TEXASGU[illegible]

REPORT OF GEOPHYSICAL WORK

GODFREY TOWNSHIP

NTS - 42-A-12/5

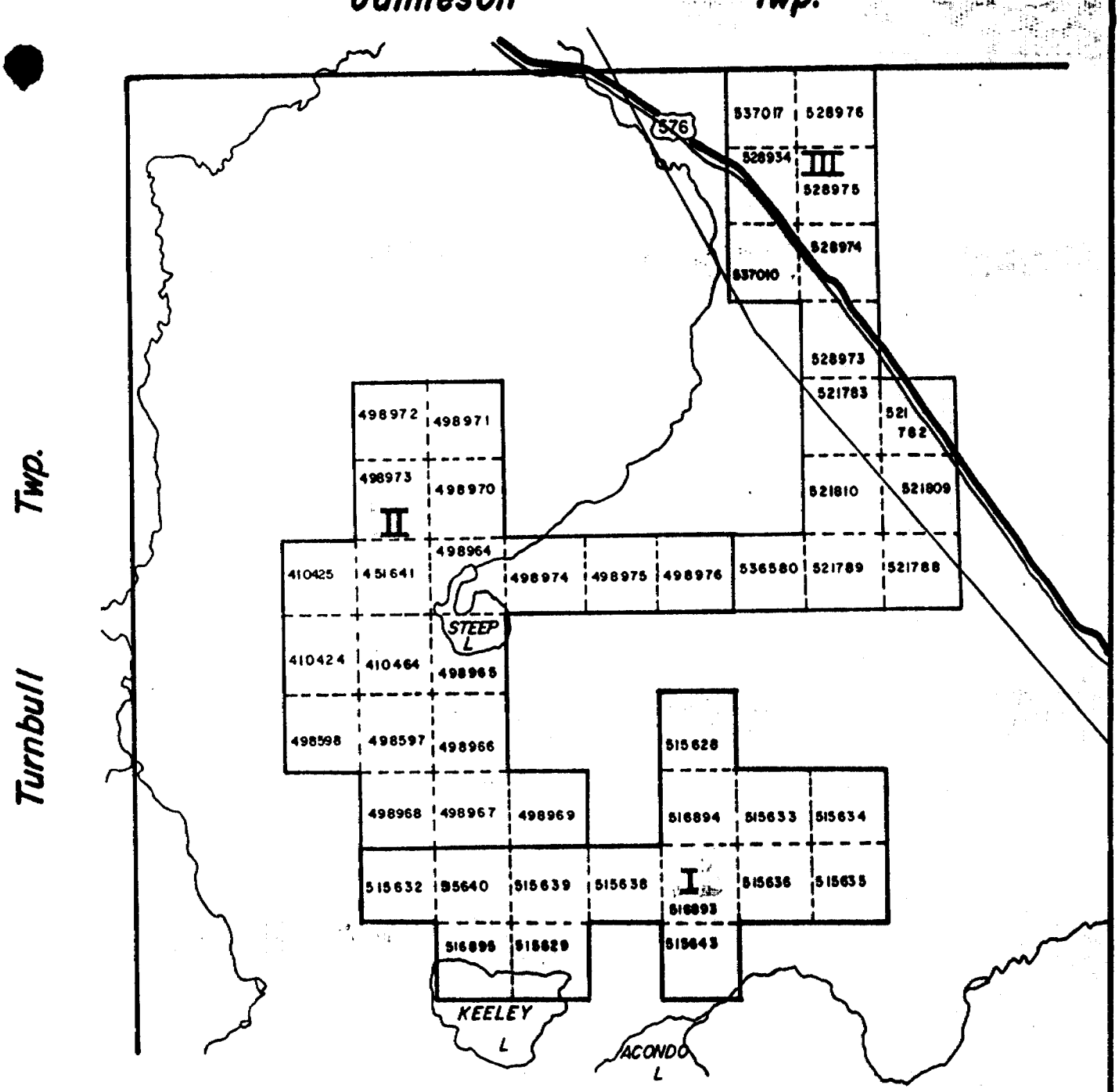
INTRODUCTION:

Geophysical surveys consisting of proton precession magnetometer, very low frequency (V.L.F.) electromagnetic, and horizontal loop electromagnetic traverses were conducted over portions of forty-seven contiguous claims situated in the north-west quarter of Godfrey Township.

The property is divided into three parts as shown in Figure #1. The original Godfrey 51 grid contains nineteen claims and has previously had complete magnetic coverage. Present work consisted of V.L.F. and horizontal loop surveys over a portion of this older grid. Godfrey 51 North and Godfrey 51 South are both fourteen claim groups and have both had complete coverage with magnetic and V.L.F. methods. Godfrey 51 South also had partial coverage with horizontal loop.

PREVIOUS WORK:

The original Godfrey 51 grid has been previously worked by Mespi Mines, Consolidated Brewis and Noranda Mines. Mespi Mines and Noranda preformed geophysical surveys and Consolidated Brewis and Mespi did a fair amount of diamond drilling, especially in the vicinity of the boundary line between claims P-410424 and P-410646 where there is a sulphide occurence. Hollinger Mines previouly worked the Godfrey 51 North and South area. This work consisted of geophysical work, as well as some geochemistry and drilling. Some drilling was done in the vicinity of a zinc showing in the north-west corner of claim P-521809.



I Godfrey 51 South 14 claims

II Godfrey 51 Original grid 19 claims

III Godfrey 51 North 14 claims

TEXASGULF Inc.

Minerals Exploration Division Timmins, ONTARIO

GODFREY 51

Godfrey Twp.

LOCATION MAP

SCALE : 1" = 2640'		Data by : WG
Drawn by : DEL	Project No : 242	NTS : 42-A / 12

...

SURVEY RESULTS:

The present surveys were conducted on east-west lines. Lines were cut at 60 metre intervals with stations established every 20 metres. On claims P-410464 and P-410424 some of the lines are at odd spacings which is due to old lines cut in British units, re-chained metrically.

V.L.F. SURVEY:

As much as possible of the property was run with a V.L.F. instrument. Since most of the sulphide occurences in the Kam Kotia area are small and not very conductive, it is more likely that a method that employs fairly high frequencies ($\approx$ 20,000Hz) such as V.L.F. will find these types of conductors than horizontal loop which uses lower frequencies.

As can be seen from the V.L.F. maps, one of the problems with this method is that numerous spurious conductors such as bedrock-overburden interfaces, shear zones and swamps give as good or better responses than sulphide zones.

Any crossovers on the V.L.F. map that were very weak or were obvious bedrock-clay interfaces were not marked as conductors. Similarly the strong power line anomalies in Godfrey 51 North have been ignored. This screening procedure left approximately four or five conductive zones that may be a result of sulphides.

Conductor "A" on claim P-410464 of the original Godfrey 51 grid (Sheet 2) is in close proximity to the mineralized zone drilled by Consolidated Brewis. However, it is also close to a bedrock edge and is probably partially due to the clay-bedrock edge.

Conductor "B" on the same sheet appears to occur in an outcrop area and warrants some prospecting. On Sheet #3 of the original Godfrey 51 grid conductor "C" may be a legitimate bedrock source. A very small gossan is in close proximity to this conductor. The readings on this sheet are very erratic. This is the result of very wet, swampy ground interspersed with outcrops.

Conductor "D" on claim P-515639 of the west half of Godfrey 51 South is the most interesting of the outlined conductive zones. This three line anomaly has a strike length of 150 metres and has good magnetic correlation. There is no coincident horizontal loop response; therefore the zone must be poorly conductive or have little depth extent.

In the east half of Godfrey 51 South, conductor "E" has been marked mainly because it is the most continuous and noticeable conductive feature on the map. There is no evidence of a horizontal loop response; therefore considering the strike length of this zone, the conductivity must be very poor. There is no obvious bedrock overburden interface; thus it is likely a major bedrock contact zone or a bedrock depression.

MAGNETIC SURVEY:

Magnetic traverses were conducted only on Godfrey 51 North and Godfrey 51 South. The dominant magnetic features are the north-south trending magnetic high that cross all the map sheets. These represent diabase dikes. For the most part, the remainder of the map sheets are fairly flat magnetically, indicative of the low magnetic susceptibility acid volcanics that predominate.

There are occasional isolated circular magnetic highs. These may represent small basic intrusives. The previously mentioned magnetic high coincident with anomaly "D" may represent pyrrhotite mineralization.

One interesting feature is a magnetic low that runs E-W on the north half of the Godfrey 51 North grid. This magnetic low can be seen to be cutting diabase dikes at Line 1140S, 3+40W; Line 960S, 20E; and Line 900S, 1+60E. This seems to represent a major fault. The magnetic lows occurring where magnetic highs should be seems to be a result of reading off the ends of the diabase dikes.

HORIZONTAL LOOP SURVEY:

The original Godfrey 51 claim group was partially covered with a 160 metre coil spacing. Two hundred metre coil spacing was used on parts of Godfrey 51 South. Two frequencies were used on both surveys. No conductive zones were detected.

CONCLUSIONS AND RECOMMENDATIONS:

Geophysics has given little indication of any substantial massive sulphide deposits. V.L.F. zone "D" appears to be the best of a poor bunch of sulphide targets. A seismic refraction profile should be run over the zone and if bedrock depths are shallow a back-hoe should be used to reveal the source of the conductivity.

January 30, 1980

W. A. Gasteiger

Ontario

Ministry o

GEOPHYSICAL – GE(
TECHNICAL

42A12SE0410 2.3210 GODFREY

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 Godfrey Twp.

Claim Holder(s) Texasgulf Canada Ltd.

Suite 5000, Commerce Court, Toronto, Ontario

cc: 571 Moneta Ave., Timmins, Ontario

Survey Company Same as above

Author of Report W. A. Gasteiger

Address of Author 571 Moneta Avenue, Timmins, Ontario

Covering Dates of Survey June/79 - Jan/80
(linecutting to office)

Total Miles of Line Cut 106 Kilometers

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	
--Radiometric	
--Other	
Geological	
Geochemical	

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

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

DATE: Jan 31/80 SIGNATURE: Wil Gasteiger
Author of Report or Agent

Res. Geol. _____ Qualifications 2.1798

Previous Surveys

File No.	Type	Date	Claim Holder

MINING CLAIMS TRAVERSED
List numerically

(prefix)	(number)
P-451641	
P-498597	P-536580
P-498598	P-537010
P-498964	P-537017
P-498965	
P-498966	
P-498967	
P-498968	
P-498969	
P-498970	
P-498971	
P-498972	
P-498973	
P-498974	
P-498975	
P-498976	
P-515628	
P-515629	
P-515632	
P-515633	
P-515634	
P-515635	
P-515636	
P-515638	
P-515639	
P-515640	
P-515643	
P-516893	
P-516894	
P-515895	
P-521782	
P-521783	
P-521788	
P-521789	
P-521809	
P-521810	
P-528934	
P-528973	
P-528974	
P-528975	
P-528976	

If space insufficient, attach list

TOTAL CLAIMS 44

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations 5456 Number of Readings 5456

Station interval 20 metres Line spacing 60 metres

Profile scale 1cm = 10[redacted]°

Contour interval

MAGNETIC

Instrument

Accuracy – Scale constant

Diurnal correction method

Base Station check-in interval (hours)

Base Station location and value

ELECTROMAGNETIC

Instrument Crone Radem

Coil configuration Vertical Receiver Coil

Coil separation Infinite

Accuracy ± 1°

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

Frequency Annapolis Maryland (specify V.L.F. station)

Parameters measured Dip angle of ~~secondary~~ total field in degrees

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

TO BE ATTACHED AS AN APPENDIX TO TECHNICAL REPORT
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Type of Survey(s) Geophysical

Township or Area Godfrey

Claim Holder(s) Texasgulf Canada Ltd.
P.O. Box 175, Suite 5000, Commerce Court, Toronto, Ontario
cc: 571 Moneta Ave., Timmins, Ontario

Survey Company Same as above

Author of Report W.A. Gasteiger

Address of Author 571 Moneta Ave., Timmins, Ontario

Covering Dates of Survey June /79 - Jan/80
(linecutting to office)

Total Miles of Line Cut 78 Kilometers

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: Jan 31 /80 SIGNATURE: Wil Gasteiger
Author of Report or Agent

Res. Geol. _____ Qualifications 2.1798

Previous Surveys

File No.	Type	Date	Claim Holder

OFFICE USE ONLY

MINING CLAIMS TRAVERSED
List numerically

(prefix) (number)

P-521782
P-521783
P-521788
P-521789
P-521809
P-521810
P-528934
P-528973
P-528974
P-528975
P-528976
P-536580
P-537010
P-537017
P-515628
P-515629
P-515632
P-515633
P-515634
P-515635
P-515636
P-515638
P-515639
P-515640
P-515643
P-516893
P-516894
P-516895

TOTAL CLAIMS 28

If space insufficient, attach list

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations 4314 Number of Readings 4314

Station interval 20 metres Line spacing 60 metres

Profile scale

Contour interval 100 gammas

MAGNETIC

Instrument Geometrics G-816 Proton Precession Magnetometer

Accuracy – Scale constant ± 1 gamma

Diurnal correction method Magnetic field strength established along baseline by reading 60 metre loops with 20 meter stations

Base Station check-in interval (hours)

Base Station location and value Baseline values subsequently used to correct survey data. Base station on line oN, 0+00. Value = 59794 gammas.

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

Ontario

Ministry of Natural Resources

File _____

GEOPHYSICAL – GEOLOGICAL – GEOCHEMICAL TECHNICAL DATA STATEMENT

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Type of Survey(s) Geophysical

Township or Area Godfrey Township

Claim Holder(s) Texasgulf Canada Ltd.

P.O. Box 175, Suite 5000, Commerce Court, Toronto, Ont
cc: 571 Moneta Ave., Timmins, Ontario

Survey Company Same as above

Author of Report W. A. Gasteiger

Address of Author 571 Moneta Avenue, Timmins, Ontario

Covering Dates of Survey June/79 - Jan/80
(linecutting to office)

Total Miles of Line Cut 38 kilometers

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	
--Radiometric	
--Other	
Geological	
Geochemical	

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

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

DATE: Jan. 31/80 SIGNATURE: Wil Gasteiger
Author of Report or Agent

Res. Geol. _____ Qualifications 2.1798

Previous Surveys

File No.	Type	Date	Claim Holder

LD

MINING CLAIMS TRAVERSED
List numerically

(prefix) (number)

P-451641
P-498597
P-498598
~~P-498964~~
P-498970
P-498972
P-498973
P-498974
P-498975
P-498976
P-515628
P-515629
P-515632
P-515633
P-515634
P-515635
P-515636
P-515638
P-515639
P-515640
P-515643
P-516893
P-516894
P-516895
P-498971

If space insufficient, attach list

TOTAL CLAIMS 25

OFFICE USE ONLY

GEOPHYSICAL TECHNICAL DATA

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

Number of Stations 1147 Number of Readings 1147

Station interval 40 metres Line spacing 60 metres or 120 metres

Profile scale 1cm = 10%

Contour interval

MAGNETIC

Instrument

Accuracy – Scale constant

Diurnal correction method

Base Station check-in interval (hours)

Base Station location and value

ELECTROMAGNETIC

Instrument Apex Parametrics MAXMIN II

Coil configuration Coplanar

Coil separation 160 metres and 200 metres

Accuracy ± 1%

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

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

Parameters measured In phase and quadrature of secondary field as percentage of primary 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

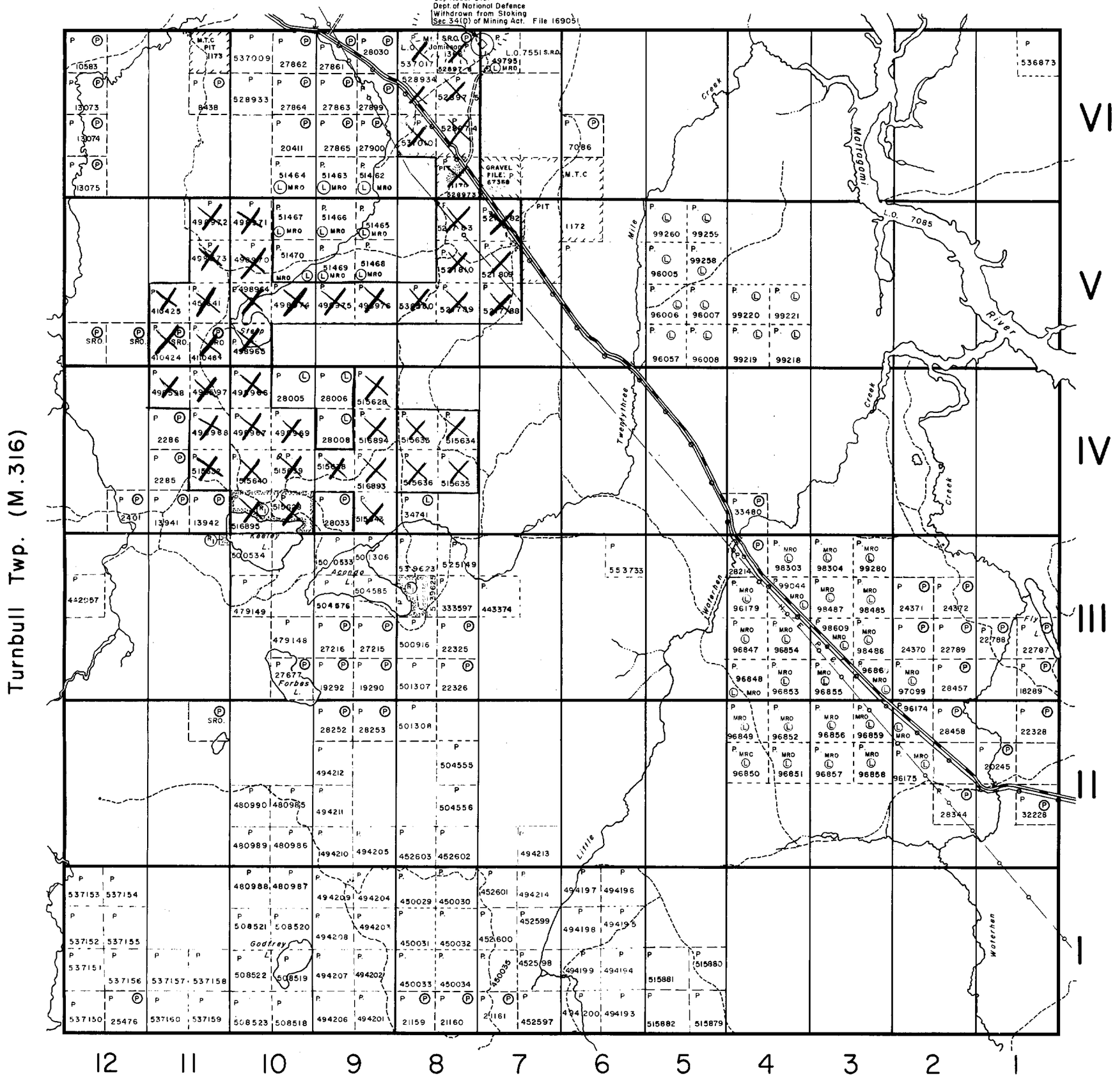
2.3210

THE TOWNSHIP OF GODFREY

DISTRICT OF COCHRANE

PORCUPINE MINING DIVISION

SCALE: 1-INCH = 40 CHAINS



LEGEND

PATENTED LAND	(P)
CROWN LAND SALE	C.S.
LEASES	(L)
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.
PATENTED S.R.O.	

NOTES

400' surface rights reservation along the shores of all lakes and rivers.

Flooding rights on either side of the Mattagami to H.E.P.C.

This township lies within the Municipality of CITY of TIMMINS.

Reservations:

(R) - Reserved for recreational purposes under Sec. 3 P.L.A. File 188543.

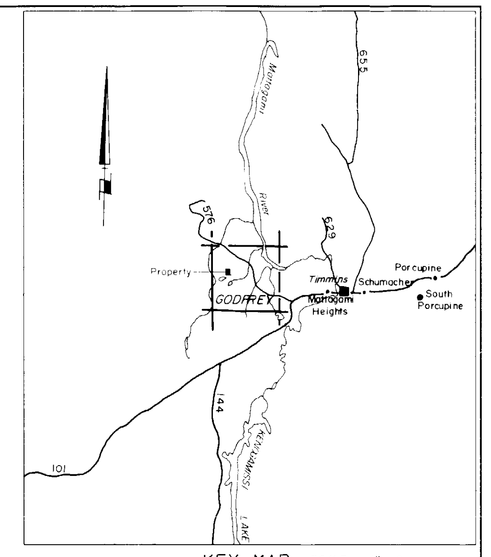
PLAN NO. M.284

ONTARIO
MINISTRY OF NATURAL RESOURCES
SURVEYS AND MAPPING BRANCH

LINE 780 N
LINE 720 N
LINE 660 N
LINE 600 N
LINE 540 N
LINE 480 N
LINE 420 N
LINE 60 N
LINE 0
LINE 60 S
LINE 120 S
LINE 180 S
LINE 240 S
LINE 300 S
LINE 360 S
LINE 420 S
LINE 480 S
LINE 540 S
LINE 600 S
LINE 660 S
LINE 720 S
LINE 780 S
LINE 840 S

22 E
20 E
18 E
16 E
14 E
12 E
10 E
8 E
6 E

P 515634
P 515635
P 515633
P 515636
P 515628
P 515616 894
P 516893
P 515643
P 515638



KEY MAP SCALE 1" = 8 miles

ASTRO

LEGEND

INSTRUMENT : GEOMETRICS GB16
TYPE : PROTON PRECESSION. TOTAL FIELD READINGS IN GAMMAS
▲ MAGNETIC BASE STATION

0 40 80 120 160 200
METRES (1:2000)

TEXASGULF CANADA LTD.

MAGNETIC SURVEY
GODFREY 51 SOUTH
EAST HALF

NTS:42A12 PROJ.#242

DRN BY | DATE
1980

210

P 516 894

P 515 693

P 515 643

P 515 638

P 515 639

P 515 629

P 515 640

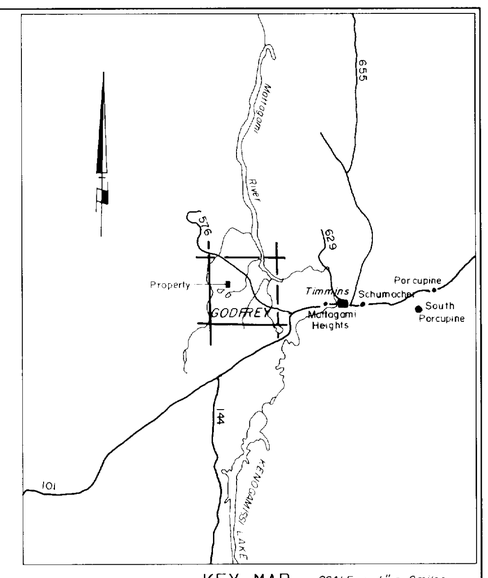
P 516 895

P 515 632

LINE 60 S
LINE 120 S
LINE 180 S
LINE 240 S
LINE 300 S
LINE 360 S
LINE 420 S
LINE 480 S
LINE 540 S
LINE 600 S

12 E
10 E
8 E
6 E
4 E
2 E
0
2 W
4 W

WP



KEY MAP SCALE : 1" = 8miles

LEGEND

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

0 40 80 120 160 200
METRES (1:2000)

TEXASGULF CANADA LTD.

MAGNETIC SURVEY
GODFREY 51 SOUTH
WEST HALF

NTS:42A12 PROJ.#242

WORK BY	DATE
	1980

42A12SE0410 2.5210 GODFREY

TEXASGULF CANADA LTD.
V L F SURVEY
GODFREY 51 SOUTH
EAST HALF
NTS:42A12
PROJ.#242
1980
LEGEND
DIP ANGLE (DEGREES)
INSTRUMENT : CRONE RADEM
STATION : ANNAPOLIS, 21.4 KHz
PROFILE SCALE : DIP ANGLE 1 CM= 10°
W DIPS
E DIPS
0 40 80 120 160 200
METRES (1:2000)
KEY MAP
ASTRO
P 5156 34
P 5156 35
P 515633
P 515636
P 515628
P 516894
P 516893
P 515643
P 515638
E
E
230

P 516

894

P 51 689 3

P 51 564 3

P 515 638

D

P 515 639

P 51 56 29

P 515 640

P 51 68 95

P 515 632

12 E

10 E

8 E

6 E

4 E

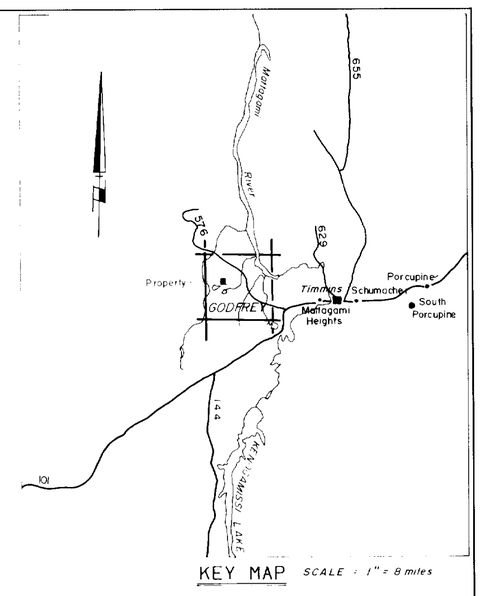
2 E

0

2 W

4 W

WP



KEY MAP SCALE : 1" = 8 miles

ASTRO

LEGEND

DIP ANGLE (DEGREES)

12 E

INSTRUMENT : CRONE RADEM
STATION : ANNAPOLIS, 21.4 KHz
PROFILE SCALE : DIP ANGLE 1 CM= 10°

W DIPS — E DIPS

0 40 80 120 160 200

METRES (1:2000)

TEXASGULF CANADA LTD.

V L F SURVEY

GODFREY 51 SOUTH

WEST HALF

NTS: 42A12 2.3210 PROJ.#242

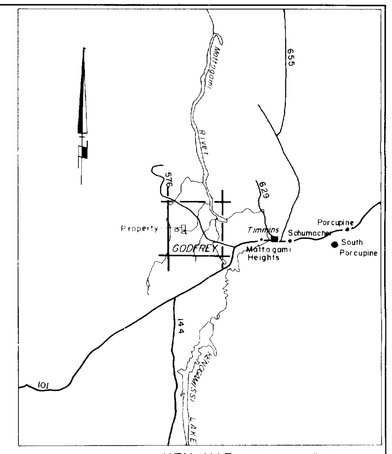
WORK BY	DATE
	1980

42A12SE0410 2.3210 GODFREY

LINE 780 N | LINE 660 N | LINE 540 N | LINE 420 N | LINE 240 N | LINE 120 N | LINE-0 | LINE 120 S | LINE 240 S | LINE 360 S

22 E
20 E
18 E
16 E
14 E
12 E

P 515634
P 515633
P 515635
P 515636
P 515628
P 516894
P 516893
P 515638



KEY MAP SCALE 1" = 8 miles

ASTRO

LEGEND

1777 Hz 444 Hz
IN-PHASE READINGS
QUADRATURE READINGS

INSTRUMENT : APEX PARAMETRICS MAXMIN II
FREQUENCY : 444 Hz AND 1777 Hz
COIL SPACING : 200 METERS
PROFILE SCALE : 1 CM= 10% (444 Hz)
: 1 CM= 10% (1777 Hz)

← + READINGS — READINGS →

0 40 80 120 160 200
METRES (1:2000)

TEXASGULF CANADA LTD.

HORIZONTAL LOOP SURVEY
GODFREY 51 SOUTH
EAST HALF

NTS: 42A12 PROJ.#242

WORK BY	DATE
	1980

42A12SE0410 P.3010 GODFREY

250

P 516894 LINE-0 P 516893 LINE 120 S LINE 240 S LINE 360 S P 515643 LINE 480 S LINE 600 S

12 E — — 12 E

10 E — — 10 E

P 515638

8 E — — 8 E

WP

P 515639 P 515629

6 E — — 6 E

WP

4-E — — 4-E

P 515640 P 516895

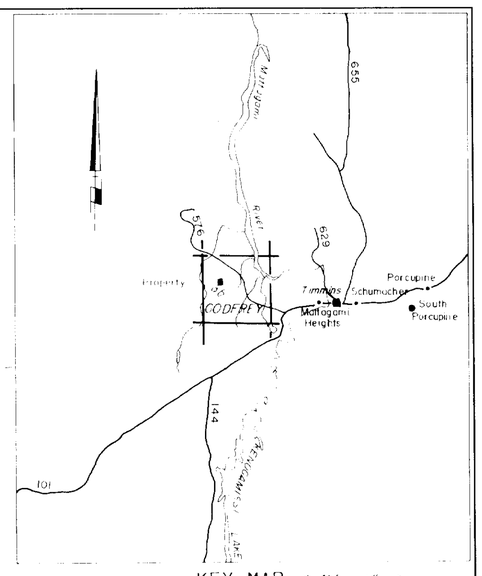
2 E — — 2 E

WP

0 — — 0

2 W — — 2 W

P 515632



KEY MAP SCALE 1" = 8 miles

ASTRO

LEGEND

1777 Hz 444 Hz

IN-PHASE READINGS

QUADRATURE READINGS

INSTRUMENT : APEX PARAMETRICS MAXMIN II
FREQUENCY : 444 Hz AND 1777 Hz
COIL SPACING : 200 METERS
PROFILE SCALE : 1 CM= 10% (444 Hz)
: 1 CM= 10% (1777 Hz

READINGS READINGS

0 40 80 120 160 200

METRES (1:2000)

TEXASGULF CANADA LTD.

HORIZONTAL LOOP SURVEY

GODFREY 51 SOUTH

WEST HALF

NTS:42A12 PROJ.#242

WORK BY

DATE 1980


KEY MAP SCALE : 1" = 8 miles
Porcupine
South Porcupine
Schumacher
Timmins
Mattagami Heights
GODFREY
Property
Mattagami River
KENOGAMISSI LAKE
655
629
576
144
101
ASTRO
LEGEND
DIP ANGLE (DEGREES)
INSTRUMENT : CRONE RADEM
STATION : ANNAPOLIS, 21.4 KHz
PROFILE SCALE : DIP ANGLE 1 CM= 10°
W DIPS
E DIPS
0 40 80 120 160 200
METRES (1:2000)
TEXASGULF CANADA LTD.
V L F SURVEY
ORIGINAL GODFREY 51
SHEET 1
NTS:42A12
PROJ.#242
DATE
1980
LINE 0
LINE 60 N
LINE 120 N
LINE 180 N
LINE 240 N
LINE 300 N
LINE 360 N
LINE 420 N
LINE 480 N
LINE 540 N
LINE 600 N
LINE 660 N
LINE 720 N
LINE 780 N
LINE 840 N
LINE 864 N
LINE 900 N
LINE 930 N
LINE 960 N
LINE 1060 N
LINE 1080 N
LINE 1140 N
LINE 1200 N
8 E
6 E
4 E
2 E
0
P 4 9 8 9 6 9
P 4 9 8 9 6 7
P 4 9 8 9 6 6
P 4 9 8 9 6 5
B
270

KEY MAP
SCALE : 1" = 8 miles
Porcupine
South Porcupine
Schumacher
Timmins
Mattagami Heights
655
629
Mattagami River
KENOGAMISSI LAKE
GODFREY
Property
576
144
101
ASTRO
LEGEND
DIP ANGLE (DEGREES)
INSTRUMENT : CRONE RADEM
STATION : ANNAPOLIS, 21.4 KHz
PROFILE SCALE : DIP ANGLE 1 CM= 10°
W DIPS
E DIPS
80 120 160 200
METRES (1:2000)
TEXASGULF CANADA LTD.
VLF SURVEY
ORIGINAL GODFREY 51
SHEET 2
NTS:4
PROJ.#242
DATE
1980
LINE 0
LINE 60 N
LINE 120 N
LINE 180 N
LINE 240 N
LINE 300 N
LINE 360 N
LINE 420 N
LINE 480 N
LINE 540 N
LINE 600 N
LINE 660 N
LINE 720 N
LINE 780 N
LINE 840 N
LINE 864 N
LINE 900 N
LINE 930 N
LINE 960 N
LINE 1020 N
LINE 1060 N
LINE 1080 N
LINE 1140 N
LINE 1200 N
0
2 W
4 W
6 W
8 W
P 498967
P 498968
P 498966
P 498597
P 498598
P 498965
P 410464
P 410424
A
B
280

LINE 1620 N

LINE 1560 N

LINE 1500 N

LINE 1440 N

LINE 1380 N

LINE 1320 N

LINE 1260 N

16 E

14 E

12 E

10 E

8 E

6 E

4 E

2 E

0

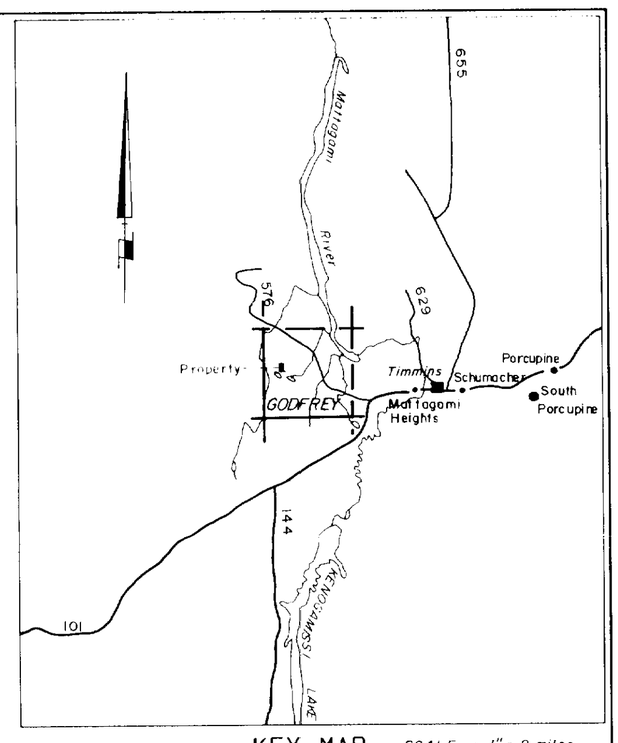
P 4989764

P 4989754

P 4989744

P 4989644

ASTRO



KEY MAP SCALE : 1" = 8 miles

LEGEND

DIP ANGLE (DEGREES)

12 E

INSTRUMENT : CRONE RADEM
STATION : ANNAPOLIS, 21.4 KHz
PROFILE SCALE : DIP ANGLE 1 CM= 10°

← W DIPS E DIPS →

0 40 80 120 160 200

METRES (1:2000)

TEXASGULF CANADA LTD.

V L F SURVEY

ORIGINAL GODFREY 51

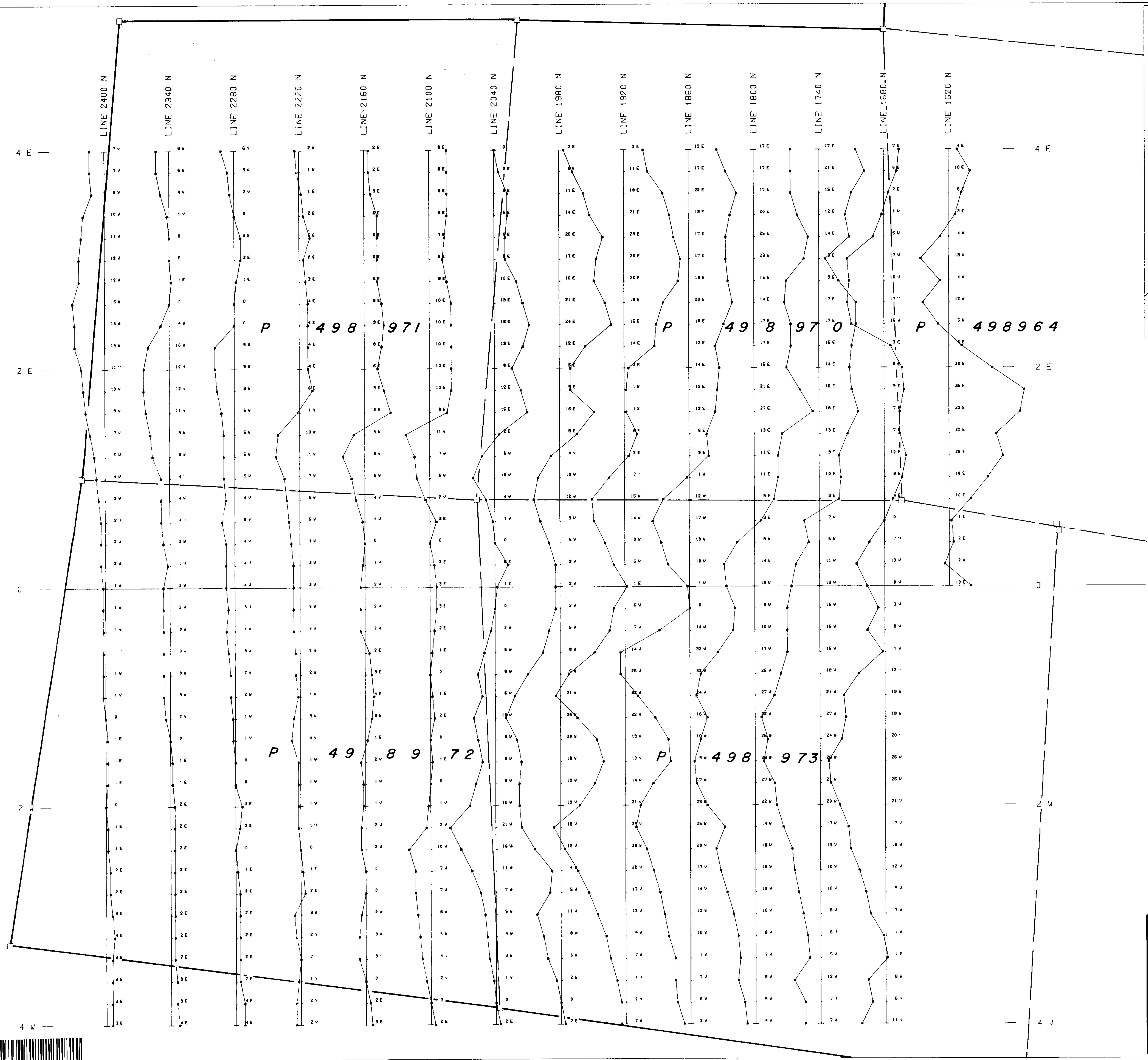
SHEET 3

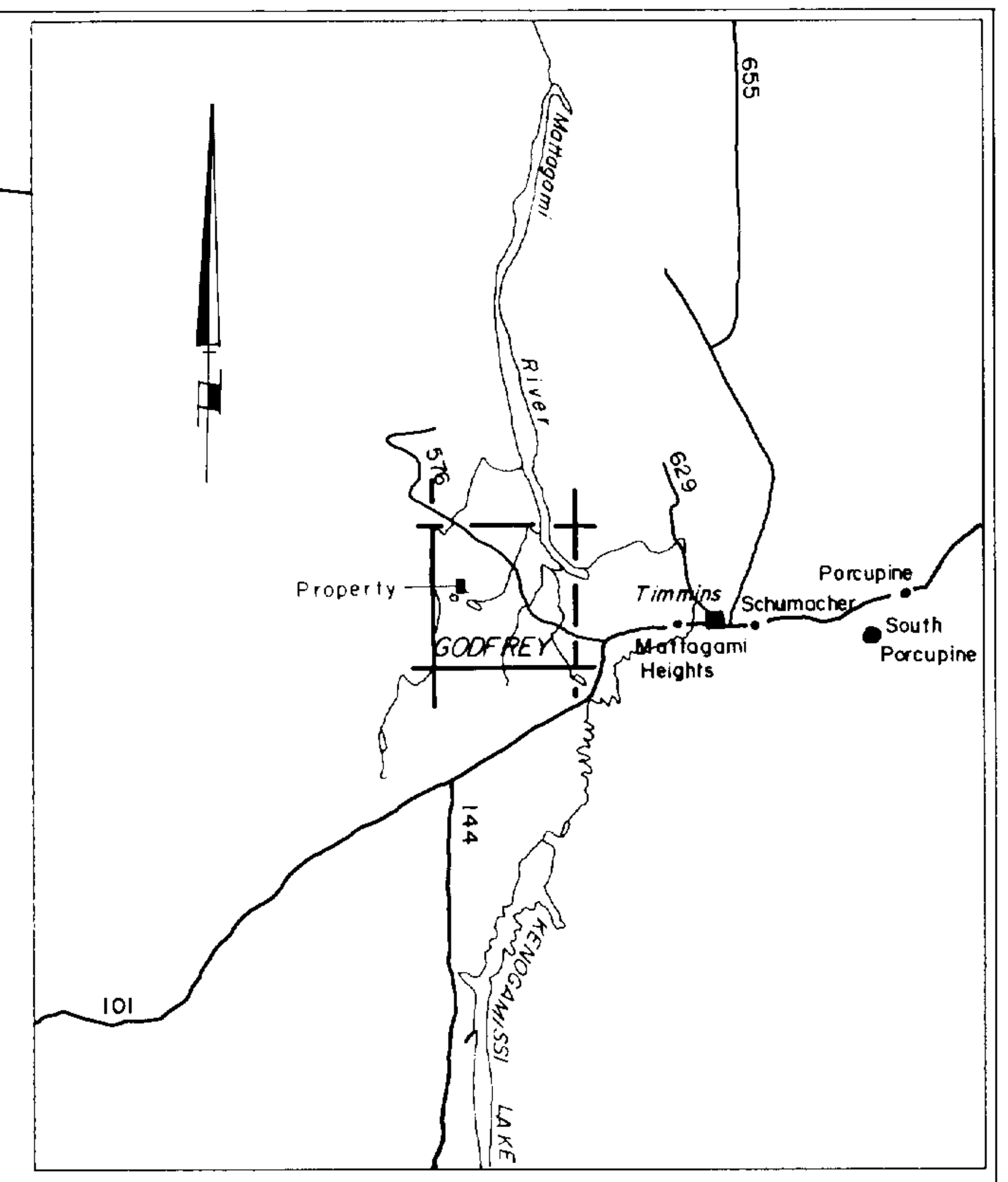
NTS: 42A12 PROJ.#242

WORK BY	DATE
	1980

42A12SE0410 2.3216 GODFREY

290





KEY MAP SCALE : 1" = 8 miles

LEGEND

DIP ANGLE (DEGREES)

12 E

INSTRUMENT : CRONE RADEM
STATION : ANNAPOLIS. 21.4 KHz
PROFILE SCALE : DIP ANGLE 1 CM= 10°

← W DIPS   E DIPS →

0 40 80 120 160 200
METRES (1:2000)

TEXASGULF CANADA LTD.

V L F SURVEY

ORIGINAL GODFREY 51

SHEET 4

NTS:42A12   PROJ.#242

WORK BY	DATE
	1980

42A12SE0412 2.3212 GODFREY

300

P 498965

P 498966

LINE 1380 N

LINE 1200 N

LINE 1060 N

LINE 930 N

LINE 864 N

LINE 780 N

LINE 720 N

LINE 606 N

P 24-451641

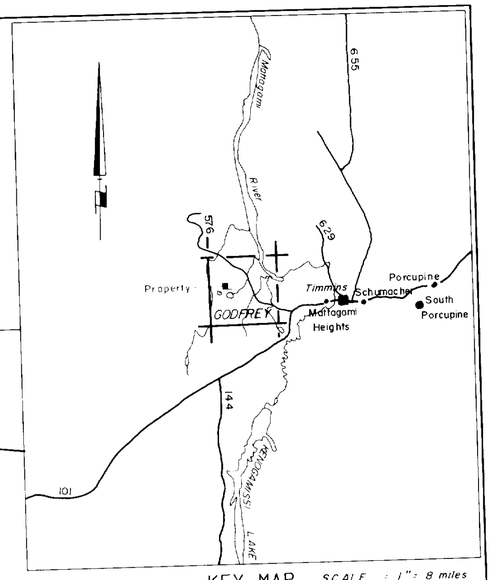
P 410464

P 498597

P 410425

P 410424

P 498598



KEY MAP SCALE : 1" = 8 miles

ASTRO

LEGEND

1777 Hz 444 Hz

IN-PHASE READINGS

QUADRATURE READINGS

INSTRUMENT : APEX PARAMETRICS MAXMIN II
FREQUENCY : 444 Hz AND 1777 Hz
COIL SPACING : 160 METERS
PROFILE SCALE : 1 CM= 10% (444 Hz)
: 1 CM= 10% (1777 Hz

← + READINGS − READINGS →

0 40 80 120 160 200

METRES (1:2000)

TEXASGULF CANADA LTD.

HORIZONTAL LOOP SURVEY

ORIGINAL GODFREY 51

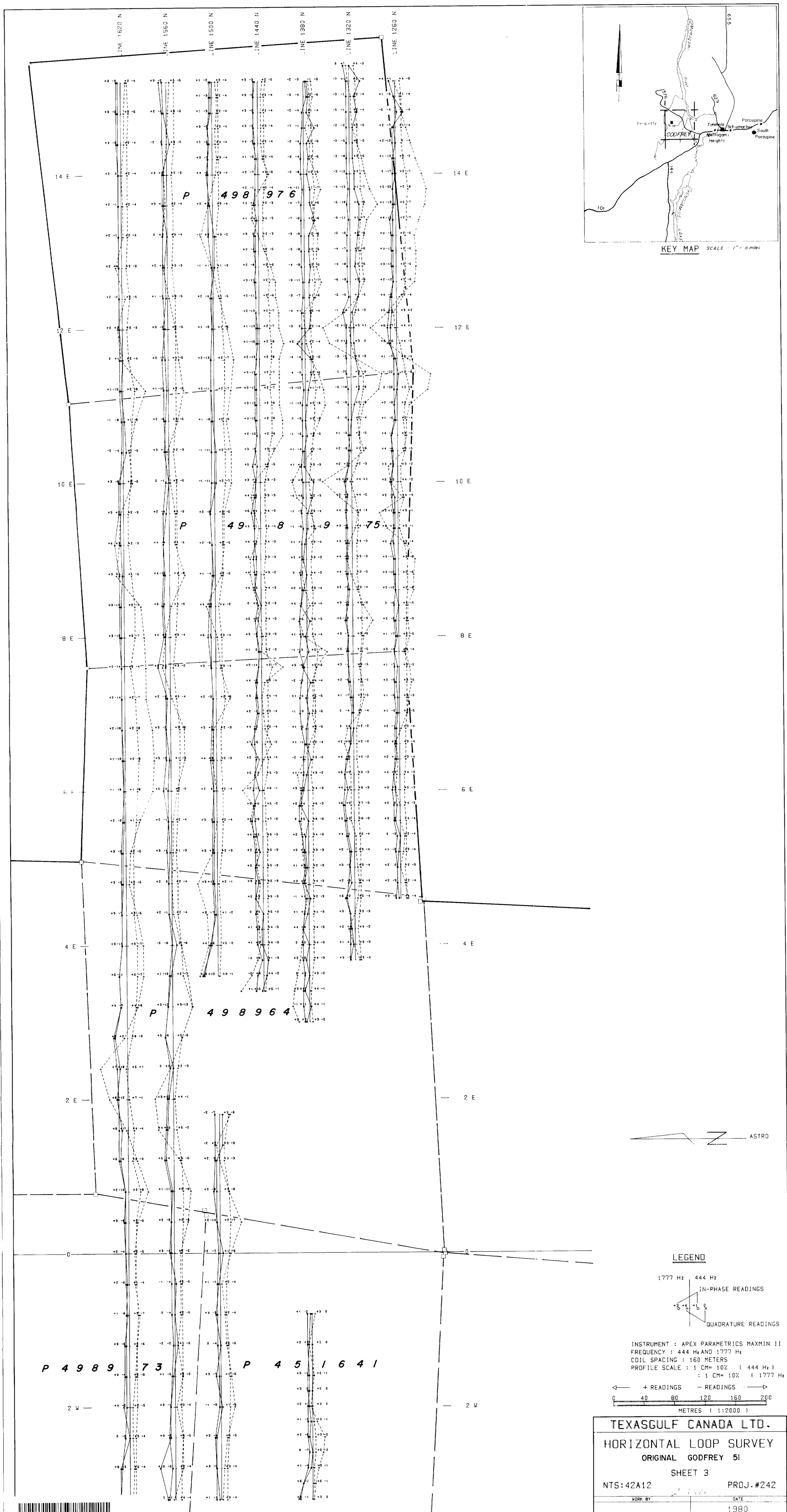
SHEET 2

NTS:42A12 PROJ.#242

WORK BY	DATE
	1980

42A12SE2410 P.3210 GODFREY

310


LINE 1620 N
LINE 1560 N
LINE 1500 N
LINE 1440 N
LINE 1380 N
LINE 1320 N
LINE 1260 N
14 E
12 E
10 E
8 E
6 E
4 E
2 E
0
2 W
P 498976
P 498975
P 498964
P 498973
P 451641
Property
GODFREY
Timmins
Schumacher
Porcupine
South Porcupine
Mattagami Heights
KEY MAP SCALE 1" = 8 miles
ASTRO
LEGEND
1777 Hz 444 Hz
IN-PHASE READINGS
QUADRATURE READINGS
INSTRUMENT : APEX PARAMETRICS MAXMIN II
FREQUENCY : 444 Hz AND 1777 Hz
COIL SPACING : 160 METERS
PROFILE SCALE : 1 CM= 10% (444 Hz)
: 1 CM= 10% (1777 Hz
+ READINGS
- READINGS
0 40 80 120 160 200
METRES (1:2000)
TEXASGULF CANADA LTD.
HORIZONTAL LOOP SURVEY
ORIGINAL GODFREY 51
SHEET 3
NTS:42A12
PROJ.#242
WORK BY
DATE
1980

LINE 2400 N

LINE 2280 N

LINE 2160 N

LINE 2040 N

LINE 1920 N

LINE 1800 N

LINE 1680 N

LINE 1620 N

P 49 8971

P 49 8970

P 498964

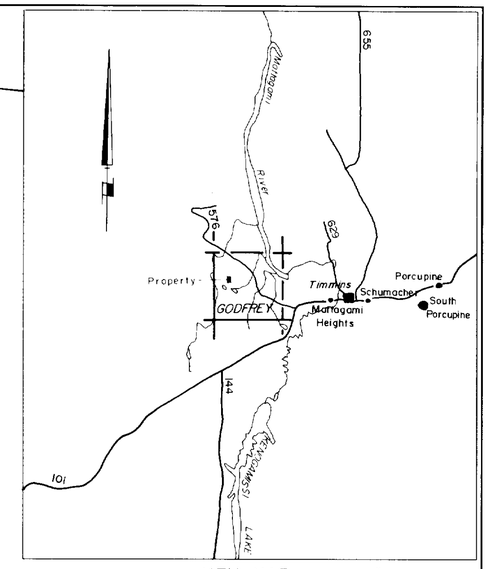
P 49 8972

P 49 8973

2 E

0

2 W



KEY MAP SCALE : 1" = 8 miles

ASTRO

LEGEND

1777 Hz 444 Hz

IN-PHASE READINGS

QUADRATURE READINGS

INSTRUMENT : APEX PARAMETRICS MAXMIN II
FREQUENCY : 444 Hz AND 1777 Hz
COIL SPACING : 160 METERS
PROFILE SCALE : 1 CM= 10% (444 Hz)
: 1 CM= 10% (1777 Hz)

← + READINGS — READINGS →

0 40 80 120 160 200

METRES (1:2000)

TEXASGULF CANADA LTD.

HORIZONTAL LOOP SURVEY

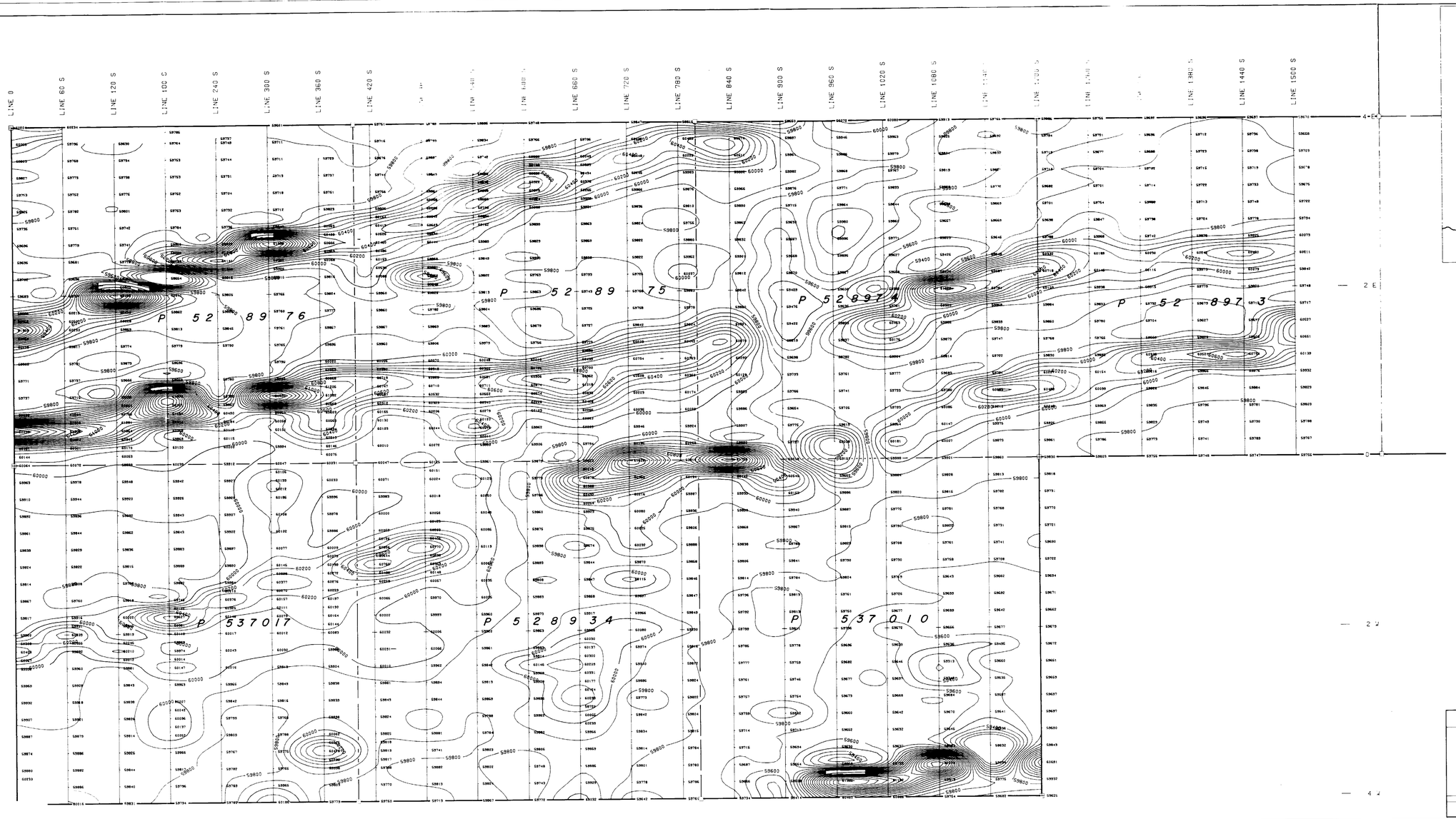
ORIGINAL GODFREY 51

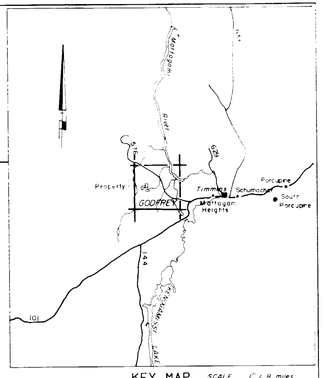
SHEET 4

NTS:42A12 PROJ.#242

WORK BY	DATE
	1980

42A12SE0410 2.3210 GODFREY





KEY MAP SCALE 1" = 8 miles

ASTRO

LEGEND

INSTRUMENT : GEOMETRICS GB16
TYPE : PROTON PRECESSION, TOTAL FIELD
READINGS IN GAMMAS
▲ MAGNETIC BASE STATION

0 40 80 120 160 200
METRES (1:2000)

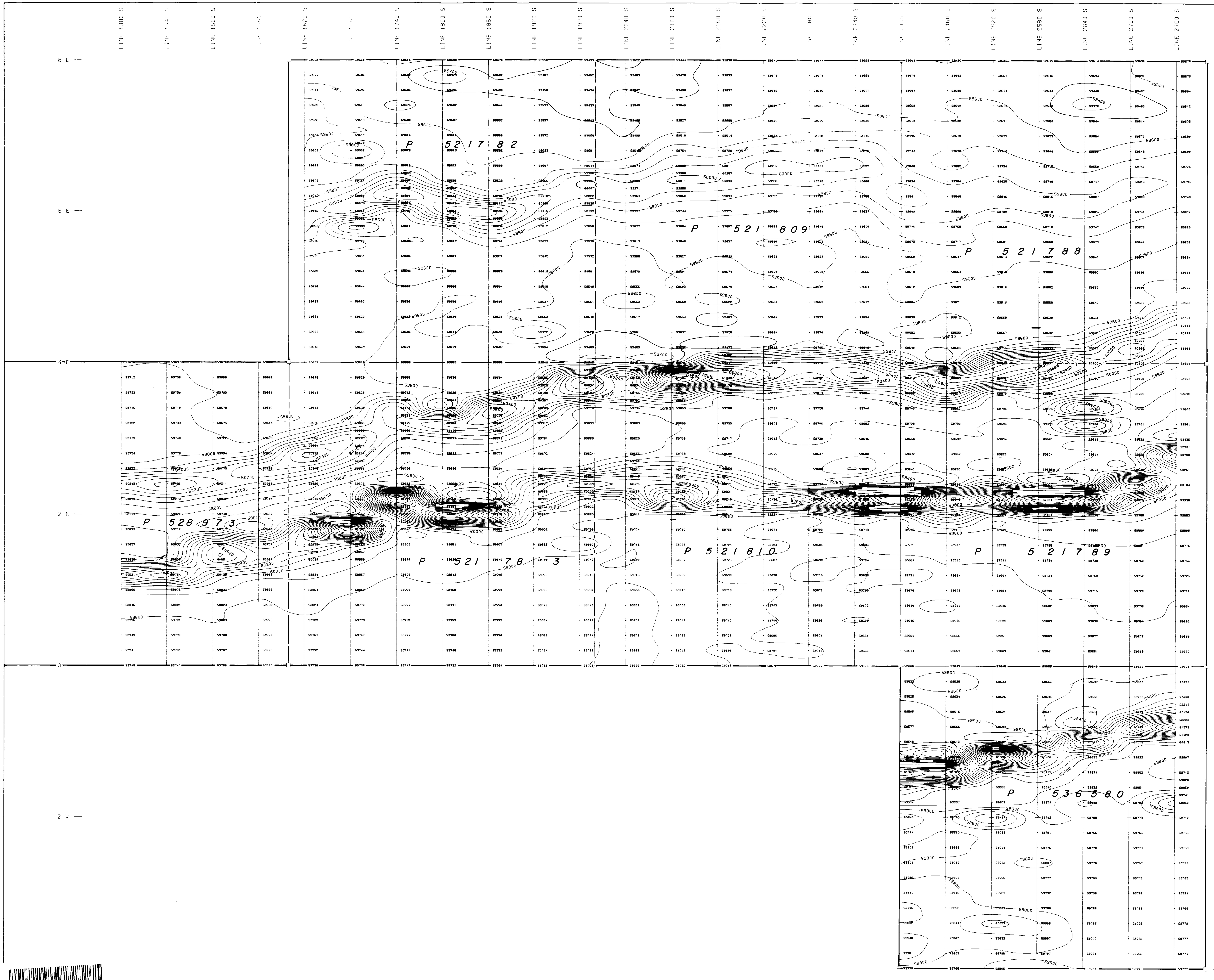
TEXASGULF CANADA LTD.

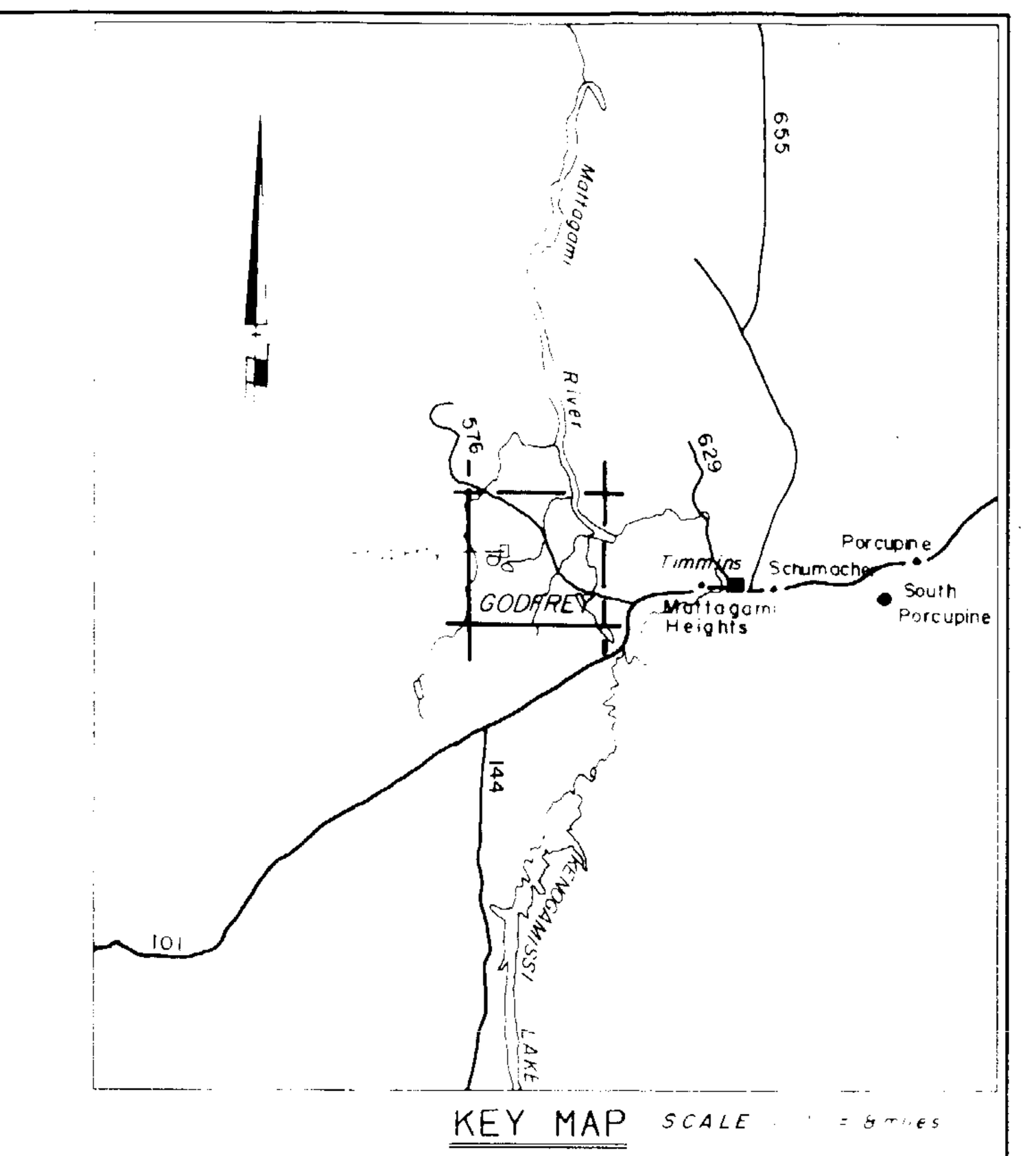
MAGNETIC SURVEY
GODFREY 51 NORTH
NORTH HALF

NTS: 42A12 PROJ.# 242

WORK BY	DATE
	1980

340





ASTRO

LEGEND

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

0 40 80 120 160 200
METRES (1:2000)

TEXASGULF CANADA LTD.

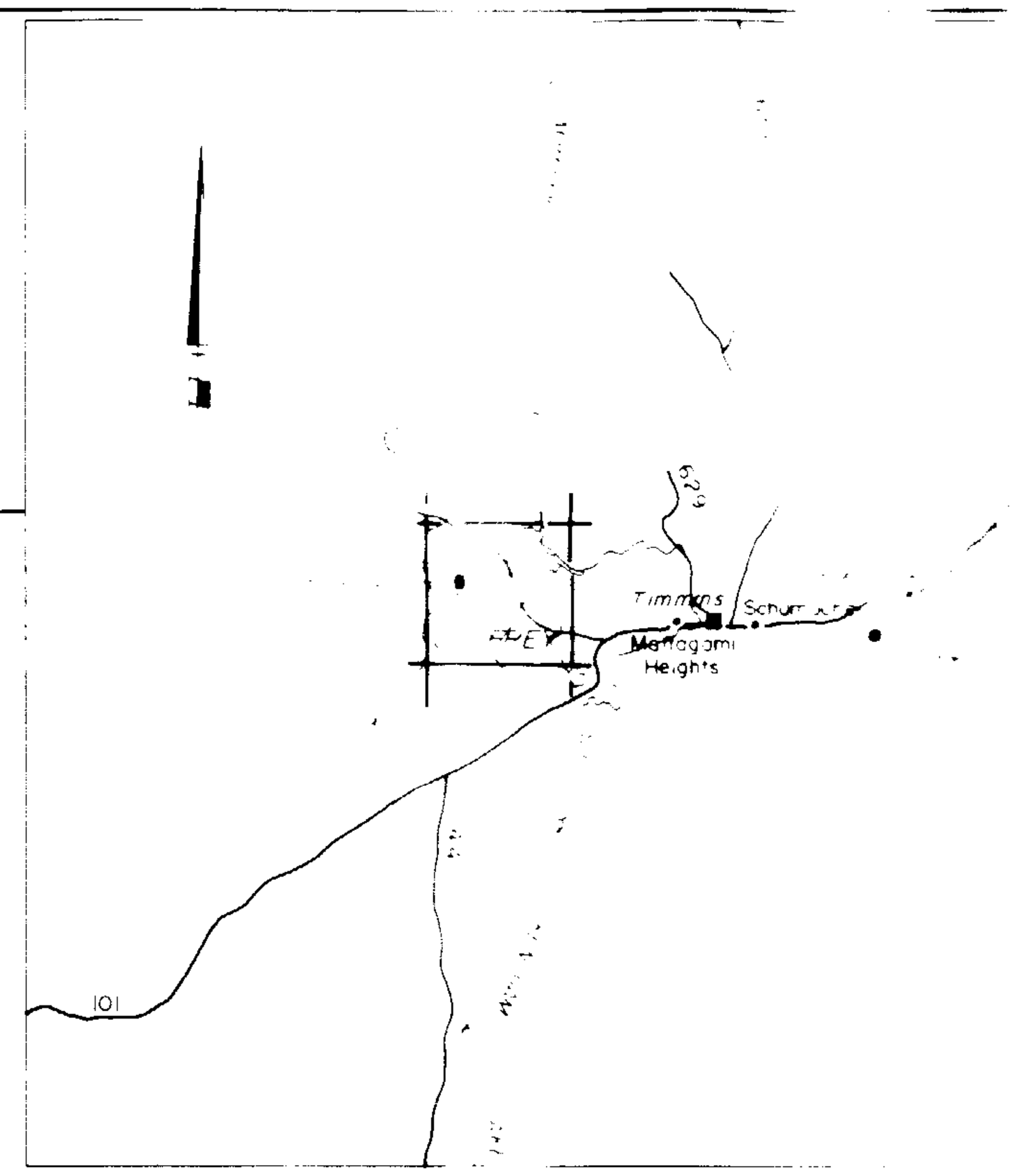
MAGNETIC SURVEY
GODFREY 51 NORTH
SOUTH HALF

NTS:42A12 PROJ.#242

WORK BY	DATE
	1980

[illegible]

350



KEY MAP SCALE

ASTRO

LEGEND

DIP ANGLE (DEGREES)

12 E

INSTRUMENT : CRONE RADEM
STATION : ANNAPOLIS, 21.4 KHz
PROFILE SCALE : DIP ANGLE 1 CM = 20°

← W DIPS E DIPS →

0 40 80 120 160 200
METRES 1:2000

TEXASGULF CANADA LTD.

V L F SURVEY
GODFREY 51 NORTH
NORTH HALF

DRAWN BY

360


LINE 1380 S
LINE 1440 S
LINE 1500 S
LINE 1560 S
LINE 1620 S
LINE 2040 S
LINE 2100 S
LINE 2160 S
LINE 2220 S
LINE 2280 S
LINE 2340 S
LINE 2400 S
LINE 2520 S
LINE 2640 S
LINE 2760 S
8 E
6 E
4 E
2 E
0
P 528 973
P 52 17 83
P 52 782
P 521 809
P 521 810
P 521 788
P 521 789
P 536 580
KEY MAP SCALE : 1" = 8 miles
Porcupine
South Porcupine
Timmins
Schumacher
Heights
GODFREY
Property
655
ASTRO
LEGEND
DIP ANGLE (DEGREES)
INSTRUMENT : CRONE RADEM
STATION : ANNAPOLIS, 21.4 KHz
PROFILE SCALE : DIP ANGLE 1 CM= 20°
W DIPS
E DIPS
0 40 80 120 160 200
METRES (1:2000)
TEXASGULF CANADA LTD.
V L F SURVEY
GODFREY 51 NORTH
SOUTH HALF
DRN BY
DATE
1980
370