TEXASGULF CANADA LTD.

REPORT ON GEOPHYSICAL WORK

MATHESON TOWNSHIP

N.T.S.: 42-A-10/9

CLAIM NUMBERS:

Matheson 51:	P 525091	
	P 528330 - 349	
	P 528371 - 373	
	P 528404 - 408	
Matheson 53:	P 528351 - 356	
	P 528359 - 363	
	P 528366 - 369	
Matheson 55:	P 515771 - 774	4
	P 515844 - 845	2
	P 525298 - 299	2
	P 528386 - 387	2
	P 528390 - 395	6
	P 525349 - 351	3
	P 528409 - 412	4
		23 cls
Matheson 45:	P 528379 - 384	6
	P 528417 - 420	4
		10 cls

MAY, 1981

W.A. GASTEIGER

TEXASGULF CANADA LTD.

REPORT ON GEOPHYSICAL WORK

MATHESON TOWNSHIP

N.T.S.: 42-A-10/9

INTRODUCTION:

Geophysical surveys consisting of proton precession magnetometer and horizontal loop electromagnetic traverses were conducted over a total of seventy-seven (77) staked claims in Matheson Township. In addition, these surveys covered two leased claims and one patented half lot.

Because of the early breakup conditions encountered at the time of the surveys, a number of gaps occur in the data, especially where flooded creeks made traverses impossible.

PREVIOUS WORK

Little assessment work has been filed with the regional geologist's office for any of the claims. Some geophysics and diamond drilling were filed by both Dominion Gulf and Hollinger Mines. Dominion Gulf drilled one hole on what presently is the Matheson 53 claim group. Hollinger drilled two additional holes on this claim group and one on the Matheson 55 property.

The Hollinger drilling intersected graphitic material at the contact between sediments and mafic volcanics. The Dominion Gulf hole intersected both mafic and ultramafic volcanics

SURVEY DETAILS

On all four properties, lines were cut North-South at 100 metre intervals with stations established every 20 metres. Magnetic values were recorded at 20 metre intervals using a

Geometrics G-816 Proton Precession magnetometer. An Apex Parametrics Max Min II was used for the horizontal loop work. Values were recorded every 40 metres with 20 metre detail taken in anomalous areas.

SURVEY RESULTS

Matheson 51:

A prominent magnetic high strikes roughly east-west across the north half of the property. This feature is centred at about 800 N at 200 E and at 500 N at 1600 E. This very likely represents an ultramafic horizon. There is a strong possibility that faulting, represented by north-west trends A and B, results in a break in the east-west pattern at line 1200 E. On the west boundary, high magnetic values at the north end of line 0 and similarly high values at the south end of line 100 E are indicative of a north-south trending diabase dike. No definite magnetic patterns can be seen in the remainder of the property.

A conductive zone parallels the east-west trend and is located approximately 200 metres south of the ultramafic horizon. The zone is quite narrow but at places appears to be highly conductive. This zone is shallowest (least overburden cover) at lines 600 E to 800 E. Any testing of this conductor should be done on these lines, keeping in mind that from the E.M. profiles it is likely that the zone dips to the north. This zone very likely represents a graphitic horizon at the contact with mafic volcanics to the north and sediments to the south. Numerous weaker conductive responses have been marked. Although most of them are discontinuous and poorly conducting, they may be significant in indicating additional contacts.

Matheson 53:

A major conductive zone trends east-west through the property. Previous drilling indicates that this conductor is due to graphite at the contact between sediments to the north and mafic

volcanics to the south. At the extreme south-west edges of claims P 528368 and P 528361,high magnetics indicates the presence of the same ultramafic horizon located in Matheson 51. On the Matheson 51 property, however, there is no indication of a highly conductive horizon 500 to 600 metres north of the ultramafics as there is on this property.

Matheson 55:

Only the magnetics for the north part of this property is available at the present time. The magnetics is quite flat and for the most part appears to represent underlying sediments. A small magnetic high at the south-west corner may be due to underlying mafic volcanics.

Again the horizontal loop survey indicates a major conductive trend crossing the north portion of the property. This zone is very likely the continuation of the conductor located on Matheson 51. Previous drilling again indicates that the conductor is due to graphitic material. This conductor stops abruptly at line 700 E. On lines 500 E and 600 E, a second conductor occurs immediately to the south; however, wet conditions made it impossible to trace this zone westward.

On the south part of the property, a conductor runs from 200 S on line 800 W to 300 S on line 500 W before it is lost in the interference from the railway tracks. This zone may be in a stratigraphically similar position to the conductor on the Matheson 51 property.

Matheson 45:

Only magnetic surveys were completed here before breakup. The property is very flat magnetically and is very likely wholly underlain by sediments. The magnetic activity at 500 S on line 600 E may be cultural.

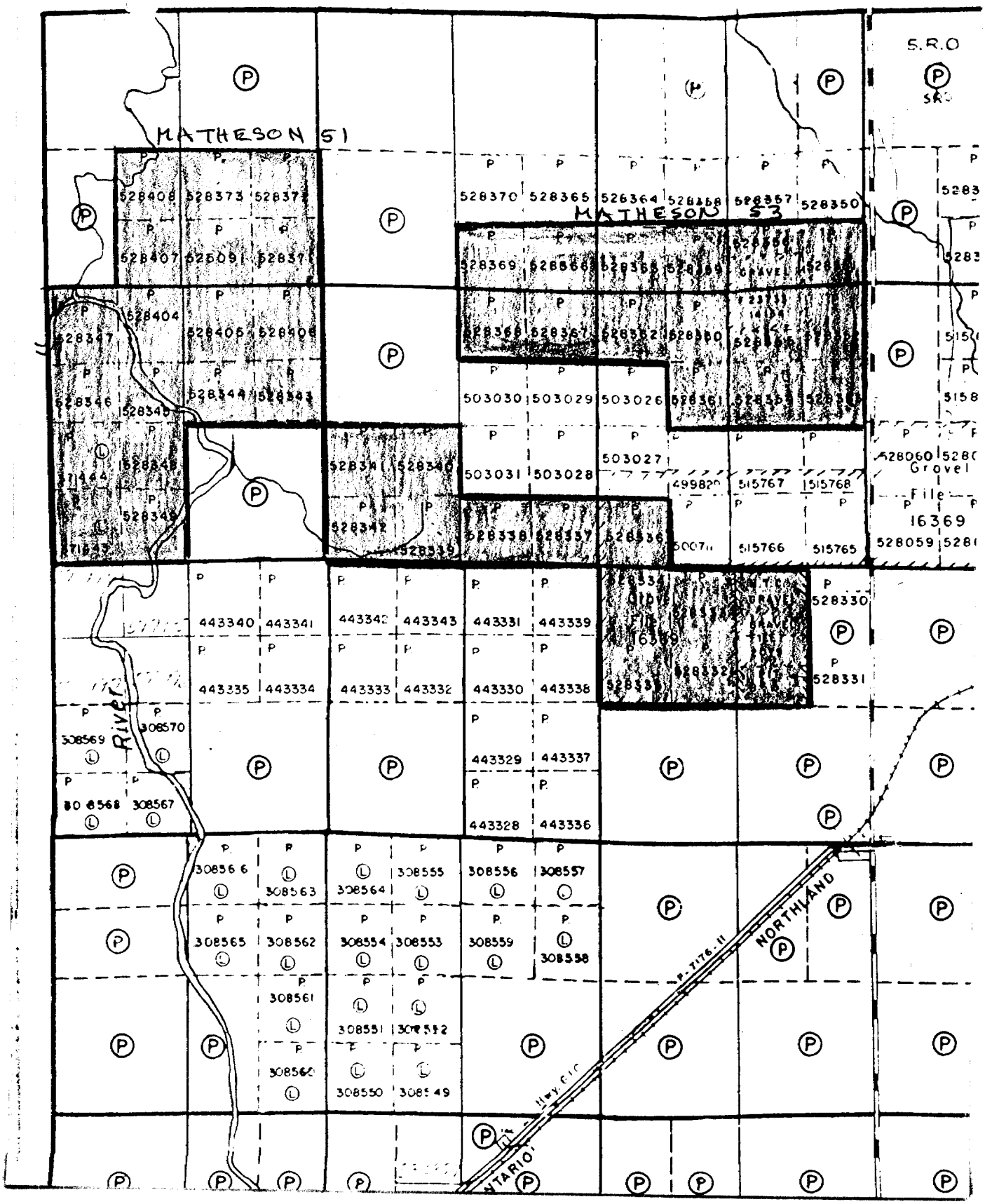
CONCLUSIONS AND RECOMMENDATIONS

Only the Matheson 45 property seems to be of little interest with respect to potential gold mineralization. All the other properties seem to be on or close to zones of mafic and ultramafic volcanics in contact with sediments.

Matheson 51 appears to be particularly interesting and a program of overburden drilling based on a geological interpretation of the geophysical data should be initiated. Basal till and bedrock sampling will help in tracing the source of any gold mineralization as well as define the geology.

W. A. GASTEIGER

Evelyn Twp


MATHESON 51
MATHESON 53
S.R.O
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Gravel
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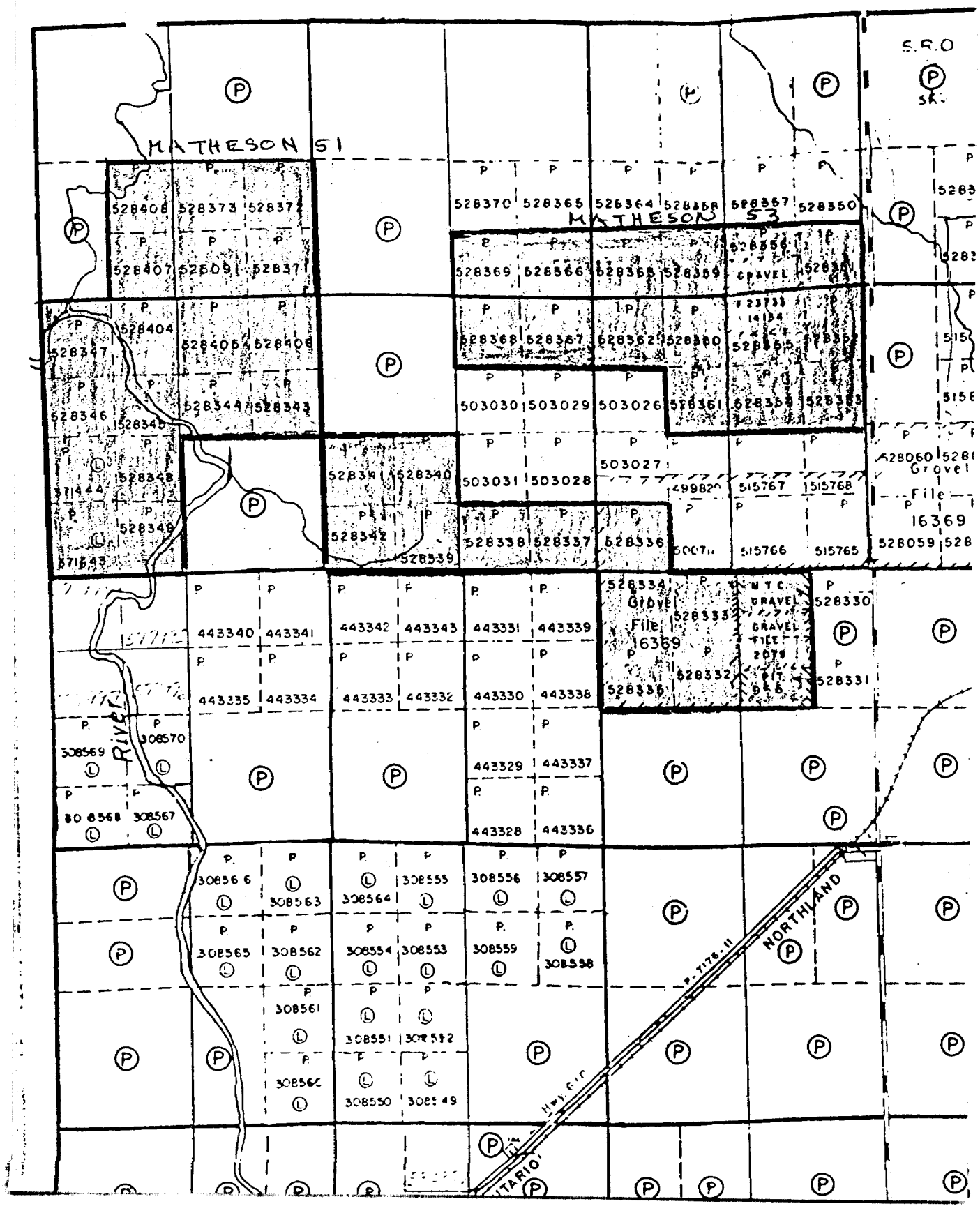
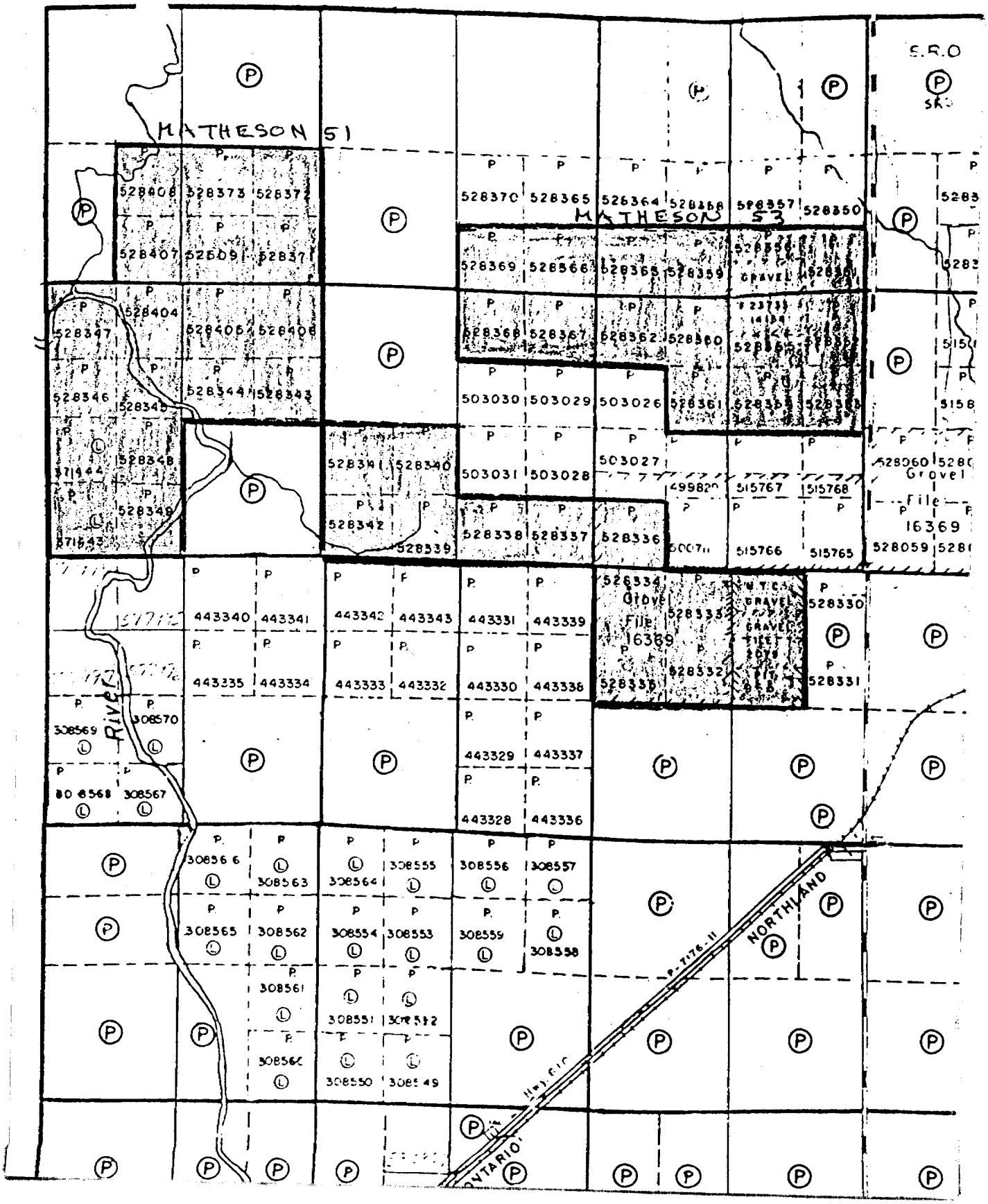
NORTHLAND
P-7176-11
Hwy 61C
ONTARIO

Evelyn Twp


MATHESON 51
MATHESON 53
S.R.O
GRAVEL
File 16369
NORTHLAND
Hwy 655
ONTARIO
River

Evelyn Twp


MATHESON 51
MATHESON 53
S.R.O
River
NORTHLAND
Hwy 655
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Grave
File
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Ontario

Ministry

GEOPHYSICAL – (
TECHNICA

Fil

42A10SW0091 2.3906 MATHESON

900

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 MATHESON

Claim Holder(s) TEXASGULF CANADA LTD.
P.O. BOX 1140, TIMMINS, ONTARIO

Survey Company SAME AS ABOVE

Author of Report W.A. GASTEIGER

Address of Author AS ABOVE

Covering Dates of Survey FEBRUARY /81 - MAY /81
(linecutting to office)

Total Miles of Line Cut 40 MILES

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

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

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: May 27th, 1981 SIGNATURE: W.A. Gasteiger
Author of Report or Agent

Res. Geol. _____ Qualifications 2.1798

Previous Surveys

File No.	Type	Date	Claim Holder

MATHESON 51

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
P	525091
P	528330
P	528331
P	528332
P	528333
P	528334
P	528335
P	528336
P	528337
P	528338
P	528339
P	528340
P	528341
P	528342
P	528343
P	528344
P	528345
P	528346
P	528347
P	528348
P	528349

List Continued attached

TOTAL CLAIMS 29

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: Mag. 2479 / E.M. 998 — Number of Readings: Mag. 2479 / E.M. 998

Station interval: Mag. 40 metres / E.M. 20 metres — Line spacing: 100 metres

Profile scale: 1 cm = 20%

Contour interval: 100 gammas

MAGNETIC

Instrument: Geometrics G-816 Proton Precession Magnetometer

Accuracy – Scale constant: ± 1 gamma

Diurnal correction method: Base line corrected by looping along base line at

Base Station check-in interval (hours): 100 metre intervals. Line loops subsequently

Base Station location and value: corrected to base line values. Base station at 0 on base line 0 = 59563

ELECTROMAGNETIC

Instrument: APEX PARAMETRICS MAX-MIN II

Coil configuration: COPLANAR

Coil separation: 160 METRES

Accuracy: ± 1%

Method: ☐ Fixed transmitter ☐ Shoot back ☒ In line ☐ Parallel line

Frequency: 1777 Hz (specify V.L.F. station)

Parameters measured: In phase and quadrature component of the secondary field as a percentage of the primary transmitted 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:

MINING CLAIMS TRAVERSED

List Continued.....

P 528371

P 528372

P 528373

P 528404

P 528405

P 528406

P 528407

P 528408

Ontario

Ministry of Natural Resources

File _____

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 MATHESON

Claim Holder(s) TEXASGULF CANADA LTD.

~~P.O. BOX 1140, Timmins, Ontario~~

Survey Company SAME AS ABOVE

Author of Report W.A. GASTEIGER

Address of Author AS ABOVE

Covering Dates of Survey FEBRUARY /81 - MAY /81
(linecutting to office)

Total Miles of Line Cut 16 MILES

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	20
–Magnetometer	40
–Radiometric	
–Other	
Geological	
Geochemical	

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

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: May 27th, 1981 SIGNATURE: W.A. Gasteiger
Author of Report or Agent

Res. Geol. _____ Qualifications _____

Previous Surveys

File No.	Type	Date	Claim Holder

MATHESON 53

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
P	528351
P	528352
P	528353
P	528354
P	528355
P	528356
P	528359
P	528360
P	528361
P	528362
P	528363
P	528366
P	528367
P	528368
P	528369

TOTAL CLAIMS 15

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: Mag: 1177 / E.M.: 560 — Number of Readings: Mag.: 1177 / E.M.: 560

Station interval: Mag. 20 metres / ~~E.M. 40 metres~~ — Line spacing: 100 metres

Profile scale: 1 cm = 20%

Contour interval: 100 gammas

MAGNETIC

Instrument: Geometrics G-816 Proton Magnetometer

Accuracy -- Scale constant: ± 1 gamma

Diurnal correction method: Base line corrected by looping along base line at

Base Station check-in interval (hours): 100 metre intervals. Line loops subsequently

Base Station location and value: corrected to base line values. Base station at 0 on base line 0 = 59387

ELECTROMAGNETIC

Instrument: APEX PARAMETRICS MAX-MIN II

Coil configuration: COPLANAR

Coil separation: 160 METRES

Accuracy: ± 1%

Method: ☐ Fixed transmitter ☐ Shoot back ☒ In line ☐ Parallel line

Frequency: 1777 Hz
(specify V.L.F. station)

Parameters measured: In phase and quadrature component of the secondary field as a percentage of the primary transmitted 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:

Ontario

Ministry of Natural Resources

File _____

GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL TECHNICAL DATA STATEMENT

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TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) GEOPHYSICAL

Township or Area MATHESON

Claim Holder(s) TEXASGULF CANADA LTD.
P.O. BOX 1140, TIMMINS, ONTARIO

Survey Company SAME AS ABOVE

Author of Report W.A. GASTEIGER

Address of Author AS ABOVE

Covering Dates of Survey FEBRUARY /81 - MAY /81
(linecutting to office)

Total Miles of Line Cut 27 MILES

SPECIAL PROVISIONS CREDITS REQUESTED

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

ENTER 20 days for each additional survey using same grid.

Geophysical	DAYS per claim
–Electromagnetic	40
–Magnetometer	20
–Radiometric	
–Other	
Geological	
Geochemical	

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

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: May 27th, 1981 SIGNATURE: W.A. Gasteiger
Author of Report or Agent

Res. Geol. _____ Qualifications _____

Previous Surveys

File No.	Type	Date	Claim Holder

MATHESON 55

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
P	515771
P	515772
P	515773
P	515774
P	515844
P	515845
P	525298
P	525299
P	528386
P	528387
P	528390
P	528391
P	528392
P	528393
P	528394
P	528395
P	525349
P	525350
P	525351
P	528409
P	528410
P	528411
P	528412

TOTAL CLAIMS 23

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 Mag.: 1155 E.M.: 760 Number of Readings Mag.: 1155 E.M.: 760

Station interval Mag.: 20 metres E.M.: 40 metres Line spacing 100 Metres

Profile scale 1 cm = 20%

Contour interval 50 gammas

MAGNETIC

Instrument Geometrics G-816 Proton Magnetometer

Accuracy -- Scale constant ± 1 gamma

Diurnal correction method Base line corrected by looping along base line at

Base Station check-in interval (hours) 100 metre intervals. Line loops subsequently

Base Station location and value corrected to base line values. Base station at 1200 W on 800 N tie line = 59486

ELECTROMAGNETIC

Instrument APEX PARAMETRICS MAX-MIN II

Coil configuration COPLANAR

Coil separation 160 METRES

Accuracy ± 1%

Method: ☐ Fixed transmitter ☐ Shoot back ☒ In line ☐ Parallel line

Frequency 1777 Hz (specify V.L.F. station)

Parameters measured In phase and quadrature component of the secondary field as a percentage of the primary transmitted 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

Ontario

Ministry of Natural Resources

File _____

GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL TECHNICAL DATA STATEMENT

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TECHNICAL REPORT MUST CONTAIN INTERPRETATION, CONCLUSIONS ETC.

Type of Survey(s) GEOPHYSICAL

Township or Area MATHESON

Claim Holder(s) TEXASGULF CANADA LTD.
P.O. BOX 1140, TIMMINS, ONTARIO

Survey Company SAME AS ABOVE

Author of Report W.A. GASTEIGER

Address of Author AS ABOVE

Covering Dates of Survey FEBRUARY /81 - MAY /81
(linecutting to office)

Total Miles of Line Cut 11.5 MILES

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	
–Magnetometer	40
–Radiometric	
–Other	
Geological	
Geochemical	

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

Magnetometer _____ Electromagnetic _____ Radiometric _____
(enter days per claim)

DATE: May 27th, 1981 SIGNATURE: W.A. Gasteiger
Author of Report or Agent

Res. Geol. _____ Qualifications _____

Previous Surveys

File No.	Type	Date	Claim Holder

MATHESON 45

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
P	528379
P	528380
P	528381
P	528382
P	528383
P	528384
P	528417
P	528418
P	528419
P	528420

TOTAL CLAIMS 10

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

[redacted]

Number of Stations Mag.: 657 Number of Readings Mag. 657

Station interval 20 metres Line spacing 100 metres

Profile scale

Contour interval 50 gammas

MAGNETIC

Instrument Geometrics G-816 Proton Magnetometer

Accuracy – Scale constant ± 1 gamma

Diurnal correction method Base line corrected by looping along base line at

Base Station check-in interval (hours) 100 metre intervals. Line loops subsequently

Base Station location and value corrected to base line values. Base station at 700 E on base line 0 = 59371

ELECTROMAGNETIC

Instrument

Coil configuration

Coil separation

Accuracy

Method: ☐ Fixed transmitter ☐ Shoot back ☐ In line ☐ Parallel line

Frequency (specify V.L.F. station)

Parameters measured

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

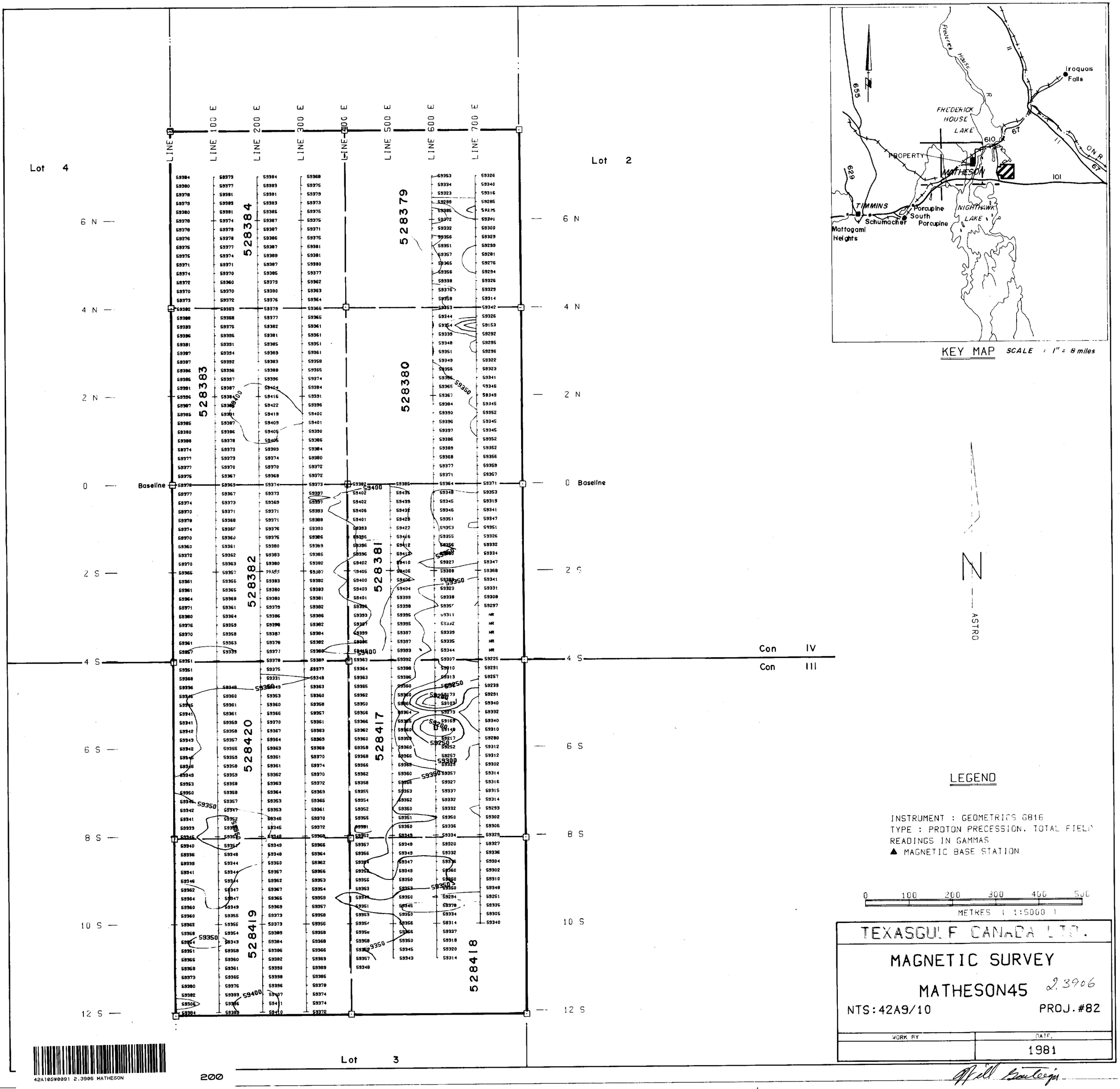
– Integration time

Power

Electrode array

Electrode spacing

Type of electrode



KEY MAP SCALE : 1" = 8 miles

N — ASTRO

LEGEND

INSTRUMENT : GEOMETRICS G816
TYPE : PROTON PRECESSION, TOTAL FIELD
READINGS IN GAMMAS
▲ MAGNETIC BASE STATION

0 100 200 300 400 500
METRES (1:5000)

TEXASGULF CANADA LTD.

MAGNETIC SURVEY

MATHESON45 2.3906

NTS: 42A9/10 PROJ.#82

WORK BY	DATE
	1981

42A10SW0091 2.3906 MATHESON

200

HOYLE Twp.

MATHESON Twp.

HOYLE Twp.

MATHESON Twp.

Lot 12

Lot 11

Lot 10

Lot 9

Lot 8

Lot 7

Lot 10

Lot 9

SBL 8 S

SBL 8 N

TL 16 S

TL 16 N

Baseline 00

Con V

Con IV

Con VI

Con V

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LINE 200 E

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LINE 400 E

LINE 500 E

LINE 600 E

LINE 700 E

LINE 800 E

LINE 900 E

LINE 1000 E

LINE 1100 E

LINE 1200 E

LINE 1300 E

LINE 1400 E

LINE 1500 E

LINE 1600 E

LINE 1700 E

LINE 1800 E

LINE 1900 E

LINE 2000 E

LINE 2100 E

LINE 2200 E

LINE 2300 E

LINE 2400 E

LINE 2500 E

LINE 2600 E

LINE 2700 E

LINE 2800 E

LINE 2900 E

LINE 3000 E

LINE 3100 E

LINE 3200 E

LINE 3300 E

LINE 3400 E

LINE 3500 E

LINE 3600 E

LINE 3700 E

LINE 3900 E

LINE 4000 E

LINE 4100 E

LINE 4200 E

LINE 4300 E

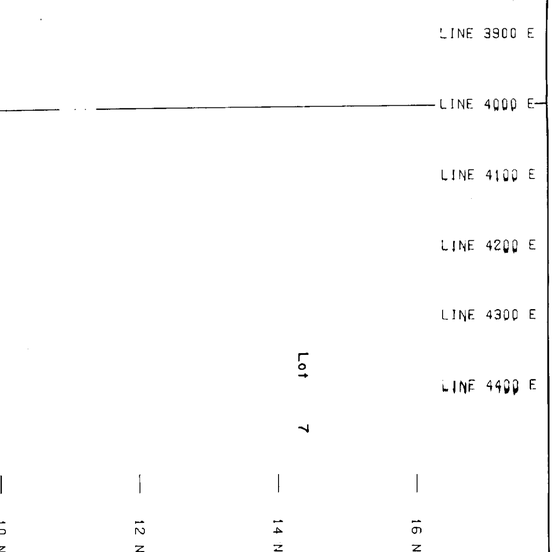
LINE 4400 E

A

B

KEY MAP

SCALE 1" = 8 miles



LEGEND

INSTRUMENT : GEOMETRICS G816
TYPE : PROTON PRECESSION. TOTAL FIELD
READINGS IN GAMMAS
▲ MAGNETIC BASE STATION

0 100 200 300 400 500
METRES (1:5000)

ASTRO N

TEXASGULF CANADA LTD.

MAGNETIC SURVEY

MATHESON 51

NTS: 42-A-9/10

PROJ.#82

WORK BY	DATE
	1981

Mell Geophysics Ltd. 1981

42A10NW0091 2.3986 MATHESON

210

TEXASGULF CANADA LTD.

HORIZONTAL LOOP SURVEY

MATHESON S1

J.3906

DRAWN BY	DATE
	1981

METRES (1:5000)

0 100 200 300 400 500

← + READINGS − READINGS →

INSTRUMENT : APEX PARAMETRICS MAXMIN II
FREQUENCY : 1777 Hz
COIL SPACING : 160 METERS
PROFILE SCALE : 1 : CM= 20X

LEGEND

1777 Hz
IN-PHASE READINGS
QUADRATURE READINGS

KEY MAP SCALE : 1" = 8 miles

HOYLE Twp.

MATHESON Twp.

Con V / Con IV

Baseline 00

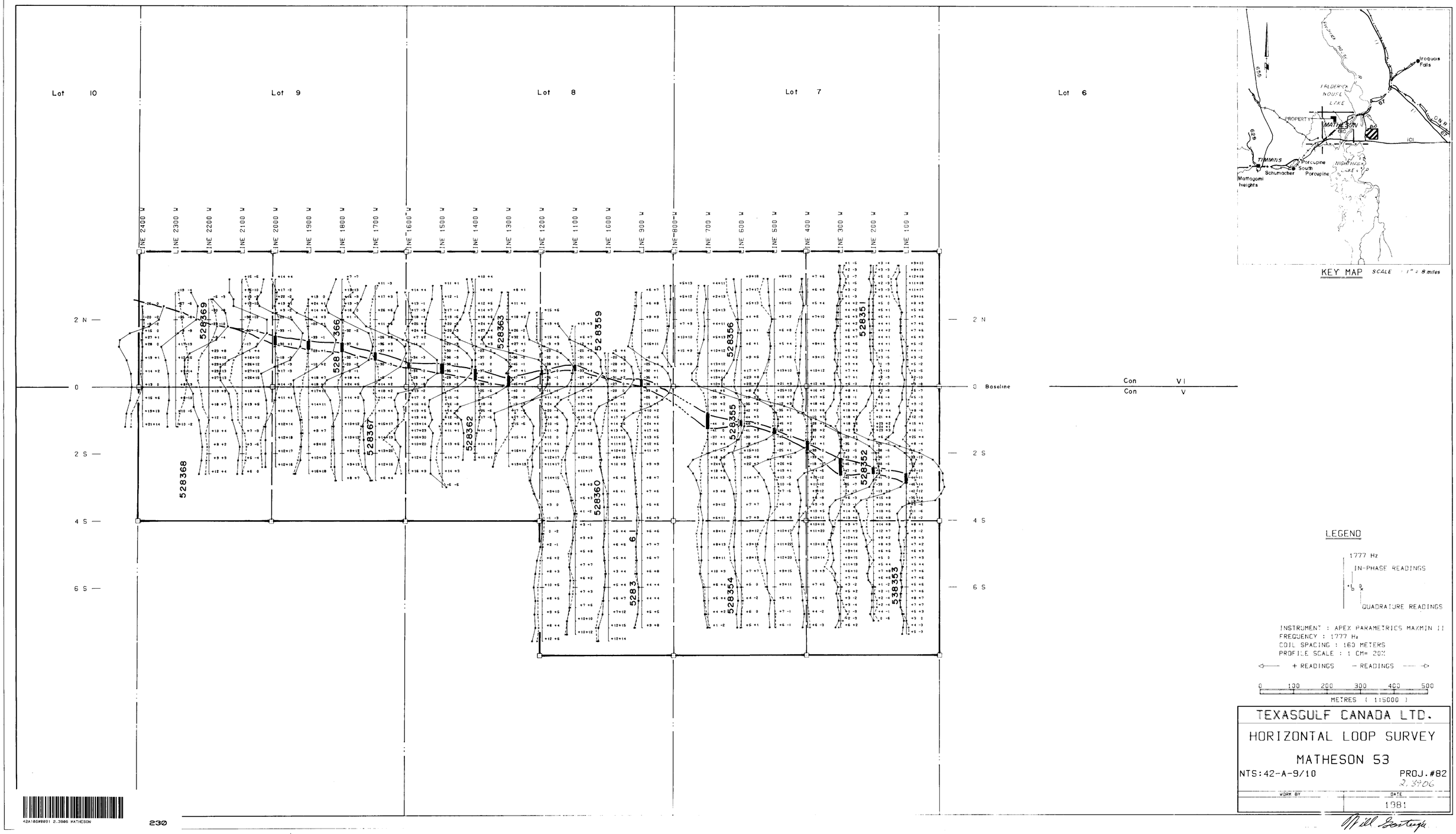
Lot 7 Lot 8 Lot 9 Lot 10 Lot 11 Lot 12

8 S 6 S 4 S 2 S 0 2 N 4 N 6 N 8 N 10 N 12 N 14 N 16 N

L1NE 4400 E L1NE 4300 E L1NE 4200 E L1NE 4100 E L1NE 4000 E L1NE 3900 E L1NE 3800 E L1NE 3700 E L1NE 3600 E L1NE 3500 E L1NE 3400 E L1NE 3300 E L1NE 3200 E L1NE 3100 E L1NE 3000 E L1NE 2900 E L1NE 2800 E L1NE 2700 E L1NE 2600 E L1NE 2500 E L1NE 2400 E L1NE 2300 E L1NE 2200 E L1NE 2100 E L1NE 2000 E L1NE 1900 E L1NE 1800 E L1NE 1700 E L1NE 1600 E L1NE 1500 E L1NE 1400 E L1NE 1300 E L1NE 1200 E L1NE 1100 E L1NE 1000 E L1NE 900 E L1NE 800 E L1NE 700 E L1NE 600 E L1NE 500 E L1NE 400 E L1NE 300 E L1NE 200 E L1NE 100 E L1NE 0

528331 528332 528333 528334 528335 528336 528337 528338 528339 528340 528341 528342 528343 528344 528345 528346 528347 528348 528349 528371 528372 528373 528405 528406 528407 528408 371443 371444

220



KEY MAP SCALE : 1" = 8 miles

LEGEND

1777 Hz
IN-PHASE READINGS
QUADRATURE READINGS

INSTRUMENT : APEX PARAMETRICS MAXMIN II
FREQUENCY : 1777 Hz
COIL SPACING : 160 METERS
PROFILE SCALE : 1 CM= 20%

← + READINGS − READINGS →

0 100 200 300 400 500
METRES (1:5000)

TEXASGULF CANADA LTD.

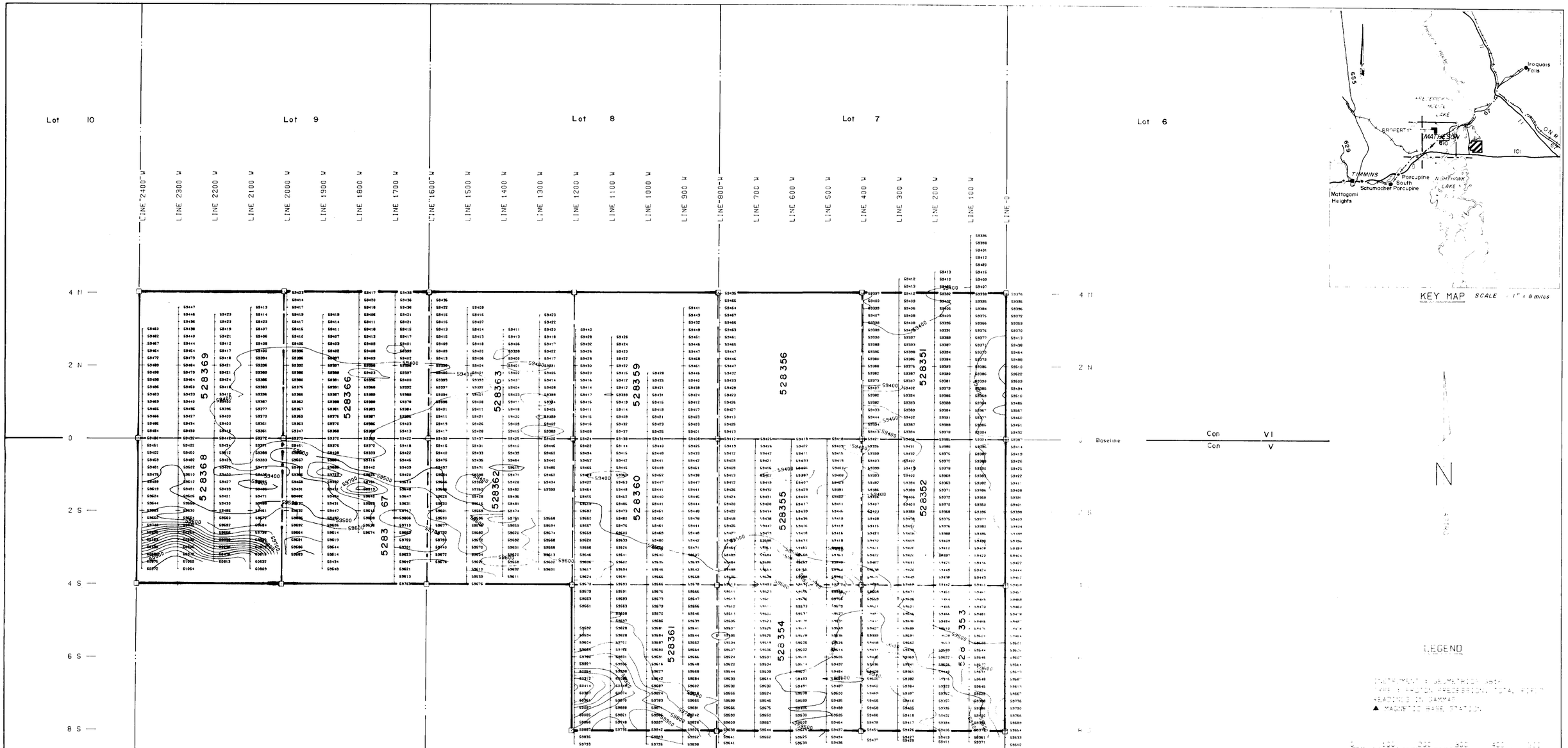
HORIZONTAL LOOP SURVEY

MATHESON 53

NTS:42-A-9/10 PROJ.#82
2.3906

WORK BY

DATE
1981



KEY MAP SCALE 1" = 8 miles

LEGEND

EQUIPMENT : GEOMETRICS 1804
TYPE : PROTON PRECESSION, TOTAL FIELD
READING IN GAMMAS
▲ MAGNETIC BASE STATION

METRES 1:5000

TEXASGULF CANADA LTD.

MAGNETIC SURVEY

MATHESON 53

NTS: 42-A-9/10 PROJ.# 82

2,3906

DRAWN BY DATE

1981

42A10SW0091 2.3906 MATHESON

240

LINE 1200 W | LINE 1100 W | LINE 1000 W | LINE 900 W | LINE 800 W | LINE 700 W | LINE 600 W | LINE 500 W | LINE 400 W | LINE 300 W | LINE 200 W | LINE 100 W | LINE 0 | LINE 100 E | LINE 200 E | LINE 300 E | LINE 500 E | LINE 600 E | LINE 700 E | LINE 800 E

TL 20 N — 18 N — 16 N — 14 N — 12 N — 10 N — 8 N — 6 N — 4 N — 2 N — 0 — 2 S — 4 S — 6 S — 8 S — 10 S — 12 S — 14 S

528390 | 528387 | 528386 | 528398 | 528399

515844 | 515774 | 515771 | 528395 | 528392

515845 | 515773 | 515772 | 528394 | 528393

Lot 6 | Lot 5 | Lot 4 | Lot 3

Baseline 00 | Baseline 00 | Con V / Con IV

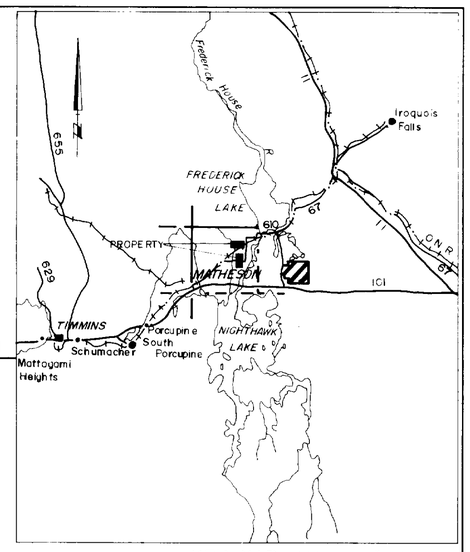
528409 | 528410

528412 | 528411

528391 | 525349

525351 | 525350

TL 8S | TL 8S



KEY MAP SCALE : 1" = 8 miles

ASTRO

LEGEND

1777 Hz
IN-PHASE READINGS
QUADRATURE READINGS

INSTRUMENT : APEX PARAMETRICS MAXMIN II
FREQUENCY : 1777 Hz
COIL SPACING : 160 METERS
PROFILE SCALE : 1 CM= 20%

← + READINGS — READINGS →

0 100 200 300 400 500
METRES (1:5000)

TEXASGULF CANADA LTD.

HORIZONTAL LOOP SURVEY

MATHESON 55

NTS: 42-A-9/10 PROJ.#82

WORK BY	DATE
	1981

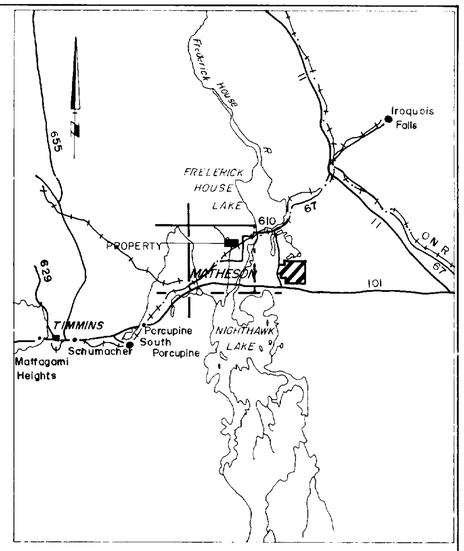
Lot 6 | Lot 5 | Lot 4 | Lot 3

LINE 1200 W | LINE 1100 W | LINE 1000 W | LINE 900 W | LINE 800 W | LINE 700 W | LINE 600 W | LINE 500 W | LINE 400 W | LINE 300 W | LINE 200 W | LINE 100 W | LINE 0 | LINE 100 E | LINE 200 E | LINE 300 E | LINE 400 E | LINE 500 E | LINE 600 E | LINE 700 E | LINE 800 E

20 N — TL 20N — 18 N — 16 N — 14 N — 12 N — 10 N — 8 N — TL 8N

528390 | 528387 | 528386 | 528398 | 528399 | 515844 | 515774 | 515771 | 528395 | 528392 | 515773 | 515772 | 528394 | 528393 | 515845

Con VI / Con V



KEY MAP SCALE : 1" = 8 miles

N

ASTRO

LEGEND

INSTRUMENT : GEOMETRICS G816
TYPE : PROTON PRECESSION, TOTAL FIELD
READINGS IN GAMMAS
▲ MAGNETIC BASE STATION

0 100 200 300 400 500
METRES (1:5000)

TEXASGULF CANADA LTD.

MAGNETIC SURVEY

MATHESON 55

NTS: 42A9/10 PROJ #82

WORK BY	DATE.
	1981

42A10SW2091 2.3906 MATHESON

Neil Sarteaja

LINE 1200 W
LINE 1100 W
LINE 1000 W
LINE 900 W
LINE 800 W
LINE 700 W
LINE 600 W
LINE 500 W
LINE 400 W
LINE 300 W
LINE 200 W
LINE 100 W
LINE 0
LINE 100 E
LINE 200 E
LINE 300 E
LINE 400 E
LINE 500 E
LINE 600 E
LINE 700 E
LINE 800 E

20 N — TL 20 N
18 N —
16 N —
14 N —
12 N —
10 N —
8 N — TL 8 N
6 N —
4 N —
2 N —
0 — Baseline 00
2 S —
4 S —
6 S —
8 S — TL 8 S
10 S —
12 S —
14 S —
16 S — TL 16 S

Lot 6
Lot 5
Lot 4
Lot 3

Con VI
Con V
Con IV
Con III

528390
528387
528386
528399
515844
515774
515771
528398
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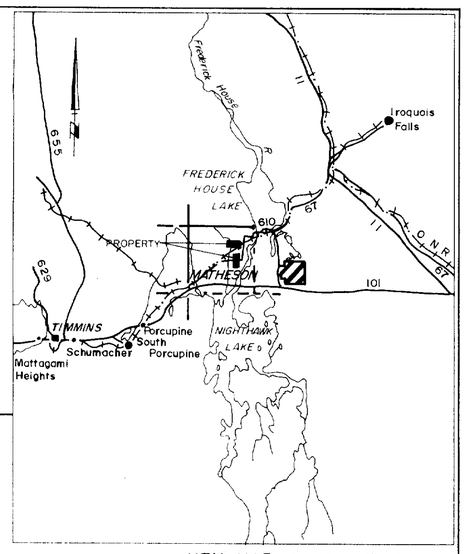

KEY MAP SCALE : 1" = 8 miles

N
ASTRO

LEGEND

INSTRUMENT : GEOMETRICS G816
TYPE : PROTON PRECESSION. TOTAL FIELD
READINGS IN GAMMAS
▲ MAGNETIC BASE STATION

0 100 200 300 400 500
METRES (1:5000)

TEXASGULF CANADA LTD.

MAGNETIC SURVEY

MATHESON 55

WORK BY	DATE
	1981

Will Gartley