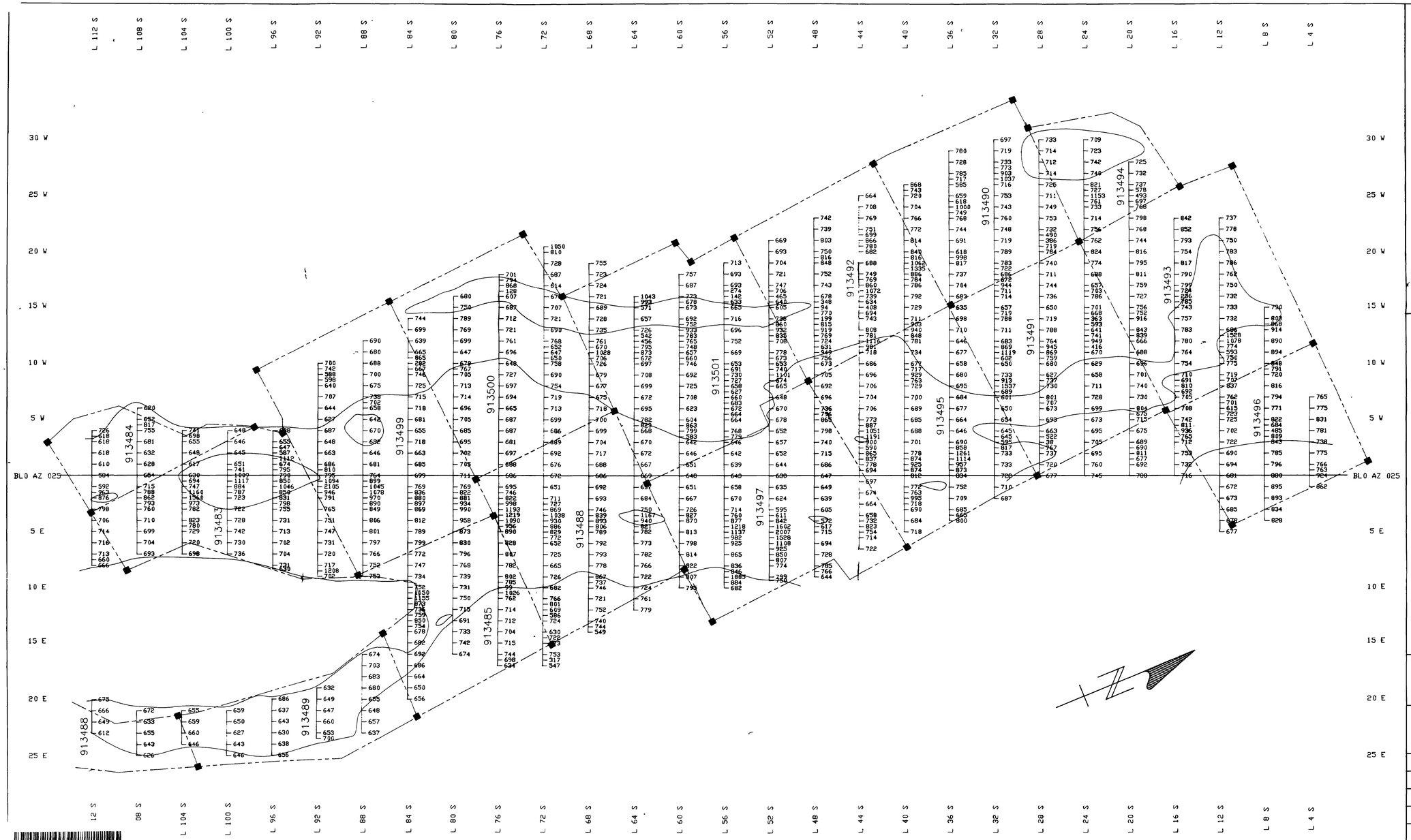
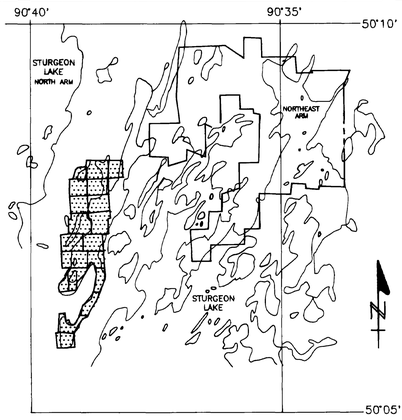
SCALE: 1"=400'	DATE: JULY 1988	SHEET: of

PHANTOM EXPLORATION SERVICES LTD





LEGEND

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INSTRUMENT: SCINTREX MP-2
DATUM: 60,000
SENSITIVITY: 1 GAMMA
CONTOUR INTERVAL: 200 GAMMAS
MAGNETIC LOW:

BASE STATION RECORDER

INSTRUMENT: SCINTREX MBS-2
RECORDING INTERVAL: 20 SECONDS

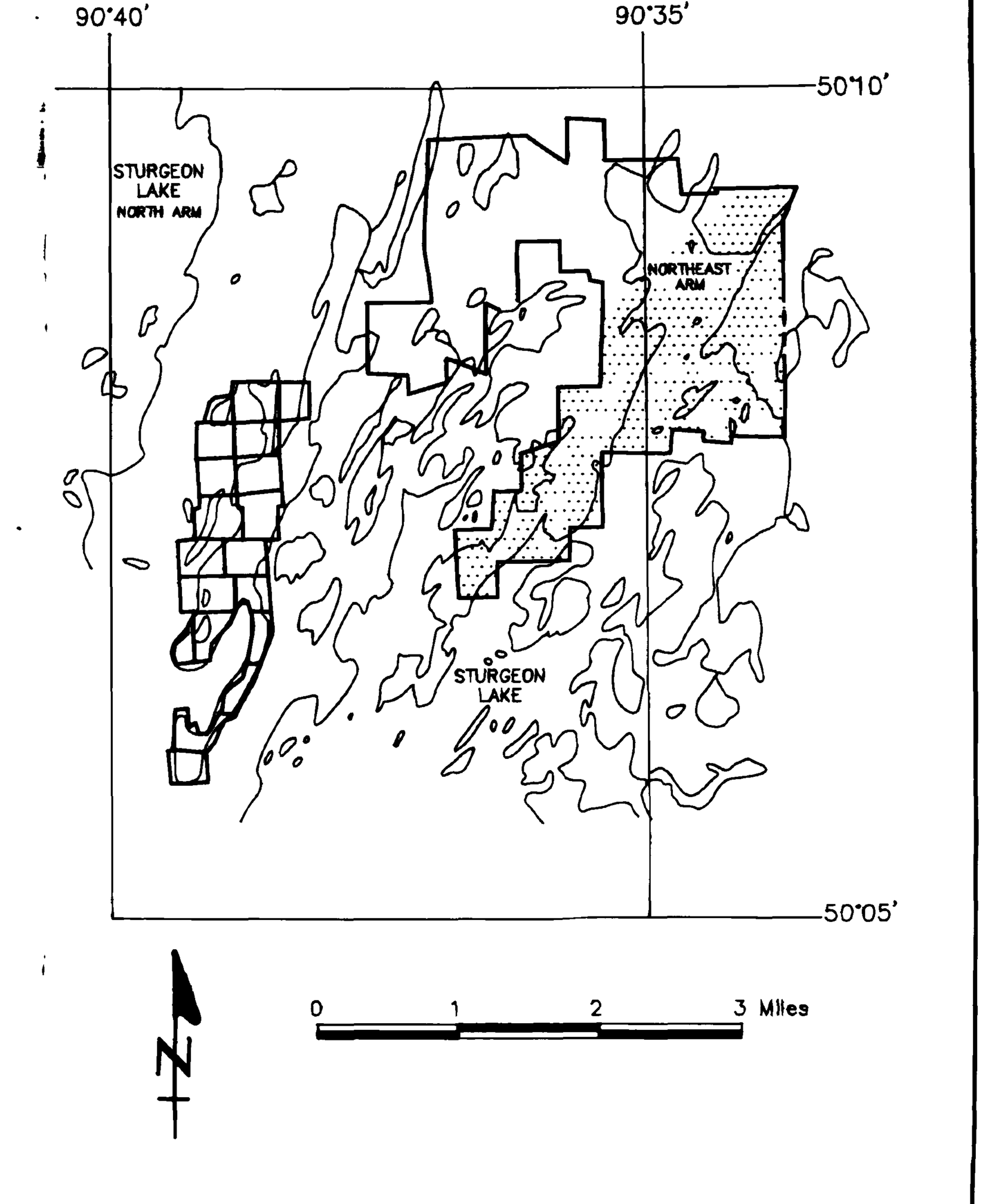
0 400' 800' 1200' 1600' 2000'

VILLENEUVE RESOURCES
ABH WEST GROUP 2.11669

PROTON MAGNETOMETER READINGS

TWP/AREA: BECKINGTON LAKE AREA		PROV.: ONTARIO
MINING DIVISION: SIOUX LOOKOUT		PROJ.: ABH CLAIMS
MAP REFERENCE No.: G-2532		NTS No.: 52-J-2
DRAWN BY:	DRAFTED:	CHECKED:
SCALE: 1"=400'	DATE: JULY 1988	SHEET: of

PHANTOM EXPLORATION SERVICES LTD.



LEGEND

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INSTRUMENT: SCINTREX MP-2
DATUM: 60,000 GAMMAS
SENSITIVITY: 1 GAMMA
CONTOUR INTERVAL: 200 GAMMAS
MAGNETIC LOW:

BASE STATION RECORDER

INSTRUMENT: SCINTREX MBS-2
RECORDING INTERVAL: 20 SECONDS

2.11639

0 400' 800' 1200' 1600' 2000'

VILLENEUVE RESOURCES

ABH EAST GROUP

PROTON MAGNETOMETER
CONTOURED READINGS

TWP/AREA: BECKINGTON LAKE AREA		PROV.: ONTARIO
MINING DIVISION: SIOUX LOOKOUT		PROJ.: ABH CLAIMS
MAP REFERENCE No.: C-2532		NTS No.: 52-J-2
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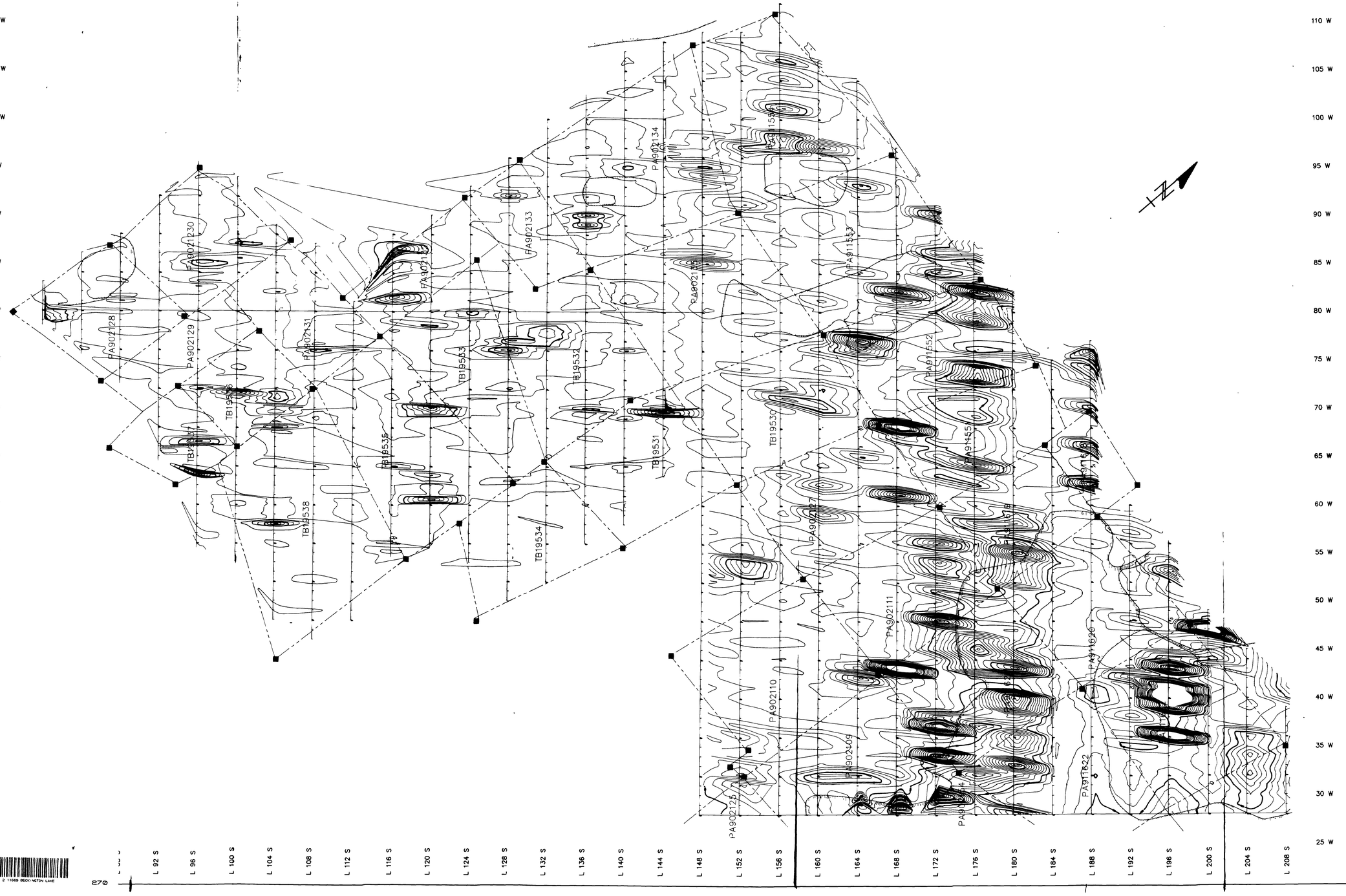
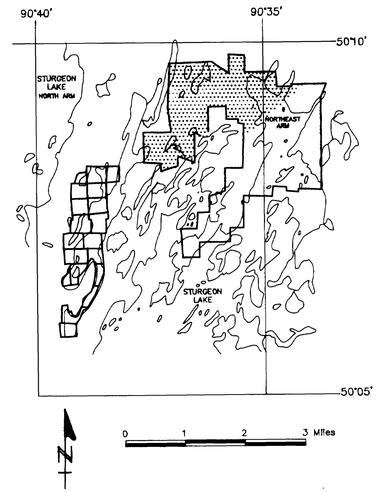
SCALE: 1"=400'	DATE: JULY 1988	SHEET: of

PHANTOM EXPLORATION SERVICES LTD.





LEGEND

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CLAIM POST
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INSTRUMENT: SCINTREX MP-2
DATUM: 60,000 GAMMAS
SENSITIVITY: 1 GAMMA
CONTOUR INTERVAL: 200 GAMMAS
MAGNETIC LOW:

BASE STATION RECORDER
INSTRUMENT: SCINTREX MBS-2
RECORDING INTERVAL: 20 SECONDS

2.11559

0 400' 800' 1200' 1600' 2000'

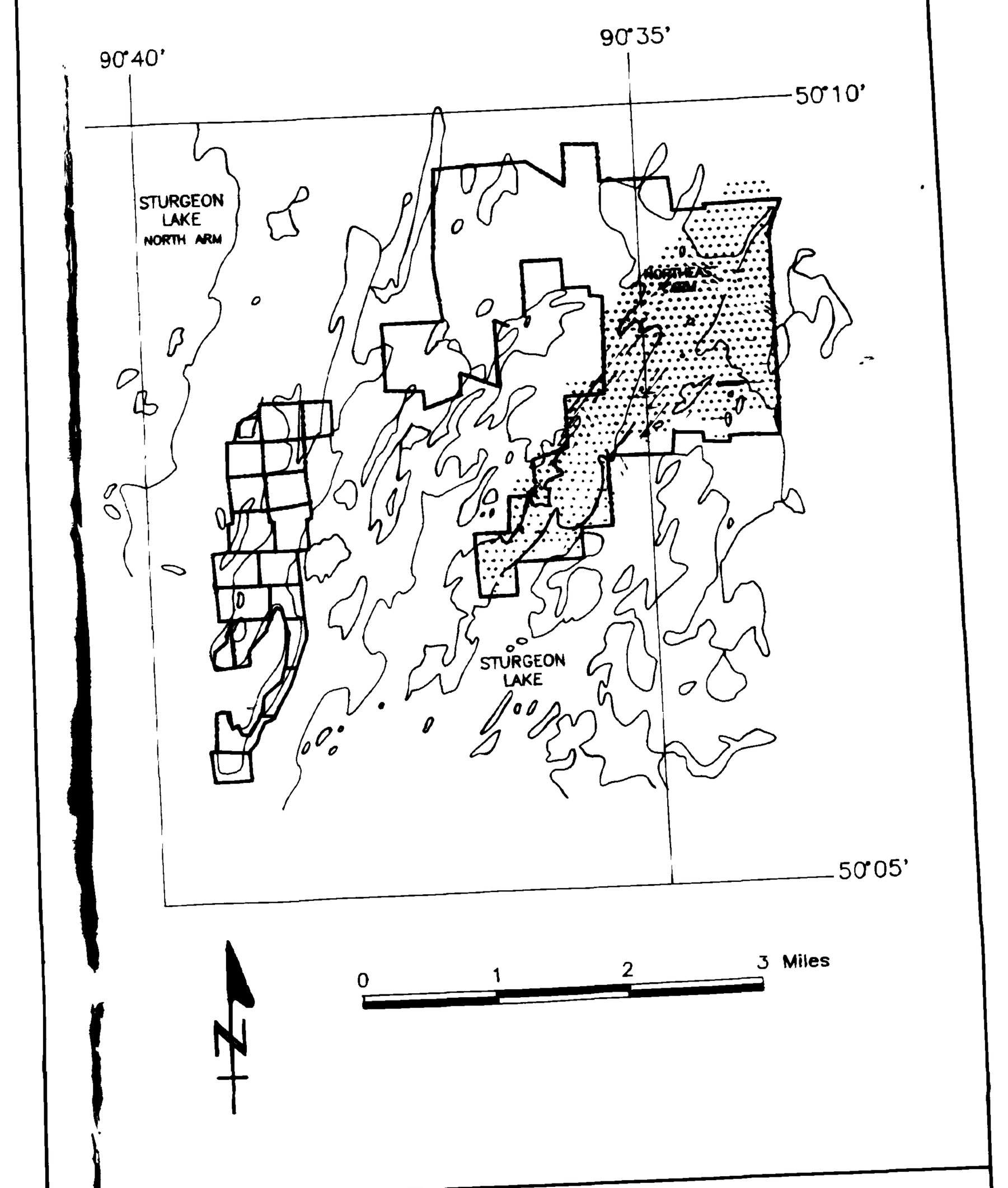
VILLENEUVE RESOURCES

ABH EAST GROUP

PROTON MAGNETOMETER CONTOURED READINGS

TWP/AREA: BECKINGTON LAKE AREA		PROV.: ONTARIO
MINING DIVISION: SIOUX LOOKOUT		PROJ.: ABH CLAIMS
MAP REFERENCE No.: G-2532		NTS No.: 52-J-2
DRAWN BY:	DRAFTED:	CHECKED:
SCALE: 1"=400'	DATE: JULY 1988	SHEET: of

PHANTOM EXPLORATION SERVICES LTD.



LEGEND

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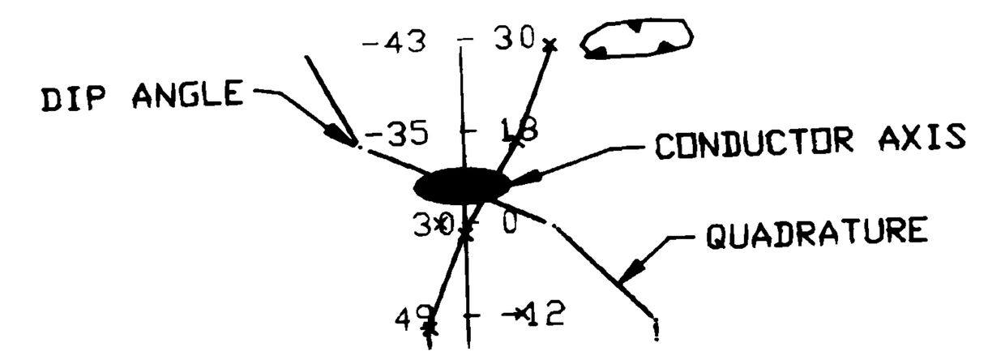
- LAKE SHORE
- HIGHWAY 580
- BUSH ROAD

INSTRUMENT: GEONICS VLF EM-16
TRANSMITTER STATION: CUTLER, MAINE
PROFILE SCALE: 1" = 400 UNITS
OPERATOR FACING NORTH
FRASER FILTER CONTOUR INTERVAL:
CONDUTOR AXIS (BEDROCK)
CONDUTOR AXIS (TOPOGRAPHIC)



2.11669

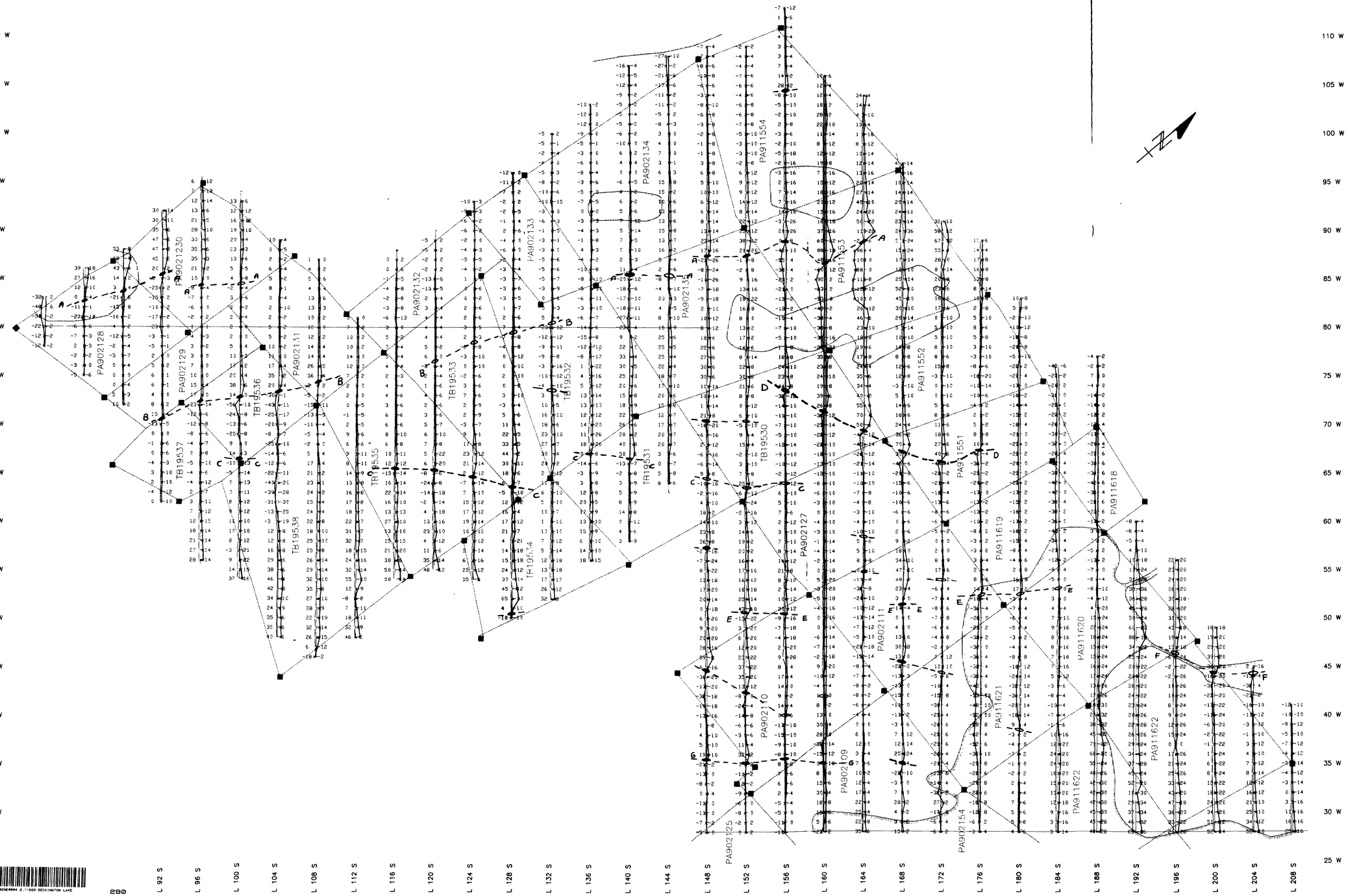
0 400' 800' 1200' 1600' 2000'

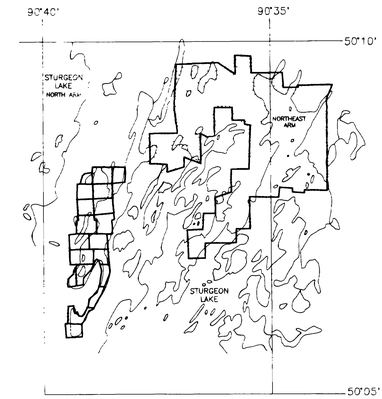
VILLENEUVE RESOURCES
ABH EAST GROUP

VLF-EM-16 SURVEY
PROFILES

TWP/AREA: BECKINGTON LAKE AREA		PROV.: ONTARIO
MINING DIVISION: SIOUX LOOKOUT		PROJ.: ABH CLAIMS
MAP REFERENCE No.: G-2532		NTS No.: 52-J-2
DRAWN BY:	DRAFTED:	CHECKED:
SCALE: 1" = 400'	DATE: JULY 1988	SHEET: of

PHANTOM EXPLORATION SERVICES LTD

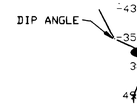




LEGEND

TOPOGRAPHY
CLAIM POST
RIVER
STREAM
SWAMP & BOUNDARY
LAKE SHORE
HIGHWAY 580
BUSH ROAD

INSTRUMENT: GEONICS VLF EM-16
TRANSMITTER STATION: CUTLER, MAINE
PROFILE SCALE: 1" = 100 UNITS
OPERATOR FACING NORTH
FRASER FILTER CONTOUR INTERVAL:
CONDUCTOR AXIS (BEDROCK)
CONDUCTOR AXIS (TOPOGRAPHIC)



2.11669

0 400' 800' 1200' 1600' 2000'

VILLENEUVE RESOURCES

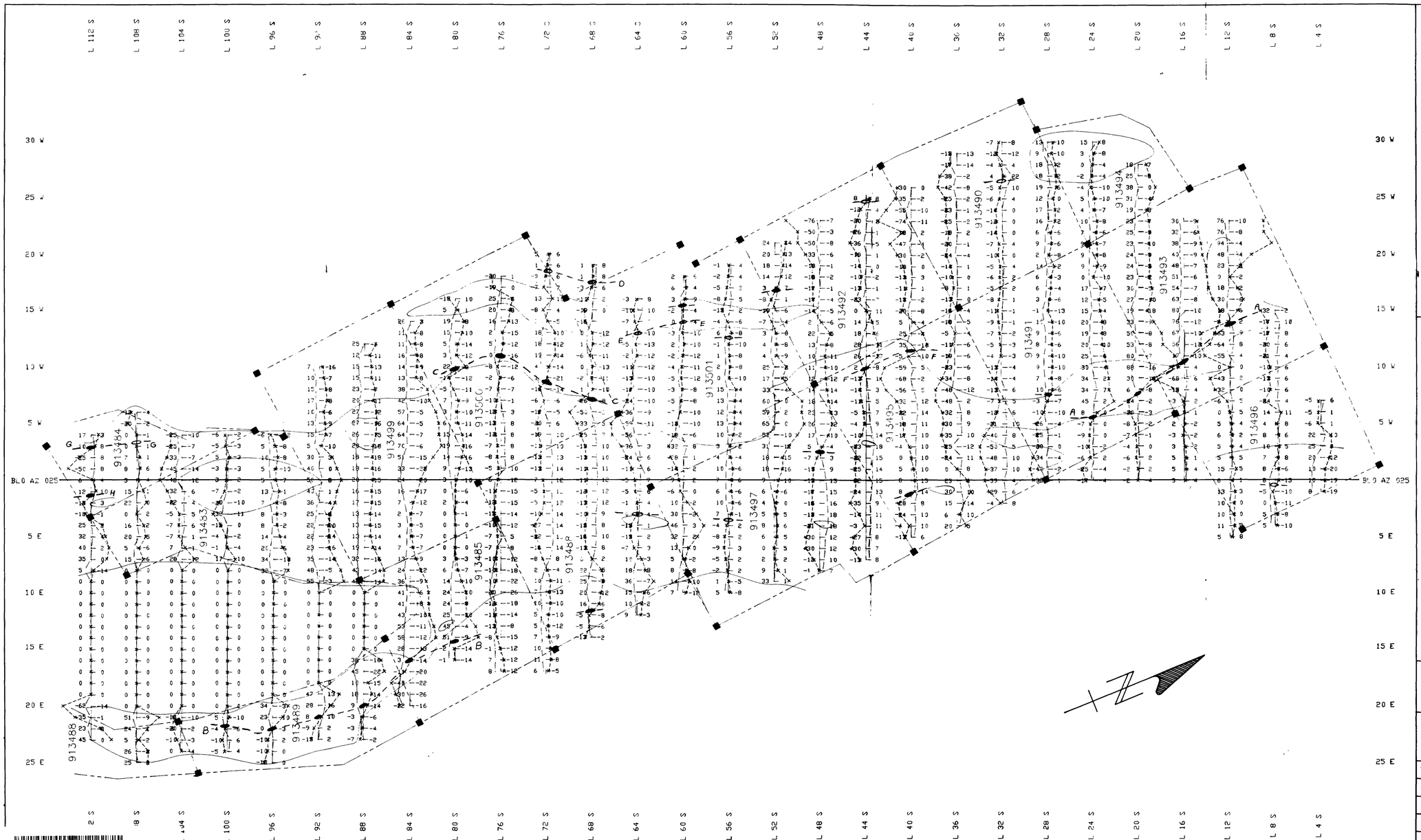
ABH EAST GROUP

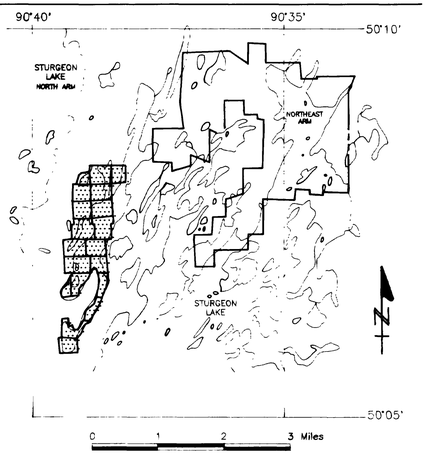
VLF-EM-16 SURVEY

PROFILES

TWP/AREA: BECKINGTON LAKE AREA		PROV.: ONTARIO
MINING DIVISION: SIOUX LOOKOUT		PROJ.: ABH CLAIMS
MAP REFERENCE No.: G-2532		NTS Nos: 52-J-2
DRAWN BY:	DRAFTED:	CHECKED:
SCALE: 1"=400'	DATE: JULY 1988	SHEET: of

PHANTOM EXPLORATION SERVICES LTD.





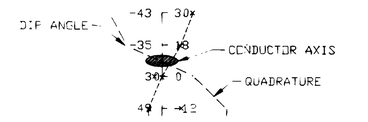
LEGEND

TOPOGRAPHY

- CLAIM POST
- RIVER
- STREAM
- SWAMP & BOUNDARY
- LAKE SHORE
- HIGHWAY — 580
- BUSH ROAD

INSTRUMENT: GEONICS VLF EM-16
TRANSMITTER STATION, CUTLER, MAINE
PROFILE SCALE: 1" = 100 UNITS
OPERATOR FACING NORTH
FRASER FILTER CONTOUR INTERVAL:

- CONDUTOR AXIS (BEDROCK)
- CONDUTOR AXIS (TOPOGRAPHIC)



0 400' 800' 1200' 1600' 2000'

VILLENEUVE RESOURCES

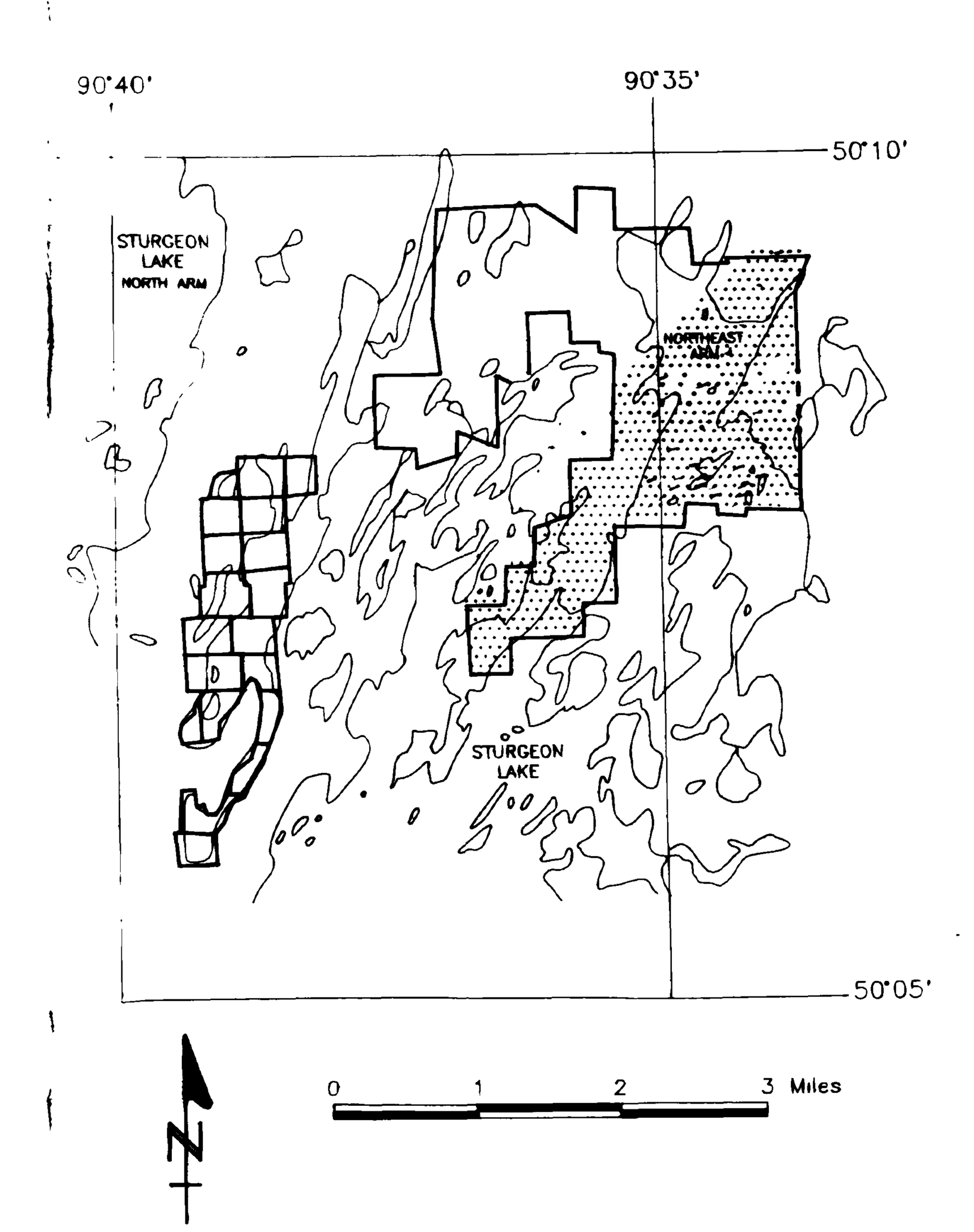
ABH WEST GROUP

VLF-EM-16 SURVEY PROFILES 2.11669

TWP/AREA: BEDDINGTON LAKE AREA		PROV.: ONTARIO
MINING DIVISION: SIOUX LOOKOUT		PROJ.: ABH CLAIMS
MAP REFERENCE No.: 042532		NTS No.: 52-J-2
DRAWN BY:	DRAFTED:	CHECKED:
SCALE: 1"=400'	DATE: JULY 1988	SHEET: of

PHANTOM EXPLORATION SERVICES LTD.

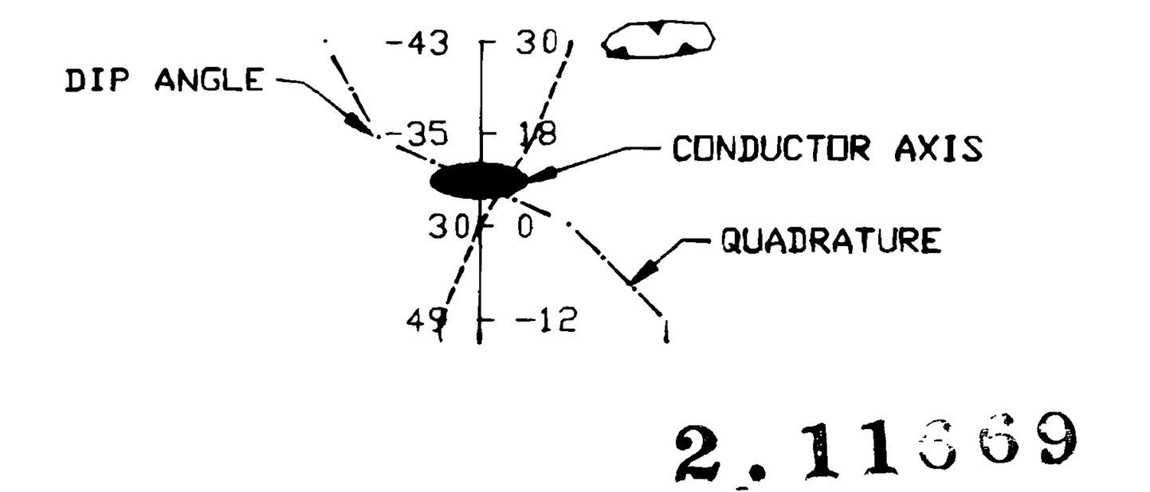
300



LEGEND

TOPOGRAPHY
- CLAIM POST
- RIVER
- STREAM
- SWAMP & BOUNDARY
- LAKE SHORE
- HIGHWAY 580
- BUSH ROAD

INSTRUMENT: GEONICS VLF EM-16
TRANSMITTER STATION: CUTLER, MAINE
PROFILE SCALE: 1" = 100 UNITS
OPERATOR FACING NORTH
FRASER FILTER CONTOUR INTERVAL:
CONDUTOR AXIS (BEDROCK)
CONDUTOR AXIS (TOPOGRAPHIC)



2.11669

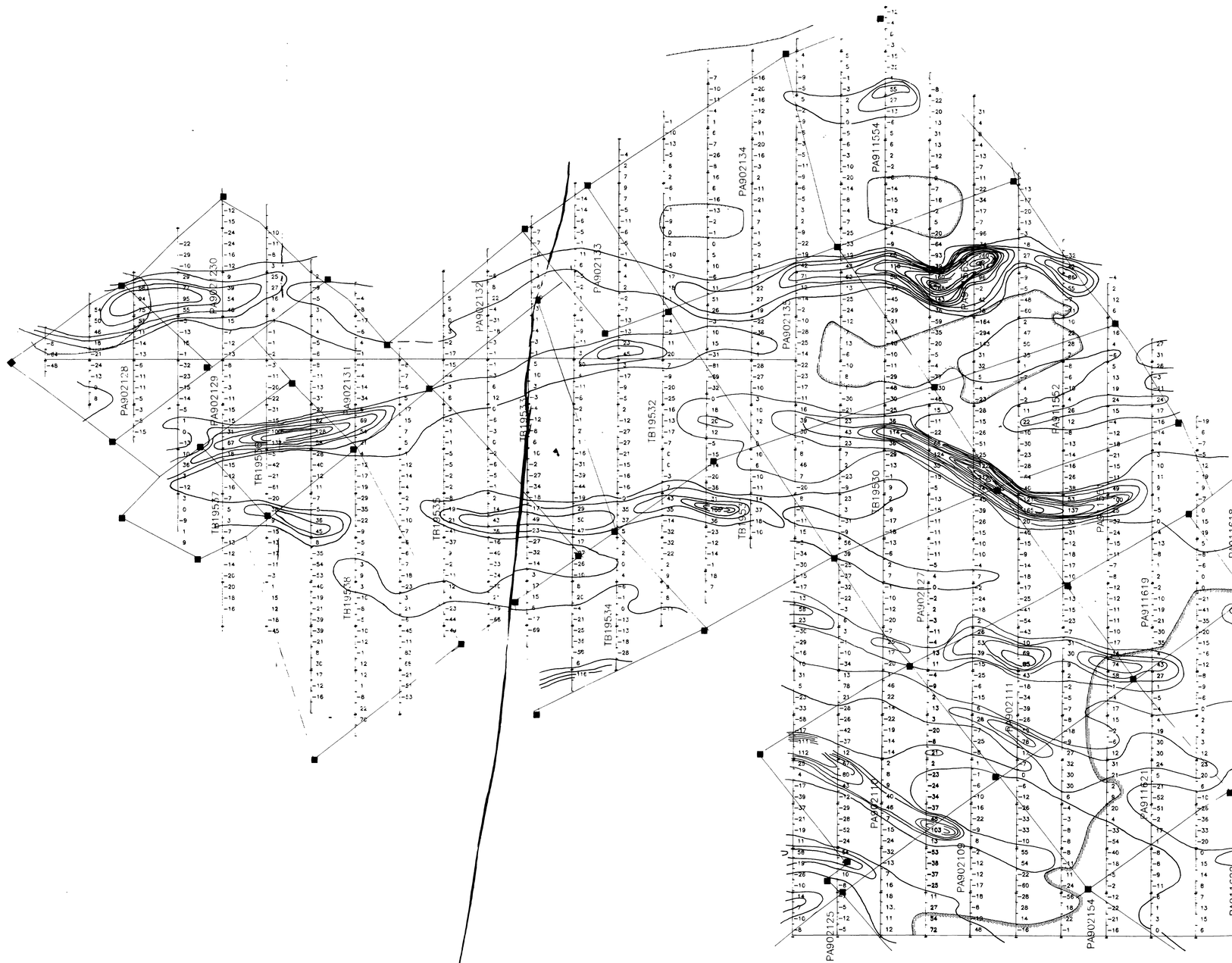
0 400' 800' 1200' 1600' 2000'

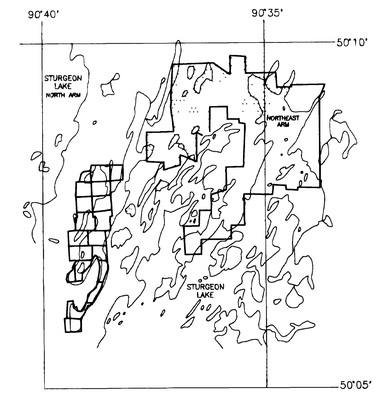
VILLENEUVE RESOURCES
ABH EAST GROUP

FRASER FILTER
READINGS

TWP/AREA: BECKINGTON LAKE AREA		PROV.: ONTARIO
MINING DIVISION: SIOUX LOOKOUT		PROJ.: ABH CLAIMS
MAP REFERENCE No.: G-2532		NTS No.: 52-J-2
DRAWN BY:	DRAFTED:	CHECKED:
SCALE: 1"=40'	DATE: JULY 1988	SHEET: of

PHANTOM EXPLORATION SERVICES LTD.

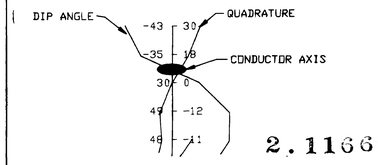




LEGEND

TOPOGRAPHY
CLAIM POST
RIVER
STREAM
SWAMP & BOUNDARY
LAKE SHORE
HIGHWAY 580
BUSH ROAD
BEAVER DAM

INSTRUMENT: GEONICS VLF EM-16
TRANSMITTER STATION: CUTLER, MAINE
PROFILE SCALE: 1" = 100 UNITS
OPERATOR FACING NORTH
FRASER FILTER CONTOUR INTERVAL:
CONDUTOR AXIS (BEDROCK)
CONDUTOR AXIS (TOPOGRAPHIC)



2.11669

0 400' 800' 1200' 1600' 2000'

VILLENEUVE RESOURCES

ABH EAST GROUP

FRASER FILTER SURVEY

READINGS

TWP/AREA: BECKINGTON LAKE AREA		PROV.: ONTARIO
MINING DIVISION: SIOUX LOOKOUT		PROJ.: ABH CLAIMS
MAP REFERENCE No.: G-2532		NTS 52-J-2
DRAWN BY:	DRAFTED:	CHECKED:
SCALE: 1"=400'	DATE: JULY 1988	SHEET: of

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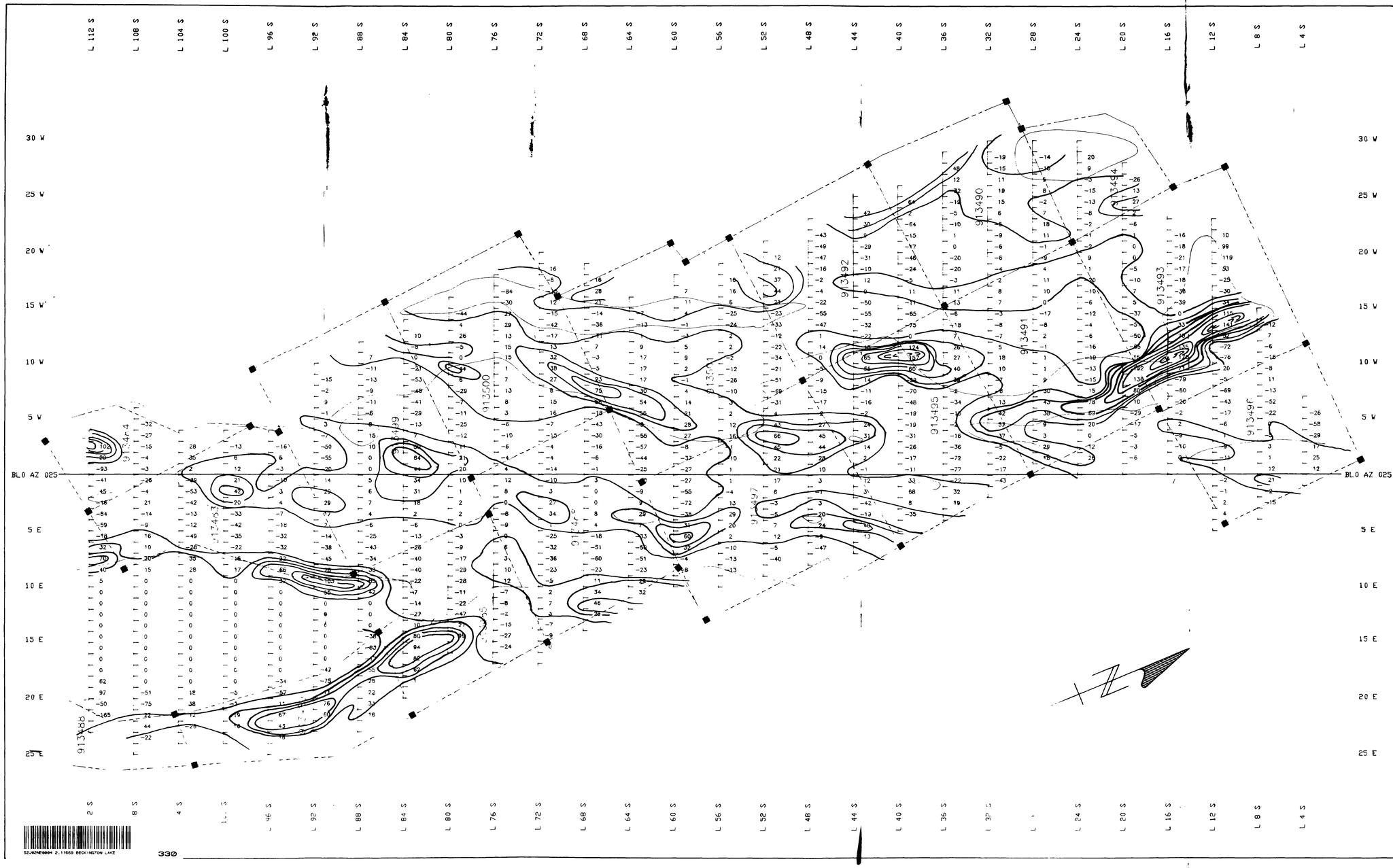

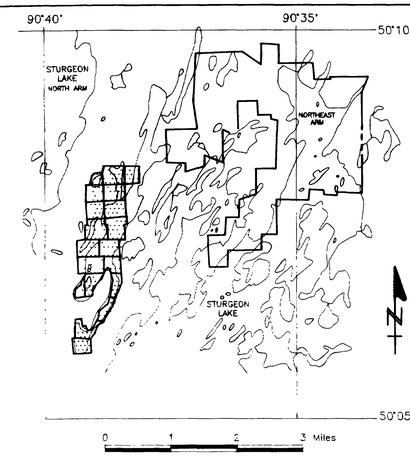

LEGEND

TOPOGRAPHY
CLAIM POST
RIVER
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SWAMP & BOUNDARY
LAKE SHORE
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BUSH ROAD

INSTRUMENT: GEONICS VLF EM-16
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FRASER FILTER CONTOUR INTERVAL:
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CONDUTOR AXIS (TOPOGRAPHIC)

VILLENEUVE RESOURCES

ABH WEST GROUP

FRASER FILTER READINGS 2.11669

TWP/AREA: BECKINGTON LAKE AREA		PROV.: ONTARIO
MINING DIVISION: SIOUX LOOKOUT		PROJ.: ABH CLAIMS
MAP REFERENCE NO.: G-2532		NTS No.: 52-J-2
DRAWN BY:	TRACED:	CHECKED:
SCALE: 1"=400'	DATE: JULY 1988	SHEET: of

PHANTOM EXPLORATION SERVICES LTD.