FINAL REPORT

ON A

UTEM SURVEY

FOR

DAVE MEUNIER

IN

NIGHTHAWK LAKE AREA

BY

LAMONTAGNE GEOPHYSICS

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INTRODUCTION

THE UTEM SYSTEM MEASURES MAGNETIC AND ELECTRIC FIELD COMPONENTS USING A FIXED LOOP SOURCE. IN THIS CASE THE LOOP USED WAS RECTANGULAR IN SHAPE AND 1400m X 1000m IN SIZE. THE VERTICAL COMPONENT OF THE MAGNETIC FIELD WAS MEASURED ALONG FIVE LINES OF THE THIRTEEN LINE GRID. THE RESULTS ARE PLOTTED ON FIGS 1 THRU 5.

THE GENERAL PLOTTING FORMAT IS AS FOLLOWS:

1) LOWER PLOT: CHANNEL 1 ONLY; IN THIS MODE IT IS USED TO DETECT CHAINAGE ERROR.
2) MIDDLE PLOT: CHANNELS 2 THRU 5; SECONDARY FIELD, CHANNEL 1 REDUCED.
3) UPPER PLOT: CHANNELS 5 THRU 9; SECONDARY FIELD, CHANNEL 1 REDUCED.

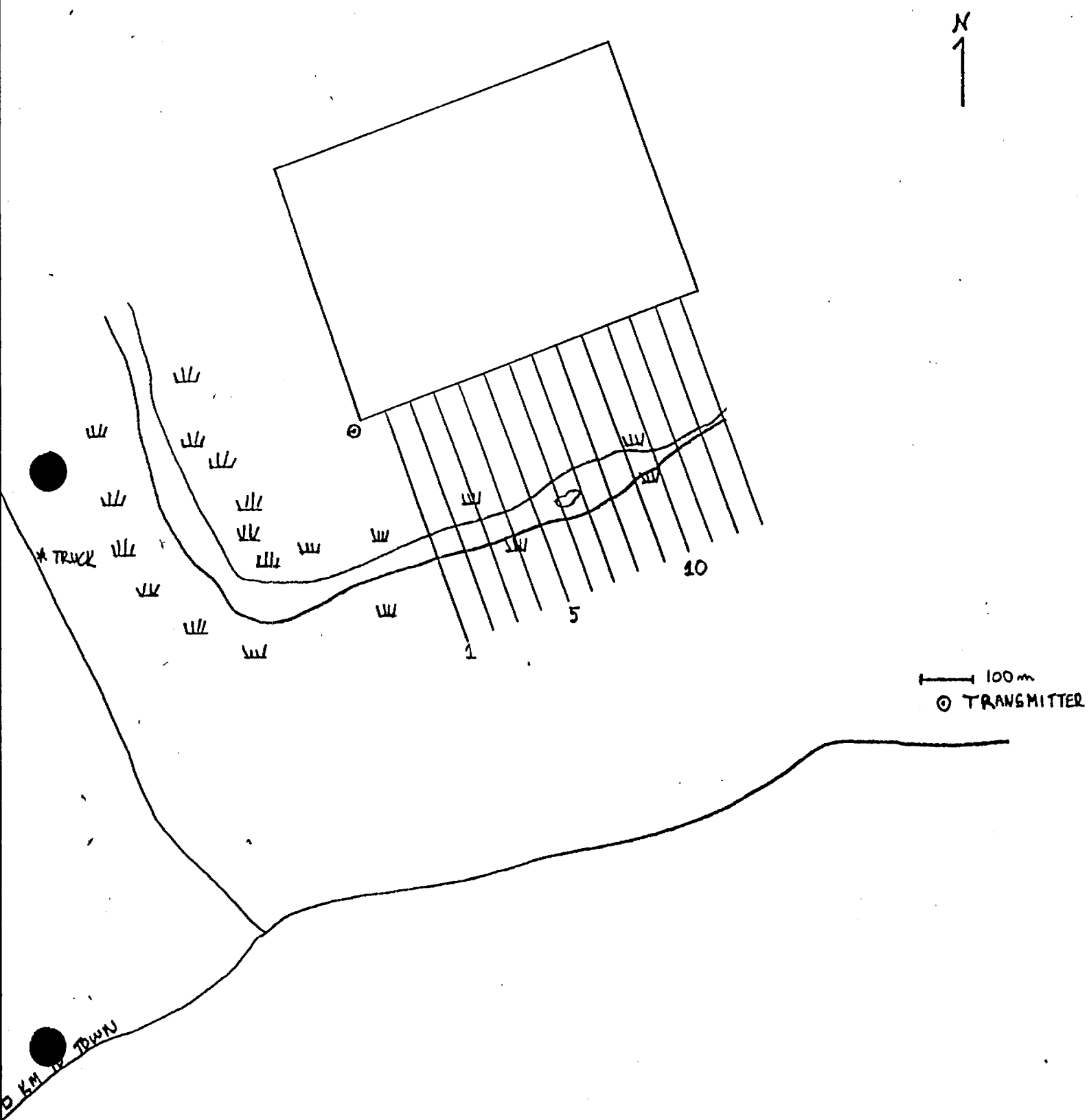
THE PLOTTING SYMPOLS AS WELL AS SOME EXAMPLES OF FIELD DATA ARE PRESENTED IN APPENDIX 1 IN ORDER TO ILLUSTRATE THE SYSTEMS' BEHAVIOR IN SPECIFIC CIRCUMSTANCES.

PRODUCTION DIARY

THE SURVEY CONSISTED OF TWO TRIPS TO THE AREA, THE INITIAL ATTEMPT WAS CANCELLED DUE TO SEASONAL BREAKUP CONDITIONS. THE FIRST ATTEMPT RESULTED IN LINES 500E AND 600E BEING READ WITH THE VERTICAL COMPONENT. THE SECOND TRIP CONCLUDED THE SURVEY WITH LINES 900E, 1000E, 1100E BEING READ WITH THE VERTICAL COMPONENT. THE FOLLOWING IS A DAY BY DAY ACCOUNT:

DATE	ACTIVITY
APRIL 13	MOB
" 14,15	LOOP LAYOUT
" 16	STANDBY
" 17	READ LINES 500E,600E
" 18	DEMOB
AUGUST 7	MOB
" 8	LOOP REPAIR
" 9	LOOP REPAIR (1/2 PRODUCTION DAY)
" 10	DOWN DAY
" 11	READ LINES 900E, 1000E, 1100E
" 12	DEMOB

LOOP AND GRID LAYOUT



INTERPRETATION

LINE 500E

IN GENERAL THE AREA IS FAIRLY RESISTIVE AS INDICATED BY NO RESPONSE ON CHANNELS 2 THRU 5. THE RESPONSE OF THIS LINE IS INTERPRETED AS AN OVERBURDEN RESPONSE WITH AN EFFECT , NEAR THE END OF THE LINE, OF A LOW CONDUCTIVITY ZONE SUPERIMPOSED. THE OVERBURDEN RESPONSE CAN BE APPROXIMATED BY A HORIZONTAL SHEET OF LOW CONDUCTIVITY AND SHALLOW DEPTH. DUE TO THE SIZE OF THE RESPONSE NEAR THE LOOP,AND HAVING ASSUMED THE HORIZONTAL SHEET MODEL, IT IS APPARENT THAT THE EDGE OF THE SHEET IS NEAR; THIS AGREES WITH THE KNOWN FAULT IN THE VICINITY.

THE EFFECTS OF THE LOW CONDUCTIVITY ZONE ARE MOST NOTABLE ON THE EARLY TIME CHANNELS, 9-7; NOTICE THE UPWARD PULL OF THESE CHANNELS FROM THE GENERAL NEGATIVE TREND FROM STATION 650S TO THE END OF THE LINE. IN A TYPICAL OVERBURDEN ANOMALY THE CHANNELS WOULD HAVE CONTINUED THEIR NEGATIVE TREND, IN THE CASE OF CHANNEL 7 THE RESPONSE IS FORCED TO BE ENTIRELY POSITIVE. COMPARE THIS WITH LINE 1100E WHICH IS MORE REPRESENTATIVE OF A SIMPLE OVERBURDEN RESPONSE.

IN AN EFFORT TO SEE THE EFFECTS ON THE LATE TIME CHANNELS FIG 1 WAS PLOTTED USING AN EXPANDED SCALE, FIG 1.2. FIG 1.2 SHOWS A VERY SMALL BUT REAL RESPONSE. THIS RESPONSE CANNOT BE EASILY INTERPRETED FOR TWO REASONS: a) THE SIZE OF THE ANOMALY IS COMPAREAPLE TO THE INSTRUMENTS' READING REPEATAPILITY. b) ONLY PART OF THE ANOMALY HAS BEEN MEASURED. THE CONDUCTOR CAUSING THIS ANOMALY COULD BE VERY SMALL AND LYING AT A DEPTH OF VERY ROUGHLY 100m. IF THIS IS CAUSED BY A BEDROCK CONDUCTOR THE BODY WOULD PROBABLY HAVE A STRIKE LENGTH NO GREATER THAN 50m.

LINE 600E

LINE 600E DISPLAYS MUCH OF THE SAME CHARACTER AS LINE 500E BUT WITH A SLIGHTLY LARGER RESPONSE IN THE OVERBURDEN INDICATING A CLOSER VACINITY TO THE EDGE OF THE OVERPURDEN. THE SECONDARY EFFECTS OF THE ZONE NEAR THE END OF THE LINE ARE ALSO PRESENT ON THIS LINE BUT NO FURTHER INFORMATION CAN BE EXTRACTED.

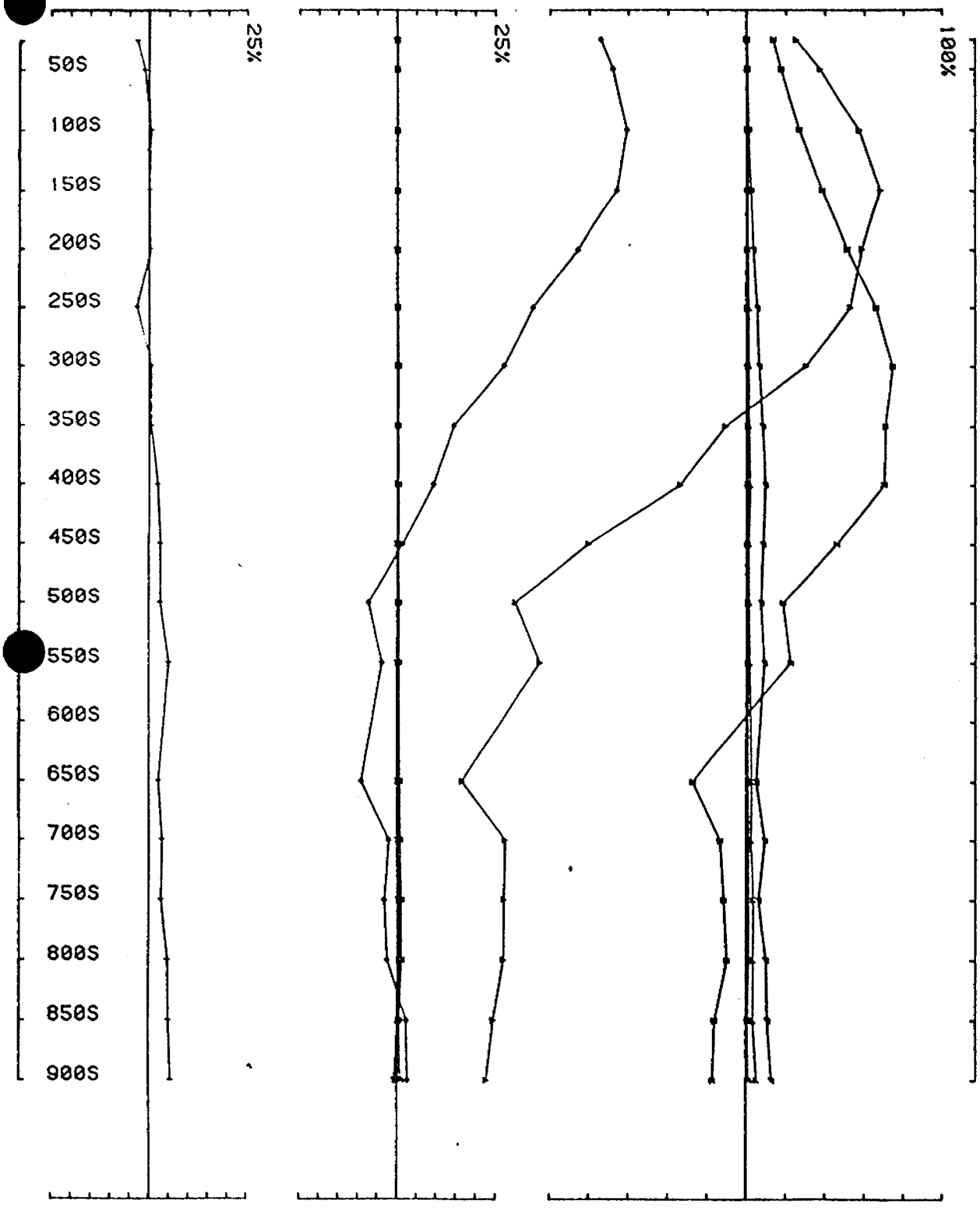
LINES 900E, 1000E, 1100E

LINES 900E,1000E,1100E SHOW NO SIGNS OF ANY SIGNIFICANT CONDUCTORS AND THE RESPONSE CAN ALMOST ENTIRELY BE APPROXIMATED BY A HORIZONTAL SHEET OVERBURDEN MODEL. NOTICE THAT THERE IS NO EFFECTS NEAR THE END OF THE LINES ON THE EARLY CHANNELS, 9-6, AND THE NOISE LEVEL MAKES IT IMPOSSIBLE TO INFER ANY SMALL SCALE EFFECTS ON THE LATER TIME CHANNELS, 5-2.

CONCLUSIONS

IN GENERAL THE SURVEY SITE IS FAIRLY RESISTIVE WITH NO MAJOR CONDUCTORS DETECTED ALONG THE LINES SURVEYED. THE MEASURED RESPONSES ARE TYPICAL OF OVERBURDEN ANOMALIES WITH THE EXCEPTION OF A MINOR ANOMALY WHICH WAS NOT DETAILED. IT IS NOT POSSIBLE TO DESCRIBE THIS CONDUCTOR WITHOUT FURTHER COVERAGE, BUT DUE TO THE APPARENT SMALL SIZE OF THE CONDUCTOR THIS IS NOT RECOMENDED.

FIG-1

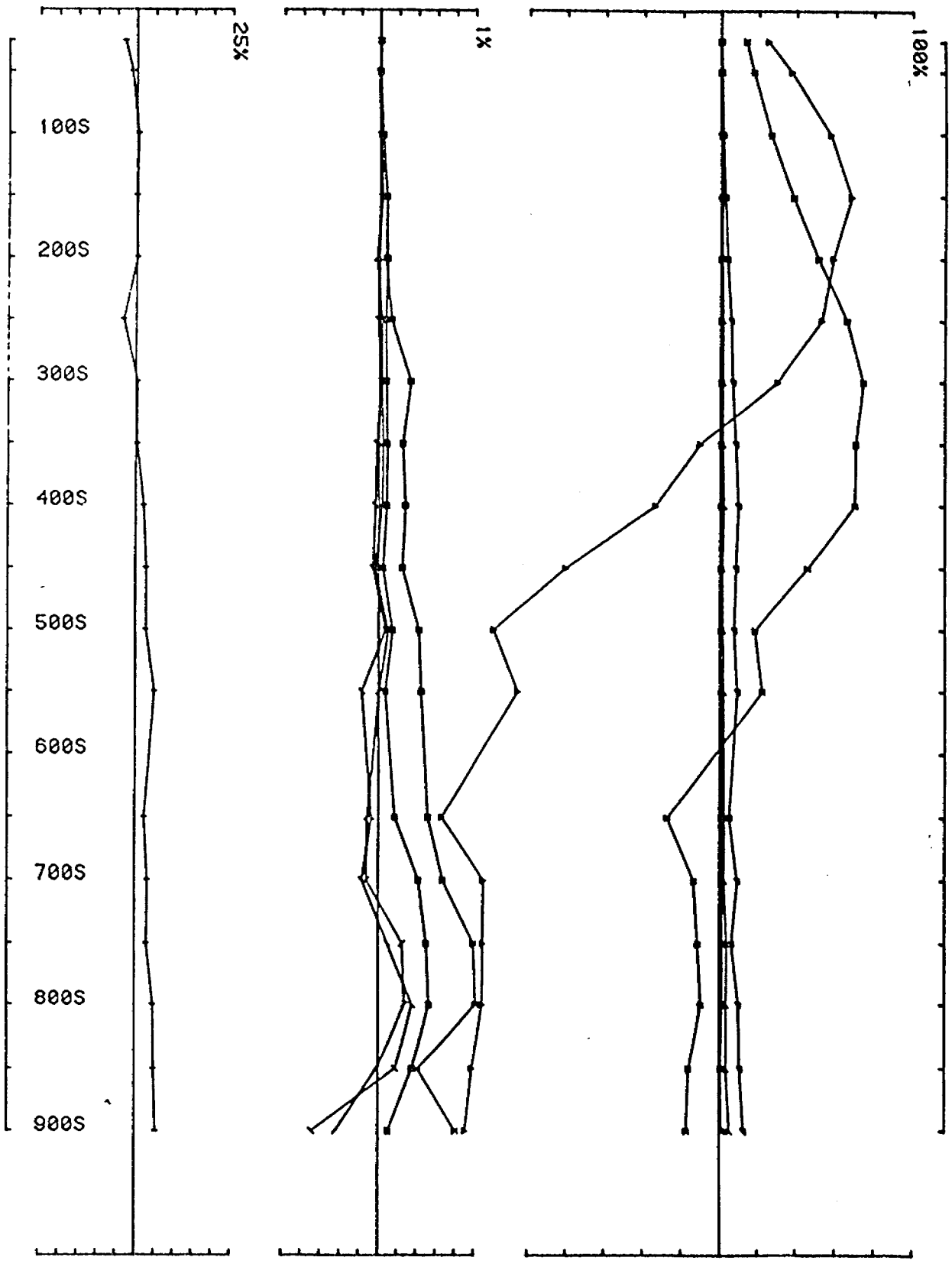


UTEM SURVEY conducted by LGL Job 1234

Project Area SOUTH PORCUPINE Survey for DAVE MEUNIER Freq(hz) 30.974

Loop no 1001 Line 500E component Hz secondary Ch 1

FIG-1b

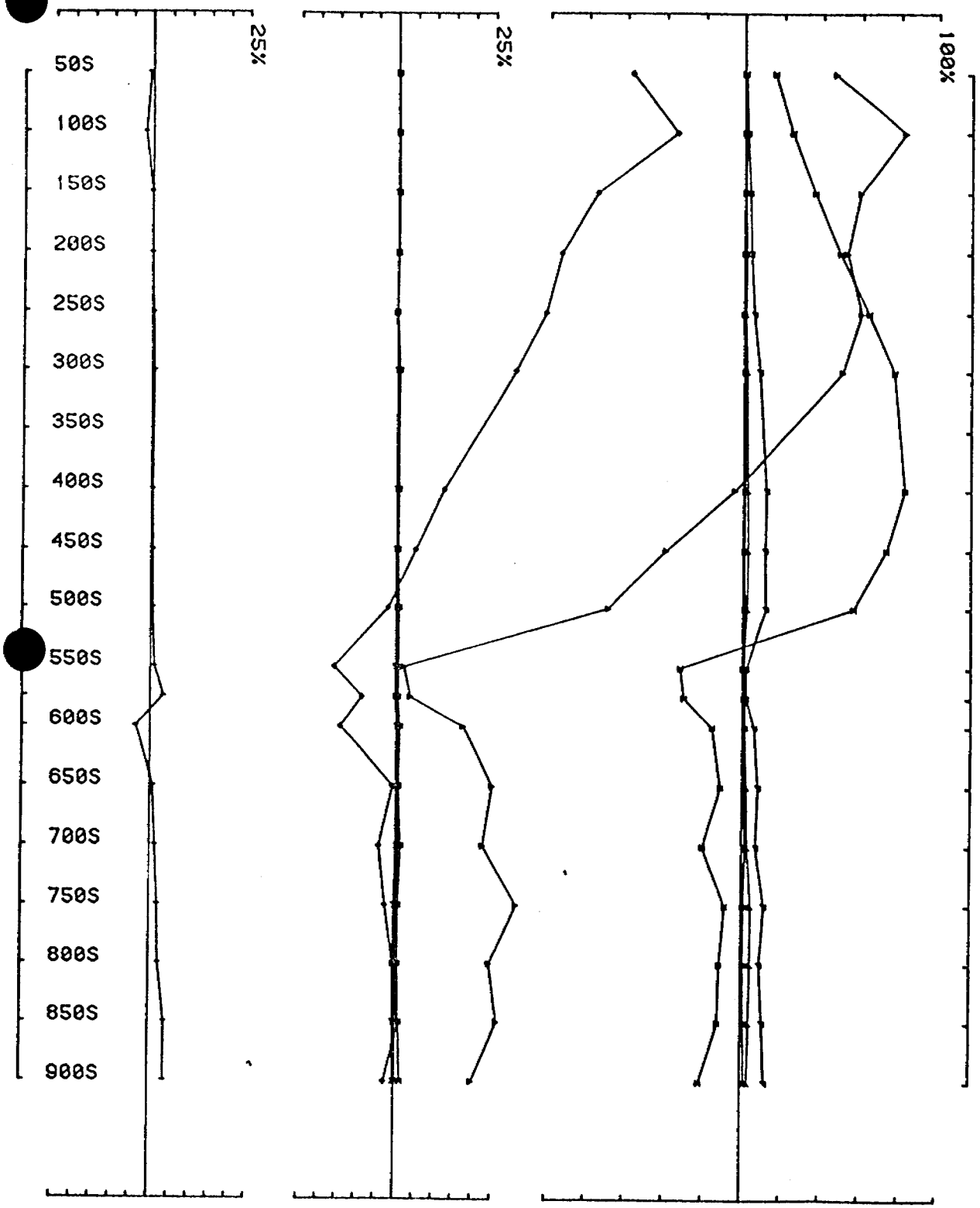


UTEM SURVEY conducted by LGL Job 1234

Project Area SOUTH PORCUPINE Survey for DAVE MEUNIER Freq(hz) 30.974

Loop no 1001 Line 500E component Hz secondary Ch 1

FIG-2

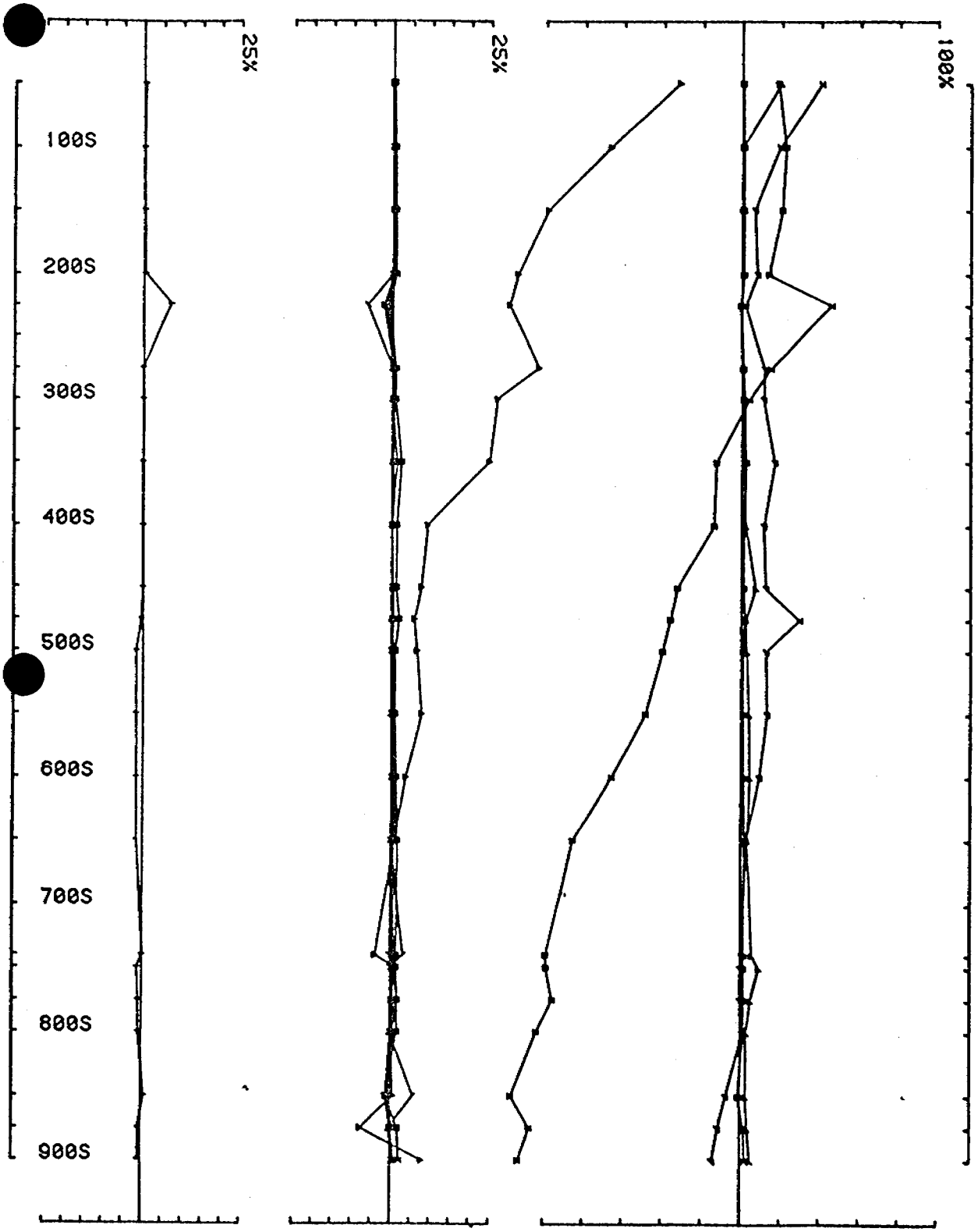


UTEM SURVEY conducted by LGL Job 1234

Project Area SOUTH PORCUPINE Survey for DAVE MEUNIER Freq(hz) 30.974

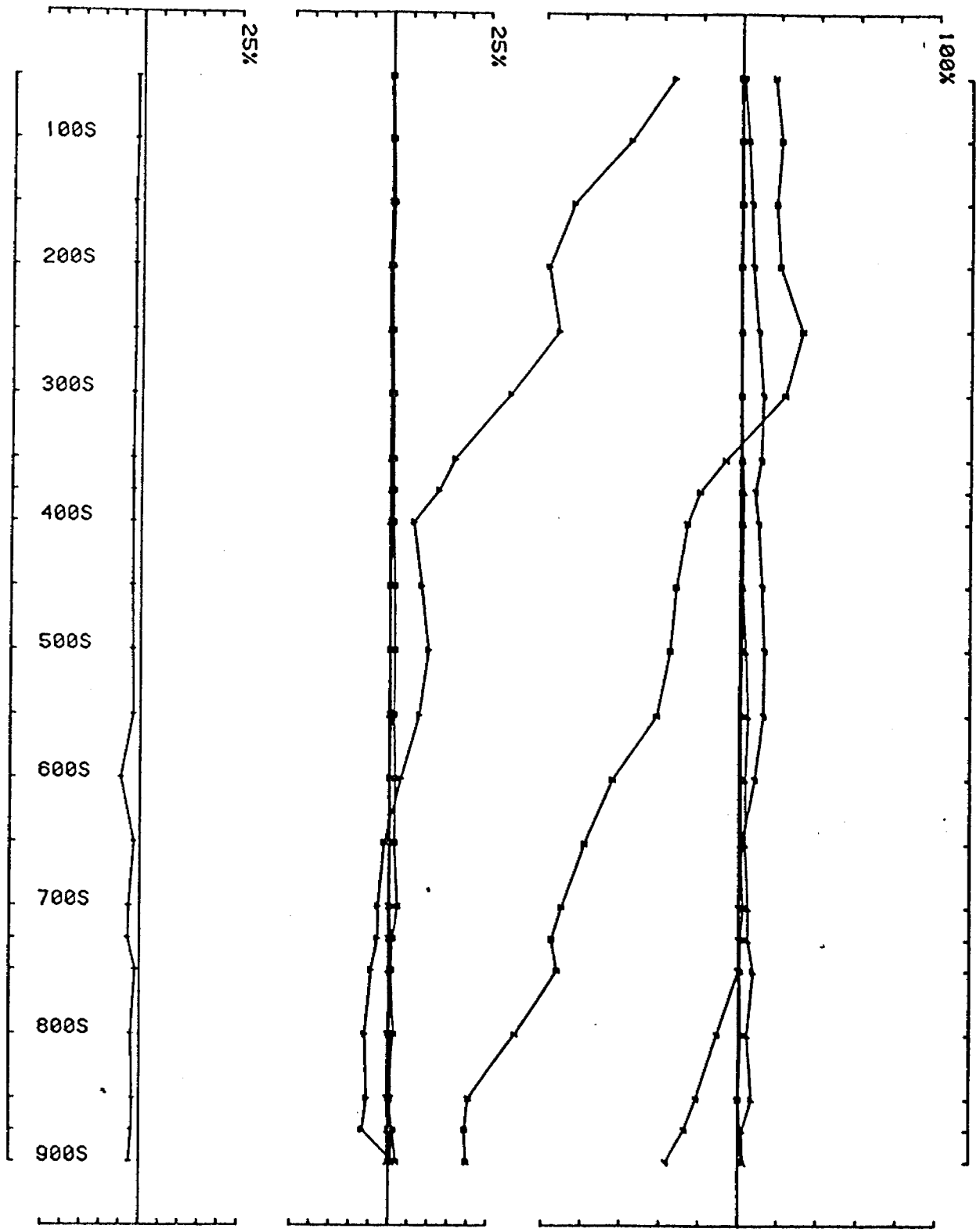
Loop no 1001 Line 600E component Hz secondary Ch 1

FIG-3



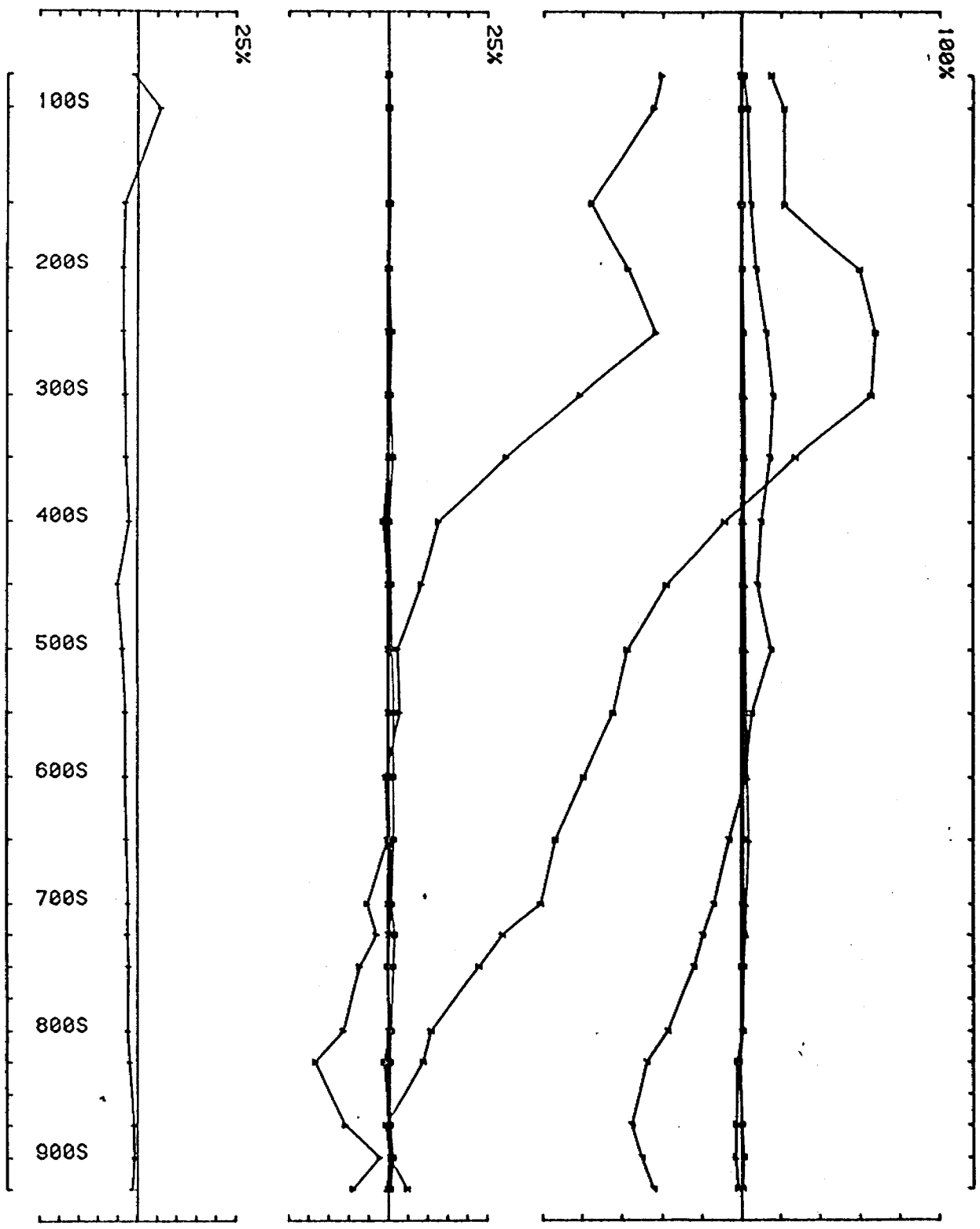
UTEM SURVEY conducted by Lamontagne Geophysics Job 01
Project Area SOUTH PORCUPINE Survey for DAVE MEUNIER Freq(Hz) 30.974
Loopno 0001 Line 900E component Hz secondary Ch 1

FIG-4



UTEM SURVEY conducted by Lamontagne Geophysics Job 01
Project Area SOUTH PORCUPINE Survey for DAVE MEUNIER Freq(hz) 30.974
Loop no 0001 Line 1000W component Hz secondary Ch 1

FIG-5



UTEM SURVEY conducted by Lamontagne Geophysics Job 01

Project Area SOUTH PORCUPINE Survey for DAVE MEUNIER Freq(hz) 30.974

Loop no 0001 Line 1100E component Hz secondary Ch 1

APPENDIX 1

EXAMPLES OF UTEM DATA

These examples show UTEM field and model data for the most standard component measured, the vertical magnetic field (Hz). The sampling used in these plots is the standard 10 channel binary sampling and the base frequency was either 15.5 Hz or 31 Hz; two of the more common frequencies used.

Examples of UTEM 2 and UTEM 3 data are presented. The UTEM 2 and UTEM 3 data are geophysically identical but the UTEM 3 system produces data with a precision 3 to 5 times better than the former UTEM 2 data in the same circumstances. The various examples presented are briefly explained on each plot.

In support of the high quality instrumentation, Lamontagne Geophysics offers an extensive interpretation package involving scale model data, interpretation manual and type curves, forward model fitting of layers and plates, and such state of the art interpretation as Lamontagne Geophysics exclusive 'Depth Image Processing' and soon to be available interactive graphic field/scale model fitting techniques. For sounding applications, a fast first look method of processing the data can transform the continuous profile sounding data ('spider plot') to an apparent resistivity section.

Two examples of the extensive type curve library (255 models X 2 components X 2 methods of normalization) are supplied for illustration purposes but all or portions specifically requested are available for sale from Lamontagne Geophysics.

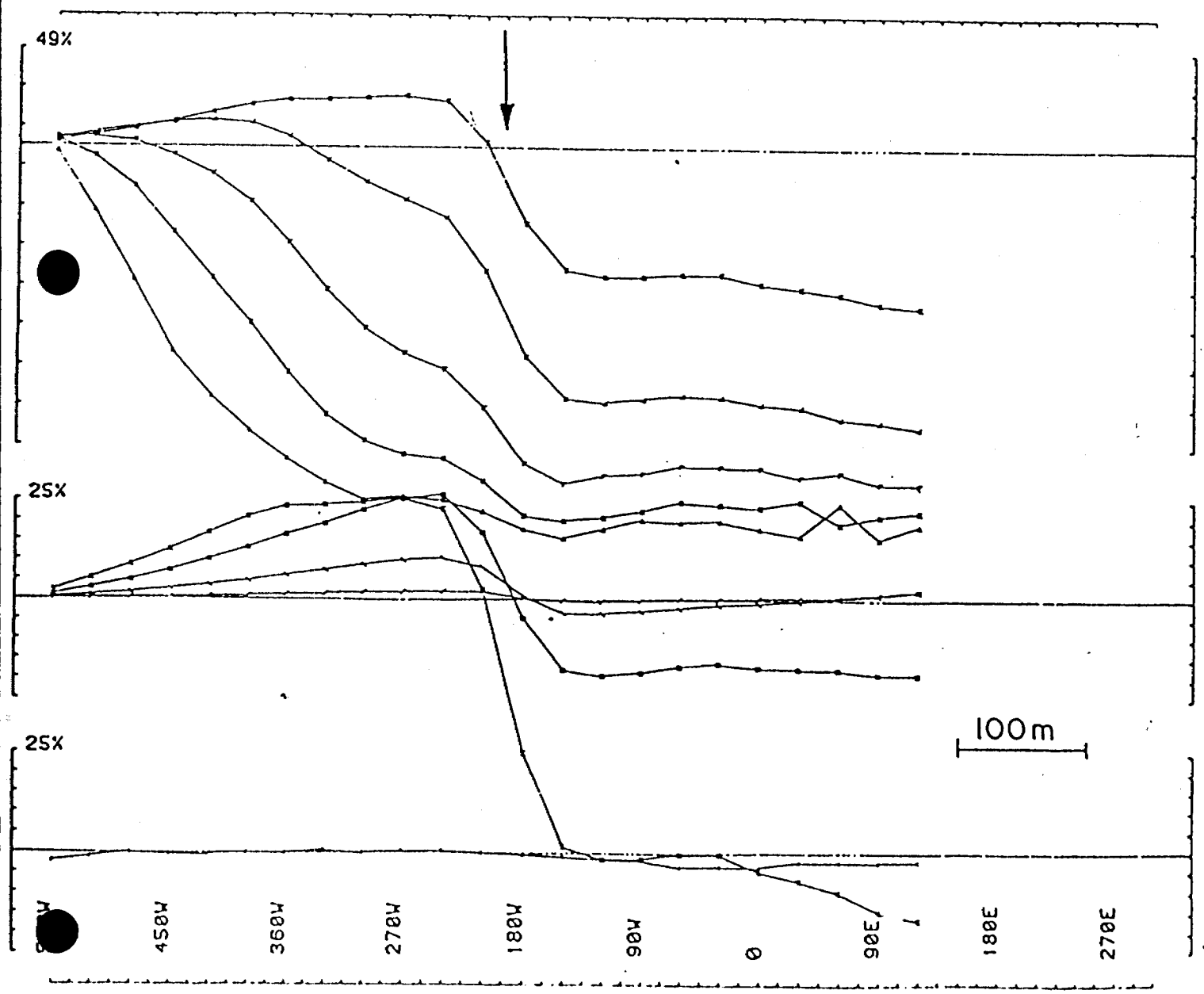
The main advantages of UTEM over conventional transient FM systems are that its waveform is optimized to penetrate deeper in a conductive earth, and the whole waveform is sampled so that all the response excited by the transmitter is measured, rather than one quarter or less as is the case with pulse FM waveforms. The advantage of UTEM grows rapidly for longer decays where only a minute fraction of the response power is within the off-time window sampled by a pulse system.

UTEM PLOTTING SYMBOLS

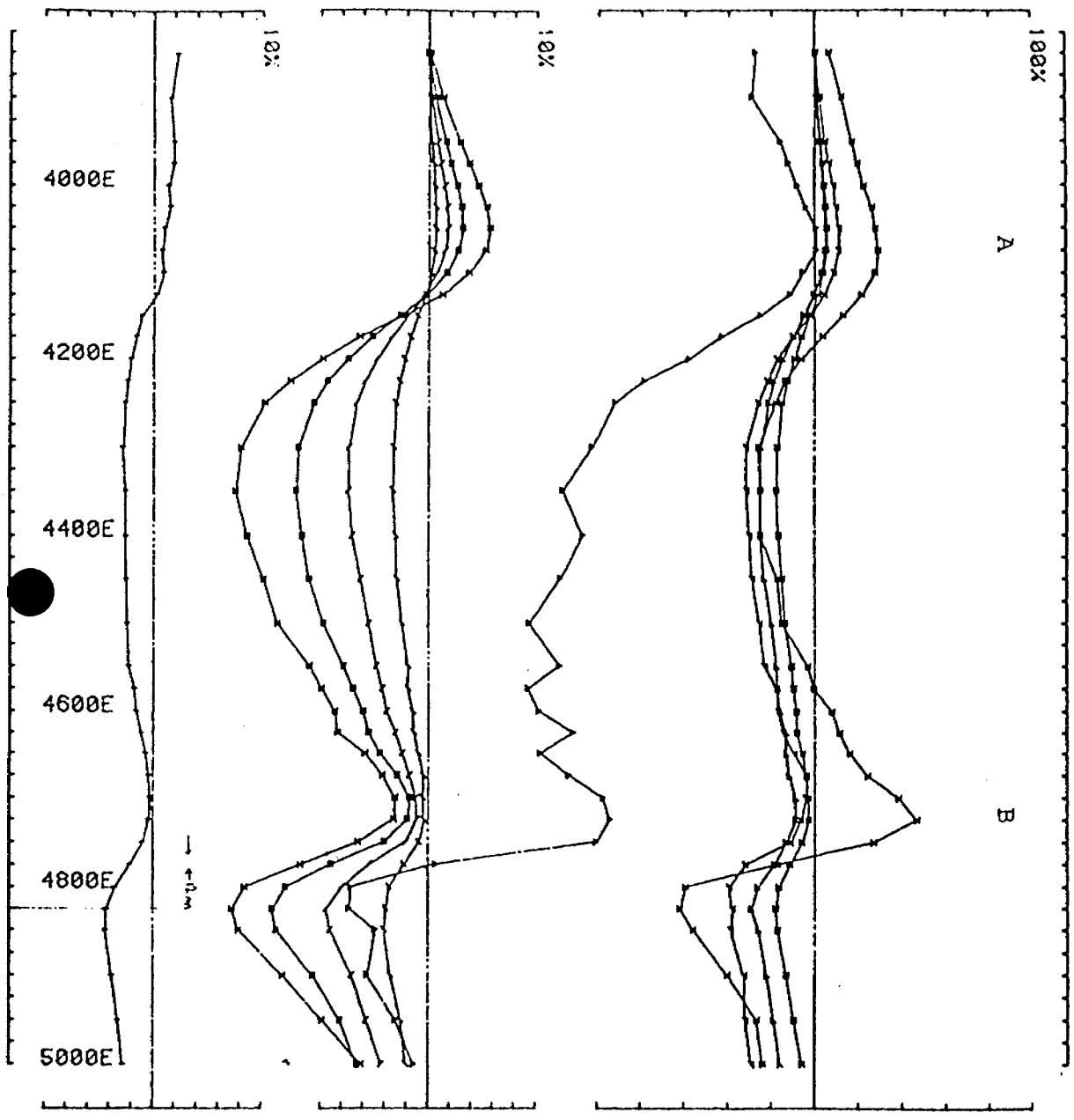
CHANNEL	SYMBOL	MEAN DELAY (msec) 30Hz	15.5Hz
1		12.8	25.6
2		6.4	12.8
3		3.2	6.4
4		1.6	3.2
5		0.8	1.6
6		0.4	0.8
7		0.2	0.4
8		0.1	0.2
9		0.05	0.1
10		0.025	0.05

CONDUCTOR UNDER 3.0 S WEATHERED LAYER

$\sigma t = 7S \quad d = 75m$



UTEM 3

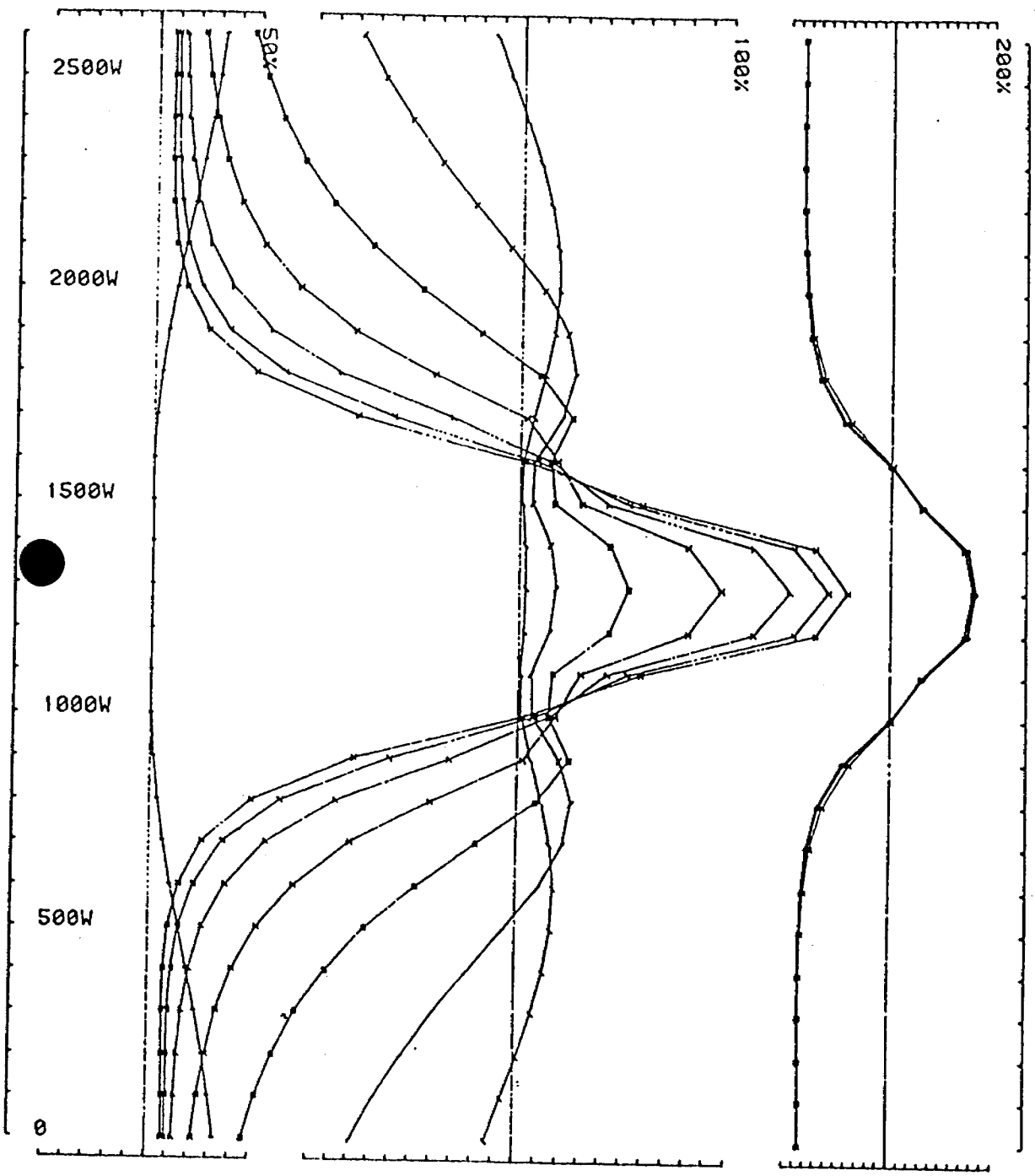


UTEM 3

MULTIPLE CONDUCTOR: Loop to the West

A) DEPTH: 60m CONDUCTANCE: 200S SHAPE: Wedge
SIZE: 700m x 150m x 10m

B) DEPTH: 140m CONDUCTANCE: 120S SHAPE: Tabular
SIZE: 500m x 250m x 5m

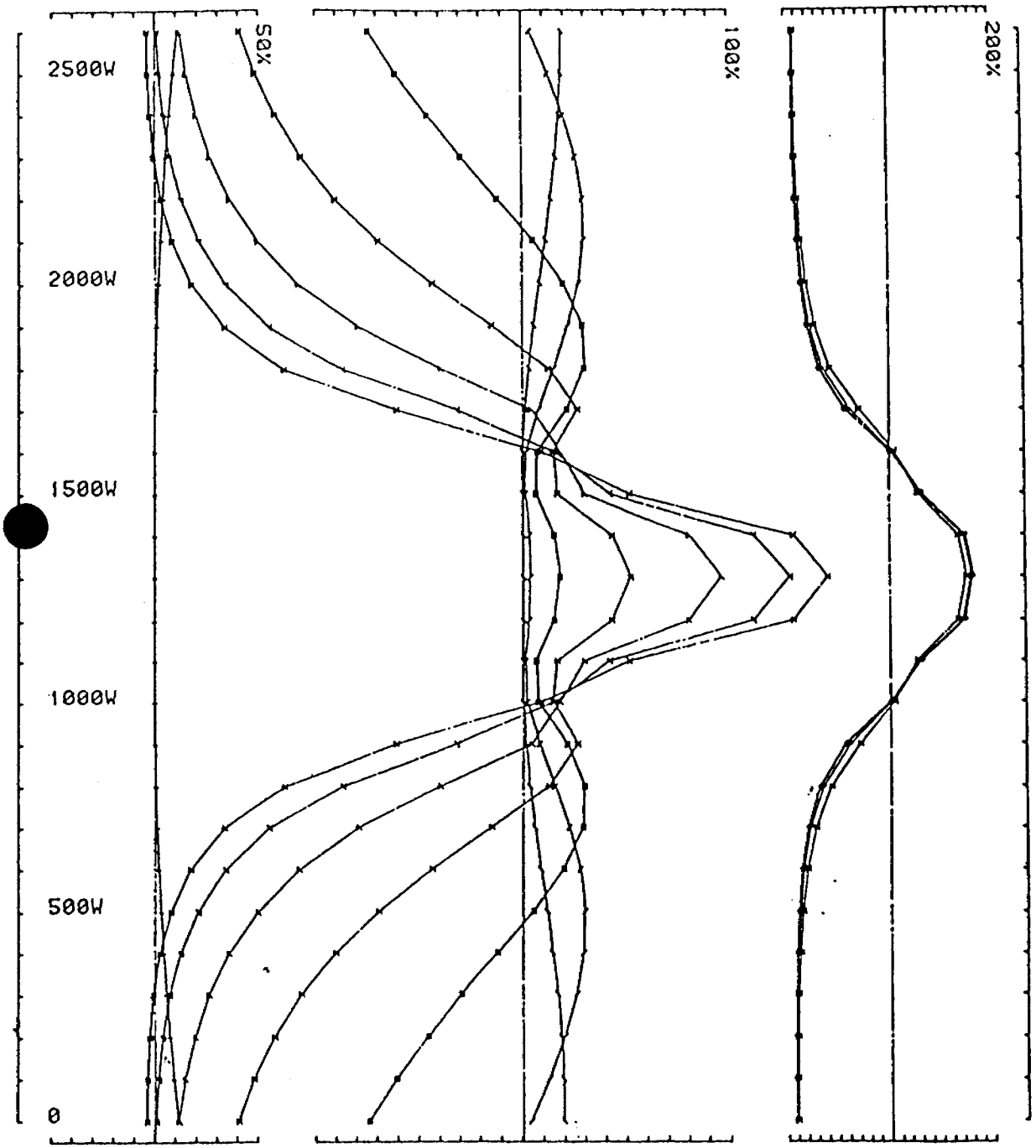


UTEM 3 "SPIDER PLOT" Example

Continuous Line Through Loop , computed response

Thin Layer Response: DEPTH: 50m

CONDUCTANCE: 20S

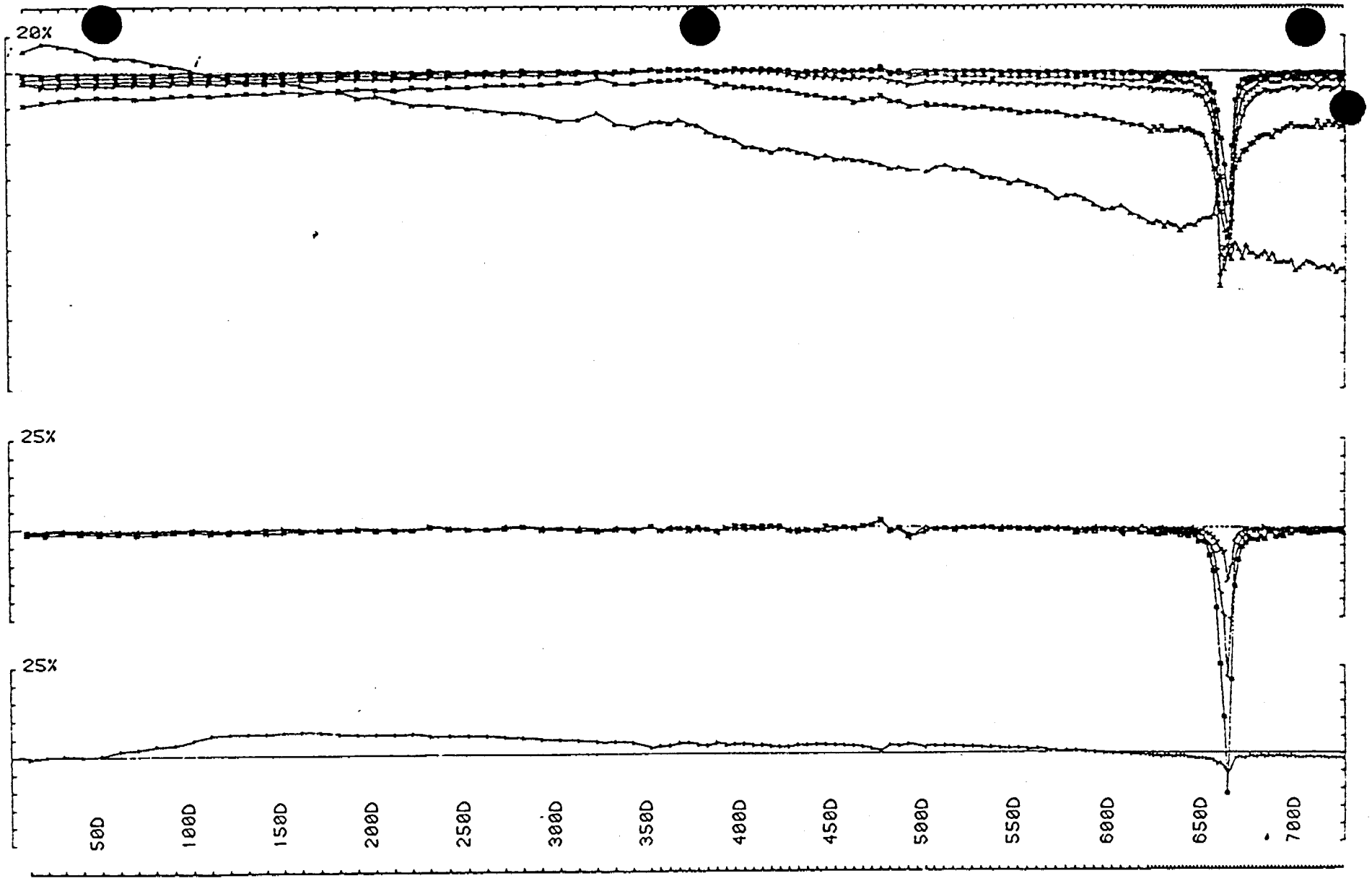


ITEM 3 "SPIDER PLOT" Example

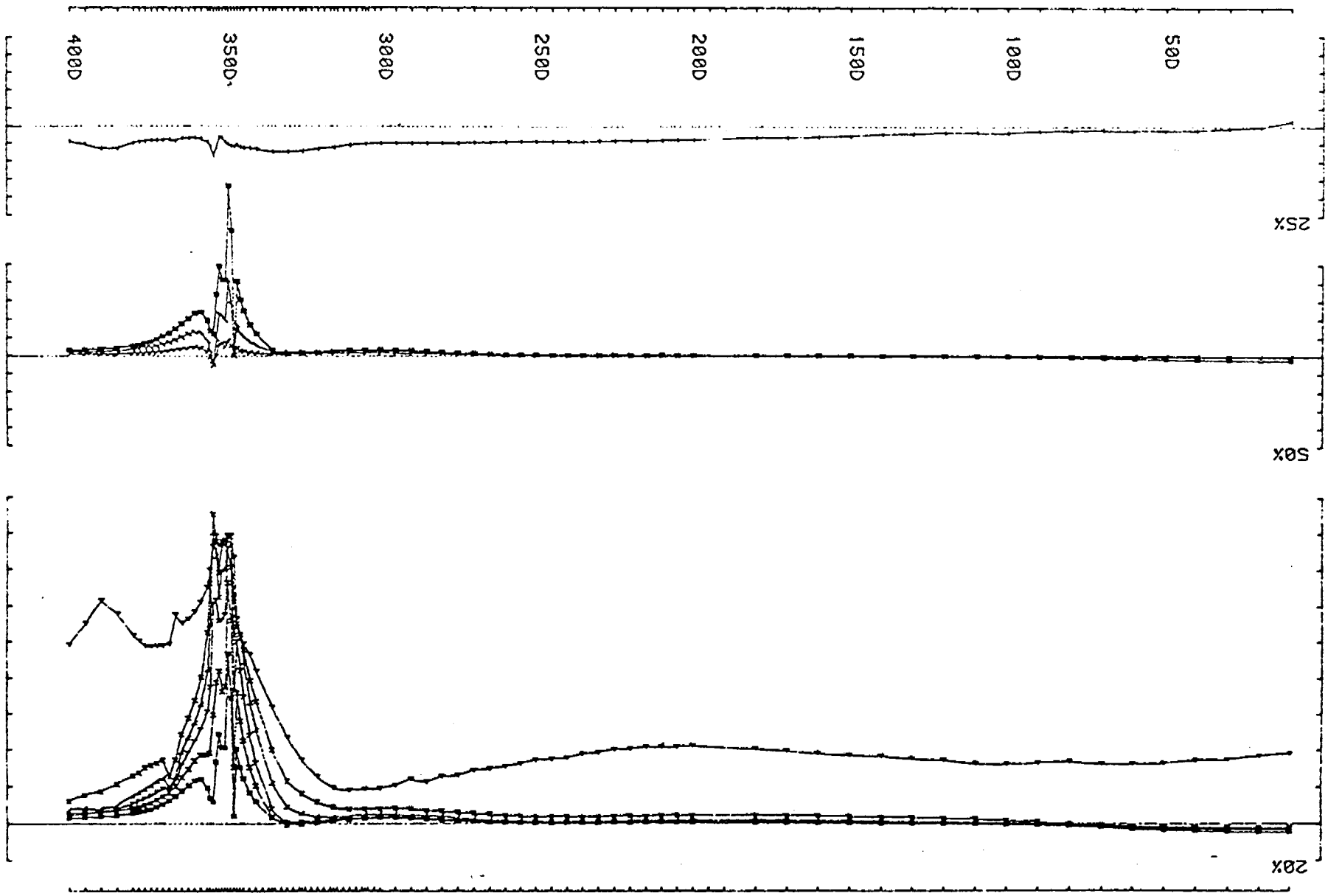
Continuous line through loop, computed response

THIN LAYER RESPONSE: DEPTH: 50m

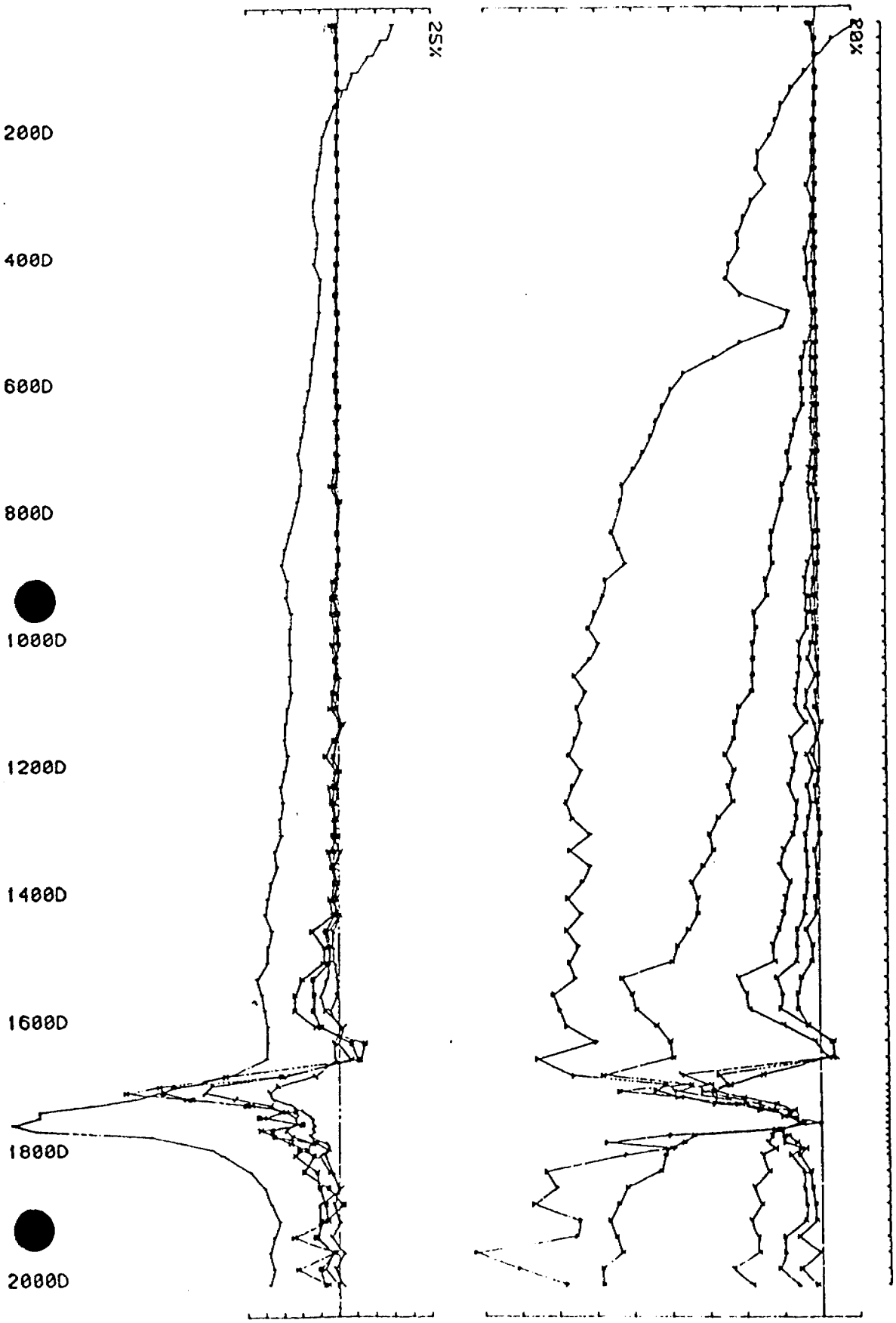
CONDUCTANCE: 10S



UTEM 3 IN BOREHOLE MODE



UTEM 3 IN BOREHOLE MODE

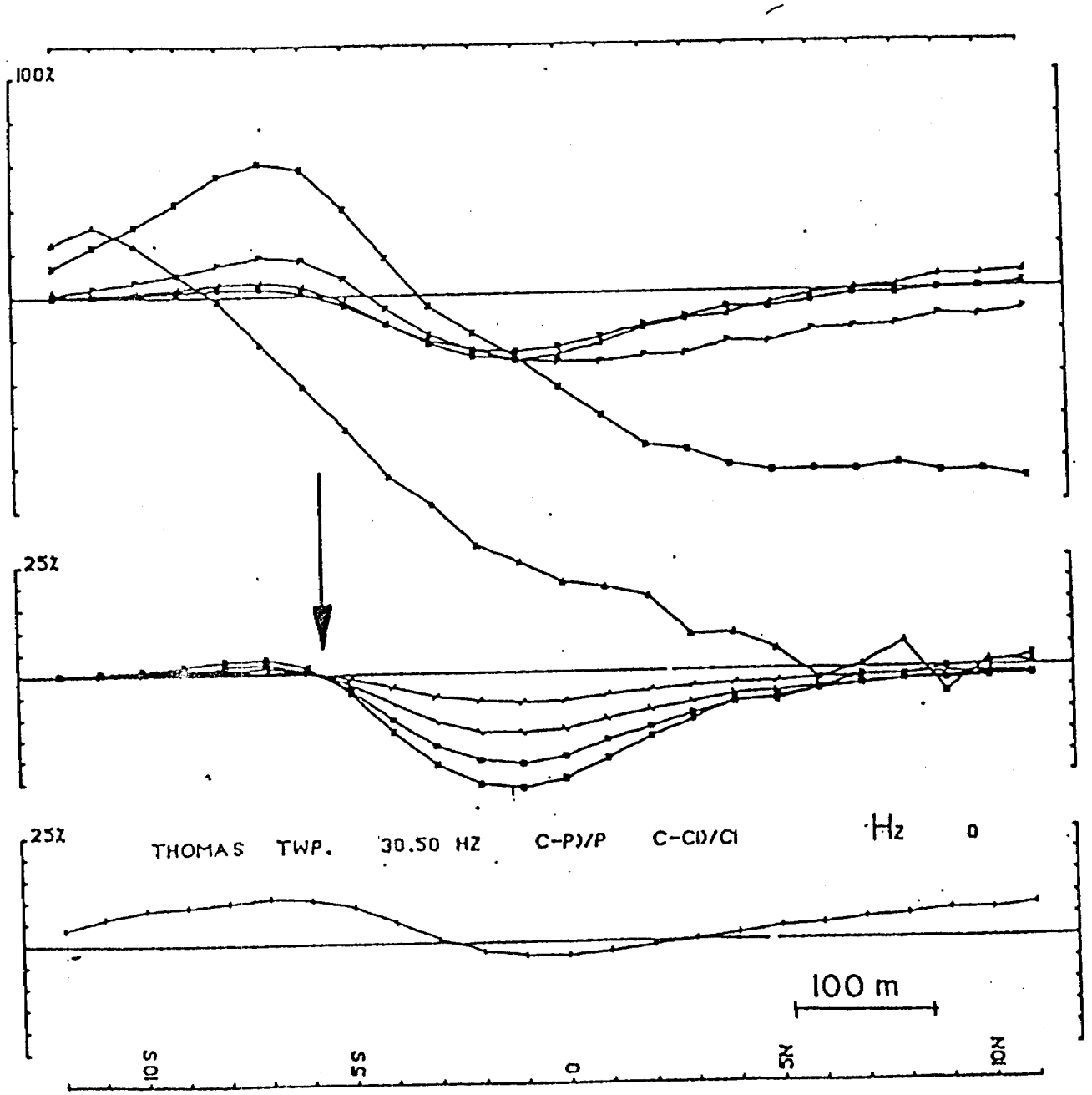


UTEM SURVEY conducted by LAMONTAGNE GEOPHYSICS HU YL RH Job 1

Example of a two kilometer borehole.

GRAPHITE UNDER 0.4 S OVERBURDEN

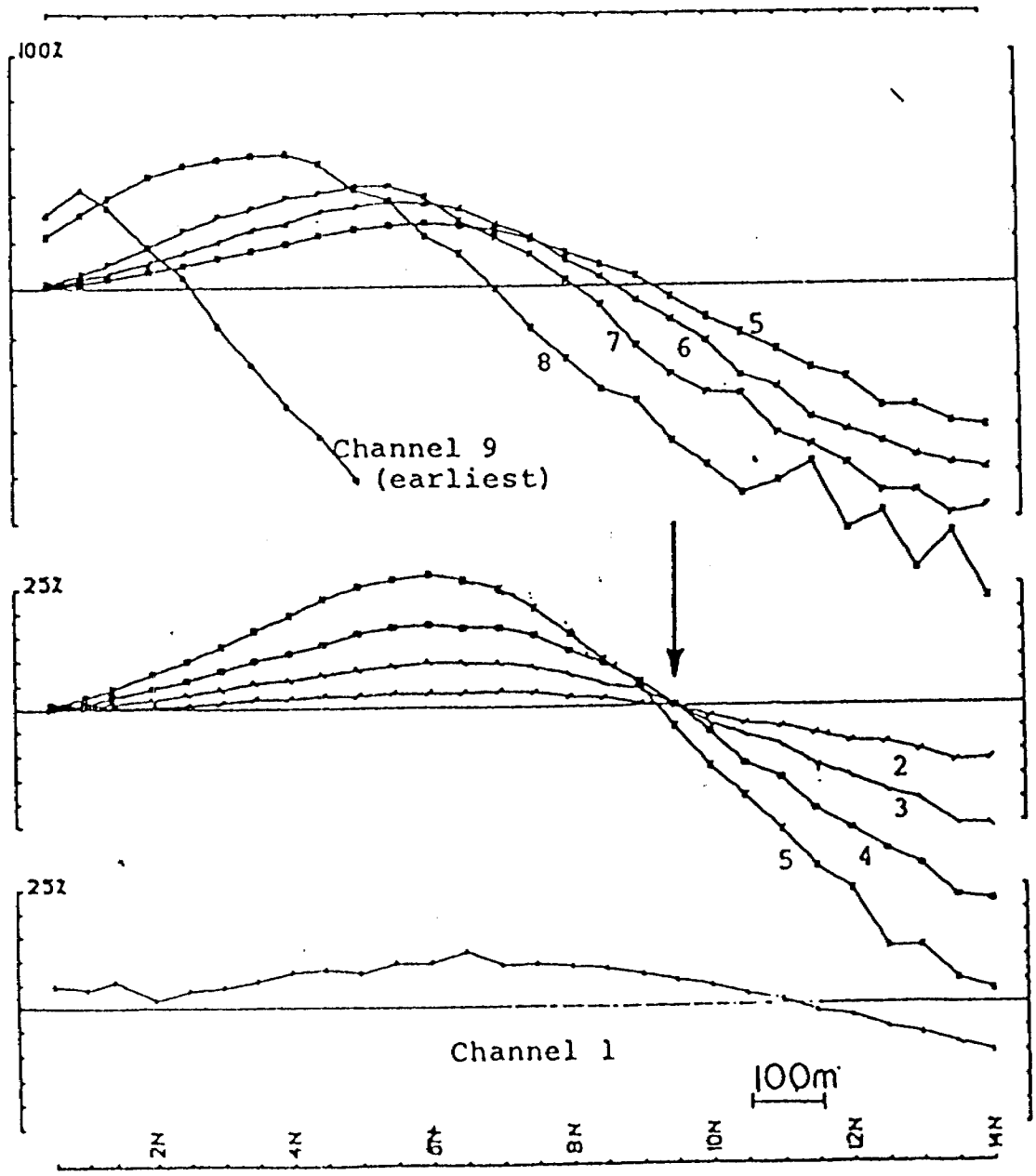
σt = 50S d=85m



UTEM 2

GRAPHITIC METASEDIMENTS

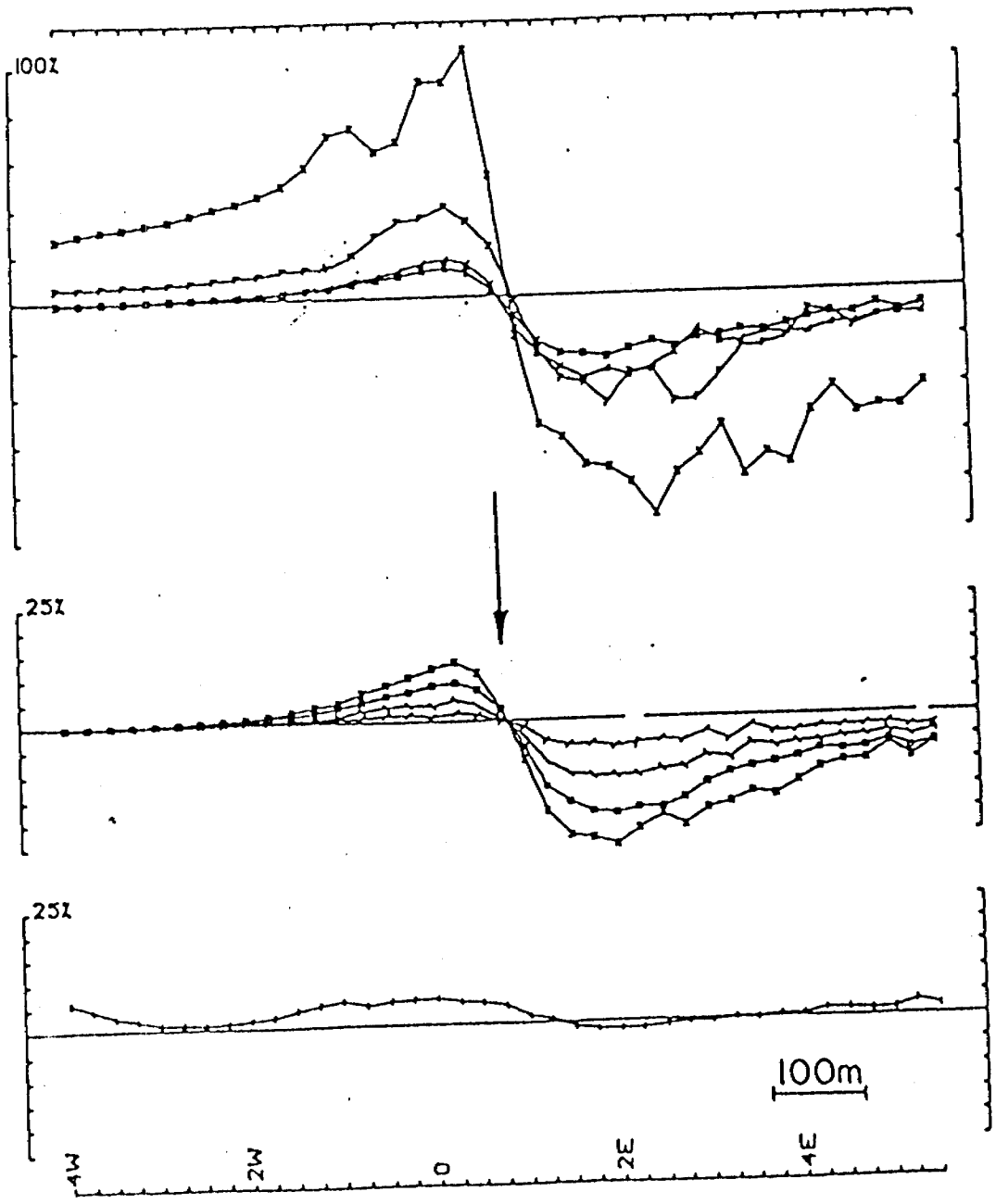
σt = 30S d = 300m



UTEM 2

SULPHIDE ZONE

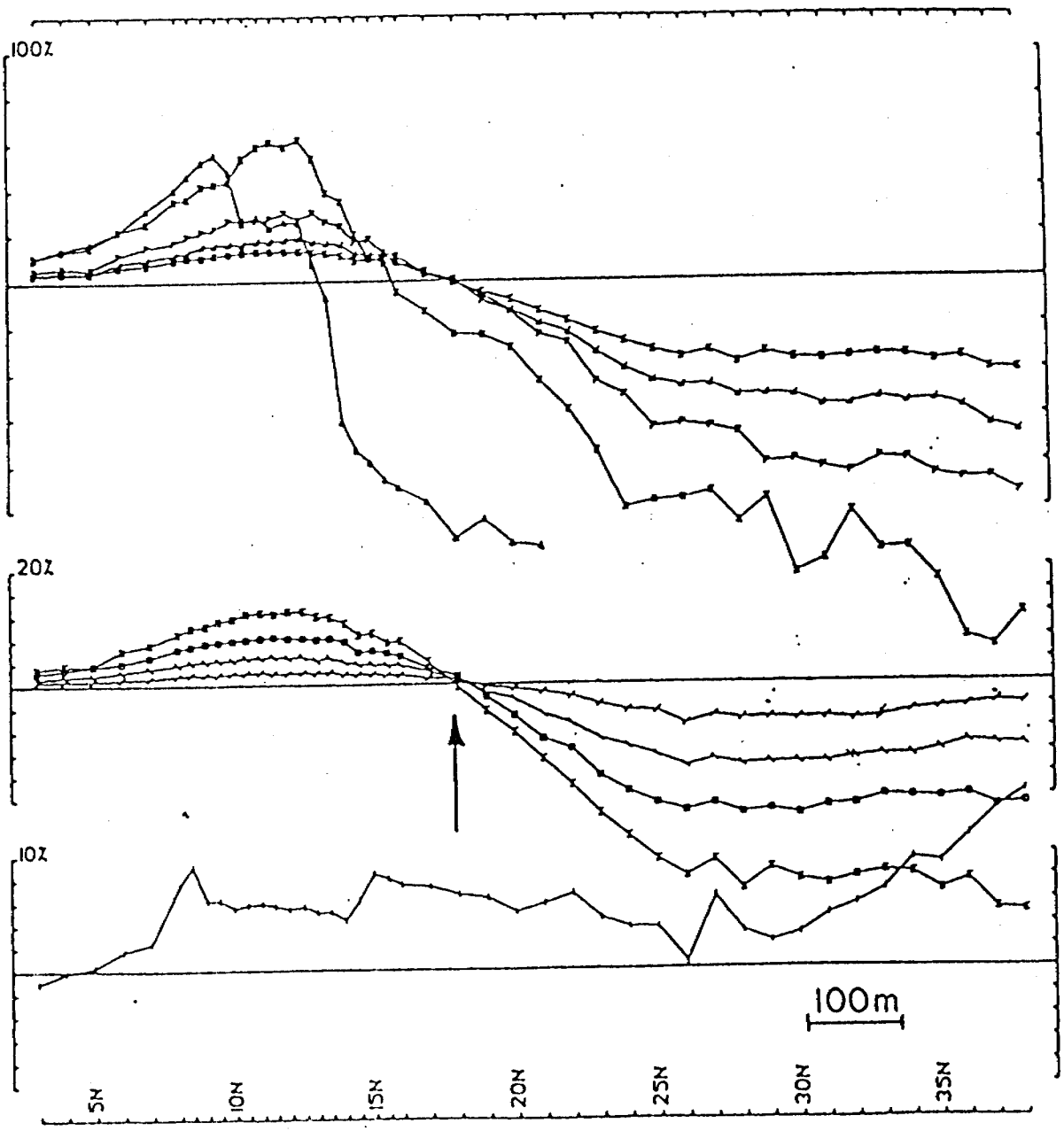
σt = 50 S d = 90m



UTEM 2

CONDUCTOR NOT DRILLED
PROBABLY SULPHIDES

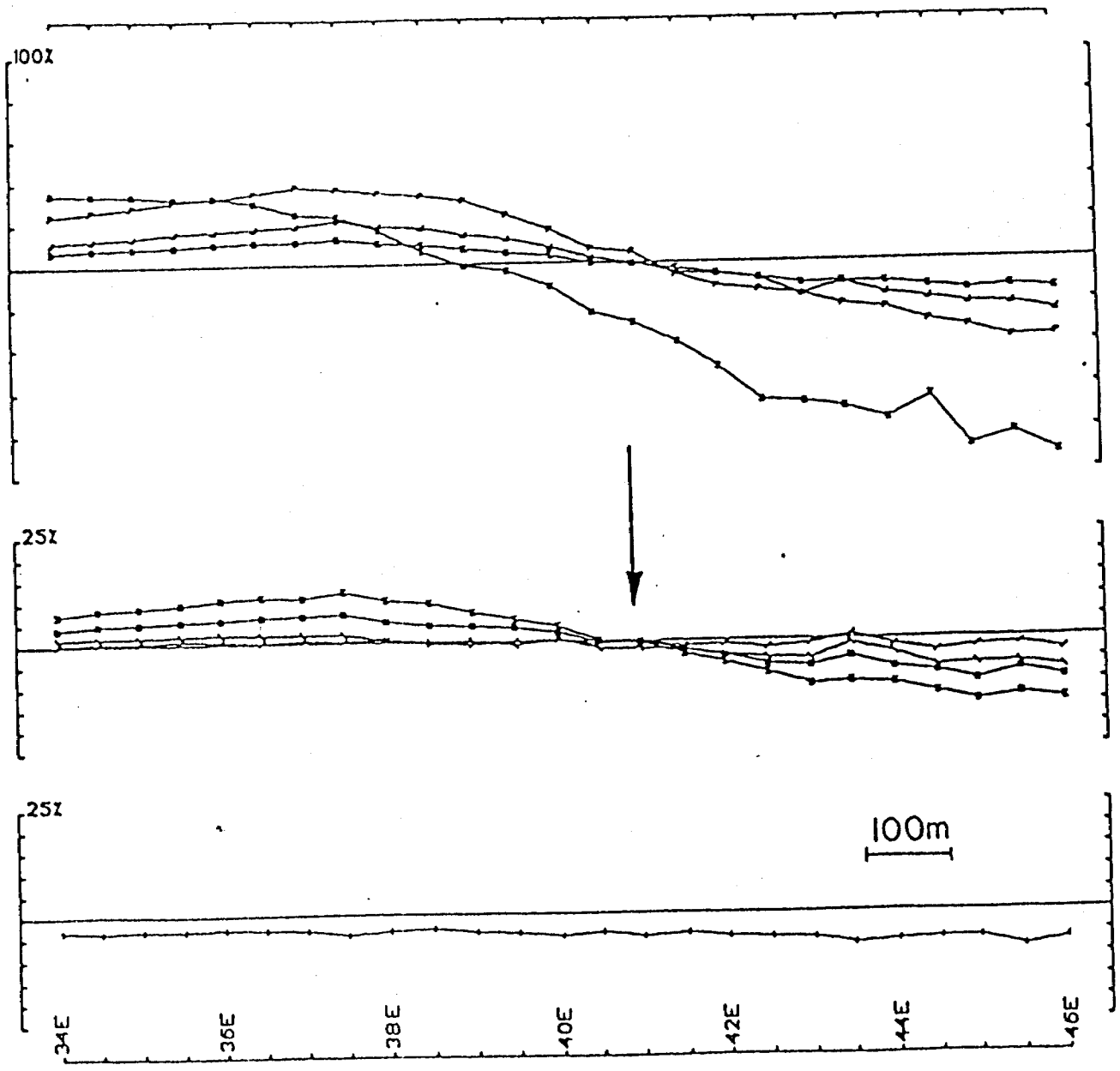
σt = 40S d = 300m



UTEM 2

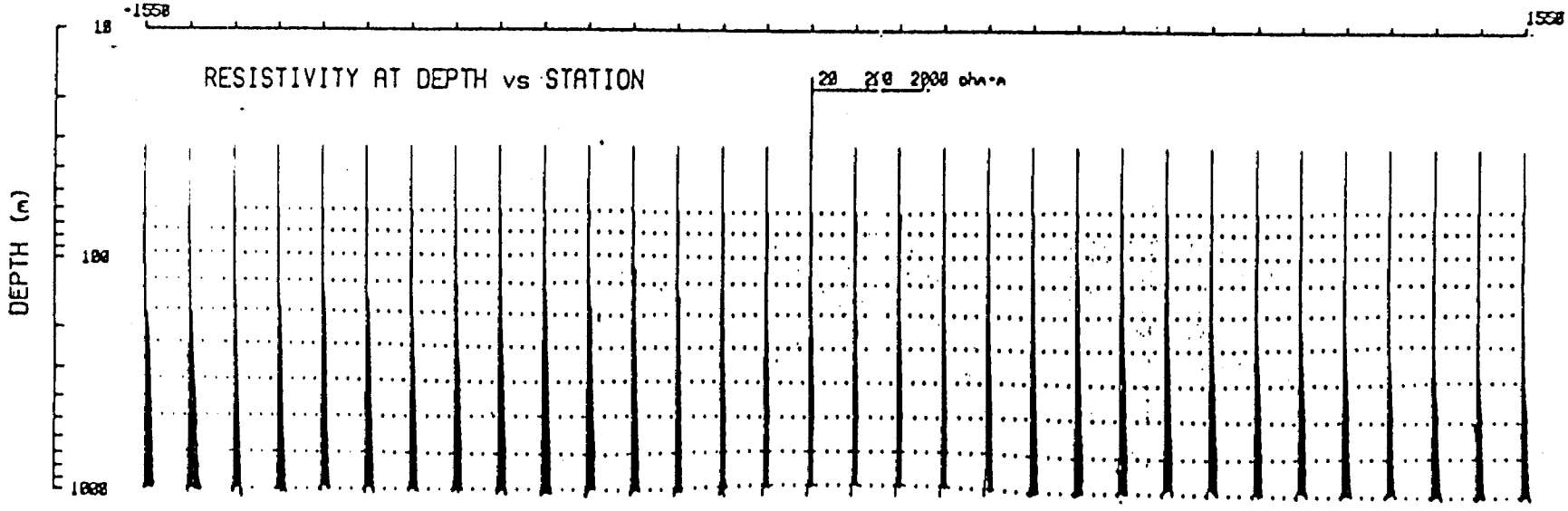
GRAPHITIC METASEDIMENTS

σt = 25 S d = 500m



UTEM 2

DEPTH IMAGE PROCESSING



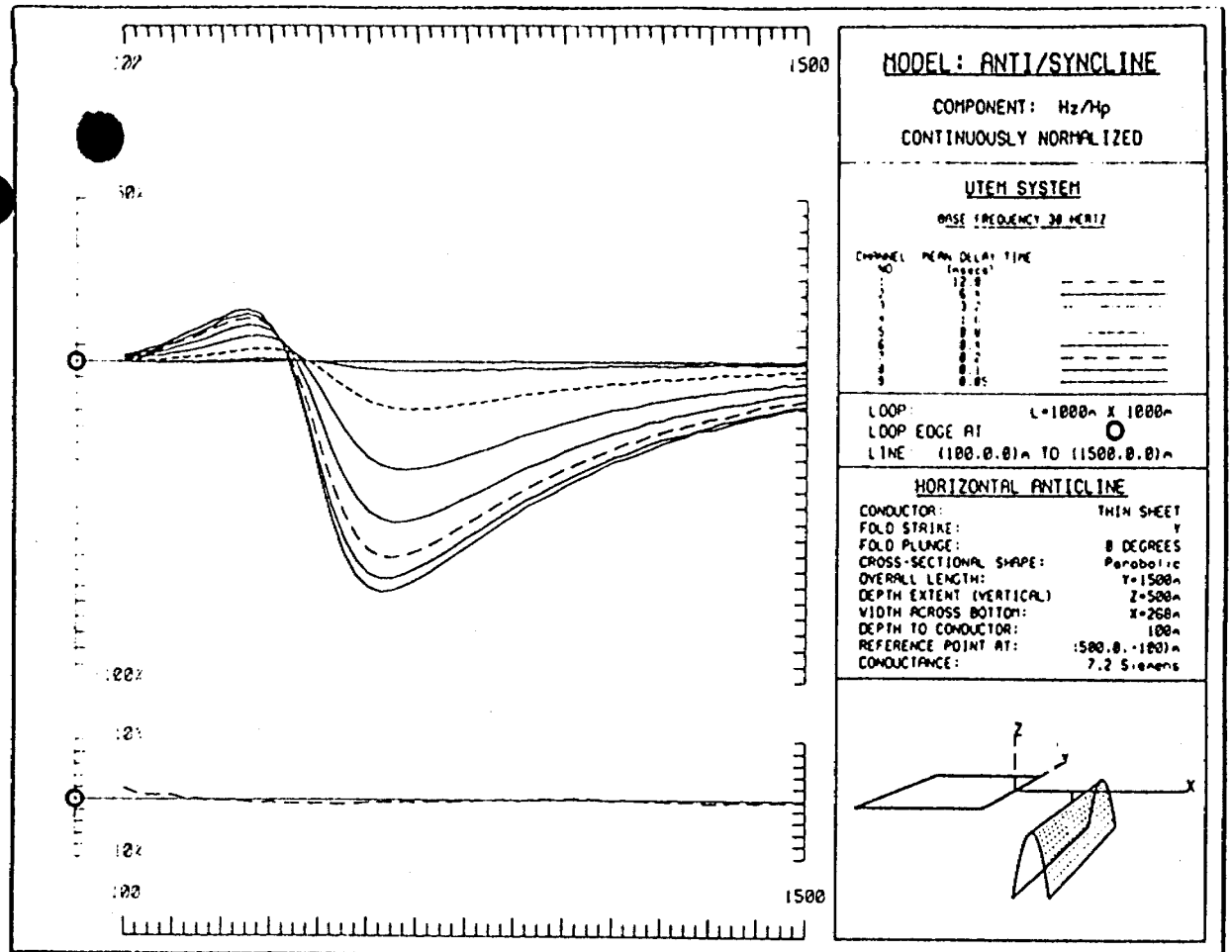
The computed integrated apparent resistivity at depth for a model consisting of a thick layer of resistivity 20Ωm over a very resistive half space.

ANALOG MODEL TYPE CURVES

A) ANTICLINE @ 100m DEPTH

B) SLAB @ 250m DEPTH

A)



MODEL: ANTI/SYNCLINE

COMPONENT: Hz/Hp

CONTINUOUSLY NORMALIZED

UTEM SYSTEM

BASE FREQUENCY 30 HERTZ

CHANNEL NO	MEAN DELAY TIME (msec)
1	12.8
2	6.4
3	3.2
4	1.6
5	0.8
6	0.4
7	0.2
8	0.1
9	0.05

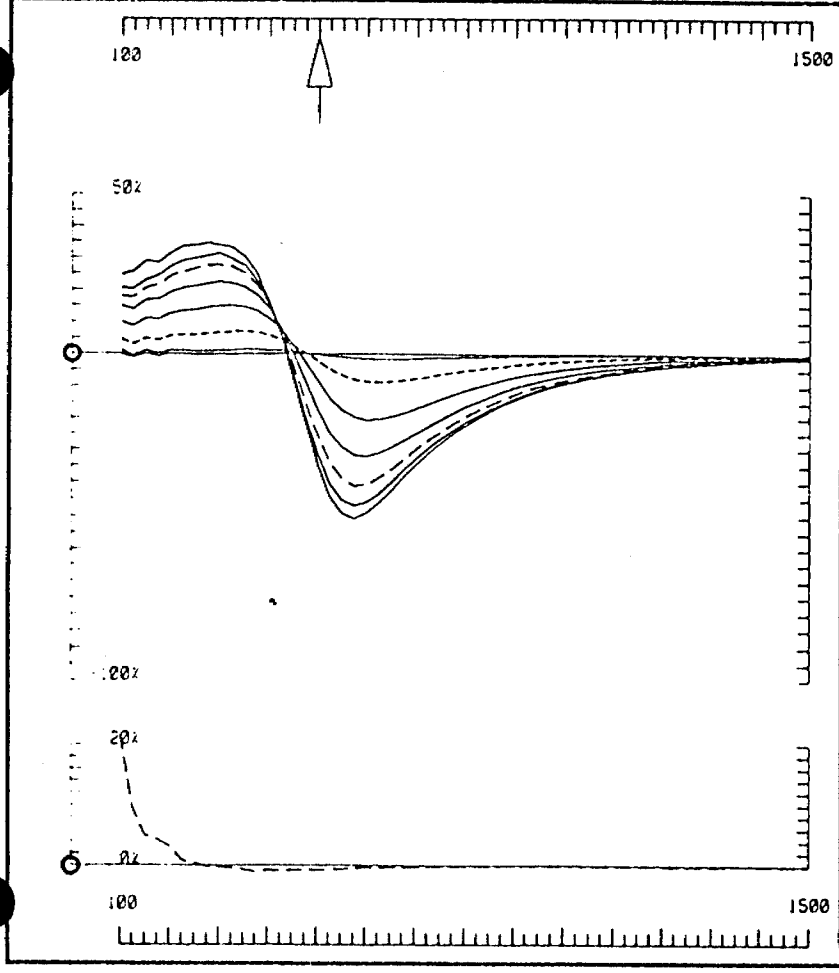
LOOP: L=1000m X 1000m

LOOP EDGE AT O

LINE (100.0.0)m TO (1500.0.0)m

HORIZONTAL ANTICLINE

CONDUCTOR:	THIN SHEET
FOLD STRIKE:	Y
FOLD PLUNGE:	0 DEGREES
CROSS-SECTIONAL SHAPE:	Parabolic
OVERALL LENGTH:	Y=1500m
DEPTH EXTENT (VERTICAL)	Z=500m
WIDTH ACROSS BOTTOM:	X=268m
DEPTH TO CONDUCTOR:	100m
REFERENCE POINT AT:	(500.0.-100)m
CONDUCTANCE:	7.2 Siemens



MODEL: ANTI/SYNCLINE

COMPONENT: Hz/Hp

POINT NORMALIZED AT (500.0.0)m

UTEM SYSTEM

BASE FREQUENCY 30 HERTZ

CHANNEL NO	MEAN DELAY TIME (msec)
1	12.8
2	6.4
3	3.2
4	1.6
5	0.8
6	0.4
7	0.2
8	0.1
9	0.05

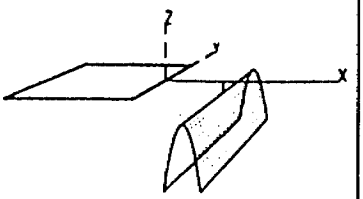
LOOP: L=1000m X 1000m

LOOP EDGE AT O

LINE: (100.0.0)m TO (1500.0.0)m

HORIZONTAL ANTICLINE

CONDUCTOR:	THIN SHEET
FOLD STRIKE:	Y
FOLD PLUNGE:	0 DEGREES
CROSS-SECTIONAL SHAPE:	Parabolic
OVERALL LENGTH:	Y=1500m
DEPTH EXTENT (VERTICAL)	Z=500m
WIDTH ACROSS BOTTOM:	X=268m
DEPTH TO CONDUCTOR:	100m
REFERENCE POINT AT:	(500.0.-100)m
CONDUCTANCE:	7.2 Siemens



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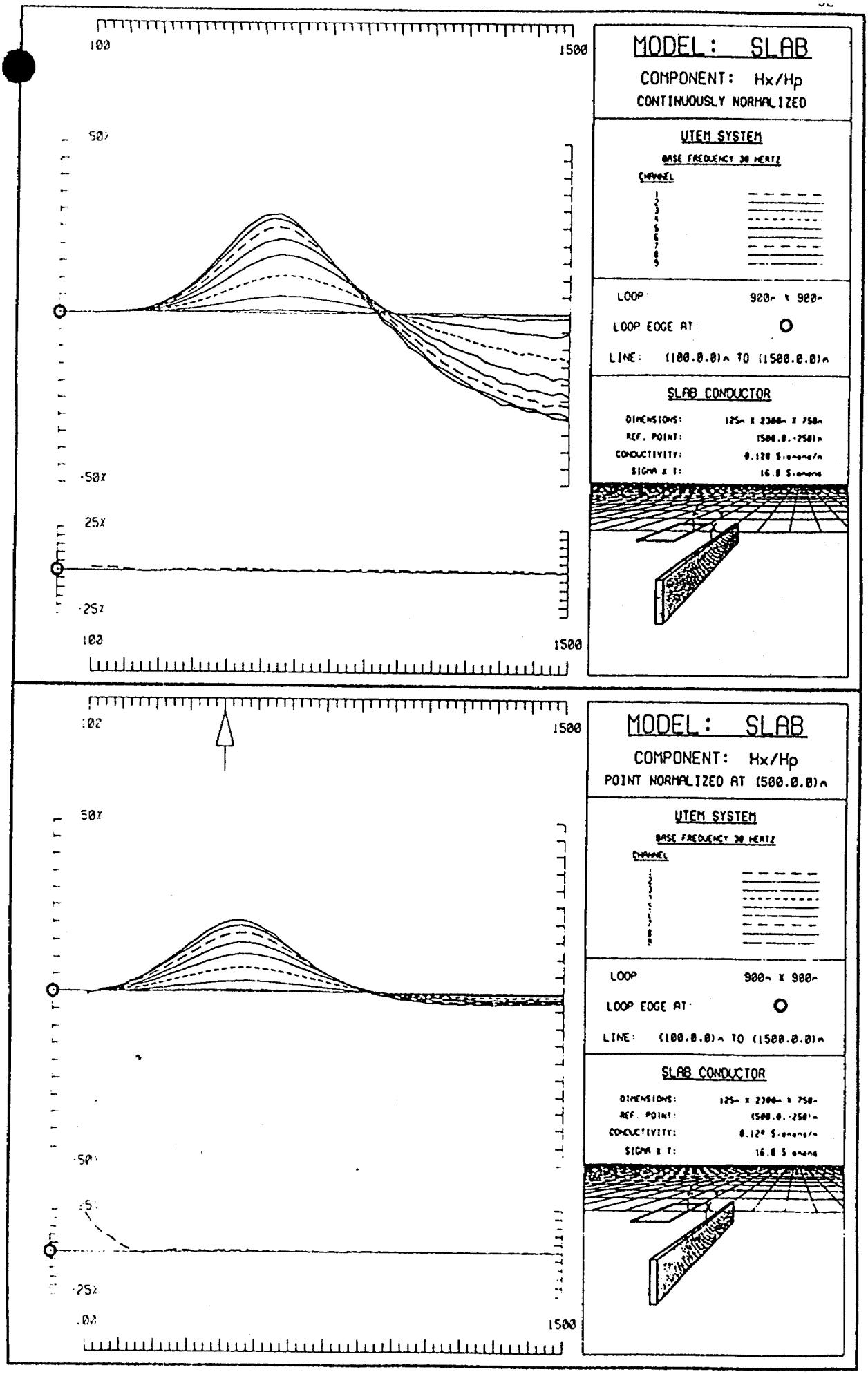


SL

Ministry of Natural Resources
Ontario

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

#334/85

Mining Act

42A03NE0002 2.7936 FALLON

900

— Do not use shaded areas below.

Type of Survey(s): UTEM GEOPHYSICS SURVEY	Township or Area: FALCON TWP.
Claim Holder(s): DAVID H. MAGNER	Prospector's Licence No.: M-17157
Address: 403 DUKE ST. S. ROUYN-NORANDA QUE.	
Survey Company: LEN LAMONTAGNE GEOPHYSICS	Date of Survey (from & to): Day 13 Mo. 04 Yr. 84 — Day 18 Mo. 04 Yr. 84
Name and Address of Author (of Geo-Technical report): TIMMINS ONT.	Total Miles of line Cut: 10

Credits Requested per Each Claim in Columns at right

		Days per Claim
Special Provisions: For first survey: Enter 40 days. (This includes line cutting)	Geophysical - Electromagnetic	40
	- Magnetometer	
For each additional survey: using the same grid: Enter 20 days (for each)	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Man Days: Complete reverse side and enter total(s) here	Geophysical	Days per Claim
	- Electromagnetic	
	- Magnetometer	
	- Radiometric	
	- Other	
	Geological	
	Geochemical	
Airborne Credits: **Note:** Special provisions credits do not apply to Airborne Surveys.		Days per Claim
	Electromagnetic	
	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
P	792534	40
	792539	40

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.

RECEIVED
SEP 27 1985
PORCUPINE MINING DIVISION

RECEIVED
OCT 0 2 1985
Mining Lands Section

see received work statements.

Total number of mining claims covered by this report of work: 2

Expenditures (excludes power stripping)

Type of Work Performed	
Performed on Claim(s)	
Calculation of Expenditure Days Credits: Total Expenditures $ ÷ 15 = Total Days Credits	

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

Date	Recorded Holder or Agent (Signature)
March 5-85	David H. Magner

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
80	Sept 27/85	Stanley
	Date Approved as Recorded	Branch Director
		X

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying: David H. Magner P.O. Box P33 Kirkland Lake Ontario P2N 3P4

Date Certified: March 5-85

Certified by (Signature): David H. Magner

1362 (81/9)

Ministry of Natural Resources
Ontario

Report of Work
(Geophysical, Geological Geochemical and Expenditures)

The Mining Act

0 89/85
2.7936

Instructions: – Please type or print.
– If number of mining claims traversed exceeds space on this form, attach a list.
Note: – Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
– Do not use shaded areas below.

Type of Survey(s)	Township or Area
UTEM Geophysical Survey	Fallon

Claim Holder(s)	Prospector's Licence No.
David J. Meunier	M-17157

Survey Company	Survey Dates (linecutting to office)	Total Miles of line Cut
Len Lamontagne Geophysics.	13 04 84 (Day Mo. Yr.) 18 04 84 (Day Mo. Yr.)	10

Name and Address of Author (of Geo-Technical report)
Timmins, ONT.
807 08 84 12 08 84

Special Provisions Credits Requested

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

Man Days

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

Airborne Credits

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

Expenditures (excludes power stripping)

Type of Work Performed

Performed on Claim(s)

MAR 13 1985

Calculation of Expenditure Days Credits

Total Expenditures $ ÷ 15 = Total Days Credits

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

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
P-	792533	~~40~~
	792535	~~40~~
	792536	~~40~~
	783572	~~40~~
	783573	~~40~~
	783574	~~40~~

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.

RECEIVED
APR 09 1985
MINING LANDS SECTION

RECORDED
MAR 18 1985
Receipt No. C

See scanned work statement.

Total number of mining claims covered by this report of work. 6.

For Office Use Only

Total Days Cr. Recorded	Date Recorded	Mining Recorder
240	Mar 18/85	
	Date Approved as Recorded	Regional/Branch Director

Report Completed

Date of Report	Recorded Holder or Agent (Signature)
March 15/85	Brian Madill

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying
BRIAN H. MADILL, P.O. BOX 833.
KIRKLAND LAKE, ONTARIO, P2N 3K4

Date Certified: March 15/85

Certified by (Signature): Brian Madill

1360 (81/2)

Mining Lands Section

File No 2.7936

Control Sheet

TYPE OF SURVEY ✓ GEOPHYSICAL

____ GEOLOGICAL

____ GEOCHEMICAL

____ EXPENDITURE

MINING LANDS COMMENTS:

- no qualifications
- No traverse plan at scale
- orientation of loop in report contradicts indication on claim map
- no readings at stations
- no signature on report → waived this because of time delays.
- need more days breakdown.

overlay lines 5, 6, 9, 10, + 11 in report

Signature of Assessor

Date

1985 11 28

Your File: 89, 334
Our File: 2.7936

Mining Recorder
Ministry of Northern Affairs and Mines
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir:

RE: Notice of Intent dated October 25, 1985
Geophysical (Electromagnetic) Survey on
Mining Claims P 792534, et al, in Fallon
Township

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

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

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone:(416)965-4888

DK/mc

cc: David J. Meunier
403 Dome Street
South Porcupine, Ontario
P0N 1H0

Brian H. Madill
P.O. Box 833
Kirkland Lake, Ontario
P2N 3K4

Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario

Resident Geologist
Timmins, Ontario

Encl.

Ministry of Northern Affairs and Mines

Ontario

Technical Assessment Work Credits

File: 2.7936

Date: 1985 10 25

Mining Recorder's Report of Work No.: 89,334

Recorded Holder: DAVID J. MEUNIER

Township or Area: FALLON TOWNSHIP

Type of survey and number of Assessment days credit per claim	Mining Claims Assessed
Geophysical	P 792534-35 792539 783572 to 74 inclusive
Electromagnetic 19 days	
Magnetometer ____ days	
Radiometric ____ days	
Induced polarization ____ days	
Other ____ days	
Section 77 (19) See "Mining Claims Assessed" column	
Geological ____ days	
Geochemical ____ days	
Man days ☐ Airborne ☐	
Special provision ☒ Ground ☒	
☒ Credits have been reduced because of partial coverage of claims.	
☐ Credits have been reduced because of corrections to work dates and figures of applicant.	

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

No credits have been allowed for the following mining claims

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

P 792536
792533

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

828 (85/9)

Ministry of
Natural
Resources

Ontario

Nov. 12/85

1985 10 25

Your File: 89,334
Our File: 2.7936

Mining Recorder
Ministry of Northern Affairs and Mines
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir:

Enclosed are two copies of a Notice of Intent with statements listing a reduced rate of assessment work credits to be allowed for a technical survey. Please forward one copy to the recorded holder of the claims and retain the other. In approximately fifteen days from the above date, a final letter of approval of these credits will be sent to you. On receipt of the approval letter, you may then change the work entries on the claim record sheets.

For further information, if required, please contact Mr. R.J. Pichette at 416/965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3

O.K.DK/mc

Encls.

cc: David J. Meunier
403 Dome Street
South Porcupine, Ontario
P0N 1H0

Brian H. Madill
P.O. Box 833
Kirkland Lake, Ontario
P2N 3K4

Mr. G.H. Ferguson
Mining & Lands Commissioner
Toronto, Ontario

Ministry of Natural Resources

Ontario

Notice of Intent

for Technical Reports

1985 10 25

2.7936/89,334

An examination of your survey report indicates that the requirements of The Ontario Mining Act have not been fully met to warrant maximum assessment work credits. This notice is merely a warning that you will not be allowed the number of assessment work days credits that you expected and also that in approximately 15 days from the above date, the mining recorder will be authorized to change the entries on his record sheets to agree with the enclosed statement. Please note that until such time as the recorder actually changes the entry on the record sheet, the status of the claim remains unchanged.

If you are of the opinion that these changes by the mining recorder will jeopardize your claims, you may during the next fifteen days apply to the Mining and Lands Commissioner for an extension of time. Abstracts should be sent with your application.

If the reduced rate of credits does not jeopardize the status of the claims then you need not seek relief from the Mining and Lands Commissioner and this Notice of Intent may be disregarded.

If your survey was submitted and assessed under the "Special Provision-Performance and Coverage" method and you are of the opinion that a re-appraisal under the "Man-days" method would result in the approval of a greater number of days credit per claim, you may, within the said fifteen day period, submit assessment work breakdowns listing the employees names, addresses and the dates and hours they worked. The new work breakdowns should be submitted direct to the Land Management Branch, Toronto. The report will be re-assessed and a new statement of credits based on actual days worked will be issued.

RECEIVED

1985

MINING LANDS SECTION

Sept 26-85

Hi Ray:

Please find enclosed a sketch of the plan showing the grid lines and location relative to claim boundaries and at the scale similar to the profiles in the report.

Hoping this is full and sufficient.

Yours Truly
David Meunier

Dave Meunier
P.O. Box 1624
403 Dome Street
South Porcupine, Ont
P0N 1H0

REGISTERED

June 26, 1985 File: 2.7936

Brian Madill
P.O. Box 833
Kirkland Lake, Ontario
P2N 3K4

Dear Sir:

RE: Electromagnetic Survey submitted
on Mining Claims P 792533, et al,
in the Township of Fallon

Enclosed is a copy of our letter dated May 6, 1985 requesting additional information for the above-mentioned survey.

Unless you can provide the required data by July 5, 1985, I will have no other alternative but to instruct the mining recorder to cancel the work credits recorded on March 18, 19 1985.

For further information, please contact Mr. Ray Pichette at (416)965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone:(416)965-4888

called 85-07-31

A. Barr:mc

cc: David J. Meunier
P.O. Box 1624
403 ~~D888~~ Bonnestreet
~~T1m~~ Timmins, Ontario
P4N 7W7
South Porcupine, Ontario
P0N 1H0
Encl.

cc: Mining Recorder
Timmins, Ontario

Hold til 2/7/85
~~Aug~~ 15 then
delete

B. Dorey

85-09-13

[illegible] Memo:

- do submit new reports / work on [illegible] claims
- do provide plan map at proper scale

(allow 2-3 weeks).

May 6, 1985 File: 2.7936

David J. Meunier
P.O. Box 1624
403 Dome Street
Timmins, Ontario
P4N 7W7

Dear Sir:

RE: Geophysical (Electromagnetic) Survey
submitted on Mining Claims P 792533,
et al, in the Township of Fallon

In order to complete your submission for assessment the following items are required:

1. A plan map signed by the author of the report, at a scale between 1:1000 and 1:6000, indicating cclaim lines and claim numbers, the traverse lines, and the location of the loop.

2. ~~The signature of the author of the report on the final page, copies enclosed.~~ waived

3. A Man-days breakdown for this survey, forms enclosed.

Please forward the above information, in duplicate, to this office quoting file 2.7936.

For further information, please contact,Doug Isherwood at (416)965-4888.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone:(416)965-4888

D. Isherwood:mc
cc: Mining Recorder
Timmins, Ontario

Encl.

cc: Brian Madill
P.O. Box 833
Kirkland Lake, Ontario P2N 3K4

Reg to here

Ministry of Natural Resources
Ontario

Geotechnical Report Approval

File 2.7936

Mining Lands Comments

- For UTEM surveys do we need a) readings plotted at stations?
b) horizontal and vertical component?

[X] To: Geophysics R. BARLOW

Comments

- wave reading requirement (ie
too many to stack on Diagrams

[X] Approved [ ] Wish to see again with corrections | Date April 16/85 | Signature

[ ] To: Geology - Expenditures

Comments

[ ] Approved [ ] Wish to see again with corrections | Date | Signature

RECEIVED
APR 19 1985
MINING LANDS SECTION

[ ] To: Geochemistry

Comments

[ ] Approved [ ] Wish to see again with corrections | Date | Signature

[✓] To: Mining Lands Section, Room 6610, Whitney Block. (Tel: 5-1380)

1593 (81/10)

1985 04 04 File: 2.7936

Mining Recorder
Ministry of Natural Resources
60 Wilson Avenue
Timmins, Ontario
P4N 2S7

Dear Sir:

We received reports and maps on March 27, 1985 for a Geophysical (Electromagnetic) Survey submitted under Special Provisions (credit for Performance and Coverage) on Mining Claims P 792533, et al, in the Township of Fallon.

This material will be examined and assessed and a statement of assessment work credits will be issued.

We do not have a copy of the report of work which is normally filed with your office prior to the submission of this technical data. Please forward a copy as soon as possible.

Yours sincerely,

S.E. Yundt
Director
Land Management Branch

Whitney Block, Room 6643
Queen's Park
Toronto, Ontario
M7A 1W3
Phone:(416)965-4888

A. Barr:mc

cc: David J. Meunier
P. P.O. Box 1624
403 Dome Street
Timmins, Ontario
P4N 7W7

cc: Brian Madill
P.O. Box 833
Kirkland Lake, Ontario
P2N 3K4

March 22nd, 1985

Land Management Branch,
Ministry of Natural Resources,
6th Floor, Whitney Block, Rm,6610,
99 Wellesley Street West,
Queens Park, TORONTO, Ontario.
M7A 1W3

Dear Arthur:

Please find enclosed two (2) copies of a UTEM georphysical report done for David Meunier on some of his claims in Fallon Township. The Report of Work for these claims was submitted to you previously and a photocopy is included to better I.D. these. (to Timmins Mo Recorder)

Linecutting on this group was performed by Gabriel Sutherland.

For David J. Meunier

Yours truly

Brian Madill
P.O. Box 833
KIRKLAND LAKE, Ontario.

PLEASE NOTIFY UPON RECEIPT

2.7936

	E.M.
P- 792534	3/4
792539	3/4
792533	0
792535	1/4
792536	0
783572	1/2
73	3/4
783574	1/2
	14/2

$(40 \times 6) \div (6 + \frac{14}{2})$

$= 18.46$ days

D.K.

Ministry of Natural Resources
Ontario

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

Your file 2.7936

RECEIVED
OCT 0 2 1985
Mining Act

Instructions: – Please type or print.
– If number of mining claims traversed exceeds space on this form, attach a list.
Note: – Only days credits calculated in the "Expenditures" section may be entered in the "Expend. Days Cr." columns.
– Do not use shaded areas below.

Type of Survey(s): UTEM GEOPHYSICS	Township or Area: FALCONBRIDGE TWP.
Claim Holder(s): David J. Mosher	Prospector's Licence No.: M-17157
Address: 403 Dunn St. S. Sudbury Ontario	
Survey Company: Len Lamontagne Geophysics	Date of Survey (from & to): 13 04 84 (Day Mo. Yr.) 18 04 84 (Day Mo. Yr.)
Name and Address of Author (of Geo-Technical report): Timmins Ont.	Total Miles of line Cut: 10

Credits Requested per Each Claim in Columns at right

		Days per Claim
Special Provisions For first survey: Enter 40 days. (This includes line cutting) For each additional survey: using the same grid: Enter 20 days (for each)	Geophysical – UT-Electromagnetic	40
	– Magnetometer	
	– Radiometric	
	– Other	
	Geological	
	Geochemical	
Man Days Complete reverse side and enter total(s) here	Geophysical	Days per Claim
	– Electromagnetic	
	– Magnetometer	
	– Radiometric	
	– Other	
	Geological	
	Geochemical	
Airborne Credits Note: Special provisions credits do not apply to Airborne Surveys.		Days per Claim
	Electromagnetic	
	Magnetometer	
	Radiometric	

Mining Claims Traversed (List in numerical sequence)

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.
P	792534	40
	792539	40

Mining Claim Prefix	Mining Claim Number	Expend. Days Cr.

Total number of mining claims covered by this report of work: 2

Expenditures (excludes power stripping)

Type of Work Performed:

Performed on Claim(s):

Calculation of Expenditure Days Credits

Total Expenditures: $ ÷ 15 = Total Days Credits

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

For Office Use Only		
Total Days Cr. Recorded	Date Recorded	Mining Recorder
	Date Approved as Recorded	Branch Director

Date: March 5 85 — Recorded Holder or Agent (Signature): David J. Mosher

Certification Verifying Report of Work

I hereby certify that I have a personal and intimate knowledge of the facts set forth in the Report of Work annexed hereto, having performed the work or witnessed same during and/or after its completion and the annexed report is true.

Name and Postal Address of Person Certifying: Brian H. Magill P.O. Box P33 Kirkland Lake Ontario P2N 3K7

Date Certified: March 5 85

Certified by (Signature): Brian H. Magill

ONTARIO

MINISTRY OF NATURAL RESOURCES

SURVEYS AND MAPPING BRANCH

M278

ONTARIO

MINISTRY OF NAT RESOURCES

SURVEYS AN

FALLON

PORCUPINE MINING DIVISION

DISTRICT OF TIMISKAMING

Scale - 40 Chains - 1 Inch

LANGMUIR

DOUGLAS

FASKEN

CLEAVER

400' Surface rights reservation around all lakes & rivers.

LEGEND

CANCELLED C

PATENTED LAND (P)

CROWN LAND SALE CS

LEASES (L)

LOCATED LAND LOC

LO

MRO

SRO

January 20, 1984

FASKEN

BASE LINE E-25°S
LINES 100m APART WITH POCKETS FOR STATIONS EVERY 25 METERS

3M
2M
1M

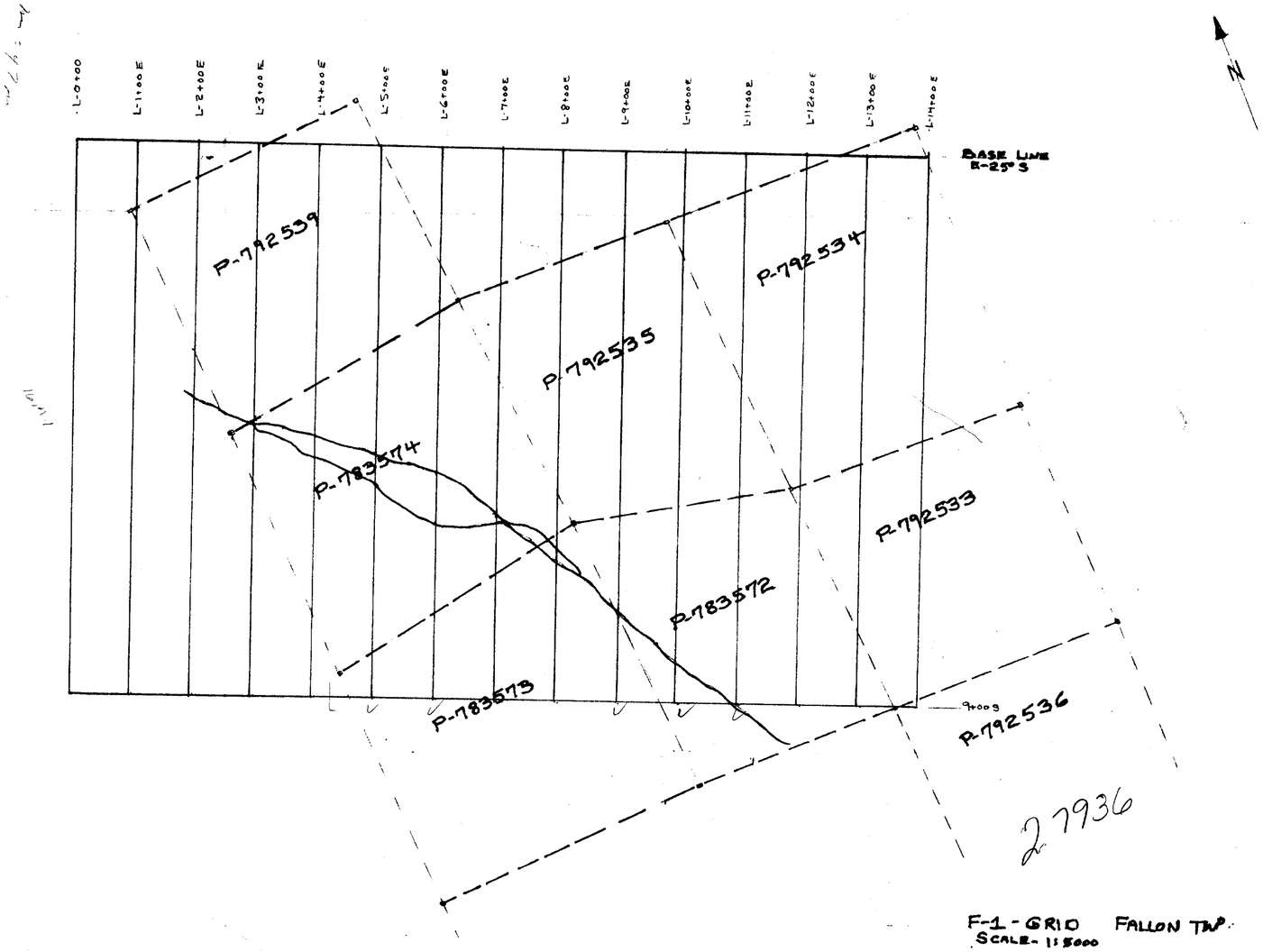
1M 2M 3M 4M 5M

LEGEND

400' Surface rights reservation around all lakes & rivers

CLEAVER

LOOP & GRID LAYOUT
ALL LINES ARE
CUT TO GRID MASTER 984
SOUTH FROM BASELINE



F-1-GRID FALLON TWP.
SCALE- 1:5000