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MINING LANDS SECTION

REPORT

ON

MAXMIN II ELECTROMAGNETIC AND MAGNETOMETER SURVEYS

LITTLE A - 9, 10

LITTLE TOWNSHIP

PORCUPINE MINING DIVISION   TIMMINS AREA, ONTARIO

for

NORCEN ENERGY RESOURCES LIMITED

Toronto, Ontario, Canada
May, 1980

W. E. Brereton, P.Eng.
M P H CONSULTING LIMITED

1. INTRODUCTION

This report outlines the results of ground geophysical surveys carried out on grid A-9, 10, Little township during the period February to April 1980 on behalf of Norcen Energy Resources Limited.

Technical Data Statements pertaining to this work are presented in Appendix II.

2. LOCATION

The property consists of 13 contiguous unpatented mining claims in west-central Little township approximately 35 km northeast of Timmins. The claims are numbered P515736 to 737, 515739 to 741, 515750 to 752, 521881, 517240 to 243 and occupy the W 1/2 of N 1/2, Lot 9, Con. 3, all of Lot 10, Con. 3 except SE 1/4 of S 1/2 and S 1/2 Lot 11, Con. 3 except SE 1/4 of S 1/2 and S 1/2 Lot 11, Con. 3 (see Indèx Map - geophysical sheets).

3. ACCESS

The road known locally as the Ice Chest Road transects the west portion of the claim group approximately 5 miles southwest of the Fredrickhouse River Dam. Easiest access to the Ice Chest Road is off highway 610 approximately half way between Hoyle and Connaught.

4. LINECUTTING

Two east-west baselines were established, one extending 1.6 km east from post 4, claim P517242 and a second extending 1.2 km east from post 4, claim P515751. North-south crosslines were cut at 125m intervals. Additional east-west lines were cut parallel to the baselines at 1000N, 700N, 600N, 475N, 350N. Baselines and all crosslines were chained and picketed at 25m intervals. A total of approximately 29km of line was cut, chained and picketed.

5. TOPOGRAPHY

The property is essentially a low swampy plain traversed by two low, rounded north-south sandy ridges, one along the east side of the property and the other along the Ice Chest Road in the west. The ridges support stands of mature, open jackpine and represent eskers which have been worn down by wave action of glacial lake Barlow-Ojibway. Several small kettles were noted during the field work.

There is no appreciable relief in general although up to 5m or more of abrupt relief may be encountered along creeks and associated with the west esker.

6. GEOPHYSICAL SURVEYS

Electromagnetic Survey

Electromagnetic surveying was carried out with a MaxMin II EM unit. A 200m cable was used for routine coverage at operating frequencies of 444 Hz and 1777 Hz. Technical and operational aspects of the MaxMin II are presented in Appendix I.

The results of the EM surveying are shown on the prints accompanying this report. Map 1 presents the low frequency data and Map 2 the high frequency results.

Four conductors were located by the surveying - 'A', 'B', 'C' and 'D'.

'A' has a strike length of less than 125m and is centred at 50N on line 125E. The conductor dips north at 70° and is indicated to be covered by at best 60m of glacial overburden. There is a distinct 20 gamma magnetic correlation with the conductor on line 125E. Inphase to quadrature ratios at 444 Hz indicates low conductivity.

Conductor 'B' strikes east-west and is approximately 375m long and is located near the north ends of lines 375E to 625E. Dip is approximately vertical with 70m to 80m of overburden cover. Conductivitiy is moderate. There is no direct magnetic correlation.

'C' strikes north-south in the region of line 500E and is detectable on cross lines 350N through to 1000N for a strike length of at least 650m. A steep east dip is indicated in the area of line 600N with depths to conductor axis of approximately 50m. Conductivity is low. There is no direct magnetic correlation.

Conductor 'D' is a very weak feature extending from lines 250E to 1000E south of the south baseline.

Magnetic Survey

A Geometrics G-816 proton precession magnetometer was employed for the magnetic surveying. Correction for diurnal variations were made using a Barringer Research BM-123 base station recorder. Details of the magnetic method and technical specifications of the instruments employed are presented in Appendix I.

There is no appreciable magnetic relief on the property.

In accord with EM results, magnetically-inferred bedrock strikes appear to swing from east-west in the west portion of the grid to more north-south over the east portion. (See Map 3).

7. CONCLUSIONS AND RECOMMENDATIONS

The short strike length and weak but definite magnetic correlation suggest that conductor 'A' may be reflective of a sulphide concentration.

Conductors 'B', and 'D' are probably representative of graphitic units with the shorter strike length of 'B' making this feature somewhat more interesting.

The possibility remains that 'C' is a conductive zone of shearing which is cross-cutting stratigraphy. If stratiform, 'C' is undoubtedly a graphitic unit.

The grid area is inferred to be underlain predominantly by felsic metavolcanics and sediments considering the magnetic data.

None of the conductors located appears to have been drill tested in the past. Conductor 'A', 'B' and 'C' are recommended for drill tests as follows:

Conductor	Collar	Dip	Azimuth	Length
A	87.5N, 125E	-60	180°	150m
B	225 N, 500E	-60	360°	170m
C	600 N, 1537.5E	-60	270°	150m

Further work will be contingent on the results of the above.

Respectfully submitted,

W E Brereton

WEB:g

W. E. Brereton, P.Eng.

REPORT ON MAXMIN II ELECTROMAGNETIC AND MAGNETOMETER SURVEYS

LITTLE A-14

LITTLE TOWNSHIP

PORCUPINE MINING DIVISION   TIMMINS AREA, ONTARIO

for

NORCEN ENERGY RESOURCES LIMITED

Toronto, Ontario, Canada
May, 1980

W. E. Brereton, P.Eng.
M P H CONSULTING LIMITED

1. INTRODUCTION

This report outlines results of ground geophysical surveys carried on grid A-14, Little township, in the period February to April, 1980 on behalf of Norcen Energy Resources Ltd. Technical Data Statements pertaining to this work are presented in Appendix II.

2. LOCATION

The property consists of 13 contiguous unpatented mining claims in the northeast portion of Little township, approximately 44 km northeast of Timmins. The claims are numbered P521829, 832 to 836 incl., 845 to 850 incl., 869 and occupy the E 1/2 of S 1/2 Lot 5, Con. 6, S 1/2, Lot 4, Con. 6 and N 1/2 of N 1/2 Lot 4, Con. 5 and S 1/2 and SW 1/4 of N 1/2, Lot 3 Con. 6. (see Index Map - geophysical sheets).

3. ACCESS

Easiest access to northeast Little is afforded via bush roads which extend off the west end of the Dam Road from the settlement of Nellie Lake on highway 11 northeast of Timmins.

A bush road which turns north on crossing the Little-McCart boundary leads to the southeast end of the baseline.

4. LINECUTTING

A 1.375 km baseline was established at a bearing azimuth of 130° extending northwest from the southeast corner of Lot 2, Con. 6. A 0.625 km sub baseline was cut parallel to the main baseline extending northwest from 675S on line 1375E. Crosslines were cut at 125m intervals. The baselines and all crosslines were chained at 25 m intervals. A total of approximately 23 km of line was cut, chained and picketed.

5. TOPOGRAPHY

The property is covered mainly by low, swampy ground. There is no appreciable relief.

6. GEOPHYSICAL SURVEYS

Electromagnetic Survey

Electromagnetic surveying was carried out with a MaxMin II

EM unit. A 150m cable was used for routine coverage at operating frequencies of 444 Hz and 1777 Hz. Technical and operational details of the MaxMin II are presented in Appendix I.

The results of the EM surveying are shown in the prints accompaying this report. Map 1 presents the low frequency data and Map 2 the high frequency results.

Four conductors were located numbered 'A', 'B' 'C' and 'D'.

'A' extends from line 125W to line 1250W and is open at both ends. The conductor consists of two segments - a moderately to highly conductivity east portion with dips of 45^{O}N to 60^{O}N and a weaker, more steeply dipping west portion. Depths to conductor top are approximately 30 m over the east portion and somewhat greater to the west. There is no notable magnetic correlation.

Conductor 'B' occurs 150m south of the baseline on lines 1125W to 1375W for an indicated strike length of 375m. 'B' exhibits low conductivity being predominantly a quadrature feature at 444 Hz. A steep north dip is indicated. There is approximately 50m of glacial overburden cover. No coincident magnetic anomaly was found.

Conductor 'C' occurs between lines 1375W to 1625W for a strike length of approximately 375m. The conductor is slightly arcuate occurring at 625S to 650S. 'C' exhibits very low conductivity and has a steep south dip. The conductor coincides approximately with a 40 gamma magnetic low on line 1500W.

Conductor 'D' is a weakly conductive predominantly quadrature effect parallel to and approximately 150m north of 'A'. A north dip is indicated by detail work with a 100m cable on line 375W. The conductor flanks a distinct magnetic anomaly between lines 500W to 750W and occurs approximately 25 m south of the 550 gamma magnetic maximum on line 500W.

Magnetic Survey

A Geometrics G-816 proton precession magnetometer was employed for the magnetic surveying. Correction for diurnal variation was made using a Barringer Research BM-123 base station recorder. Details of the magnetic method and technical specifications of the instruments employed are presented in Appendix I.

The most striking magnetic feature (Anomaly A) is located immediately north of the baseline between lines 375W and 750W. Maximum relief is approximately 2000 gammas. Magnetic profiles indicate a moderate north dip to the magnetic body. The anomaly terminates abruptly to the east suggesting that the causative body may be truncated by a fault in this area.

Another magnetic feature of possible economic significance is Anomaly 'B'. This anomaly shows as a 120 gamma high centred at 250S on line 375W.

Magnetic values show a 'regional' increase from northeast to southwest across the property. There is a relatively rapid climb in the northeast followed by a low relief plateau in the central portion of the property with values increasing again in the southwest.

Northwest-striking contours along the south portion of line 1375W are probably indicative of a diabase dyke.

7. CONCLUSIONS AND RECOMMENDATIONS

The grid area is inferred to cover a portion at the top of a felsic dome the main centre for which is located to the north in Mann township. Magnetically, the central portion of the grid is interpreted to be underlain predominantly by felsic volcanics. The increased magnetic activity in the south portion of the grid may relate to more basic volcanics, such that a major mafic-felsic contact may cross the grid in the area of EM conductor 'C'.

Conductor 'A' was investigated previously by Amax (1971) in a single hole drilled in the area of present line 625W. The conductor was shown to be a 4m thick, graphitic unit with associated pyrite. No further drill testing is recommended at this time.

Conductors 'B' and 'C' are probably not reflective of large concentrations of conductive sulphides considering the geophysical responses. The short strike length and inferred geological setting are of interest however and drill tests are warranted.

Conductor 'D' is formational in nature and is probably due to a weakly graphitic unit analogous to 'A'. The close spacial association of conductor 'D' with magnetic anomaly 'A' in the vicinity of line 500W is of interest however and a drill test is recommended.

Neither of magnetic anomalies 'A' or 'B' are due to substantial pyrrhotite concentration considering the EM results. Magnetite-bearing mafic or ultramafic intrusive bodies are the most probable source of the higher magnetic intensities although 'A' may represent a faulted block of magnetite iron formation.

Conductors 'B' 'C' and 'D' should be drill tested as follows:

Conductor	Collar	Dip	Azimuth	Length
B	1250W, 100S	-60°	grid S	140 m
C	1500W, 687.5S	-60°	grid N	140 m
D	500W, 200N	-60°	grid S	140 m

Further work will be contingent on the results of the above.

Respectfully submitted,

W. E. Brereton, P.Eng.

WEB:g

Ontario

Ministry of Natura

GEOPHYSICAL – GEOLOGIC.
TECHNICAL DATA

42A15SW0149 2.3334 LITTLE

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) MAGNETIC AND ELECTROMAGNETIC

Township or Area LITTLE TOWNSHIP

Claim Holder(s) NORCEN ENERGY RESOURCES LTD.
715-5th Ave. S.W., Calgary, Alta.

Survey Company M P H CONSULTING LIMITED, Toronto

Author of Report W. E. Brereton, P.Eng.

Address of Author 706-141 Adelaide St. We, Toronto

Covering Dates of Survey Feb.28-Mar.25, Apr.11-12,1980
(linecutting to office)

Total Miles of Line Cut 17.4

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: Apr.15,1980 SIGNATURE: W E Brereton
Author of Report or Agent

Res. Geol. ____ Qualifications 2.1310 + on this file

Previous Surveys

File No.	Type	Date	Claim Holder
			L.O.

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
P	515736
P	515737
P	515739
P	515740
P	515741
P	515750
P	515751
P	515752
P	521881
P	517240
P	517241
P	517242
P	517243

If space insufficient, attach list

TOTAL CLAIMS 13

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations 1160 Number of Readings 1200-Mag; 1100-EM

Station interval 25m Line spacing 125m

Profile scale 1cm = 10% (444 Hz), 1cm = 20% (1777 Hz)

Contour interval

MAGNETIC

Instrument Geometrics G-816 proton magnetometer

Accuracy – Scale constant 1 gamma

Diurnal correction method base station recorder

Base Station check-in interval (hours) N/A

Base Station location and value N/A

ELECTROMAGNETIC

Instrument Apex Parametrics MaxMin II

Coil configuration Horizontal Loop

Coil separation 200m

Accuracy 0.5% Inphase and quadrature

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

Frequency 444 Hz, 1777 Hz
(specify V.L.F. station)

Parameters measured inphase and quadrature components of secondary EM 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

File

Ontario

Ministry of Natural Resources

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) MAGNETOMETER AND ELECTROMAGNETOMETER

Township or Area Little Township

Claim Holder(s) Norcen Energy Resources Ltd.
715-5th Ave. S.W., Calgary, Alta.

Survey Company M P H CONSULTING LIMITED

Author of Report W. E. Brereton, P.Eng.

Address of Author 706-141 Adelaide St. West, Toronto

Covering Dates of Survey Feb.28-Mar.25, Apr.13-14, 1980
(linecutting to office)

Total Miles of Line Cut 14.29

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: Apr.15,1980 SIGNATURE: W E Brereton
Author of Report or Agent

Res. Geol. ______ Qualifications 2.1310 + on this file

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
P	521829
P	521832
P	521833
P	521834
P	521835
P	521836
P	521845
P	521846
P	521847
P	521848
P	521849
P	521850
P	521869

If space insufficient, attach list

TOTAL CLAIMS 13

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations: 915
Number of Readings: 800 - EM; 1000 - Mag
Station interval: 25m
Line spacing: 125m
Profile scale: 1 cm = 10% (444 Hz); 1 cm = 20% (1777 Hz)
Contour interval: 10 - 100 gammas

MAGNETIC

Instrument: Geometrics G-816 proton magnetometer
Accuracy – Scale constant: 1 gamma
Diurnal correction method: base station recorder
Base Station check-in interval (hours): N/A
Base Station location and value: N/A

ELECTROMAGNETIC

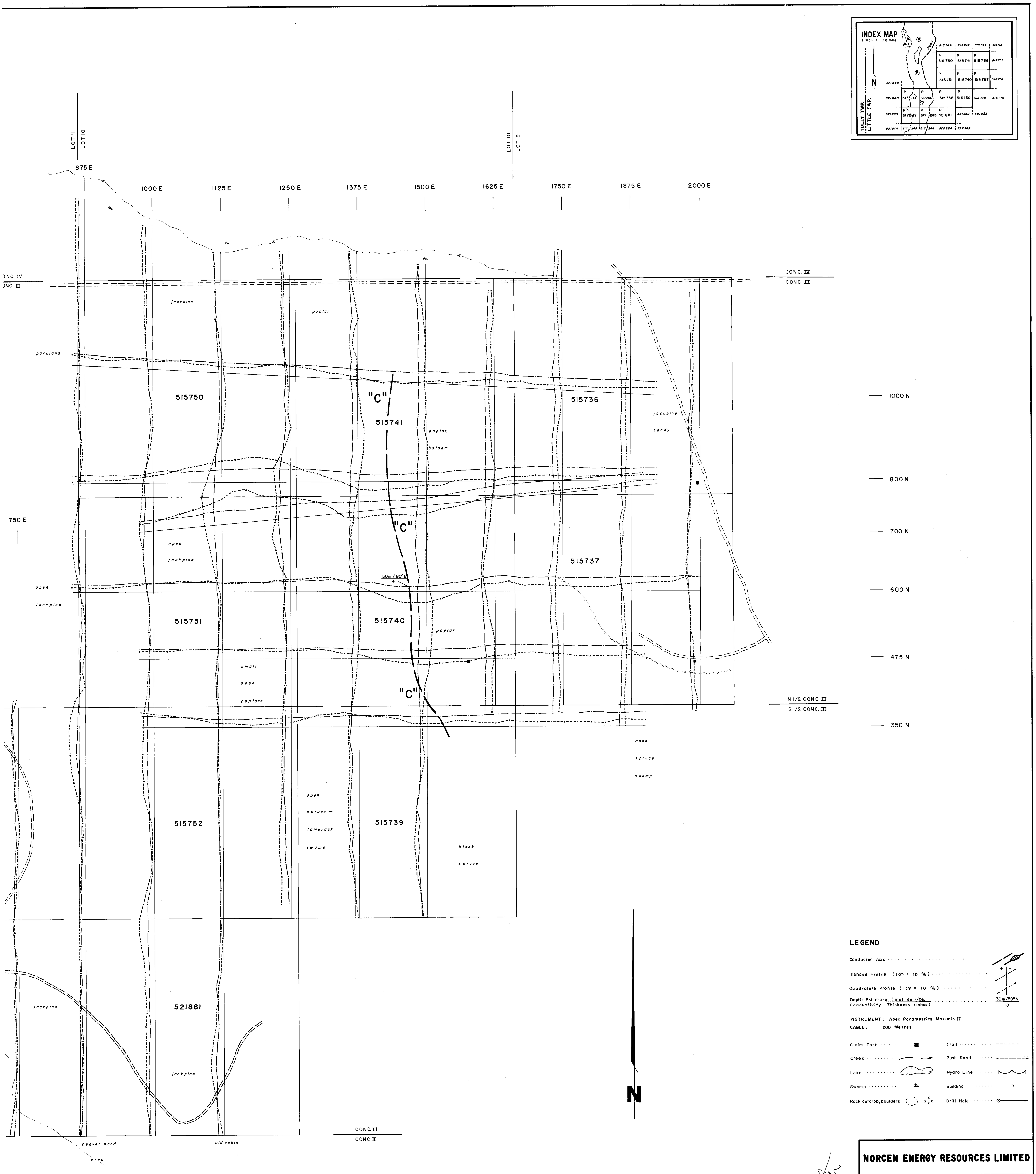
Instrument: Apex Parametrics MaxMin II
Coil configuration: Horizontal Loop
Coil separation: 100m
Accuracy: 0.5% Inphase and quadrature
Method: ☐ Fixed transmitter ☐ Shoot back ☒ In line ☐ Parallel line
Frequency:
(specify V.L.F. station)
Parameters measured: inphase and quadrature components of secondary EM 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:
– Off time:
– Delay time:
– Integration time:
Frequency:
Range:
Power:
Electrode array:
Electrode spacing:
Type of electrode:



LEGEND

Conductor Axis

Inphase Profile (1cm = 10 %)

Quadrature Profile (1cm = 10 %)

Depth Estimate (metres)/Dip / Conductivity - Thickness (mhos) .... 30m/50°N / 10

INSTRUMENT: Apex Parametrics Max-min II

CABLE: 200 Metres.

Claim Post · Trail

Creek · Bush Road

Lake · Hydro Line

Swamp · Building

Rock outcrop, boulders · Drill Hole

NORCEN ENERGY RESOURCES LIMITED

TIMMINS PROJECT

HEM SURVEY - 444 Hz
GRID A·9 & A·10
LITTLE TWP.

Project No: C - 287	**By:** W.E. Brereton
Scale: 1 : 2500	**Drawn:** D.R.
Drawing No: 1	**Date:** February, 1980

MPH Consulting Limited

LEGEND

Conductor Axis

Inphase Profile (1cm = 20 %)

Quadrature Profile (1cm = 20 %)

Depth Estimate (metres)/Dip / Conductivity – Thickness (mhos) .... 30m/50°N / 10

INSTRUMENT: Apex Parametrics Max-min II

CABLE: 200 Metres

Claim Post — Trail

Creek — Bush Road

Lake — Hydro Line

Swamp — Building

Rock outcrop, boulders — Drill Hole

m 0 50 100 150 200 250 m

W.E. Brereton

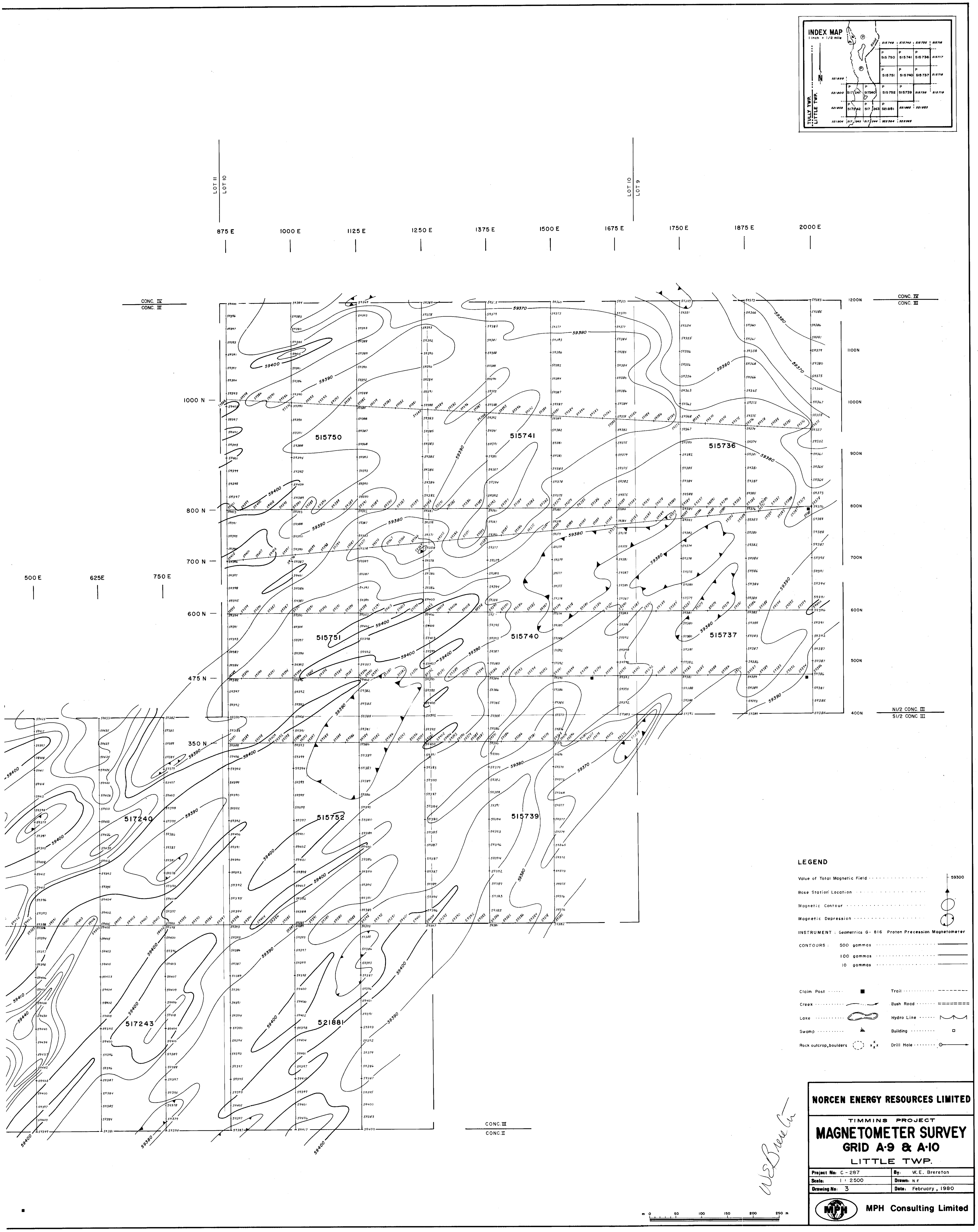
NORCEN ENERGY RESOURCES LIMITED

TIMMINS PROJECT

HEM SURVEY – 1777 Hz
GRID A·9 & A·10
LITTLE TWP.

Project No: C – 287	By: W. E. Brereton
Scale: 1 : 2500	Drawn: D.R.
Drawing No: 2	Date: February, 1980

MPH Consulting Limited



NORCEN ENERGY RESOURCES LIMITED

TIMMINS PROJECT

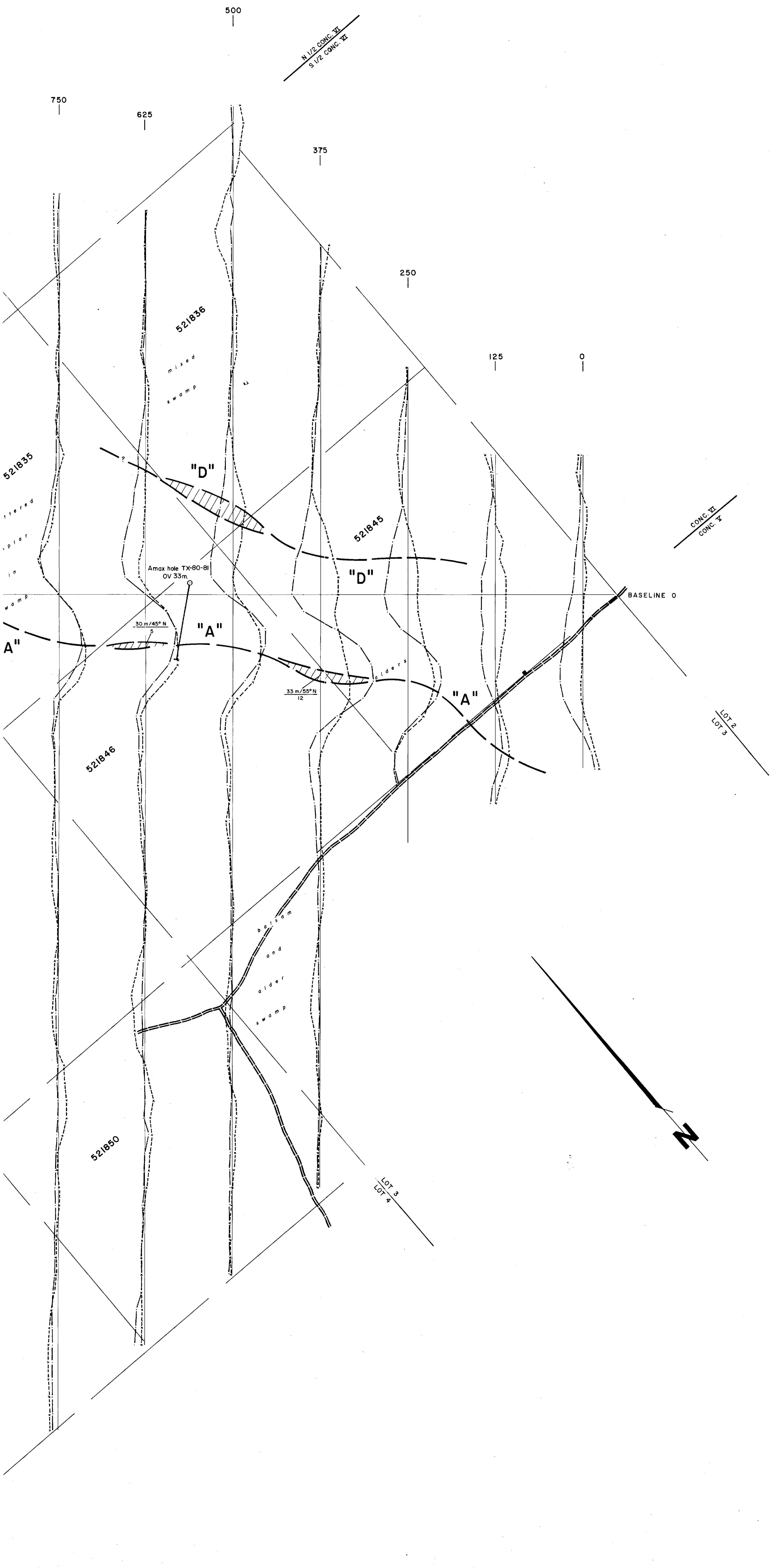
MAGNETOMETER SURVEY
GRID A-9 & A-10

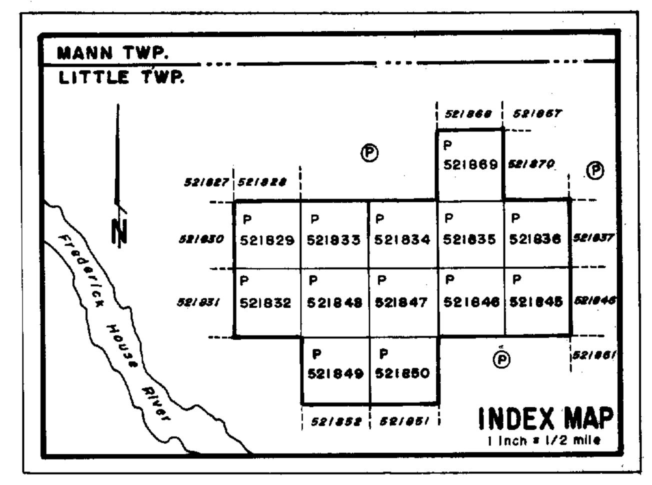
LITTLE TWP.

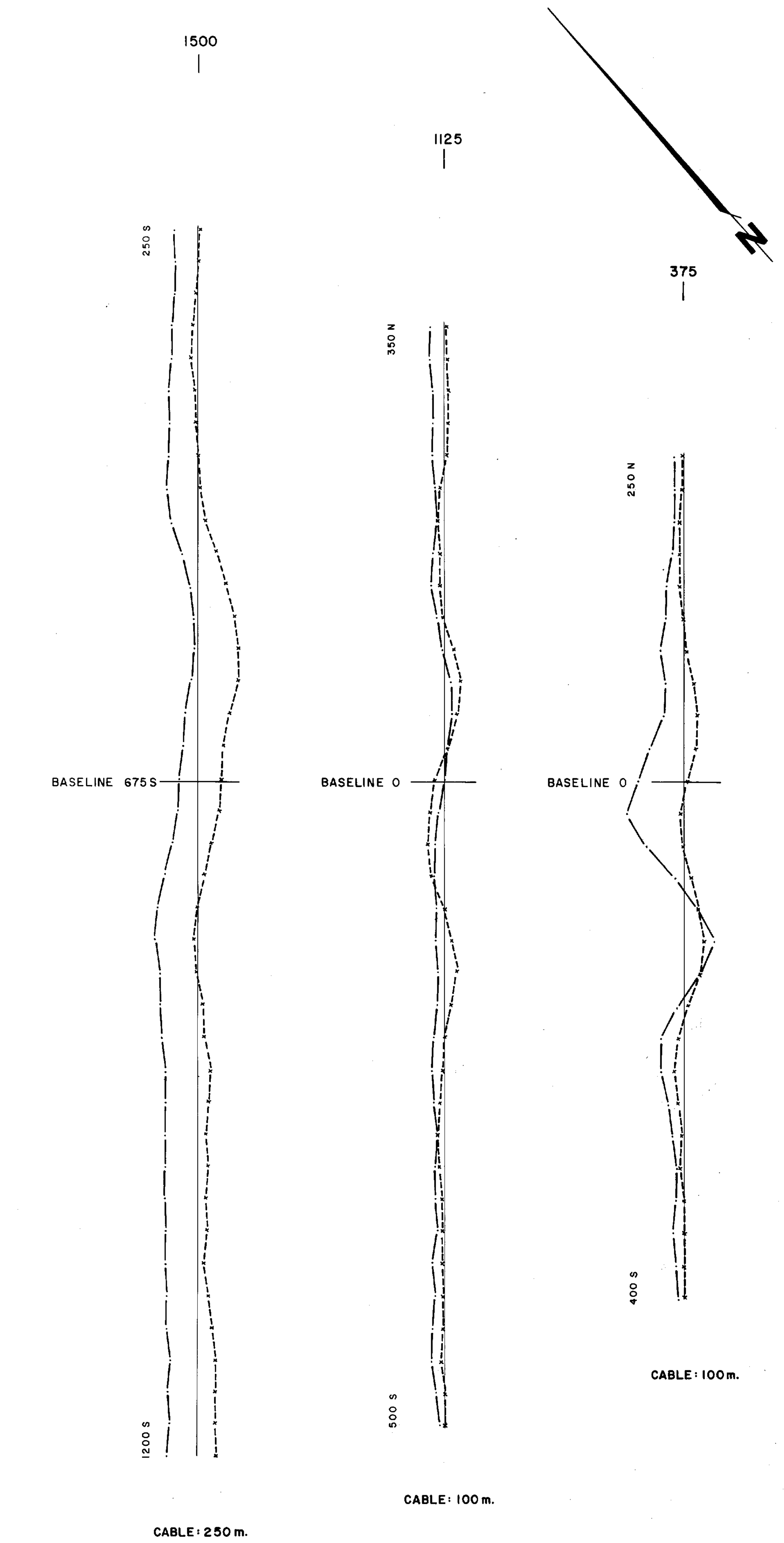
Project No:	C-287	By:	W.E. Brereton
Scale:	1 : 2500	Drawn:	N.F
Drawing No:	3	Date:	February, 1980

MPH Consulting Limited

W.E. Brereton







SURVEY OF LINES 1500, 1125, AND 375
USING DIFFERENT CABLE LENGTHS

Scale 1:2,500

LEGEND

Conductor Axis

Inphase Profile (1cm = 10%)

Quadrature Profile (1cm = 10%)

Depth Estimate (metres) / Dip / Conductivity - Thickness (mhos) .... 30m/50°N / 10

INSTRUMENT: Apex Parametrics Max-min II

CABLE: 150 Metres.

Claim Post	Trail
Creek	Bush Road
Lake	Hydro Line
Swamp	Building
Rock outcrop, boulders	Drill Hole

NORCEN ENERGY RESOURCES LIMITED

TIMMINS PROJECT

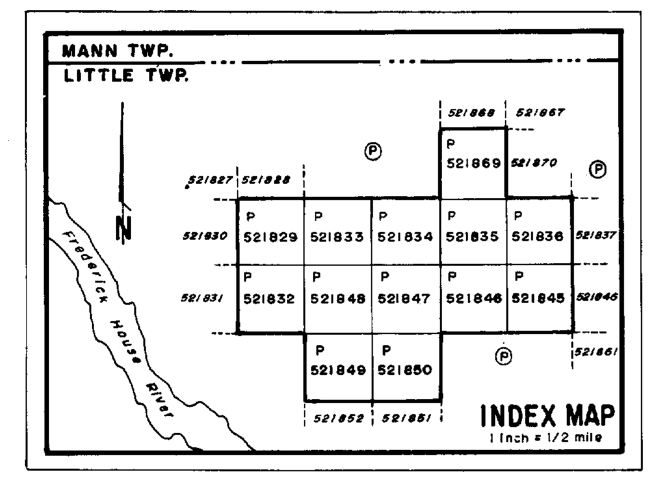
HEM SURVEY - 444 Hz

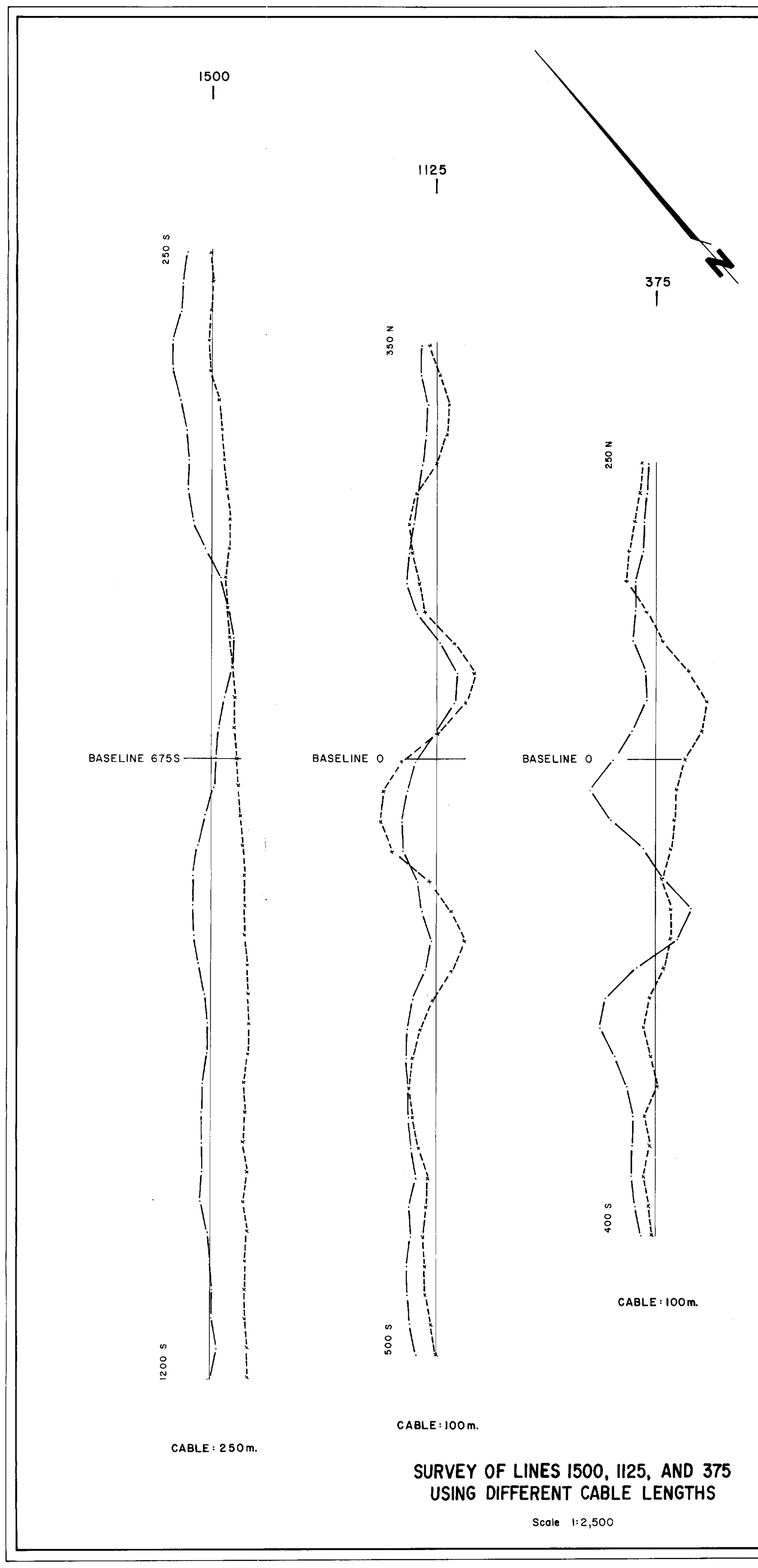
GRID A·14

LITTLE TWP.

Project No: C-287	**By:** W.E. Brereton
Scale: 1 : 2500	**Drawn:** D.R.
Drawing No: 1	**Date:** February 1980

MPH Consulting Limited





SURVEY OF LINES 1500, 1125, AND 375
USING DIFFERENT CABLE LENGTHS

Scale 1:2,500

LEGEND

Conductor Axis

Inphase Profile (1cm = 20%)

Quadrature Profile (1cm = 20%)

Depth Estimate (metres) / Dip — 30m/50°N
Conductivity - Thickness (mhos) — 10

INSTRUMENT: Apex Parametrics Max-min II

CABLE: 150 Metres.

Claim Post — Trail

Creek — Bush Road

Lake — Hydro Line

Swamp — Building

Rock outcrop, boulders — Drill Hole

W.E. Brereton

m 0 50 100 150 200 250 m

NORCEN ENERGY RESOURCES LIMITED

TIMMINS PROJECT

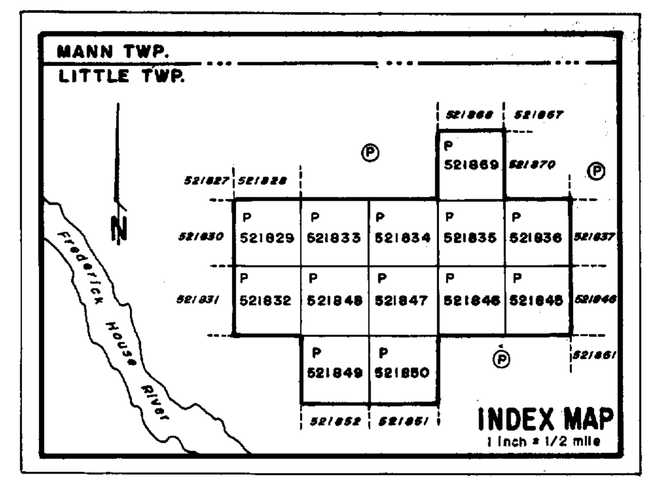
HEM SURVEY - 1777 Hz

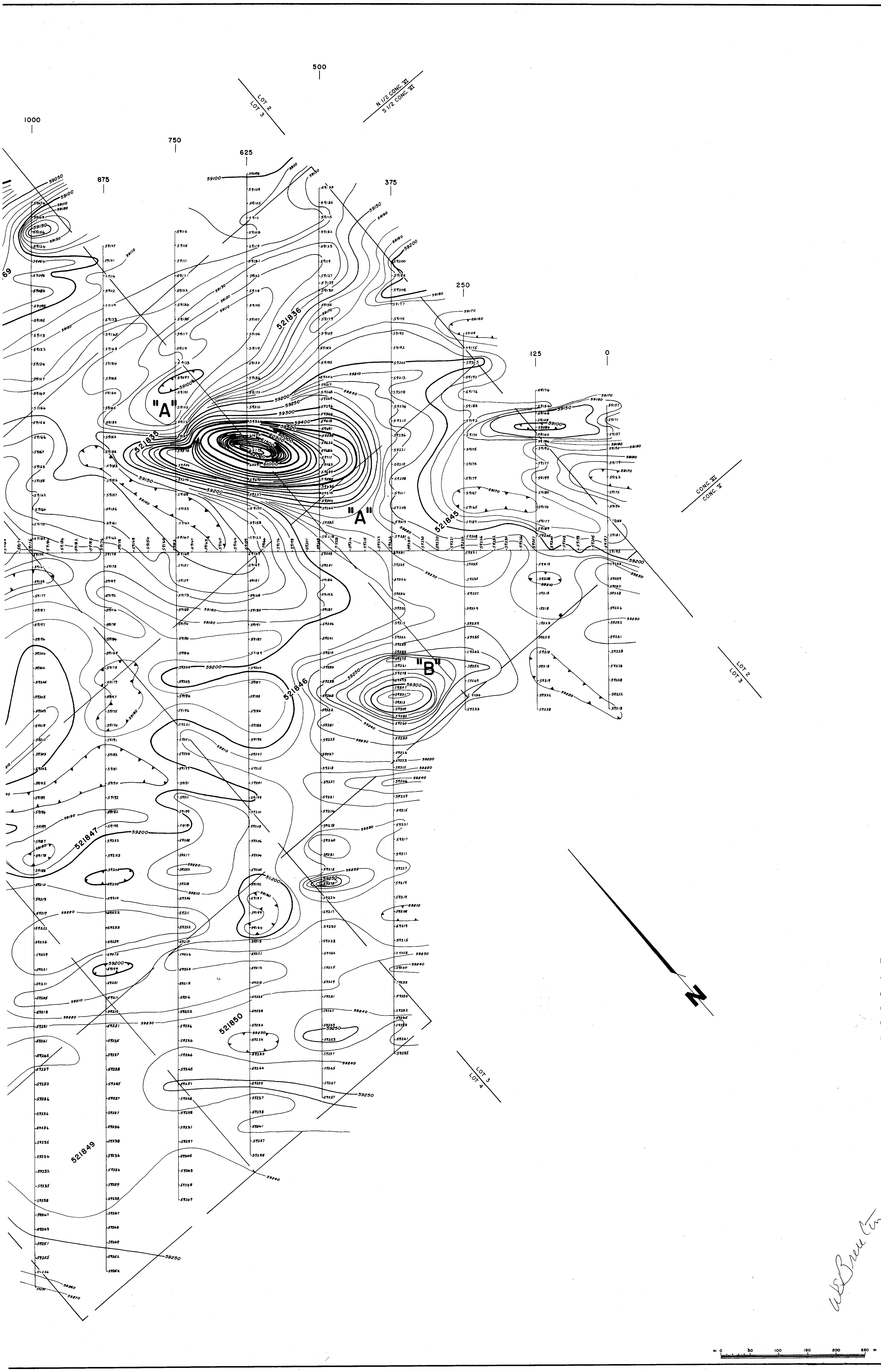
GRID A·14

LITTLE TWP.

Project No: C-287	**By:** W.E. Brereton
Scale: 1 : 2500	**Drawn:** D.R.
Drawing No: 2	**Date:** February 1980

MPH Consulting Limited





LEGEND

Value of Total Magnetic Field · · · · · · · · · · · · · · · · 69600

Base Station Location · · · · · · · · · · · · · · · ·

Magnetic Contour · · · · · · · · · · · · · · · ·

Magnetic Depression · · · · · · · · · · · · · · · ·

INSTRUMENT : Geometrics G- 816 Proton Precession Magnetometer

CONTOURS : 500 gammas · · · · · · · · · · · · · ·
100 gammas · · · · · · · · · · · · · ·
50 gammas · · · · · · · · · · · · · ·
10 gammas · · · · · · · · · · · · · ·

Claim Post · · · · · ·
Trail · · · · · · · · · · · ·
Creek · · · · · · · · · · ·
Bush Road · · · · · · ·
Lake · · · · · · · · · · ·
Hydro Line · · · · · ·
Swamp · · · · · · · · · ·
Building · · · · · · · · ·
Rock outcrop, boulders
Drill Hole · · · · · · · ·

W.E. Brereton

NORCEN ENERGY RESOURCES LIMITED

TIMMINS PROJECT

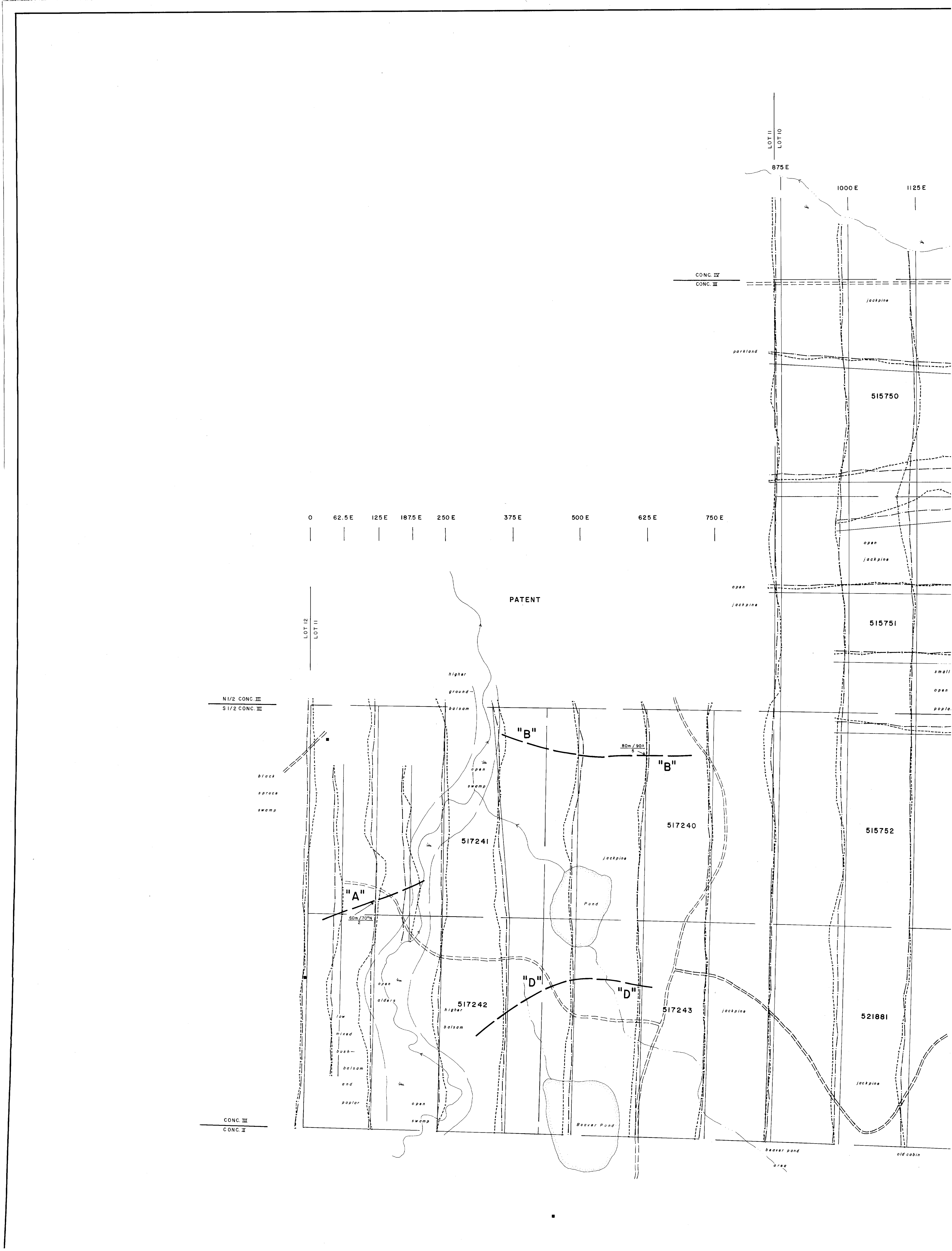
MAGNETOMETER SURVEY

GRID A·14

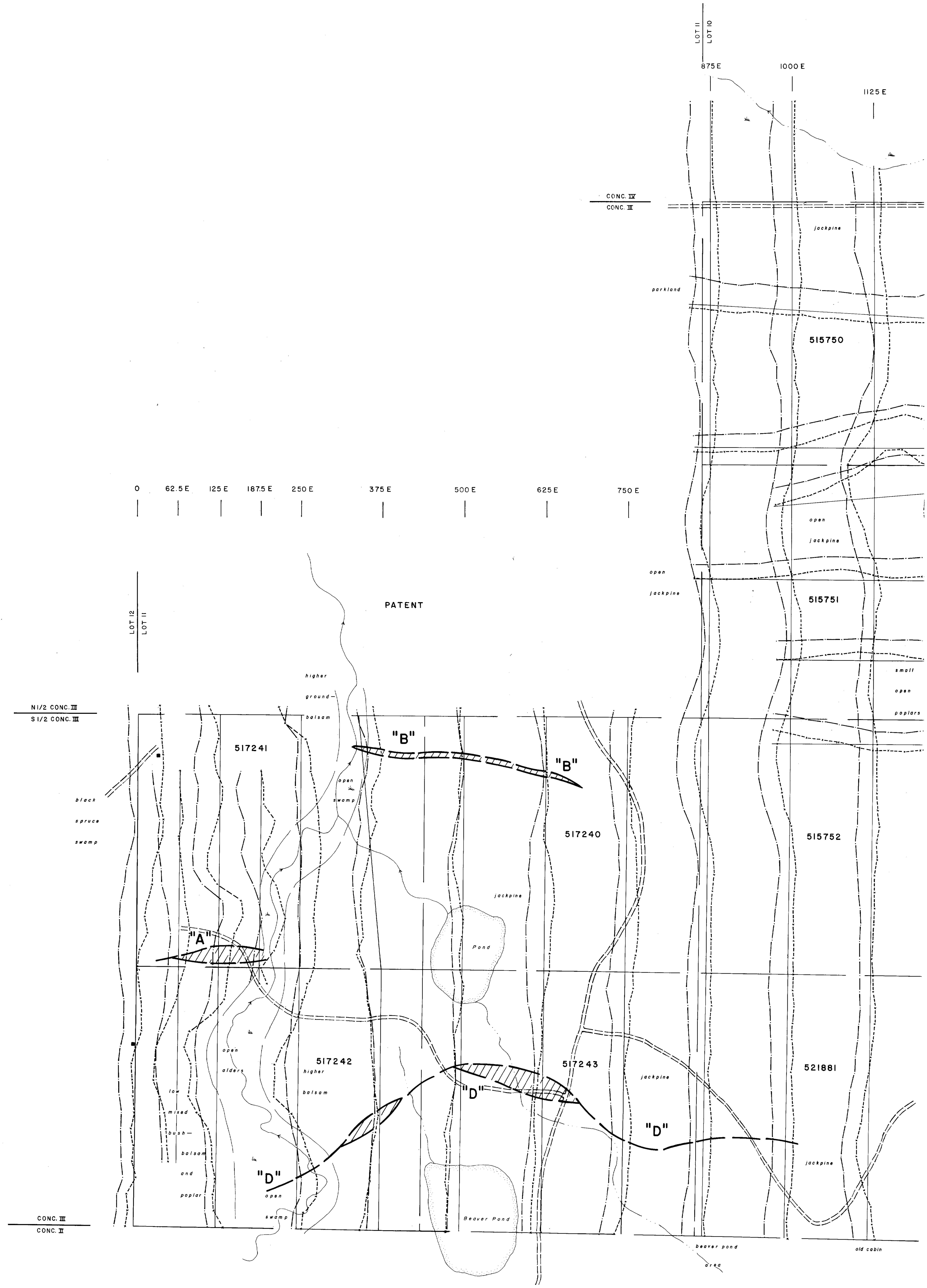
LITTLE TWP.

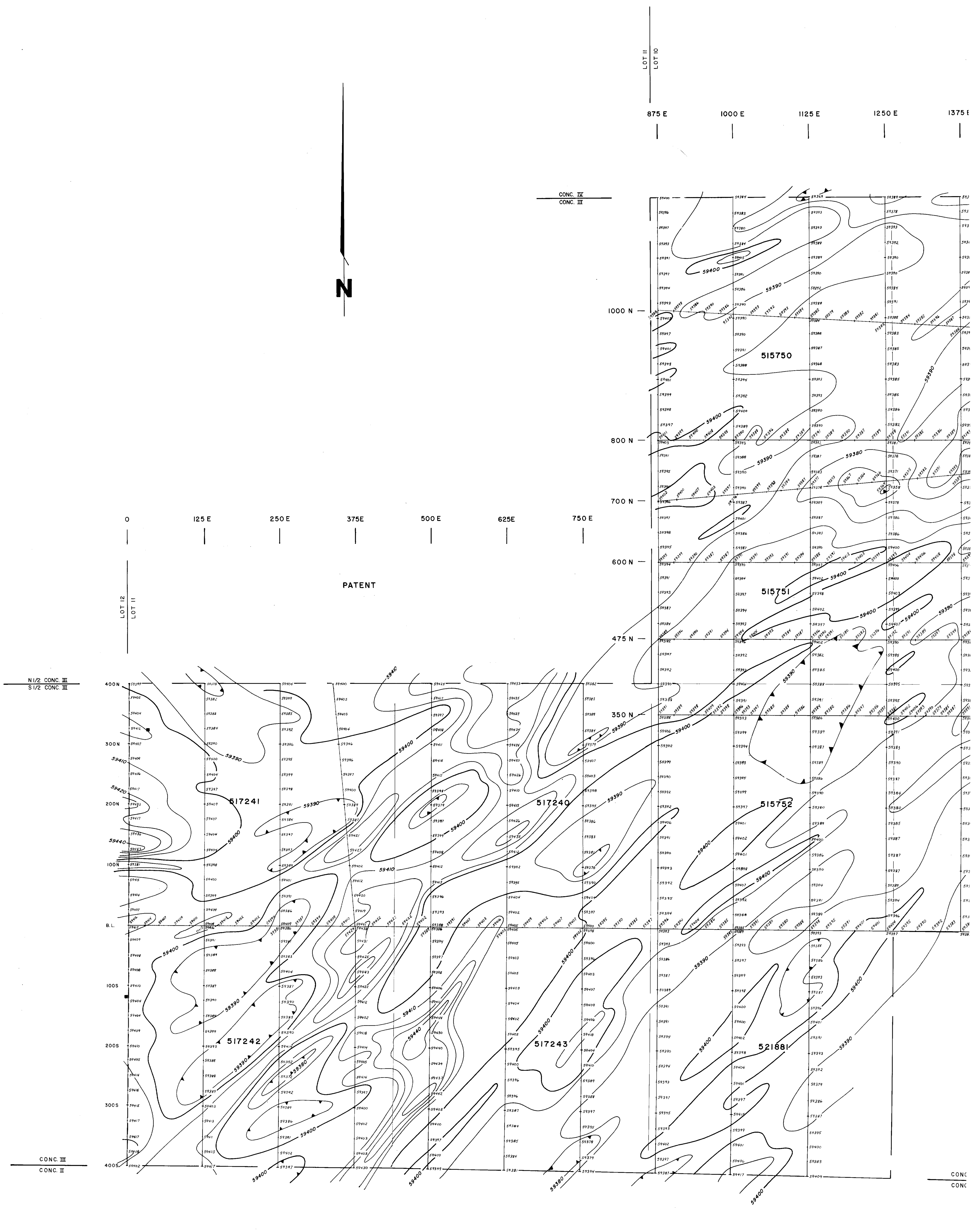
Project No: C-287	**By:** W.E. Brereton
Scale: 1 : 2500	**Drawn:** Carto-graphics
Drawing No: 3	**Date:** February 1980

MPH Consulting Limited


LOT 11
LOT 10
875 E
1000 E
1125 E
CONC. IV
CONC. III
jackpine
parkland
515750
0
62.5 E
125 E
187.5 E
250 E
375 E
500 E
625 E
750 E
open
jackpine
PATENT
LOT 12
LOT 11
515751
higher
ground–
balsam
small
open
popla
N 1/2 CONC. III
S 1/2 CONC. III
"B"
80m / 90°
"B"
black
spruce
swamp
open
swamp
517240
515752
517241
jackpine
"A"
60m / 70°N
Pond
"D"
"D"
open
alders
517242
higher
balsam
517243
jackpine
521881
low
mixed
bush–
balsam
and
poplar
jackpine
open
swamp
Beaver Pond
CONC. III
CONC. II
beaver pond
area
old cabin

200

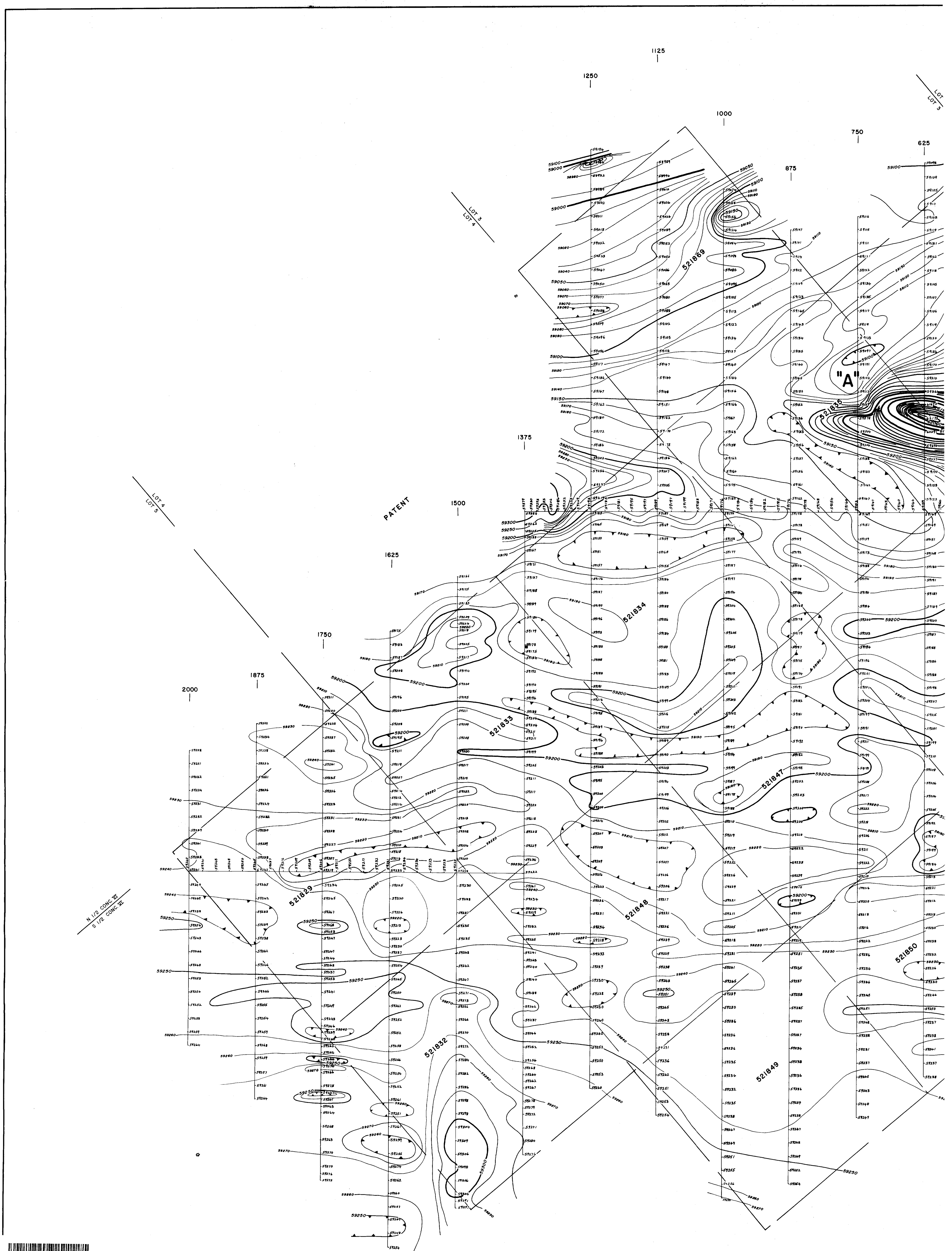

LOT 11
LOT 10
875 E
1000 E
1125 E
CONC. IV
CONC. III
jackpine
parkland
515750
open
jackpine
515751
small
open
poplars
515752
521881
jackpine
old cabin
beaver pond
area
0
62.5 E
125 E
187.5 E
250 E
375 E
500 E
625 E
750 E
LOT 12
LOT 11
PATENT
N1/2 CONC. III
S1/2 CONC. III
higher
ground
balsam
517241
"B"
"B"
open
swamp
black
spruce
swamp
517240
jackpine
Pond
"A"
517242
517243
open
alders
higher
balsam
low
mixed
bush
balsam
and
poplar
"D"
"D"
"D"
open
swamp
Beaver Pond
CONC. III
CONC. II


N
LOT 11
LOT 10
875 E
1000 E
1125 E
1250 E
CONC. IV
CONC. III
1000 N
515750
800 N
700 N
0
125 E
250 E
375E
500 E
625E
750 E
600 N
PATENT
LOT 12
LOT 11
515751
475 N
N1/2 CONC. III
S1/2 CONC. III
400N
350 N
300N
517241
200N
517240
515752
100N
B.L.
100S
517242
200S
517243
521881
300S
400S
CONC. III
CONC. II
59390
59400
59410
59420
59440
59380

220

1125
1250
500
1000
750
625
875
LOT 3
LOT 4
521869
521836
mixed swamp
"D"
521835
scattered poplar in swamp
"D"
1375
"A"
15 m/75° N
3
PATENT
1500
LOT 4
LOT 5
Amax hole TX-80-81
OV 33m.
30 m/45° N
5
"A"
"A"
1625
"B"
15 m/90° ±
3
"B"
33 m/55° N
12
521834
521846
1750
1875
2000
521833
521847
higher ground poplar, balsam
40 m/70° S
4
"C"
"C"
balsam and alder swamp
clay edge?
N 1/2 CONC. VI
S 1/2 CONC. VI
black spruce swamp
BASELINE 675S
521848
521829
logged out area
521850
open spruce swamp
spruce and cedar swamp
521832
521849
good trail

42A15SW0149 2.3334 LITTLE



42A15SE0148 2.3334 LITTLE

250