



52J02SW0064 52J02SW0034 FOURBAY LAKE

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PROJECTS
SECTION

REPORT ON

GEOPHYSICAL RESULTS

STURGEON LAKE PROPERTY

PREMIER GASPE MINES LIMITED

MINES AND TECHNICAL SERVICES



Toronto, Ontario,
October 10th, 1972.

J. P. Jewell,
Mining Geologist.



010C

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LITHO. BY J. P. JEWELL FOR U.S. GEOLOGICAL SURVEY

2.1068

REPORT ON
GEOPHYSICAL RESULTS
STURGEON LAKE PROPERTY
PREMIER GASPE MINES LIMITED

ABSTRACT:

From July 29th to September 9th, 1972, a combined ground electromagnetic and magnetometer survey was carried out over a group of mineral claims held by Premier Gaspe Mines Limited, located in the Fourday Lake Section of the Sturgeon Lake Area, Patricia Mining Division, Ontario.

Herein are reported results of the geophysical program, a description of the procedure and equipment, conclusions and recommendations. Accompanying this report are two maps drawn on a scale of 1" to 400' recording the field observations; one presenting the magnetometer data in contoured form, the second showing the electromagnetic readings in profile. Insert maps on this latter sheet depict the general location of the property, and the position of individual claims within the group.

PURPOSE:

The purpose of the survey was to effect a useful electrical and magnetic program of prospecting over the property to ^{detect}~~detail~~ sulphide mineralization and delineate structures and areas warranting further investigation. The combined survey would allow examination of the correlation of electrical conductors in the event of magnetic anomalies.

PROPERTY AND LOCATION:

The property is located on Claim Map M.2879 of the Department of Mines & Northern Affairs, being Fourbay Lake sheet of the Patricia Mining Division. The claim block is 17 miles south of the town of Savant Lake, and approximately 63 miles north of Ignace, along Provincial Highway No. 599 which crosses the north-west corner of the property.

The survey was carried out over the following unpatented claims:

Pa.310106 to 310133, inclusive

Pa.310189 to 310191, inclusive

Trails from the highway along picket line 30-W, or along the eastern boundary of the claim block, allow access to the central part of the property and the grid system established for the survey.

GENERAL GEOLOGY:

Preliminary Geological Map No. P.353 and a Geological Compilation Sheet Map 2169, both issued by the Ontario Department of Mines, depict the property of Premier Gaspe Mines Limited as being underlain by an assemblage of metavolcanics and situated about one-half mile south of an extensive mass of undifferentiated granitic rocks.

A cursory examination of some of the rock outcropped on the property confirms the presence of primarily a basic environment throughout the claim group. Outcrops observed were usually massive andesite, fine grained, grey to dark green in color, usually striking about 260°. Some coarser grained rock outcrops were encountered, possibly intrusions of diorite.

No rhyolite formation was encountered but, as mentioned above, the examination was of a cursory nature. No detailed geological mapping was attempted.

SURVEY PROCEDURE, METHOD AND EQUIPMENT:

A grid system was established by cutting Base Line "A" bearing east - west midway across the claim group. Starting at a point 200' inside the eastern boundary of the property, north - south picket lines were cut at 400' intervals and survey stations established at 100' spacings along the lines. A parallel base line was cut 3,700 feet north of "A" Base Line and grid lines 2 - to 38-E were established for a grid system to survey three easterly claims of the property. This "North" Base Line was extended to line 30-W for additional grid lines if required for this portion of the property.

The picket lines were well cut and blazed and the stations clearly marked so the grid system could be utilized for geological mapping or any additional exploration proposed for development of the property.

Readings were recorded of the vertical component of the earth's magnetic field at 100' intervals along the survey lines. The observations have been corrected for diurnal and day-to-day effects. Readings are shown on the accompanying Magnetometer Map in contour form on a scale of 1" to 400'. The instrument used was a McPhar M-700.

Electromagnetic readings were recorded along the established survey stations at 100' intervals, using a Geonics EM-16 unit, reading the Cutler, Maine Transmitter (NAA) at 17.8 kHz frequency. The dip angles were plotted on the accompanying Electromagnetic Survey Map and profiled on a scale of 1" to 40°.

For the purpose of detailing and checking indicated conductive zones, a Scintrex SE-250 Portable Electromagnetic unit was utilized producing a 1,000 c.p.s. frequency. This equipment was used to check 14 locations indicated by the EM-16 instrument.

RESULTS OF SURVEY:

Magnetics -

The magnetic data showed the property to be of medium-intensity magnetic relief with frequent narrow magnetic highs, usually in the range of 1,000 to 1,500 gammas and occasionally as high as plus 2,000 gammas. The strikes of the magnetic highs are usually north-east but appear to swing from an east - west direction to north - west in some instances. The nature of the magnetic response would indicate relatively shallow overburden and varying amounts of magnetite minerals in the rock formations. Geological mapping would be useful for a more definitive interpretation of the results.

Electromagnetic

The EM-16 unit recorded numerous observations indicating conductivity of varying intensity. Many of these could be discounted because of weakness of the response, their relationship to topographical features and overburden effects, and obvious indications that the response does not express sulphide mineralization.

However, in the north-central and north-eastern parts of the coverage area, conductive zones are indicated that appear to be of some possible economic interest. At the following locations, electromagnetic response appeared to be of greater significance:

- 1) 1,200 feet north of "A" Base Line, from line 30-W to 18-W;
- 2) Approximately 200 feet north of the "North" Base Line from line 10-W to line 2-W;
- 3) From line 2-E to line 10-E, 100 feet south of the "North" Base Line.

Check work with the SE-250 equipment verified the interpretation to a degree. All three locations mentioned above are segments of lengthy conductive zones traced for distances of from 1,500 feet to about 3,000 feet. The strike of the three zones is roughly parallel, being approximately from N.15°W. to about N.25°W. This bearing

differs from the general strike of the volcanic rock formation observed on the claim block, and from exposures on the road north of the property where, generally, the strike appears to be about south 75 to 80 degrees west.

Electromagnetic responses, when traced along the three zones, would appear to express a shear or fractured structure which, in places, may contain mineralized sections. A contact zone is one possible explanation for the event. However, the strike would appear not to coincide with the general bearing of the volcanics in the area.

Bodies intruding the volcanic formation and creating sheared and fractured zones, in part mineralized, would be consistent with the electromagnetic indications and could be the causative structure for the electrical response.

The three locations described above coincide, in part, with some of the magnetic peaks which occur on the property.

CONCLUSIONS AND RECOMMENDATIONS:

The ground geophysical program on the Premier Gaspe Mines property has delineated three zones of possible interest and regarded as targets for additional investigation. On the accompanying Electromagnetic Survey Map three locations have been indicated along the zones which are points of special interest and where further work would commence in the initial stage. These have been designated on the Map as points "A", "B" and "C".

It is recommended that from these indicated locations surface investigation along the strike of the conductive zone be carried out in an attempt to locate some exposed indication of the causative structure. If it is determined that surface investigation will be inadequate to fully appraise the structure, diamond drilling with small portable equipment should be considered. If suitable sites can be located for using the small equipment, three holes should be bored at the

positions designated as "A", "B" and "C" on the Electromagnetic Map. Further diamond drilling, possibly with standard equipment, will be contingent on results of the preliminary drilling.

Respectfully submitted,

Toronto, Ontario,
October 10th, 1972.

J. P. Jewell,
Mining Geologist
J. P. Jewell

Personnel engaged relative to conducting
ground geophysical survey on Premier Gaspe
Mines property, Sturgeon Lake Area, Ontario

July 29th - August 23rd, 1972

W.G. Langley, 1559 Albion Road, Toronto, Ont.
John Carpenter, Sioux Lookout, Ont.
Roy Carpenter, Sioux Lookout, Ont.
Ted Countryman, Sioux Lookout, Ont.
Vic Burnicott, Sioux Lookout, Ont.
Len Barkman, Sioux Lookout, Ont.


August 24th - September 9th, 1972

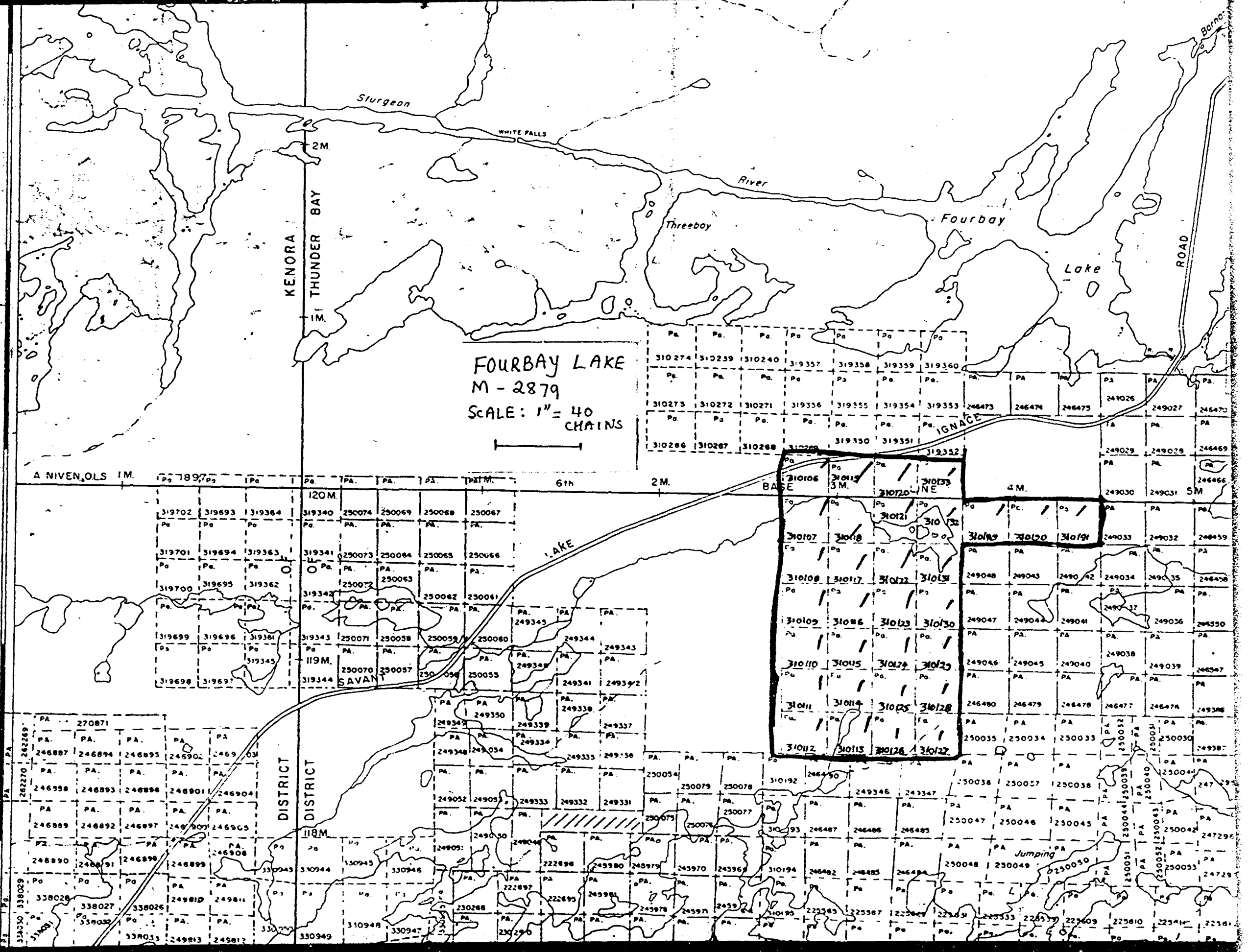
Roy Carpenter, Sioux Lookout, Ont.
W.G. Langley, 1559 Albion Road, Toronto, Ont.

September 1st - 9th, 1972

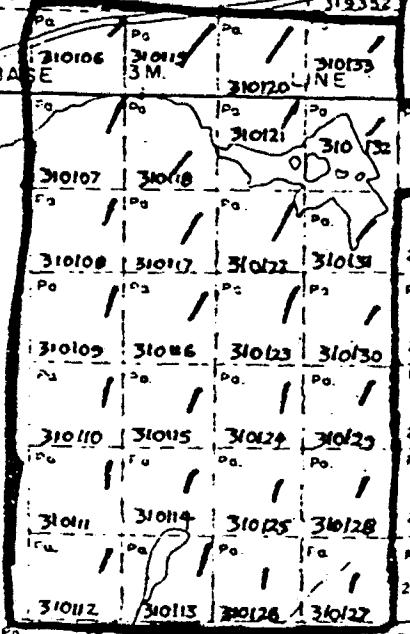
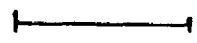
J.P. Jewell, 82 Pine Crescent, Toronto, Ont.

Toronto, Ontario,
October 10th, 1972.


J. P. Jewell,
Mining Geologist.



FOURBAY LAKE
M-2879
SCALE: 1" = 40 CHAINS





52J025W0064 52J025W0034 FOURBAY LAKE

900

PERFORMANCE & COVERAGE CREDITS

RECEIVED

NOV 17 1972

ASSESSMENT WORK DETAILS

MINING CLAIMS TRAVERSED

List numerically PROJECTS SECTION

Township or Area Fourbay Lake Area

Type of Survey Magnetometer
A separate form is required for each type of survey

Chief Line Cutter Roy Carpenter
Name
or Contractor General Delivery, Sioux Lookout, Ont.
Address

Party Chief W.G. Langley
Name
1559 Albion Rd., Toronto, Ont.
Address

Consultant J. P. Jewell
Name
82 Pine Crescent, Toronto, Ont.
Address

310106, 310107, 310108
310106, 310107, 310108
310109, 310110, 310111
310112, 310113, 310114
310115, 310116, 310117
310118, 310119, 310120
310121, 310122, 310123
310124, 310125, 310126
310127, 310128, 310129
310130, 310131, 310132
310133, 310189, 310190
310191.

COVERING DATES

Line Cutting July 28 - Aug. 23, 1972

Field Aug. 19 - 28, Sept. 1 to 9, 1972
Instrument work, geological mapping, sampling etc.

Office Sept. 9 - 30, Oct. 10 - 18, 1972

INSTRUMENT DATA

Make, Model and Type McPhar M-700

Scale Constant or Sensitivity 20 gammas/division
Or provide copy of instrument data from Manufacturer's brochure.

Radiometric Background Count _____

Number of Stations Within Claim Group 1.611

Number of Readings Within Claim Group 1.648

Number of Miles of Line cut Within Claim Group 30.7

Number of Samples Collected Within Claim Group _____

CREDITS REQUESTED

Geological Survey 20 DAYS per claim 40 DAYS per claim Includes (Line cutting)

Geophysical Survey Show

Geochemical Survey Check ✓

DATE October 10, 1972

SIGNED J.P. Jewell

TOTAL 31

Send in duplicate to:
FRED W. MATTHEWS
SUPERVISOR-PROJECTS SECTION
DEPARTMENT OF MINES &
NORTHERN AFFAIRS
WHITNEY BLOCK
QUEEN'S PARK
TORONTO, ONTARIO

PERFORMANCE & COVERAGE CREDITS

52 J/02 SW (23) RECEIVED

ASSESSMENT WORK DETAILS

NOV 17 1972
MINING CLAIMS TRAVERSED

Township or Area Fourbay Lake Area

Type of Survey Magnetometer
A separate form is required for each type of survey

Chief Line Cutter Roy Carpenter
or Contractor Name

General Delivery, Sioux Lookout, Ont.
Address

Party Chief W. G. Langley
Name

1559 Ashion Rd., Toronto, Ont.
Address

Consultant J. P. Jewell
Name

82 Pine Crescent, Toronto, Ont.
Address

COVERING DATES

Line Cutting July 28 - Aug. 23, 1972

Field Aug. 19 - 28, Sept. 1 to 9, 1972
Instrument work, geological mapping, sampling etc.

Office Sept. 9 - 30, Oct. 10 - 18, 1972

INSTRUMENT DATA

Make, Model and Type McPhar M-700

Scale Constant or Sensitivity 20 gamma/division
Or provide copy of instrument data from Manufacturer's brochure.

Radiometric Background Count _____

Number of Stations Within Claim Group 1,611

Number of Readings Within Claim Group 1,648

Number of Miles of Line cut Within Claim Group 30.7

Number of Samples Collected Within Claim Group _____

CREDITS REQUESTED

20 DAYS
per claim

40 DAYS
per claim

Includes
(Line cutting)

Geological Survey

Geophysical Survey

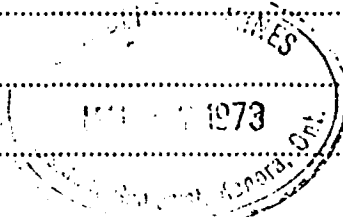
Geochemical Survey

Show
Check

DATE October 10, 1972

SIGNED J.P. Jewell

List number of SUBJECTS SECTION		
310106,	310107,	310108
310109,	310110,	310111
310112,	310113,	310114
310115,	310116,	310117
310118,	310119,	310120
310121,	310122,	310123
310124,	310125,	310126
310127,	310128,	310129
310130,	310131,	310132
310133,	310189,	310190
310191,		
TOTAL		3



Send in duplicate to:
FRED W. MATTHEWS
SUPERVISOR-PROJECTS SECTION
DEPARTMENT OF MINES &
NORTHERN AFFAIRS
WHITNEY BLOCK
QUEEN'S PARK
TORONTO, ONTARIO

If space insufficient, attach list

PERFORMANCE & COVERAGE CREDITS

RECEIVED

NOV 17 1972

MINING CLAIMS TRAVERSED

List number SECTION

ASSESSMENT WORK DETAILS

Township or Area Fourbay Lake Area
 Type of Survey Electromagnetic
A separate form is required for each type of survey
 Chief Line Cutter Roy Carpenter
Name
 or Contractor General Delivery, Sioux Lookout, Ont.
Address
 Party Chief W. G. Langley
Name
1559 Albion Rd., Toronto, Ont.
Address
 Consultant J. P. Jewell
Name
82 Pine Crescent, Toronto, Ont.
Address

COVERING DATES

Line Cutting July 28 - Aug. 23, 1972
 Field Aug. 19 - 28, Sept. 1 to 9, 1972
Instrument work, geological mapping, sampling etc.
 Office Sept. 9 - 30, Oct. 10 - 18, 1972

INSTRUMENT DATA

Make, Model and Type Geonics EM 16 Unit
 Scale Constant or Sensitivity 1° per scale division *
Or provide copy of instrument data from Manufacturer's brochure.
 Radiometric Background Count _____
 Number of Stations Within Claim Group 1.611
 Number of Readings Within Claim Group 2,035*
 Number of Miles of Line cut Within Claim Group 30.7
 Number of Samples Collected Within Claim Group _____
*Includes detail work with S.E. 250 Equipment.

CREDITS REQUESTED

	20 DAYS per claim	40 DAYS per claim	Includes (Line cutting)
Geological Survey	<input type="checkbox"/>	<input type="checkbox"/>	
Geophysical Survey	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Show Check ✓
Geochemical Survey	<input type="checkbox"/>	<input type="checkbox"/>	

DATE October 10, 1972

Qualifications: 63.25% SIGNED: J.P. Jewell

Performance and coverage credits do not apply to airborne surveys

Pa	310106, 310107, 310108
	310109, 310110, 310111
	310112, ^{1/2} 310113, 310114
	310115, 310116, 310117
	310118, 310119, 310120
NA 1/3 Added	310121, 310122, 310123
	310124, 310125, 310126
	310127, 310128, 310129
	310130, ^{1/3} 310131, ^{1/3} 310132
	310133, 310189, 310190
	310191
TOTAL _____	

Manning Claim Pa. 310113 was only to covered, but due to good coverage over rest of survey claim allowing full credits for this claim.

Send in duplicate to:
 FRED W. MATTHEWS
 SUPERVISOR-PROJECTS SECTION
 DEPARTMENT OF MINES &
 NORTHERN AFFAIRS
 WHITNEY BLOCK
 QUEEN'S PARK
 TORONTO, ONTARIO



TECHNICAL ASSESSMENT WORK CREDITS

Recorder Holder Premier Gaspe Mines Limited

Township or Area Fourbay Lake

Type of Survey and number of Assessment Days Credits per claim

GEOPHYSICAL

Electromagnetic40.....days

Magnetometer20.....days

Radiometricdays

Induced Polarizationdays

.....days

GEOLOGICAL.....days

GEOCHEMICAL.....days

Man days

Air borne

Special Provision

Ground

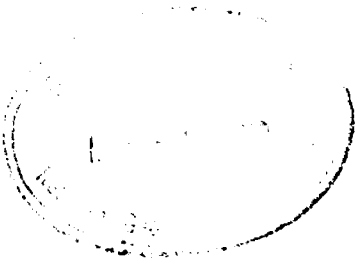
NOTICE OF INTENT TO BE ISSUED

Credits have been reduced because of partial coverage of claims.

Credits have been reduced because of corrections to work dates and figures of applicant.

NO CREDITS have been allowed for the following mining claims as they were not sufficiently covered by the survey:

Mining Claims
Pa. 310106 to 33 inclusive
310189 to 91 "



NOTE: The Mining Recorder may reduce the above credits if necessary in order that the total number of approved assessment days recorded on each claim does not exceed the maximum allowed as follows: Geophysical - 80; Geological - 40; Geochemical - 40;

Kenora



ONTARIO

FOURBAY LAKE

M-2879

A separate form is required for each type of work to be recorded.

245

THE MINING ACT REPORT OF WORK

To the Recorder of Kenora Mining Division (a)

I, Premier Geophysical Mines Limited
name of Recorded Holder

1494 Corydon Road Port Credit Ontario
Post Office Address

do hereby report the performance of 930 days of Magnetic and Gravity Survey
type of work

not before reported to be applied on the following contiguous claims

Claim No.	Days	Claim No.	Days	Claim No.	Days
<u>Pa 310106</u>	<u>30</u>	<u>Pa 310112</u>	<u>30</u>	<u>Pa 310118</u>	<u>30</u>
<u>310107</u>	<u>30</u>	<u>310113</u>	<u>30</u>	<u>310119</u>	<u>30</u>
<u>310108</u>	<u>30</u>	<u>310114</u>	<u>30</u>	<u>310120</u>	<u>30</u>
<u>310109</u>	<u>30</u>	<u>310115</u>	<u>30</u>	<u>310121</u>	<u>30</u>
<u>310110</u>	<u>30</u>	<u>310116</u>	<u>30</u>	<u>310122</u>	<u>30</u>
<u>310111</u>	<u>30</u>	<u>310117</u>	<u>30</u>	<u>310123</u>	<u>30</u>

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

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

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

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

For Compressed Air or Other Power Driven or Mechanical Equipment

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

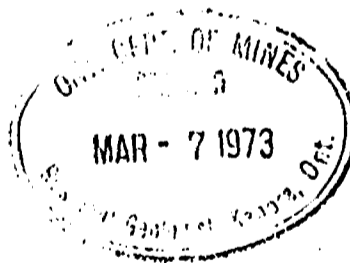
For Power Stripping - Type of equipment. Name and address of owner or operator. Amount expended. Dates on which work was done. Proof of actual cost must be submitted within 30 days of recording.

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

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

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

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



Date Sept 15 1972

J.P. Jewell
Signature of Recorded Holder or Agent

The Mining Act
Certificate Verifying Report of Work

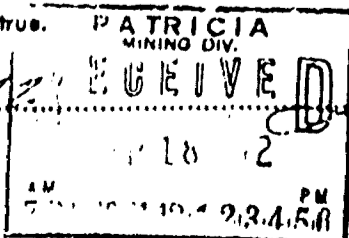
I, J.P. Jewell
82 Port Crescent Toronto 265 Ontario
(Post Office Address)

hereby certify:

1. That I have a personal and intimate knowledge of the facts set forth in the report of work annexed hereto, having performed the work or witnessed same during and/or after its completion.

2. That the annexed report is true.

Dated Sept 17 1972



J.P. Jewell
Signature

Pa-310106

THE PENALTY FOR MAKING A FALSE STATEMENT IN THIS REPORT AND/OR CERTIFICATE IS \$500. OR SIX MONTHS IMPRISONMENT OR BOTH



ONTARIO

THE MINING ACT REPORT OF WORK

A separate form is required for each type of work to be recorded.

245 (b)

To the Recorder of T. J. Jewell Mining Division

I, Premier Explosives Mine Limited name of Recorded Holder

1494 Baywood Road, Port Credit, Ontario Post Office Address

do hereby report the performance of 990 days of Explosives Survey type of work

not before reported to be applied on the following contiguous claims

Claim No.	Days	Claim No.	Days	Claim No.	Days
<u>Pa 310124</u>	<u>30</u>	<u>Pa 310130</u>	<u>30</u>	<u>310191</u>	<u>30</u>
<u>310125</u>	<u>30</u>	<u>310131</u>	<u>30</u>		
<u>310126</u>	<u>30</u>	<u>310132</u>	<u>30</u>		
<u>310127</u>	<u>30</u>	<u>310133</u>	<u>30</u>		
<u>310128</u>	<u>30</u>	<u>310134</u>	<u>30</u>		
<u>310129</u>	<u>30</u>	<u>310135</u>	<u>30</u>		

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

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

- For Manual Work, Stripping or Opening up of Mines, Sinking Shafts or Other Actual Mining Operations - Names and addresses of the men who performed the work and the dates and hours of their employment.
- For Diamond and other Core Drilling - Footage, No. and angle of holes and diameter of core. Name and address of owner or operator of drill. Dates when drilling was done. Signed core log and sketch in duplicate.
- For Compressed Air or Other Power Driven or Mechanical Equipment - Type of drill or equipment. Names and addresses of men engaged in operating equipment and the dates and hours of their employment.
- For Power Stripping - Type of equipment. Name and address of owner or operator. Amount expended. Dates on which work was done. Proof of actual cost must be submitted within 30 days of recording.
- With each of the above types of work sketches are required to show the location and extent of the work in relation to the nearest claim post. In the case of diamond or other core drilling the sketch must be submitted in duplicate.
- For Geophysical, Geological, Geochemical Surveys and Expenditure Credits - the name of author of report. Covering dates of survey (linecutting & office). Type of instrument used. Total amount of expenditure. Technical reports, maps, expenditure breakdown, receipts must be filed in duplicate with the Minister within 60 days of recording.
- For Land Survey - the name and address of Ontario Land surveyor.

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



Date Sept 12 1978

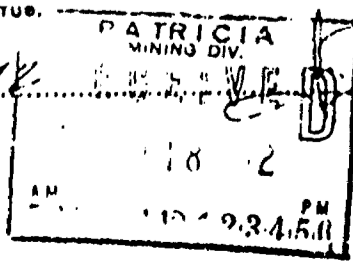
J.P. Jewell Signature of Recorder/Holder or Agent

The Mining Act Certificate Verifying Report of Work

I, J.P. Jewell hereby certify:
42 Pine Crescent, Toronto 26, Ontario (Post Office Address)

- 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.
- That the annexed report is true.

Dated: Sept 12 1978 J.P. Jewell Signature



Pa-310106

THE PENALTY FOR MAKING A FALSE STATEMENT IN THIS REPORT AND/OR CERTIFICATE IS \$500. OR SIX MONTHS IMPRISONMENT OR BOTH



ONTARIO

THE MINING ACT REPORT OF WORK

A separate form is required for each type of work to be recorded.

246 (b)

To the Recorder of Patricia Mining Division

1. Premier Gaspe Mines Limited
name of Recorded Holder

1424 Greywood Road Port Credit, Ontario
Post Office Address

do hereby report the performance of 30 days of Electromagnetic Survey
Type of work

not before reported to be applied on the following contiguous claims

Claim No.	Days	Claim No.	Days	Claim No.	Days
310124	30	Pa 310130	30	Pa 310191	30
310125	30	310131	30		
310126	30	310132	30		
310127	30	310133	30		
310128	30	Pa 310189	30		
310129	30	310190	30		

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

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

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

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

For Compressed Air or Other Power Drilling or Mechanical Equipment
Type of drill or equipment. Names and addresses of men engaged in operating equipment and the dates and hours of their employment.

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

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

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

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

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

Date Sept 15, 1974

Signature of Recorded Holder or Agent
J.P. Jewell
MAR - 7 1973
Geologist, Kenora, Ont.

The Mining Act
Certificate Verifying Report of Work

1. J.P. Jewell

82 Pine Crescent, Toronto, Ont.
(Post Office Address)

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 some during and/or after its completion.
- That the annexed report is true.

Dated Sept 15 1974

PATRICIA
MINING DIV.
RECEIVED
18
1974
PM

Signature
J.P. Jewell
Pa. 310106

THE PENALTY FOR MAKING A FALSE STATEMENT IN THIS REPORT AND/OR CERTIFICATE IS \$500. OR SIX MONTHS IMPRISONMENT OR BOTH

Keweenaw

FOURBAY LAKE
M. 2879



ONTARIO

THE MINING ACT REPORT OF WORK

A separate form is required for each type of work to be recorded.

246

To the Recorder of Patricia Jewell Mining Division (a)

I, Perimeter Group Mines Limited
name of Recorded Holder Miner's Licence

1494 Esplanade West, Port Credit, Ontario
Post Office Address

do hereby report the performance of 310 days of Electromagnetic Survey
Type of work

not before reported to be applied on the following contiguous claims

Claim No.	Days	Claim No.	Days	Claim No.	Days
<u>Pa 310106</u>	<u>30</u>	<u>Pa 310112</u>	<u>30</u>	<u>Pa 310116</u>	<u>30</u>
<u>310107</u>	<u>30</u>	<u>310113</u>	<u>30</u>	<u>310119</u>	<u>30</u>
<u>310108</u>	<u>30</u>	<u>310114</u>	<u>30</u>	<u>310120</u>	<u>30</u>
<u>310109</u>	<u>30</u>	<u>310115</u>	<u>30</u>	<u>310121</u>	<u>30</u>
<u>310110</u>	<u>30</u>	<u>310116</u>	<u>30</u>	<u>310122</u>	<u>30</u>
<u>310111</u>	<u>30</u>	<u>310117</u>	<u>30</u>	<u>310123</u>	<u>30</u>

All the work was performed on Mining Claim (s) 310106
(In the case of geological and/or geophysical survey (s) where more than 18 claims are involved attach a schedule)

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

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

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

For Compressed Air or Other Power Driven or Mechanical Equipment
Type of drill or equipment. Names and addresses of men engaged in operating equipment and the dates and hours of their employment.

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

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

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

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

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

Date Sept 15 1972

J.P. Jewell
Signature of Recorded Holder or Agent

The Mining Act
Certificate Verifying Report of Work

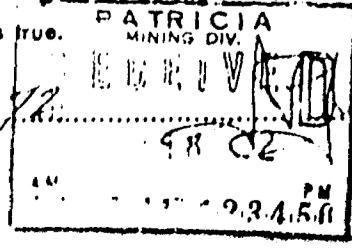
I, J.P. Jewell
82 Puc. Crescent, Toronto 260 Ontario
(Post Office Address)

hereby certify:

1. That I have a personal and intimate knowledge of the facts set forth in the report of work annexed hereto, having performed the work or witnessed same during and/or after its completion.

2. That the annexed report is true.

Dated Sept 15 19 72



J.P. Jewell
Signature
Pa 310106

THE PENALTY FOR MAKING A FALSE STATEMENT IN THIS REPORT AND/OR CERTIFICATE IS \$500. OR SIX MONTHS IMPRISONMENT OR BOTH

Savant Lake Hotel
Savant Lake, Ont
Sept 21, 1972

Mr W A Buchan
Mining Recorder
Sioux Lookout
Ontario

Dear Mr Buchan

I was advised by telephone from my Toronto residence that you had request additional information relative to the geophysical survey work recently filed with your office for assessment credits, on behalf of Premier Gaspe Mines Ltd.

Following are the covering dates of survey:

Line Cutting	July 25 to August 22, 1972
Magnetometer	Aug 14 to August 28, 1972
Electromagnetic	
EM 16	Aug 16 to Aug 30, 1972
SE 250	Sept 1 to Sept 9, 1972

Trusting these dates are all you require to file this work report, other details I understand will be filed along with the Technical Report.

Very truly yours

**DUPLICATE COPY
POOR QUALITY ORIGINAL
TO FOLLOW**

Sheraton Lake Hotel
Sheraton Lake, Ont
Sept 21, 1972

Mr. W. A. Buchanan
Mining Recorder
Stain Lookout,
Ottawa.

Dear Mr. Buchanan

I was advised by telephone from my Toronto residence that you had request additional information relative to the geophysical survey work recently filed with your office for assessment credits, on behalf of Premier Gaspe Mines Ltd.

Following are the covering dates of

Survey:

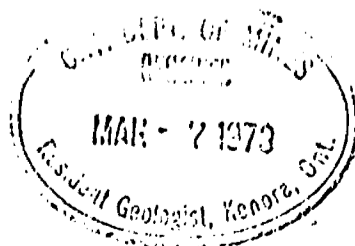
Line Cutting, July 25th to August 22, 1972
Magnetometer Aug. 14 to August 28, 1972
Electromagnetic EM-16 Aug 16 to Aug. 30 1972
SF 250. Sept. 1 to Sept. 9, 1972.

Trusting these dates are all you require to file the work report, other details, I understand, will be filed along with the Technical Report

Very truly yours,



J. P. JEWELL





Ministry
of Natural
Resources

Telephone 416:965-6918

Room W 1617
Parliament Buildings
Toronto, Ontario
M7A 1X1

March 5, 1973

52 J/02 SW (23)

Mr. W. A. Buchan
Mining Recorder
Court House
Sioux Lookout, Ontario

Dear Sir:

Re: Mining Claims Pa 310106 et al, Fourbay Lake
File 2.1068

The Geophysical (Electromagnetic and Magnetometer) assessment work credits as shown on the attached statement have been approved as of the date above. Please inform the recorded holder and so indicate on your records.

Yours very truly,

Fred W. Matthews
Supervisor
Projects Unit

OJ/mw

encl.

cc: Premier Gaspe Mines Ltd.

cc: Mr. J.P. Jewell

cc: Resident Geologist
Kenora, Ontario

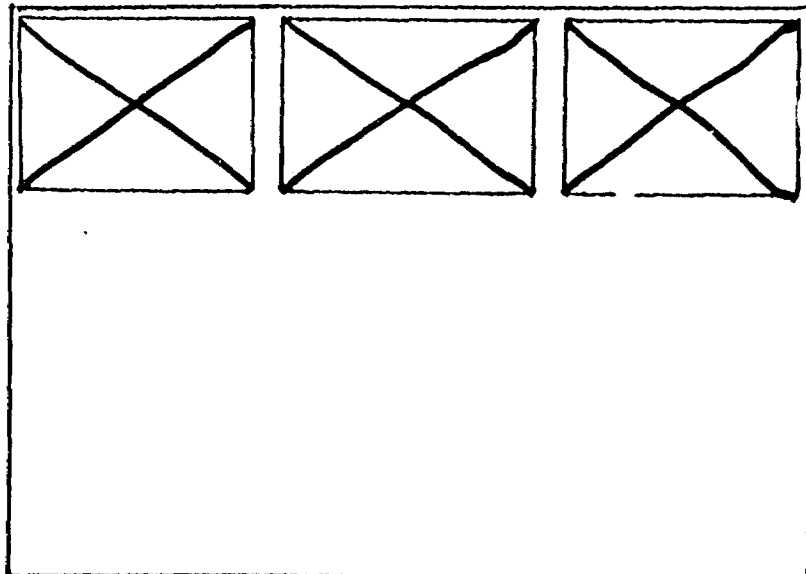


SEE ACCOMPANYING
MAP(S) IDENTIFIED AS

52J/02 SW-0034 #1-3

LOCATED IN THE MAP
CHANNEL IN THE
FOLLOWING SEQUENCE

(X)



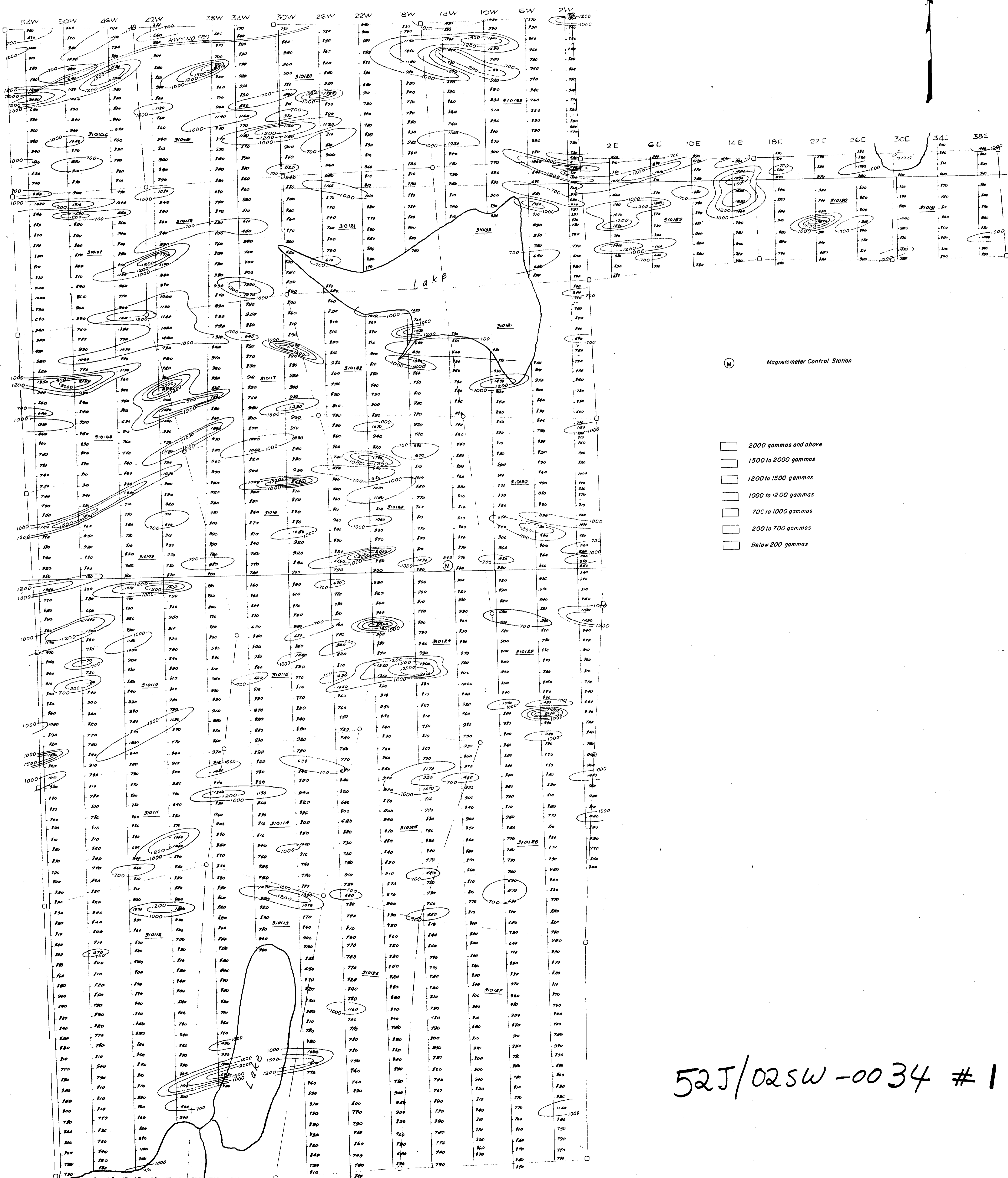
2-1068

PREMIER GASPÉ MINES LIMITED STURGEON LAKE AREA, NORTHWESTERN ONTARIO

SCALE: 1" = 400'

MAGNETOMETER SURVEY

McPhar M-700



52J/02SW-0034 #1

[Handwritten signature]



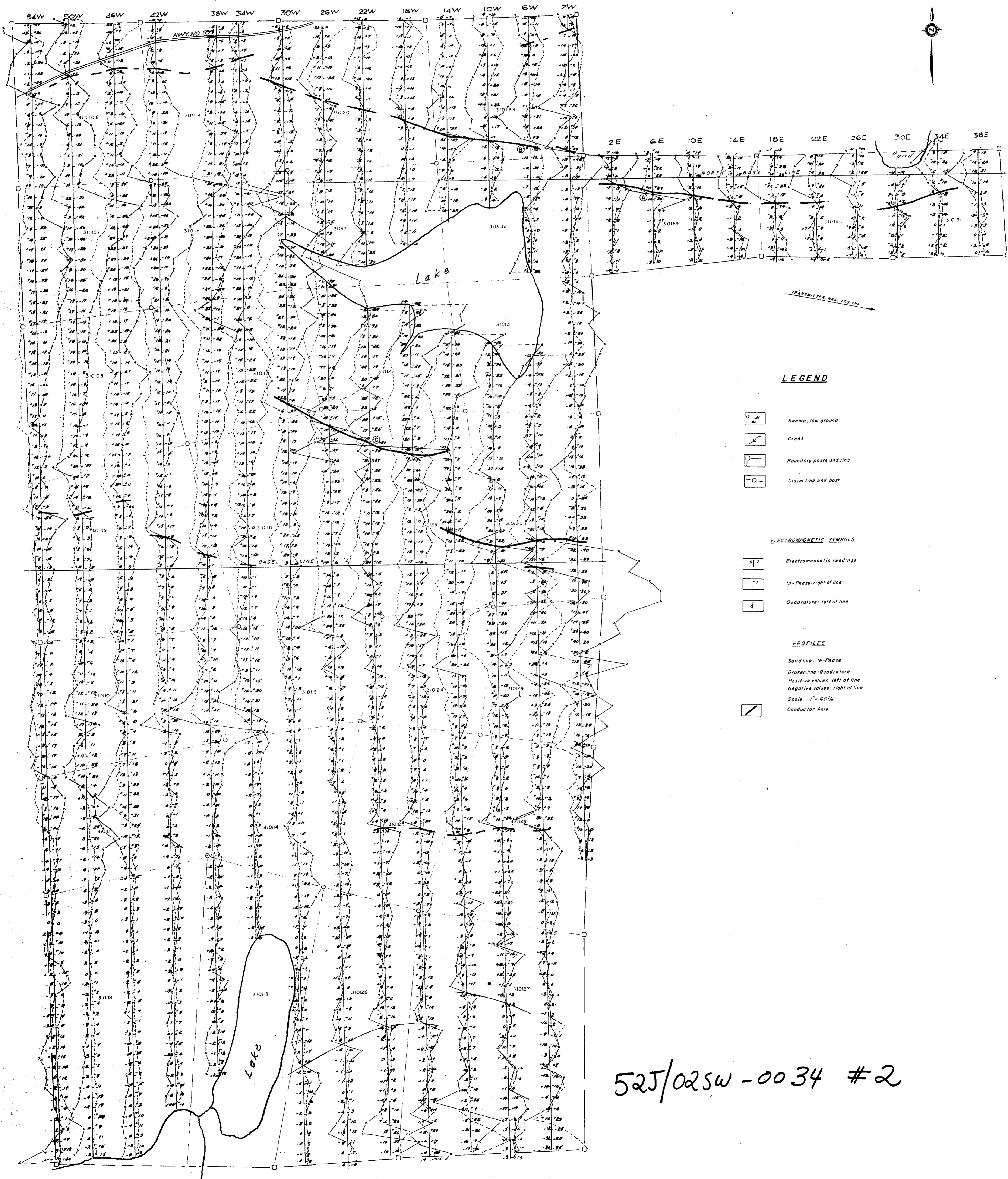
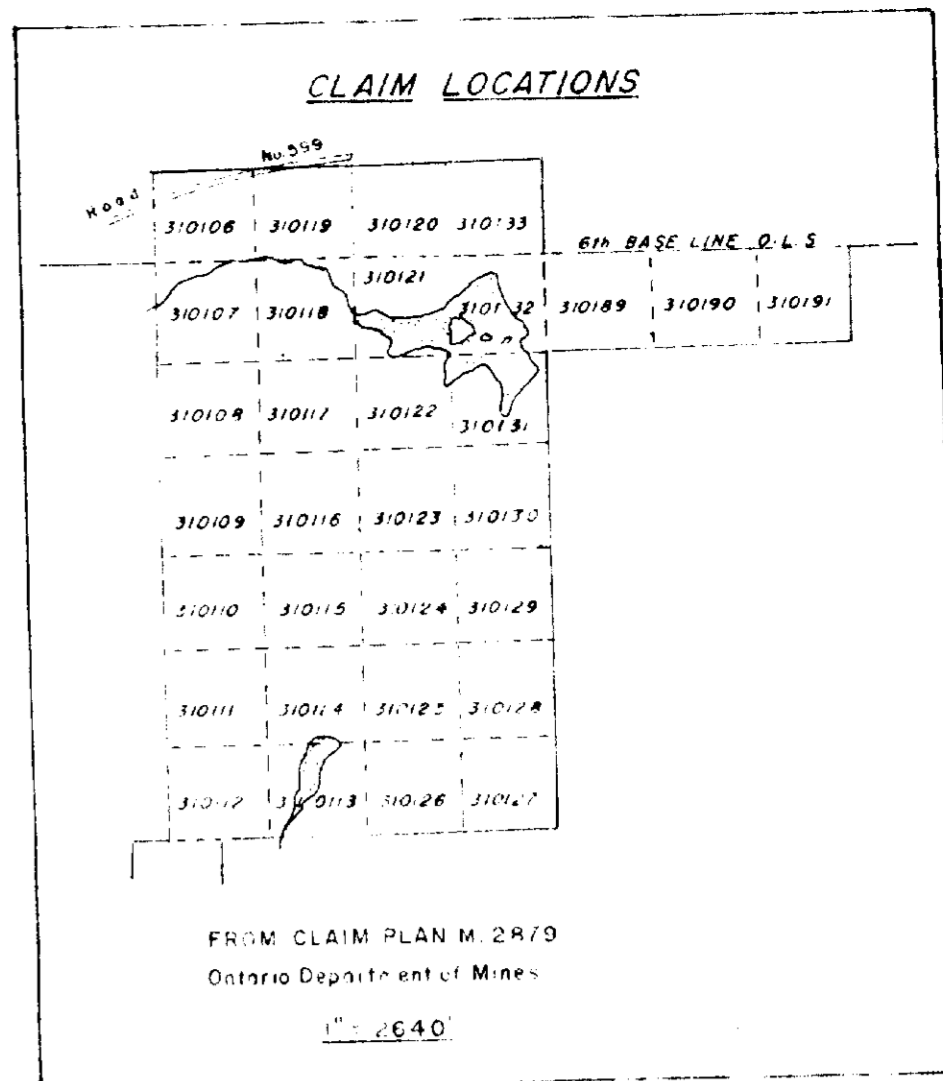
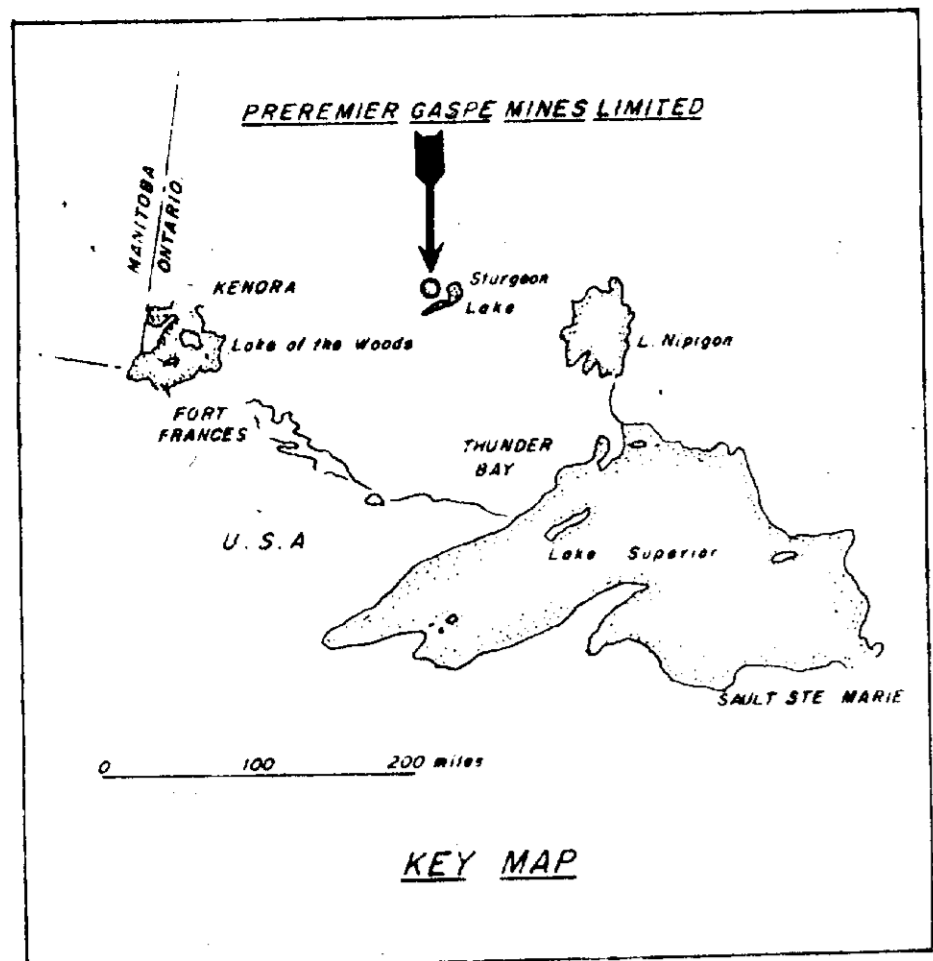
2-1068

PREMIER GASPÉ MINES LIMITED STURGEON LAKE AREA, NORTHWESTERN ONTARIO

SCALE: 1" = 400'

ELECTROMAGNETIC SURVEY

GEONICS-EM.16



LEGEND

- Swamp, low ground
- Creek
- Boundary posts and line
- Claim line and post

ELECTROMAGNETIC SYMBOLS

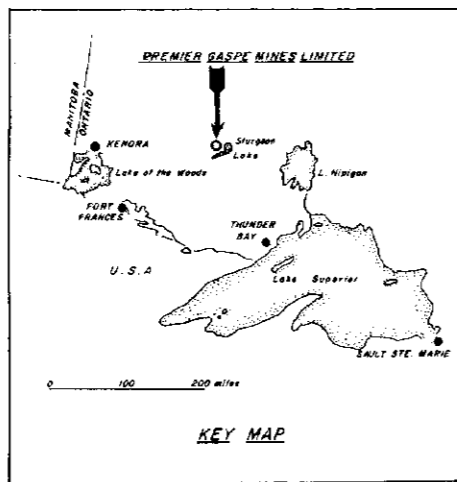
- Electromagnetic readings
- In-Phase right of line
- Quadrature left of line

PROFILES

- Solid line: In-Phase
- Broken line: Quadrature
- Positive values: left of line
- Negative values: right of line
- Scale: 1" = 400'
- Conductor Axis

52J/025W-0034 #2

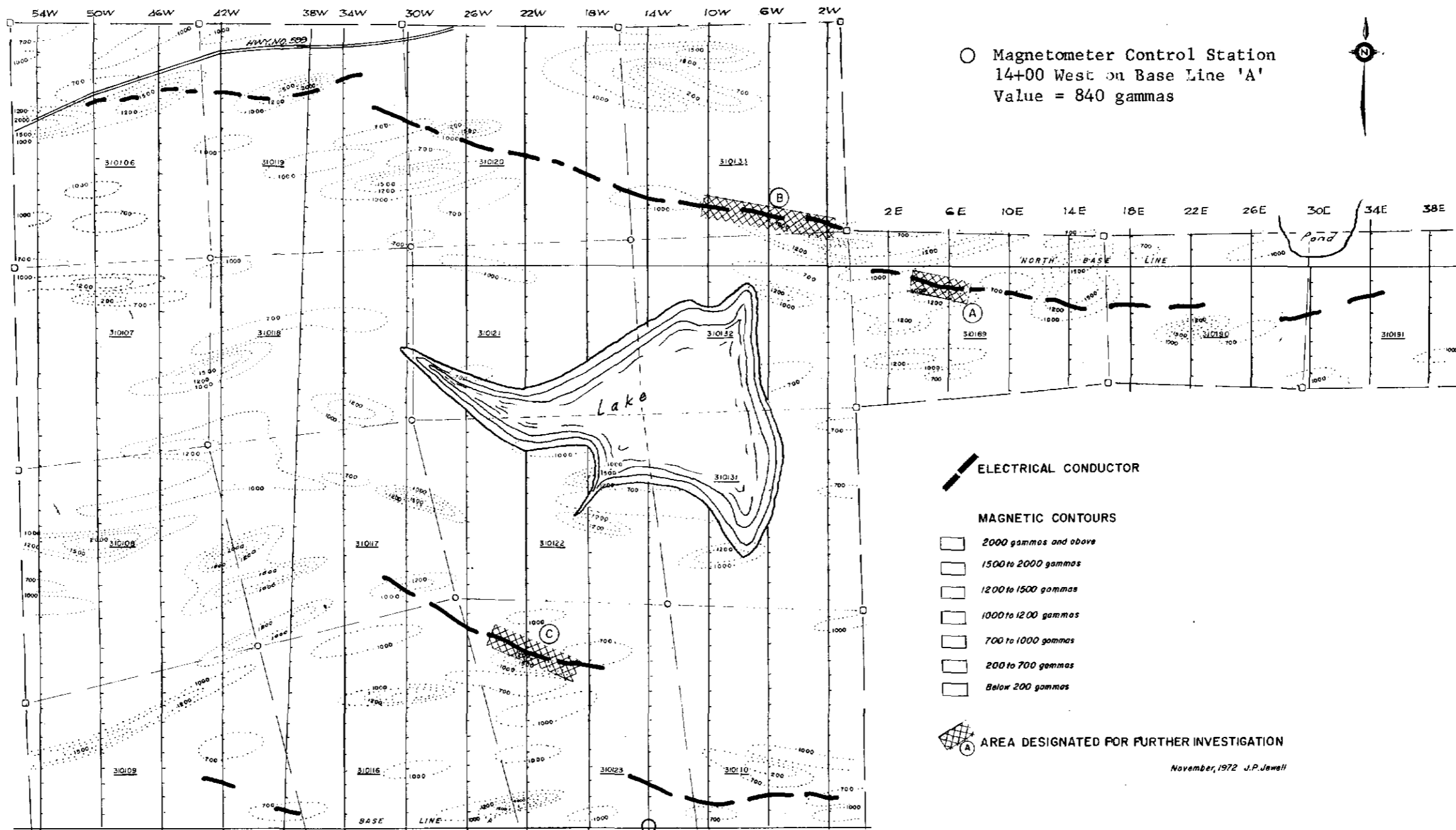
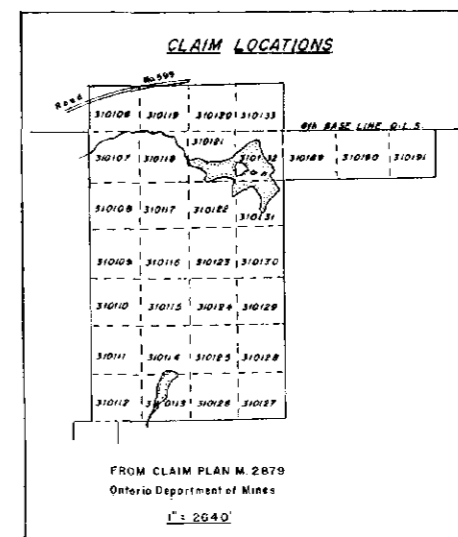
J. J. Smith



NORTH PORTION
PREMIER GASPÉ MINES LIMITED
STURGEON LAKE AREA, NORTHWESTERN ONTARIO.

SCALE: 1" = 800'

GEOPHYSICAL RESULTS



52J/02 SW - 0034 #3

