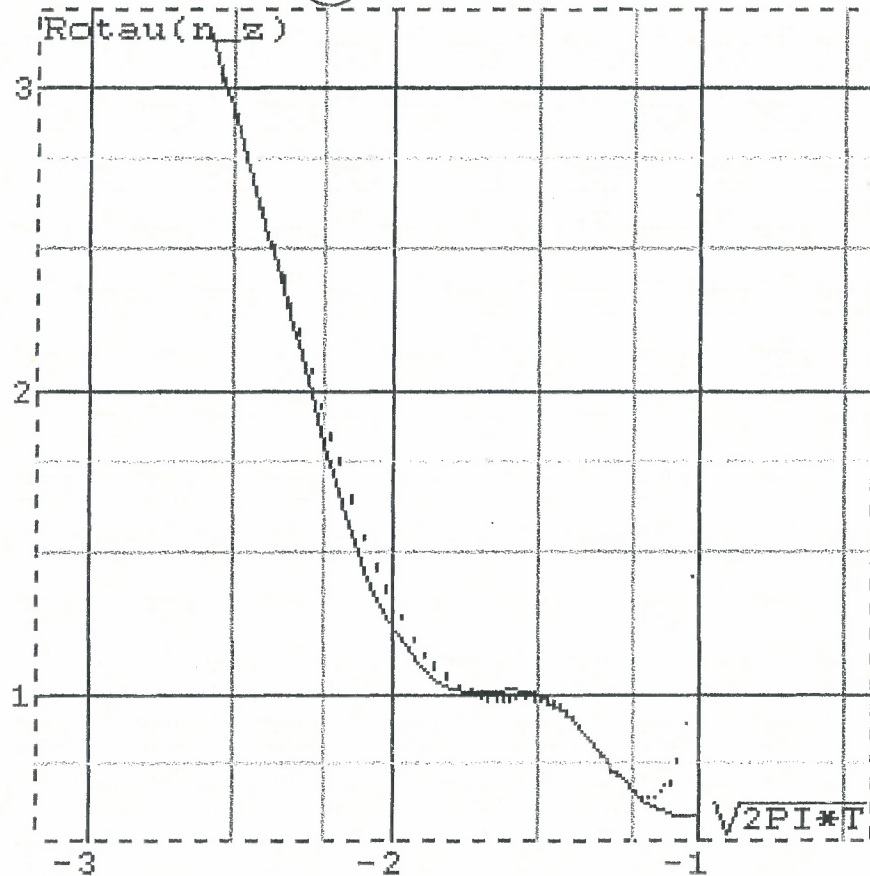


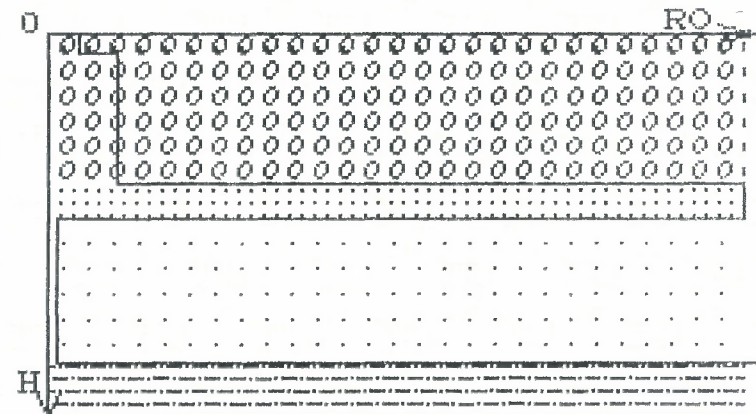
TEM 43

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Пикет: va3043.3 Профиль: Номер



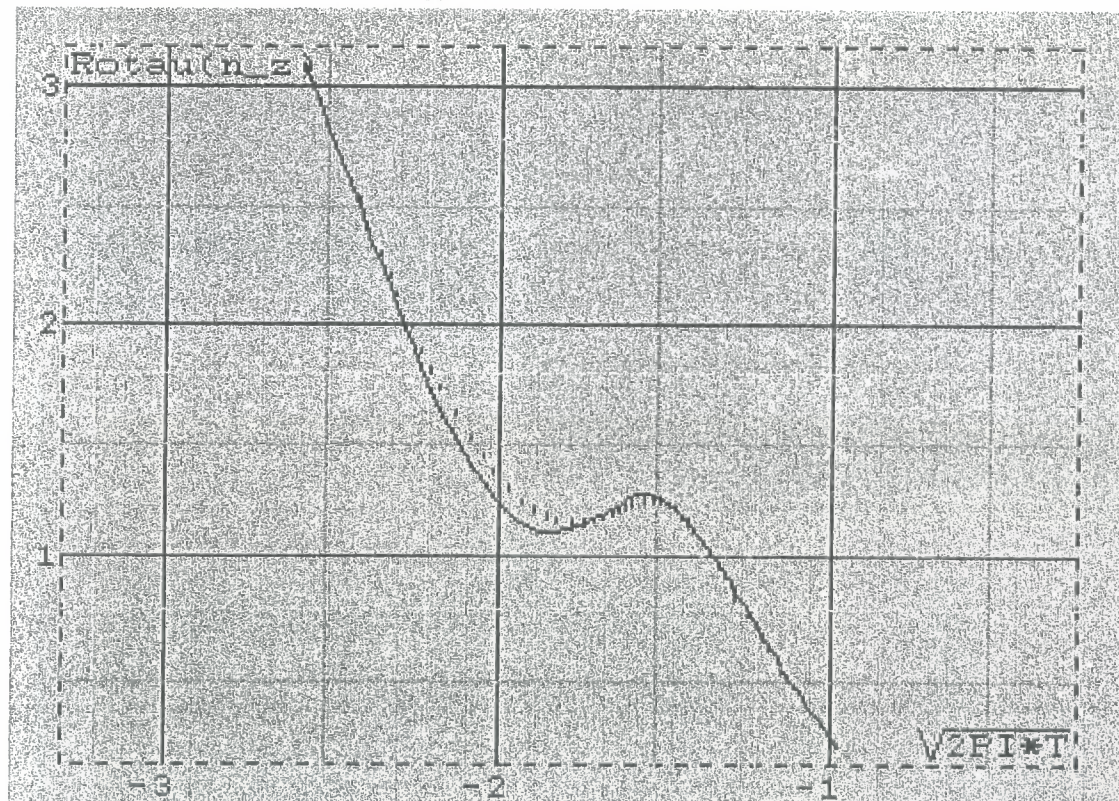
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Целевая функция = .1585E+12
 <Shift>+<PtScreen> - печать, иначе - выход

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 234. *Crucianella*
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Исходная целевая функция = 5647.13

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 2. **Background**
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 5. **Discussion**
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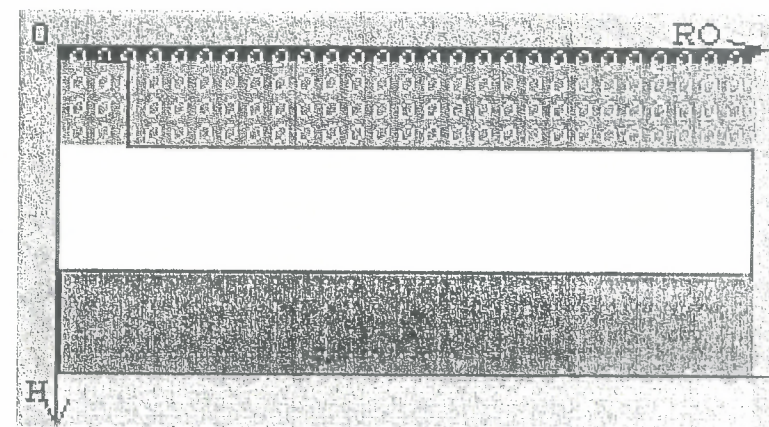
Задача 1

F1 **Hammer** **F2** **Claw** **F10** **Hammer**

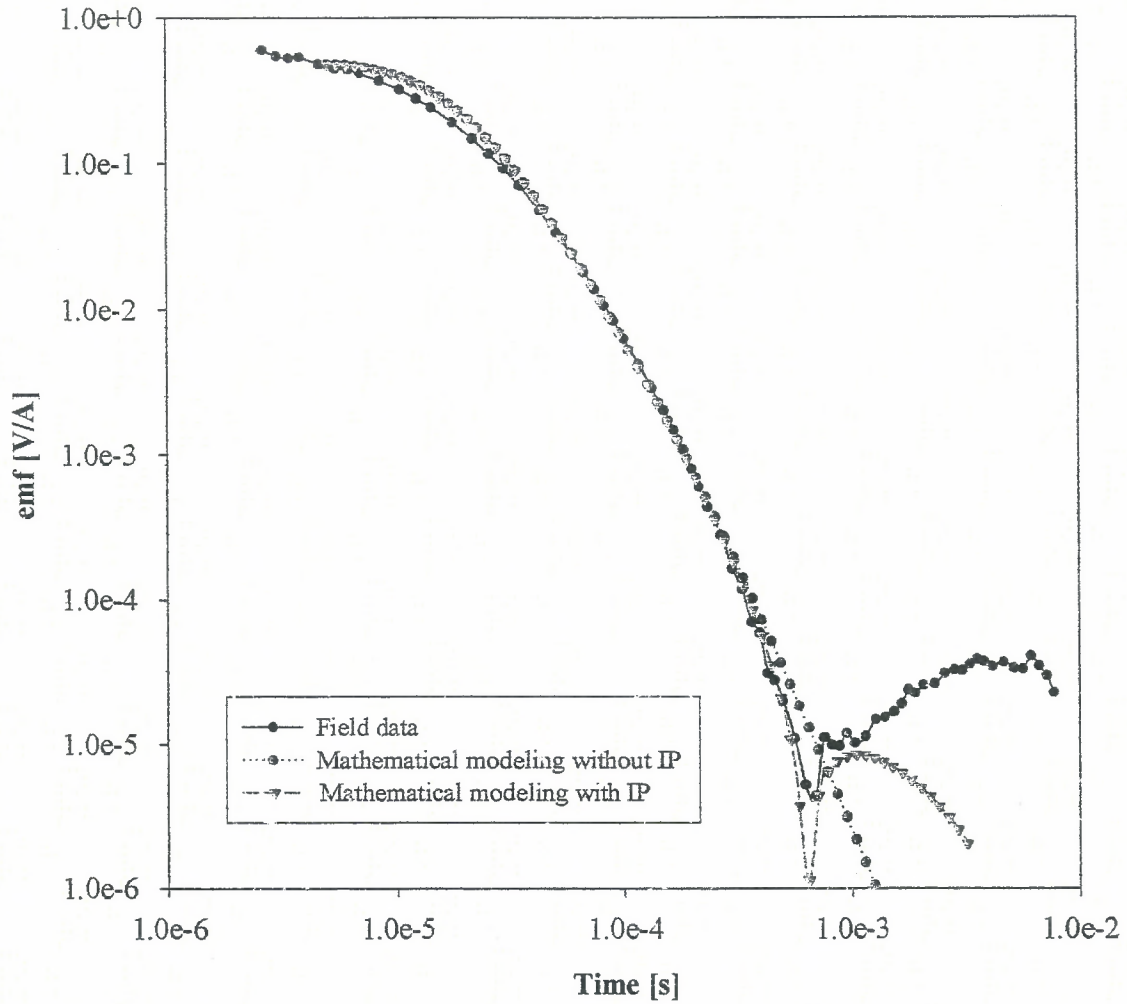
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TDEM 45

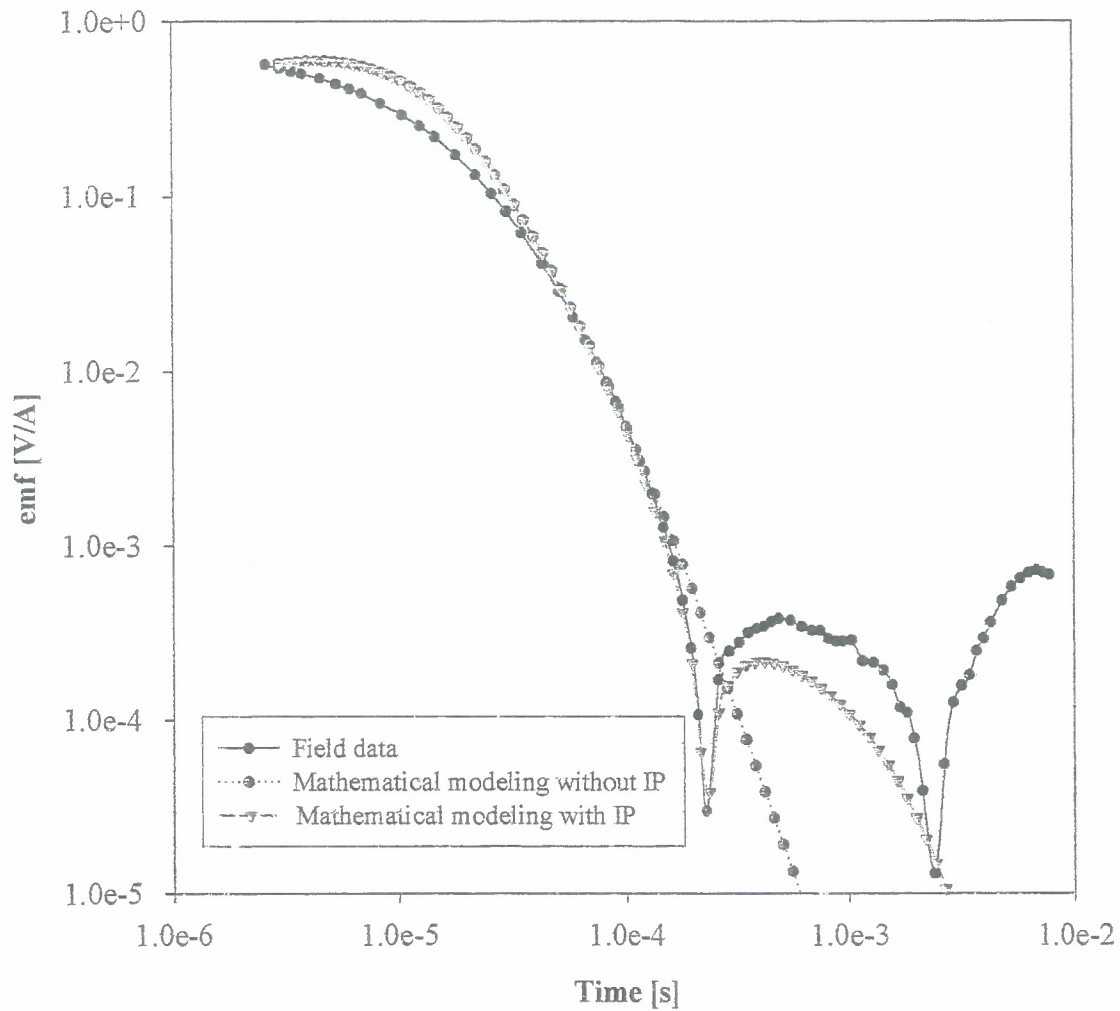


TDEM 45

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	8.5	11	-	-
2	15	11	-	-
3	19.5	6	1.5	10

Draft for discussion
CONFIDENTIAL
Research for MS

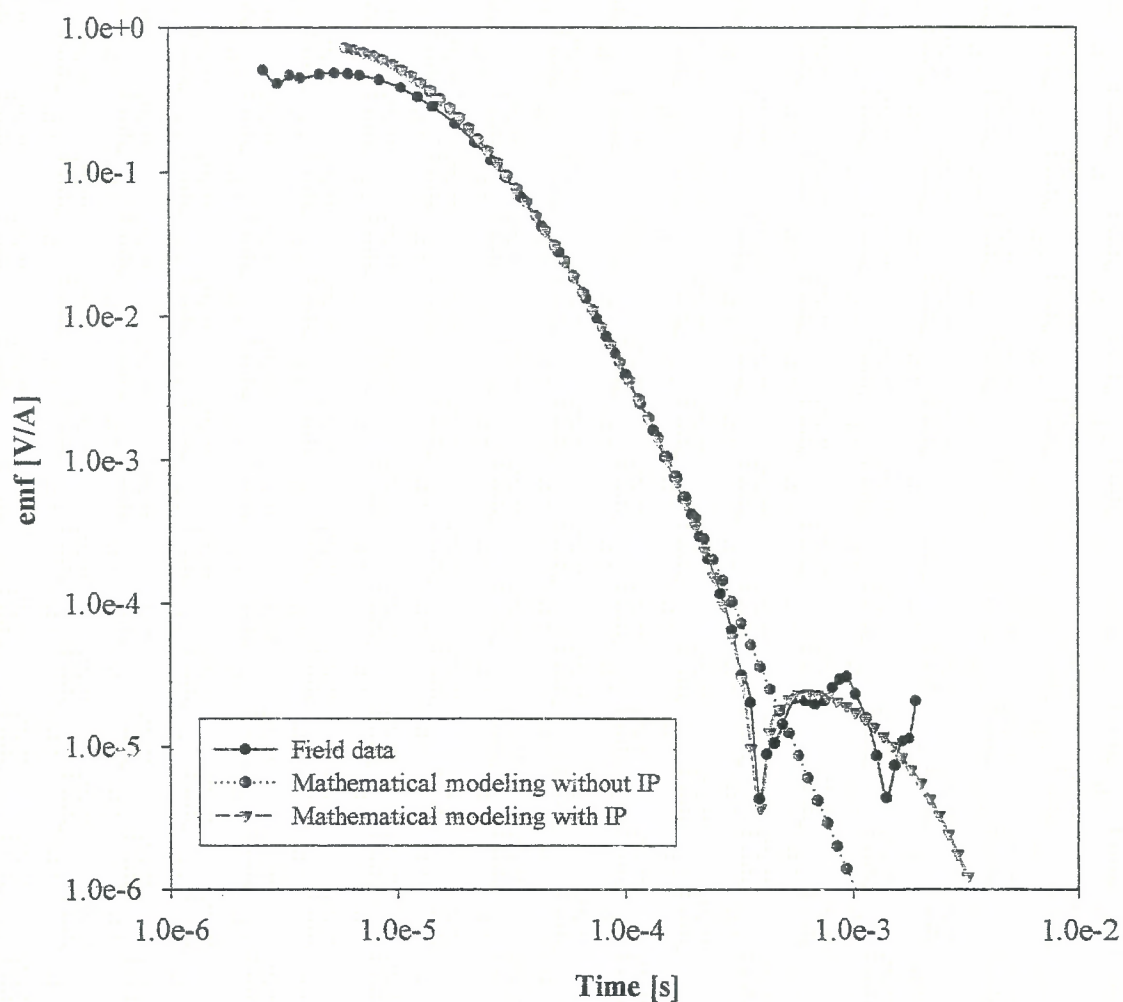
TDEM 46



TDEM 46

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	8.5	9	-	-
2	15	11	0.2	20
3	40	6	0.9	30

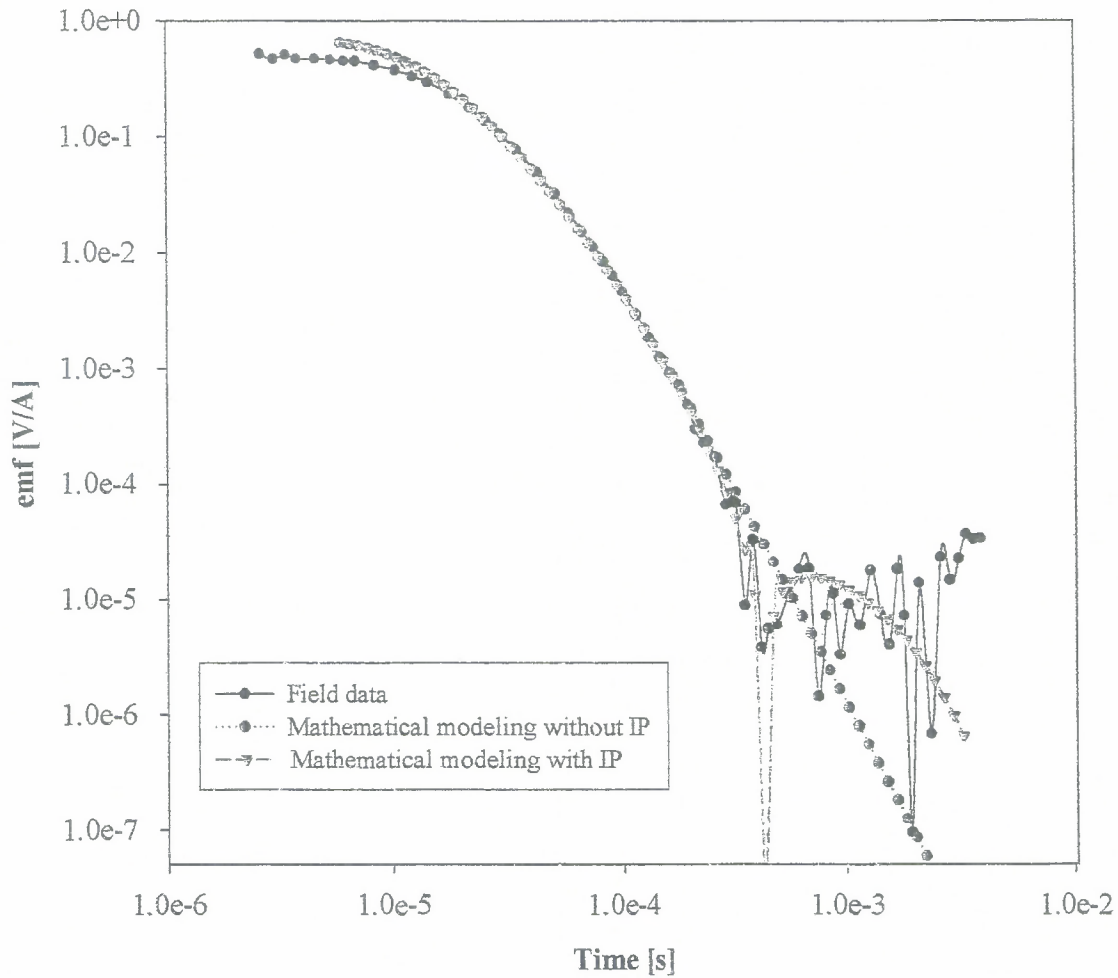
TDEM 47



TDEM 47

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	8.5	7	-	-
2	15	11	-	-
3	40	6	0.9	10

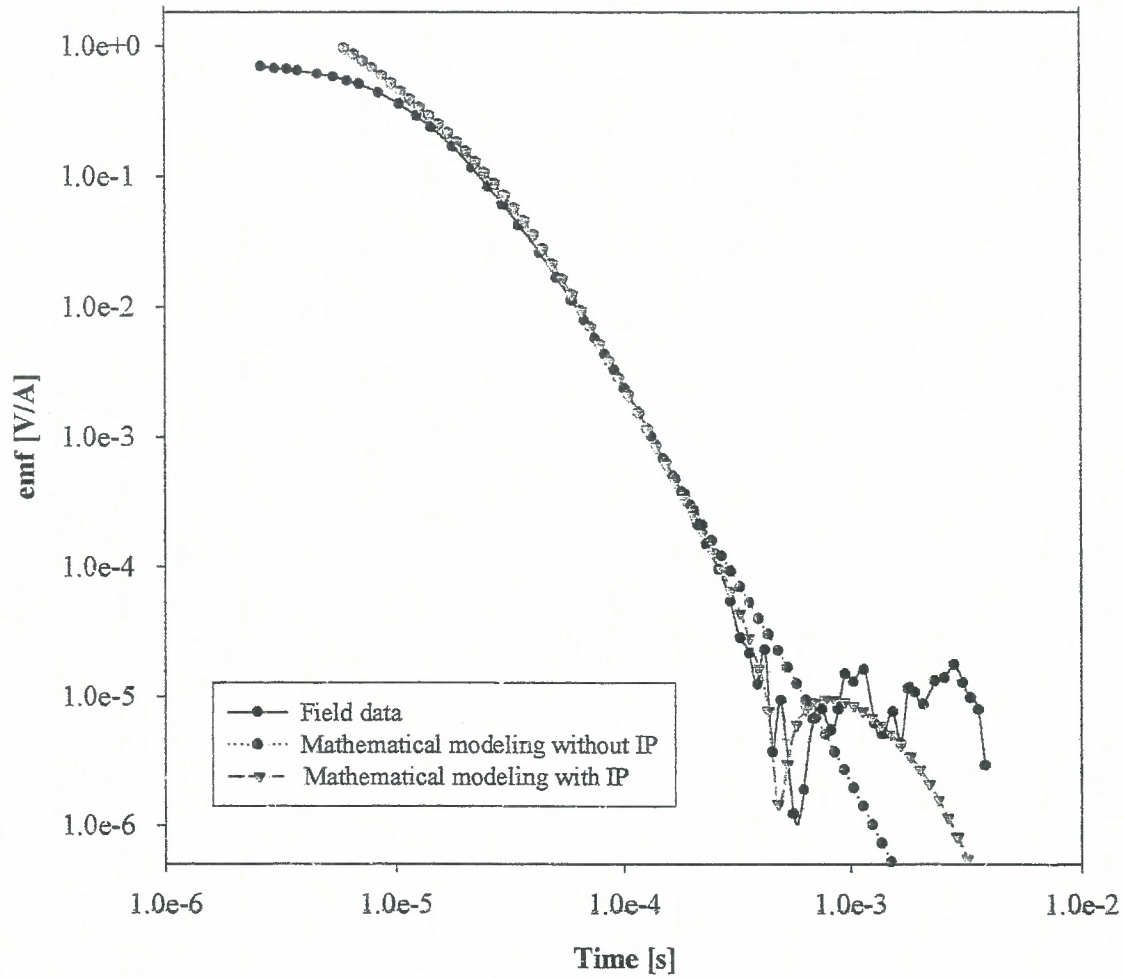
TDEM 48



TDEM 48

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	8.5	8	-	-
2	15	11	-	-
3	40	6	0.8	8.5

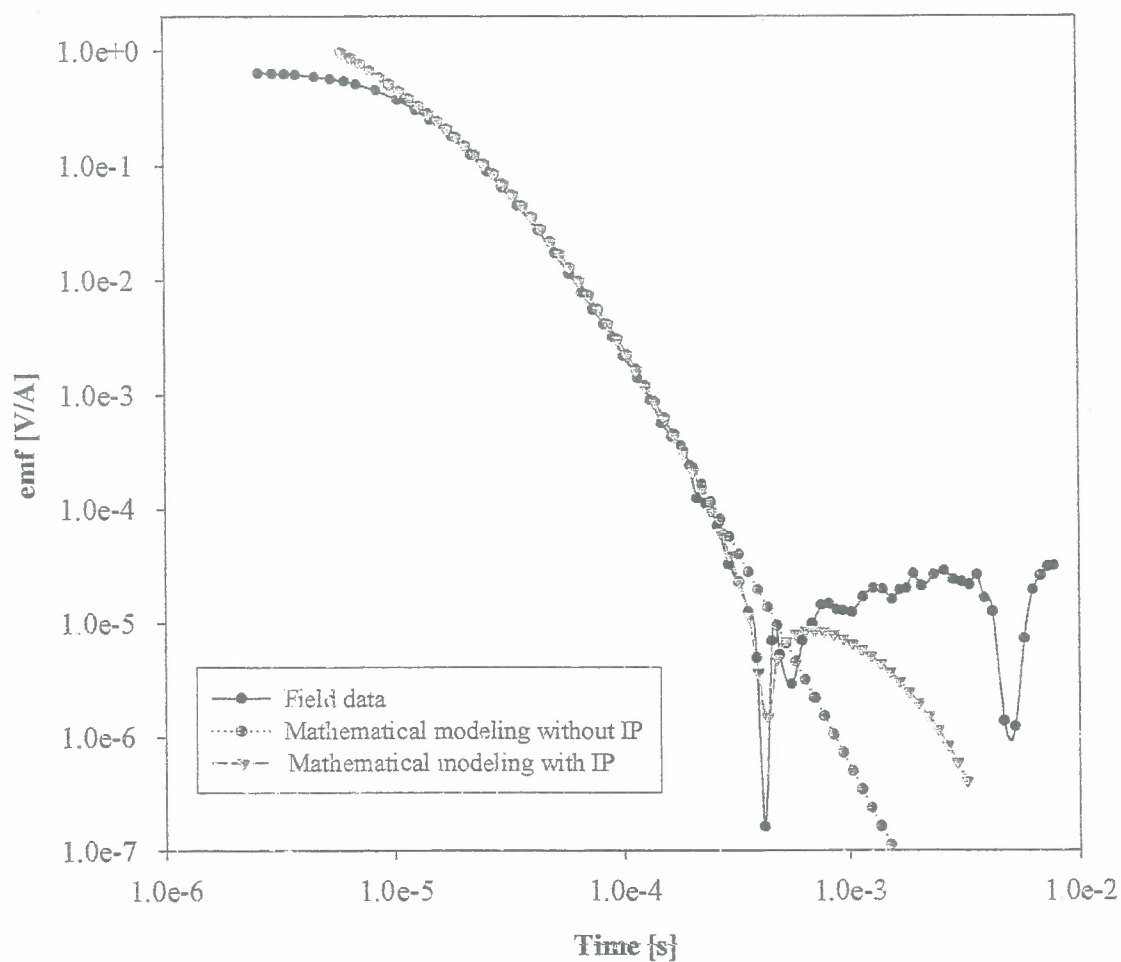
TDEM 49



TDEM 49

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	10.5	4	-	-
2	15	12	-	-
3	40	7	0.8	4.5
4	78	100	-	-

TDEM 50



TDEM 50

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	10.5	4	-	-
2	15	12	-	-
3	40	7	0.8	3

Draft for discussion
CONFIDENTIAL
Research for IVS

**Results of interpretation TDEM data.
Vanderbijlpark, 3 part**

TDEM 1

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	10	13	-	-
2	33	9	-	-
3	48	6	0.8	15

TDEM 2

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	15	12	-	-
2	33	9	0.8	5

TDEM 3

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	11.5	11	-	-
2	33	9	-	-
3	48	7	1.2	4

TDEM 4

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	12	10	-	-
2	33	9	-	-
3	48	10	1.2-1.4	3

TDEM 5

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	8	8.5	-	-
2	33	4	1.2	3

TEM 6 distorton?

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	6	4.5	-	-
2	33	4	1.4	10
3	43	1	1.2	15
4	40	28	-	-

TDEM 7

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	9.6	3.4	-	-
2	33	4	-	-
3	43	2	-	-
4	40	28	-	-

TDEM 8

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	10	8	-	-

TDEM 9

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	10.5	16	-	-
2	43	3	0.7	25

TDEM 10

Nº of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	13.5	10	-	-
2	28	14	0.8	2
3	48	10	1.0	14

TDEM 10a

Nº of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	13.5	10	-	-
2	32	13	-	-
3	48	11	1.2	12

TDEM 11

Nº of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	13.5	10	-	-
2	53	7	0.8	11

TDEM 12 (?? too big polarization)

Nº of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	14	11.5	-	-
2	33	3	0.8	35

TDEM 13

Nº of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	14	13.5	-	-
2	33	2	0.8	1
3	48	3	1.2	10-12

TDEM 13a

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	14	13.5	-	-
2	33	5	-	-
3	48	5	-	-

TDEM 14

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	12	8	-	-
2	33	4	1.2	3-6

TDEM 15

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	14	12	-	-
2	33	1	0.6	2

TDEM 15a

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	15.5	10	-	-
2	33	11	-	-
3	43	2	-	-

TDEM15aa (b)

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	11	10	-	-
2	33	4	-	-
3	43	2	-	-

TDEM 15c

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	9	12	-	-
2	33	4	-	-

TDEM 16

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	9.5	13	-	-
2	33	13	0.8	8
3	48	10	0.8	36

TDEM 17

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	10.5	12.3	-	-
2	53	2.5	0.7	24

TDEM 18

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	14.5	9	-	-
2	33	12	-	-
3	48	8	1.2	13

TDEM 19

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	14.5	8.5	-	-
2	33	8	-	-
3	48	7	1.2	11.5

TDEM 20

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	12	10	0.65	10
2	33	4	0.5	20?

TDEM 22 (distortion?)

	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	I cannot		But not	-
2	receive	good misfit	polarization	-

TDEM 23

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	16.5	9	-	-
2	33	15	1.4	29

TDEM 24

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	14	11	-	-
2	33	17	0.8	4
3	48	10	0.25	25

TDEM 24a

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	14	22	-	-
2	33	17	0.8	4
3	48	10	1.2	25

TDEM 24b

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	10.5	11	-	-
2	33	16	0.8	10
3	48	8	1.2	25

TDEM 25

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	12.5	18	-	-
2	33	5	0.8	24

TDEM 26

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	10.5	8	-	-
2	33	7	-	-
3	48	8	1.2	2

TDEM 26a

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	10.5	8	-	-
2	33	7	-	-
3	48	8	1.2	3

TDEM 26 b

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	5.5	10	-	-
2	33	1	-	-

TDEM 26c

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	5.5	2	-	-
2	13.5	4	-	-
3	33	10	-	-

TDEM 26d

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	5.5	10	-	-
2	33	5	0.6	5

TDEM 30

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	6.5	15	0.15	15
2	23	1	1.2	16

TDEM 31

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	8	11	-	-
2	33	4	-	-
3	48	6	1.2	15

TDEM 31a

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	7	10	-	-
2	33	4	-	-
3	48	6	1.2	14

TDEM 31b perhaps distortion.

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	6.5	15	0.8	40

TDEM 32

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	14.5	12	-	-
2	33	4	-	-
3	48	6	1.2	12

TDEM 34

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	10.5	9	-	-
2	33	3	-	-
3	48	8	1.2	3

TDEM 36

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	16.5	7.5	-	-
2	33	10	-	-
3	48	5	1.2	~7

TDEM 36a

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	16.5	7.5	-	-
2	33	10	-	-
3	48	7	1.4	5

TDEM 37

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	7.5	10	-	-
2	23	2	0.8	9

TDEM 38

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	7.53	10	-	-
2	23	2	0.8	4

TDEM 39

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	10.5	9.5	-	-
2	33	8	-	-
3	48	7	1.2	3

TDEM 40

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	7	2	-	-
2	8	12.5	-	-
3	100	28.5	-	-
4	2.5	17	-	-

TDEM 41

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	6	2.4	-	-
2	8.5	7.6	-	-
3	83	59	-	-
4	0.2	11	-	-
5	0.1	10	-	-

TDEM 42

№ of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	4.4	8	-	-
2	10	11	-	-
3	110	61	-	-
4	0.2	20	-	-

TDEM 43

№ of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	4.5	3.1	-	-
2	10	219	-	-
3	100	6	-	-
4	1.5	24	-	-

TDEM 44

№ of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	5.5	2.3	-	-
2	10	12.7	-	-
3	100	19	-	-
4	0.2	16	-	-

TDEM 45

№ of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	8.5	11	-	-
2	15	11	-	-
3	19.5	6	1.5	10

TDEM 46

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	8.5	9	-	-
2	15	11	0.2	20
3	40	6	0.9	30

TDEM 47

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	8.5	7	-	-
2	15	11	-	-
3	40	6	0.9	10

TDEM 48

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	8.5	8	-	-
2	15	11	-	-
3	40	6	0.8	8.5

TDEM 49

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	10.5	4	-	-
2	15	12	-	-
3	40	7	0.8	4.5
4	78	100	-	-

TDEM 50

No of layers	ρ resistivity ($\Omega \cdot m$)	h thickness, m	τ decay constant (msec)	η polarizability (%)
1	10.5	4	-	-
2	15	12	-	-
3	40	7	0.8	3

APPENDIX II

- FIGURE II-1: Map indicating positions of Geophysical Traverse Lines.
- DATA SET II-1: Profile plots of the traverse lines.
- FIGURE II-2: Map indicating earthquakes larger than or equal to M_L 4.7.
- DATA SET II-2: List with earthquakes larger than or equal to M_L 4.7.

FIGURE II-1

Map indicating positions of Geophysical Traverse Lines.



LEGEND

- Fault
- Dolerite Dyke
- Daspoort: Quartzite & Shale, Ferruginous in places
- Gravel
- Strubenkop: Ferruginous shale, Quartzite
- Hekpoort: Andesite, agglomerate, tuff
- Silverton: Shale with interbedded quartzite, hornfels, limestone
- Timeballhill: Klapperkop quartzite, ferruginous
- Alluvium
- Geophysical Traverse lines

Draft for discussion
CONFIDENTIAL
Research for IVS

SCALE 1: 50 000

Client: ISCOR Vanderbijlpark Steel
 Project: Masterplan Baseline Study
 Map Status: Final
 Compiled by: G. Cloete
 Checked by: R. Grobbelaar



JASPER MÜLLER ASSOCIATES CC

Project no:
10193

Date:
October 2002

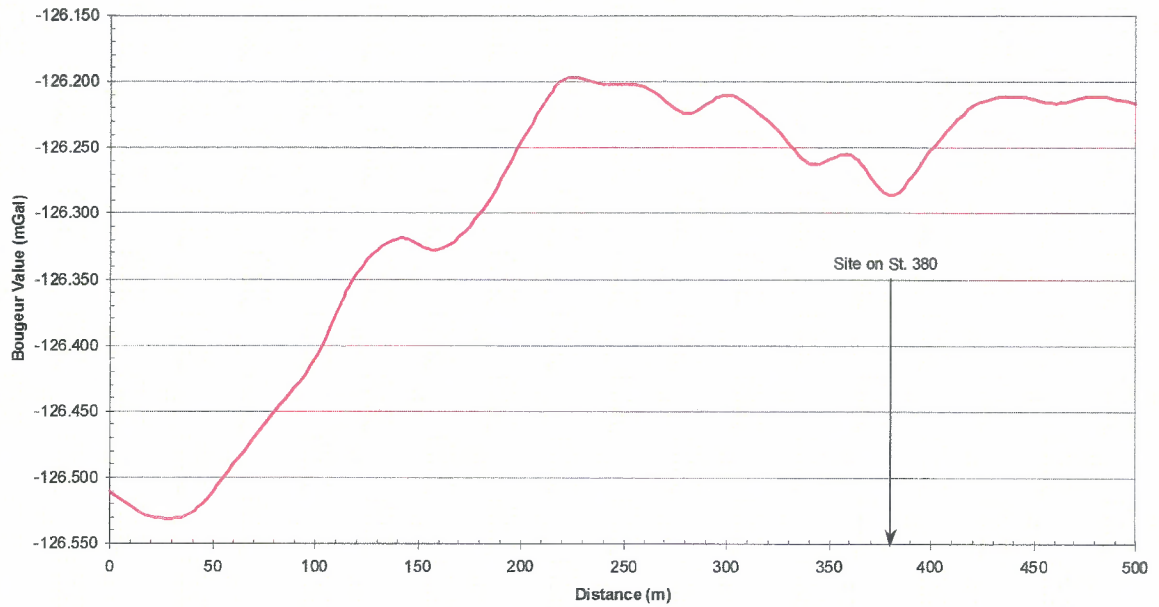
FIGURE II-1

Map indicating positions
 of Geophysical
 Traverse lines

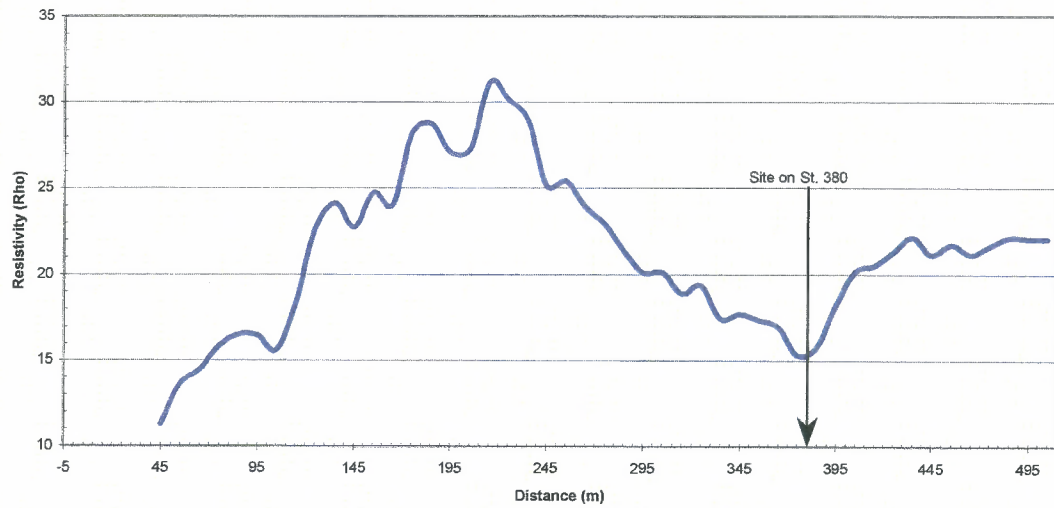
DATA SET II-1

Profile plots of the traverse lines.

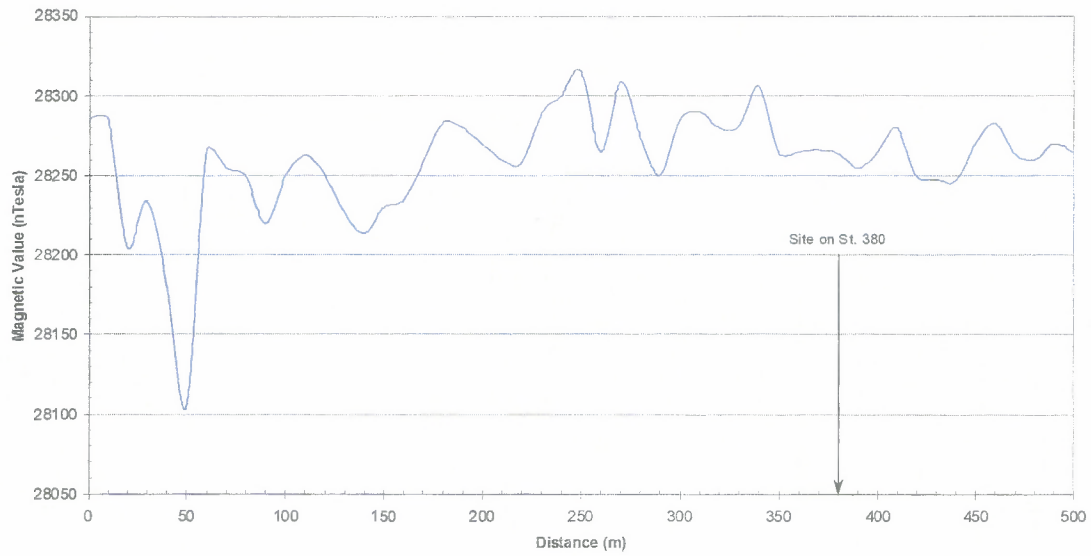
Line 1. Bouguer Profile



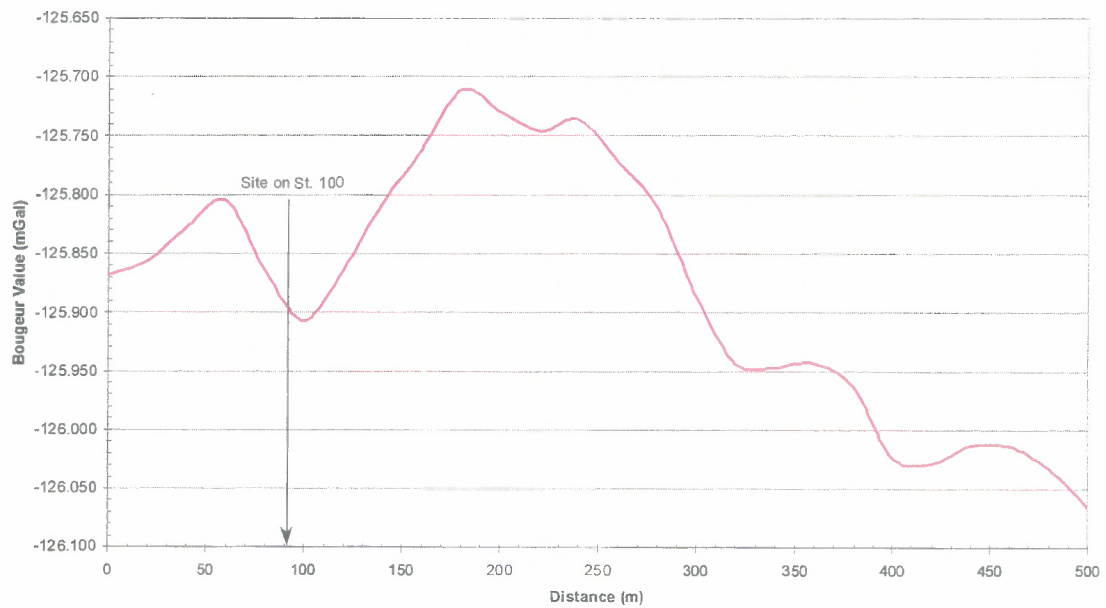
Line 1 : Resistivity Profile.
SW to NE



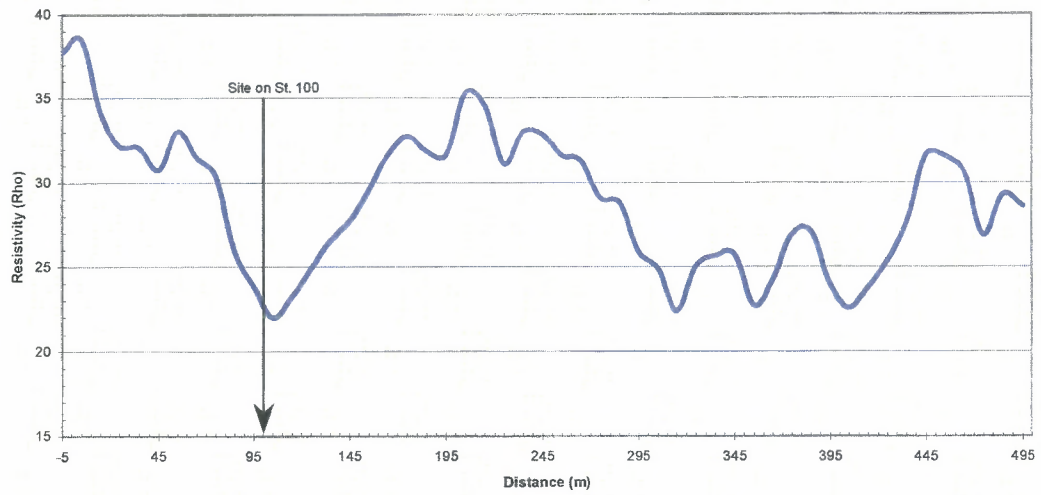
Line 1 : Magnetic Profile.
SW to NE



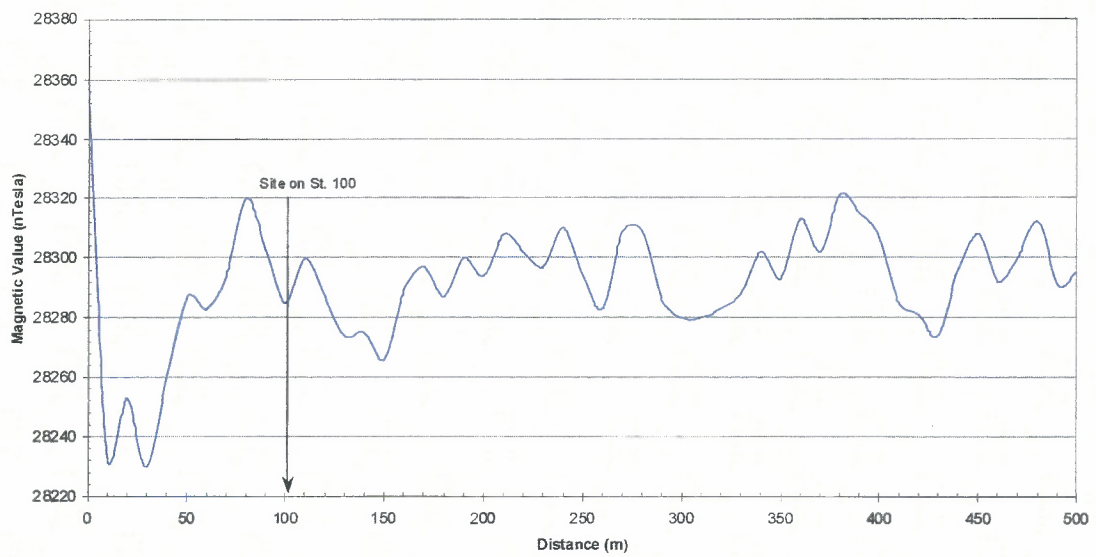
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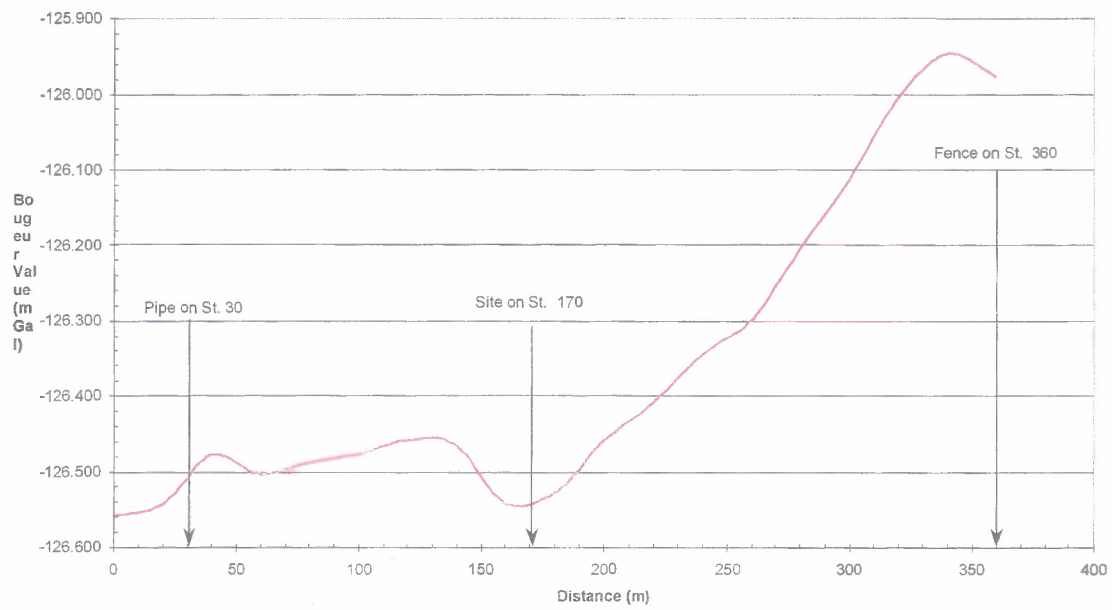
Line 2 : Resistivity Profile.
SW to NE



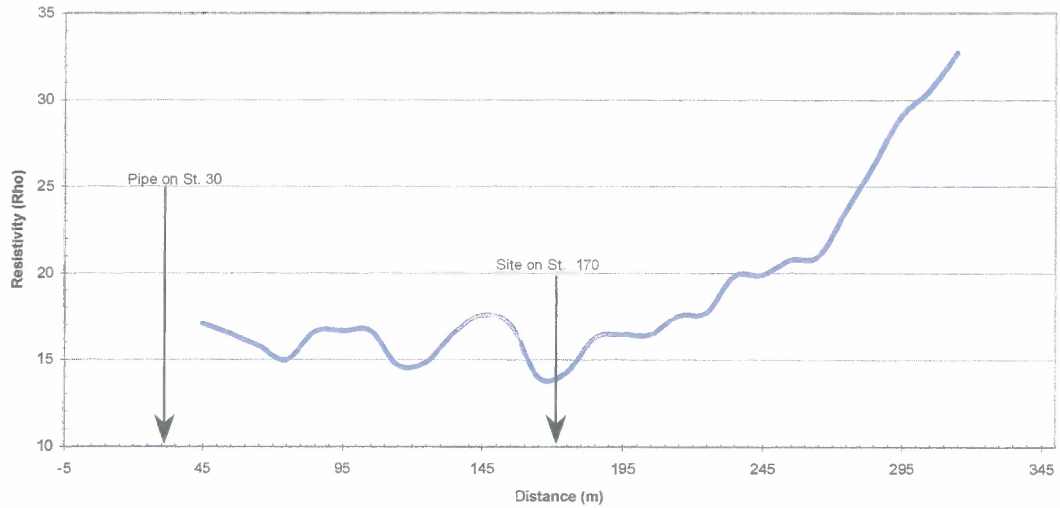
Line 2 : Magnetic Profile.
SW to NE



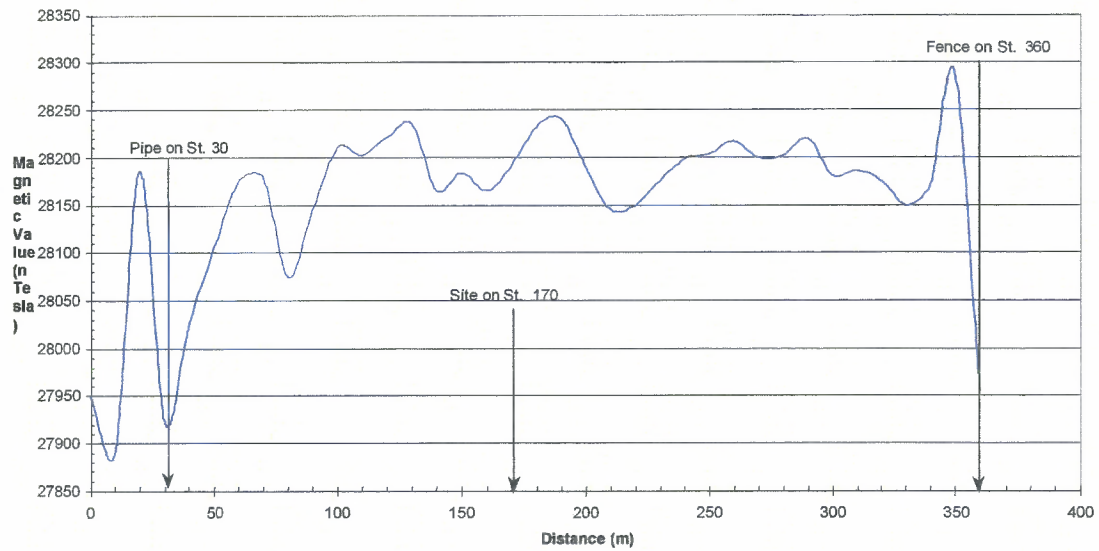
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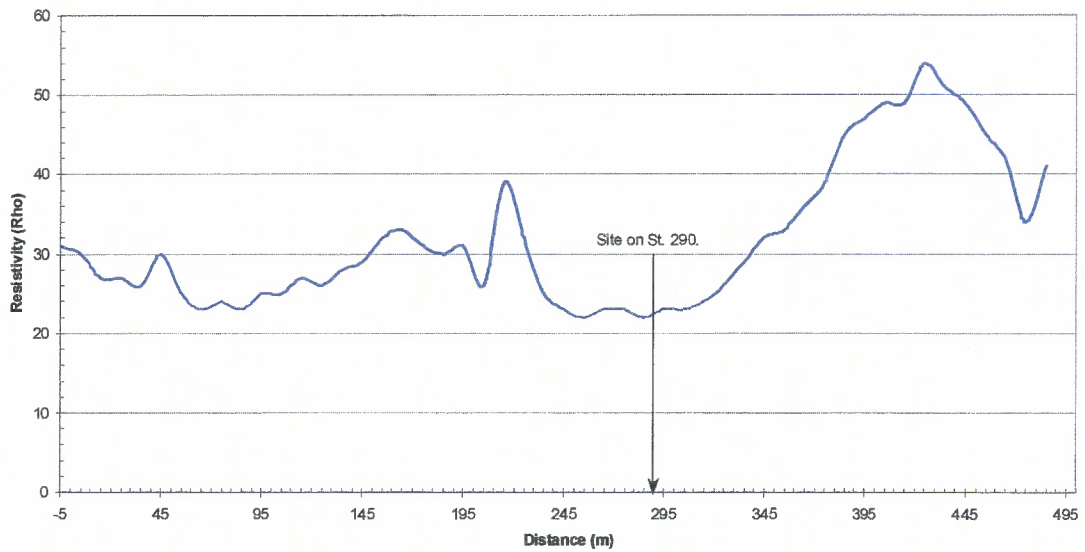
Line 3 : Resistivity Profile.
S to N



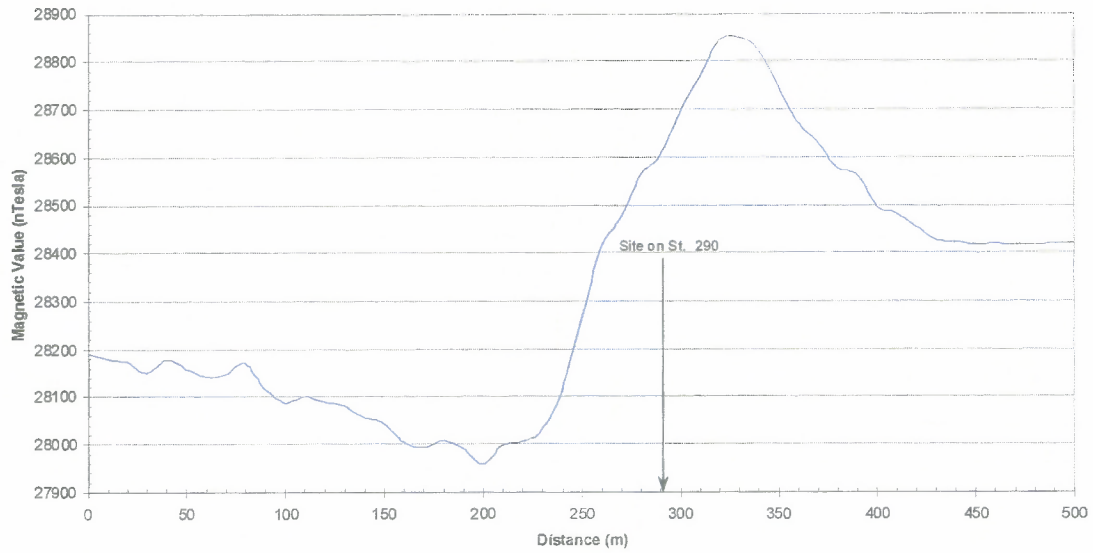
Line 3 : Magnetic Profile.
S to N



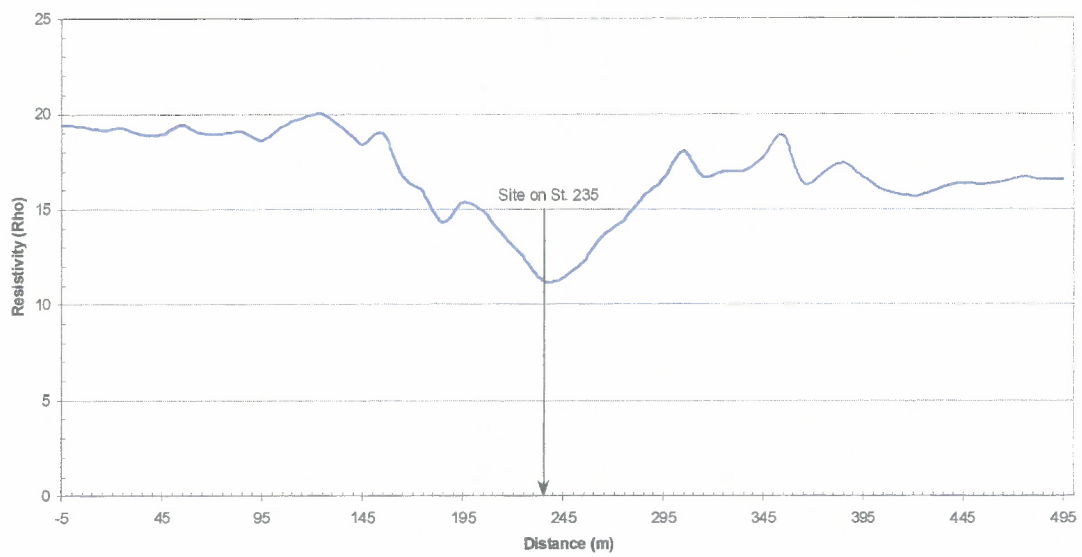
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S to N



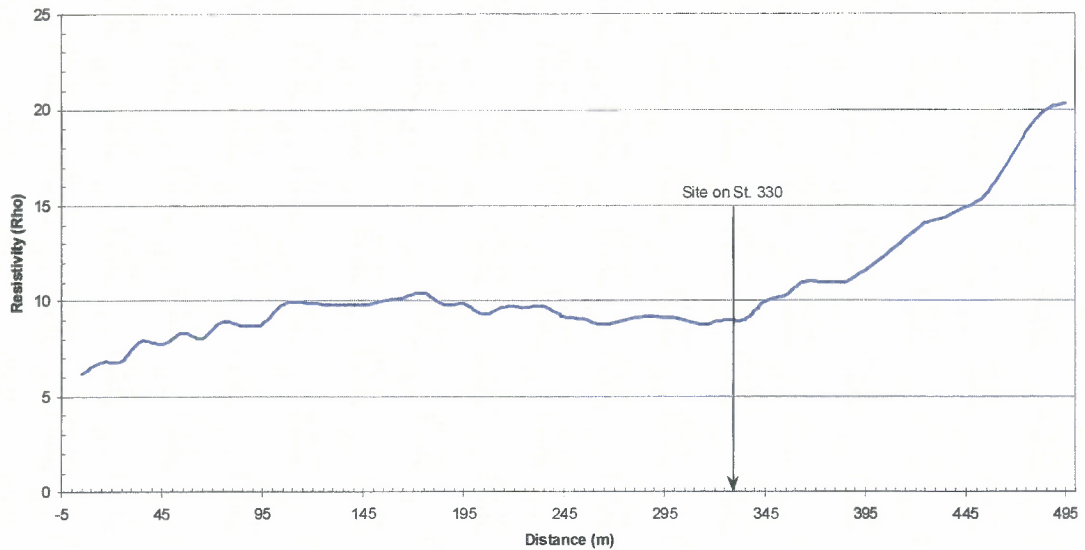
Line 4 : Magnetic Profile.
S to N



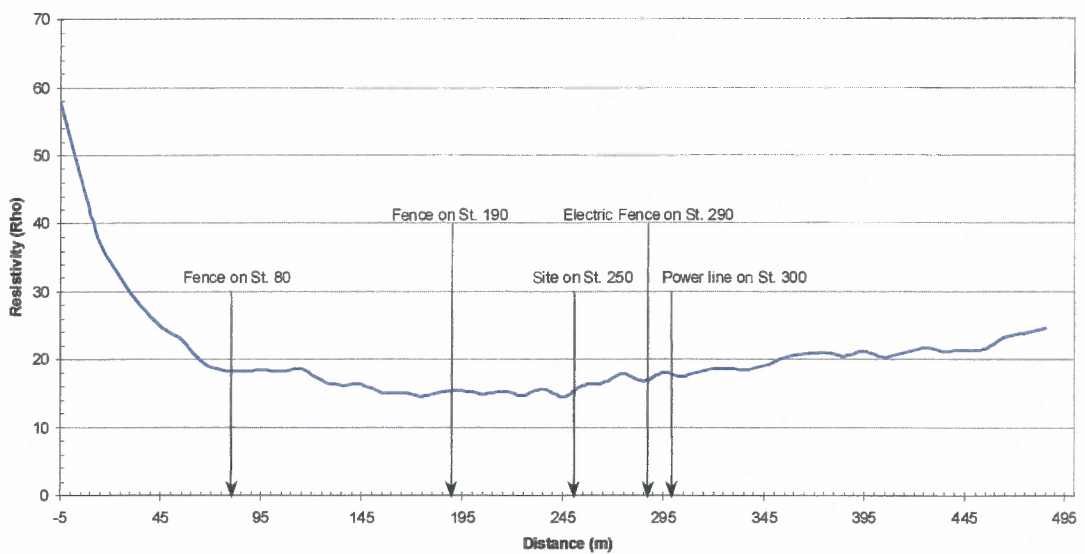
Line 5 : Resistivity Profile.
S to N



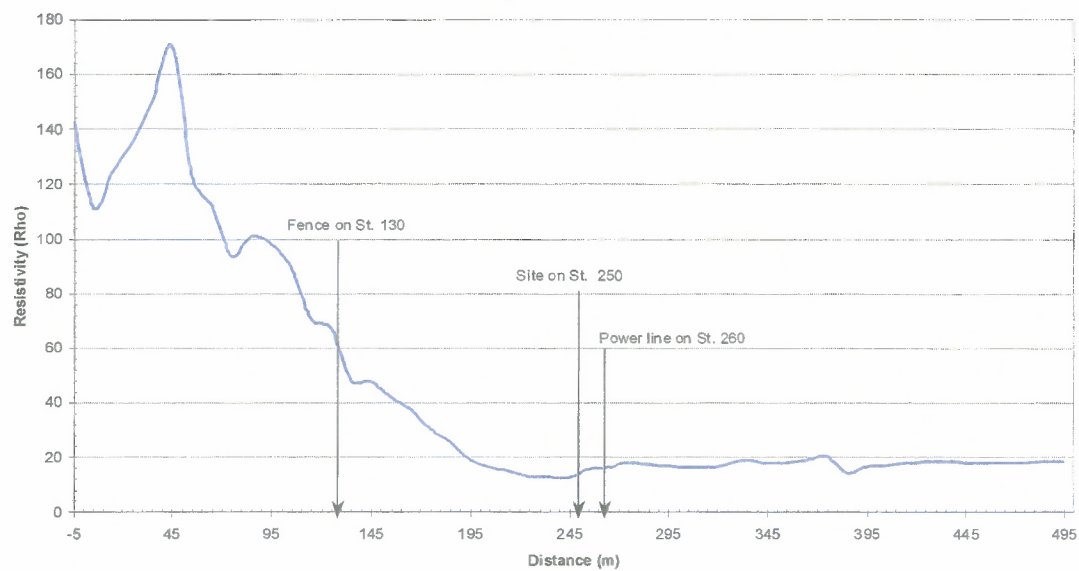
Line 6 : Resistivity Profile.
SW to NE



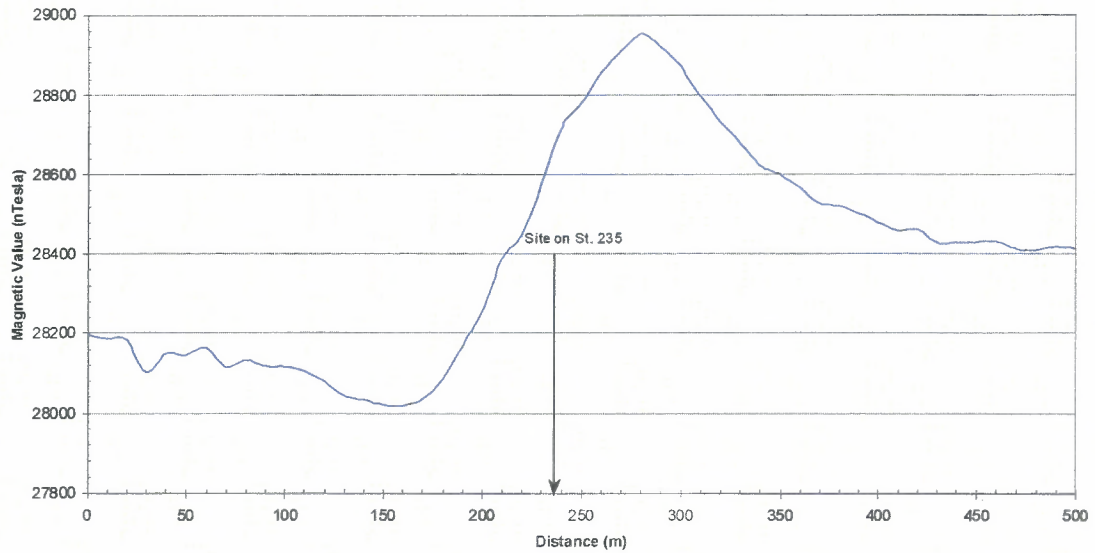
Line 7 : Resistivity Profile.
S to N



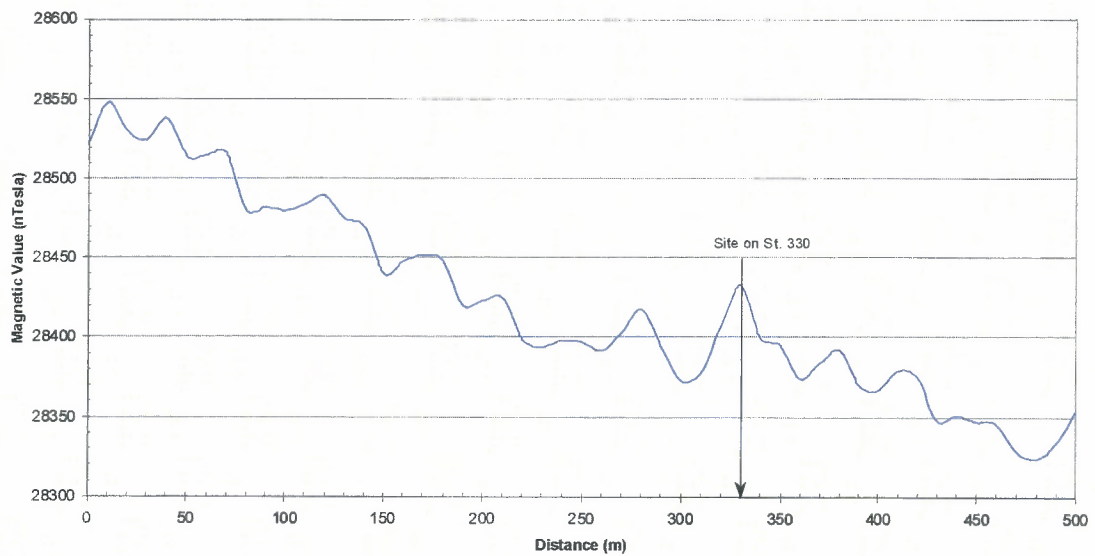
Line 8 : Resistivity Profile.
S to N



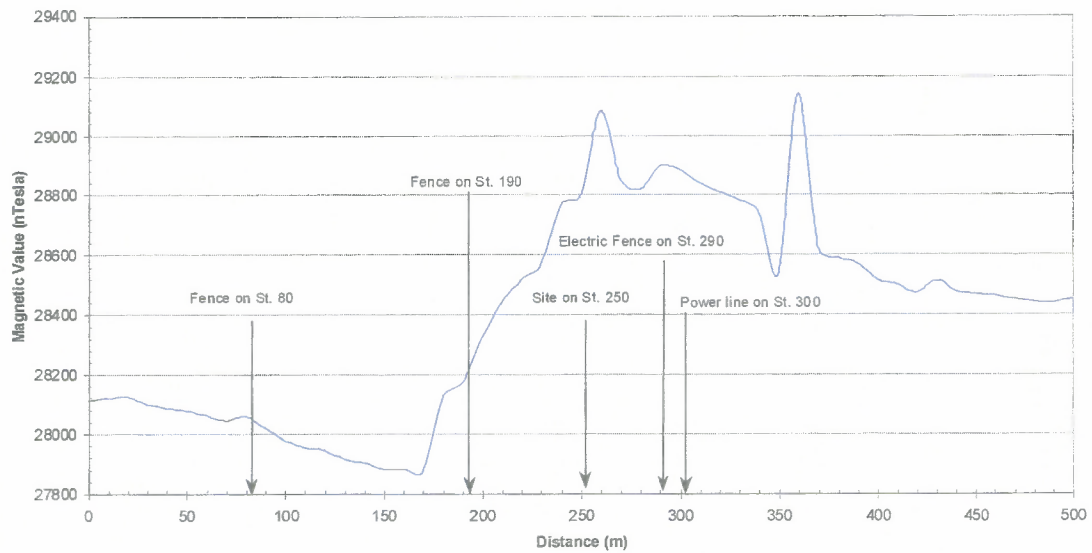
Line 5 : Magnetic Profile.
S to N



Line 6 : Magnetic Profile.
SW to NE



Line 7 : Magnetic Profile.
S to N



Line 8 : Magnetic Profile.
S to N

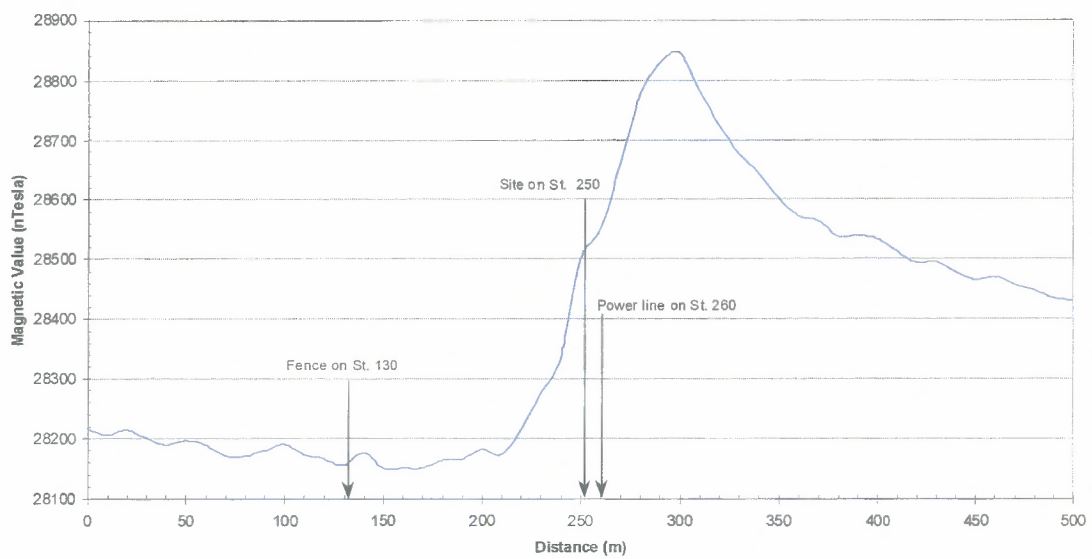
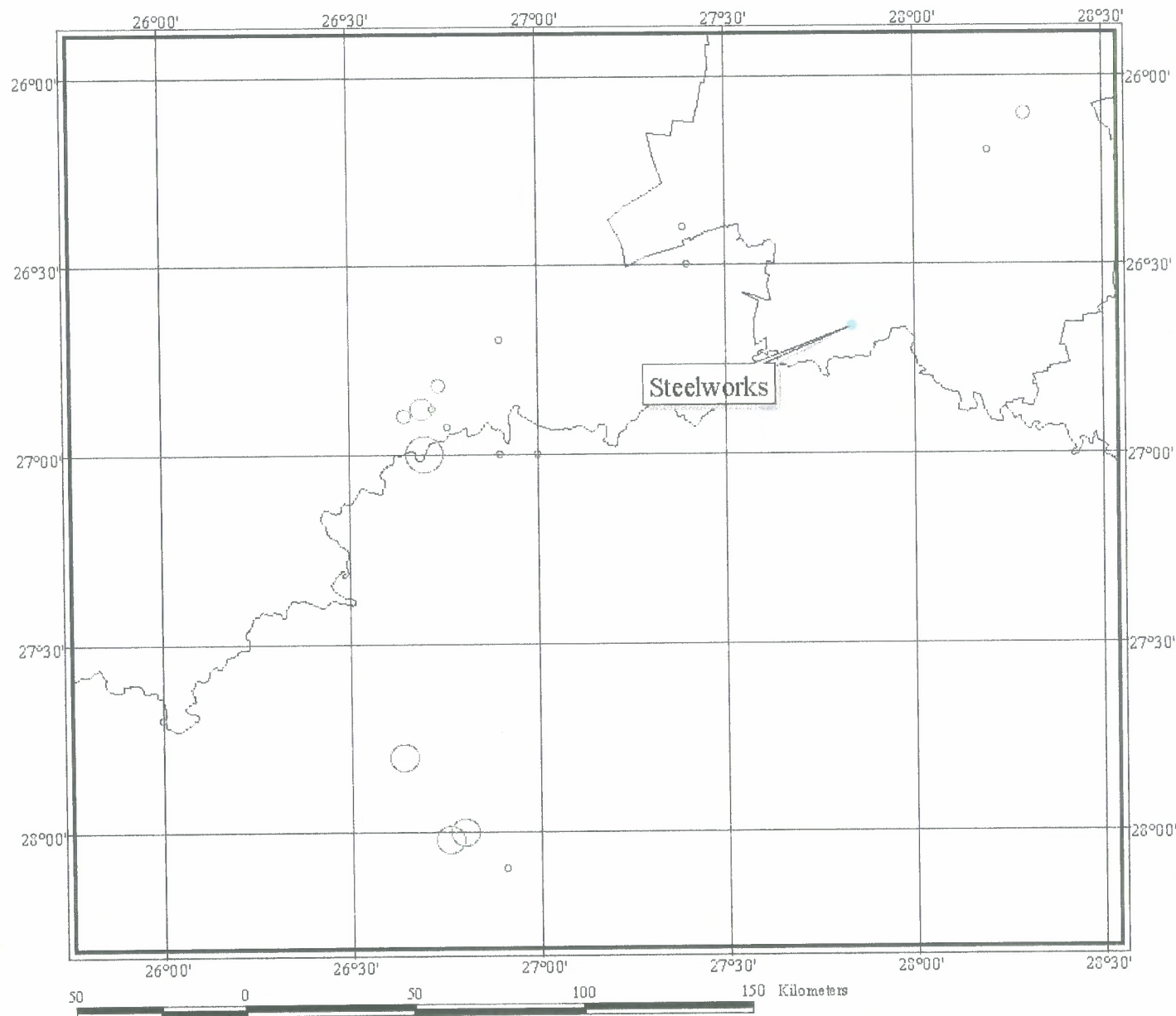


FIGURE II-2

Map indicating earthquakes larger than or equal to M_L 4.7



Magnitudes (Ml)

- 4.7-4.8
- 4.8-4.9
- 4.9-5
- 5-5.1
- 5.1-5.2

Draft for discussion
CONFIDENTIAL
 Research for IYS

Client: ISCOR Vanderbijlpark Steel
 Project: Masterplan Baseline Study
 Map Status: Final
 Compiled by: G. Cloete
 Checked by: R. Grobbelaar



JASPER MÜLLER ASSOCIATES CC

Project no:

10193

Date:

October 2002

FIGURE II-2

Map showing Earthquakes of
 Magnitude 4.7 & greater,
 from the SA Earthquake Databank
 up to December 2000

DATA SET II-2

List with earthquakes larger than or equal to M_L 4.7

DATASET II-2
LIST OF ALL EARTHQUAKES OF MAGNITUDE 4.7 AND LARGER FROM THE
SOUTH AFRICAN EARTHQUAKE DATABANK UP TO DECEMBER 2000.

N	Date	Time (GMT)	Lat.	Long.	Region	Magnitude (ML)
1	1971-08-02	16:52:24.0	27.7 S	26.0 E	FREE STATE GOLD MINES	4.8
2	1972-11-01	21:14:40.3	27.0 S	26.9 E	KLERKSDORP GOLD MINES R.S.A.	4.7
3	1972-11-02	14:43:43.6	26.5 S	27.4 E	FAR WEST RAND GOLD MINES RSA	4.8
4	1973-12-19	03:07:00.0	26.7 S	26.9 E	KLERKSDORP GOLD MINES R.S.A.	4.8
5	1974-01-21	15:15:55.1	26.1 S	28.3 E	EAST RAND GOLD MINES R.S.A.	4.9
6	1974-07-23	14:09:54.8	27.0 S	27.0 E	KLERKSDORP GOLD MINES R.S.A.	4.7
7	1976-12-08	08:38:22.8	28.0 S	26.8 E	WELKOM GOLD MINES R.S.A.	5.1
8	1977-04-07	11:54:38.3	27.0 S	26.7 E	KLERKSDORP GOLD MINES R.S.A.	5.2
9	1980-08-30	10:36:07.4	26.2 S	28.2 E	EAST RAND GOLD MINES R.S.A.	4.8
10	1984-01-28	13:16:08.1	26.88 S	26.69 E	REPUBLIC OF SOUTH AFRICA	5.0
11	1984-01-28	14:40:13.8	26.90 S	26.65 E	REPUBLIC OF SOUTH AFRICA	4.9
12	1986-01-01	16:00:51.9	26.82 S	26.74 E	KLERKSDORP GOLD MINES	4.9
13	1986-10-28	15:04:23.2	26.93 S	26.76 E	KLERKSDORP GOLD MINES	4.8
14	1990-09-26	23:08:25.6	28.10 S	26.91 E	FREE STATE GOLD MINES	4.8
15	1992-03-07	00:43:04.3	26.40 S	27.39 E	FAR WEST RAND GOLD MINES	4.7
16	1994-10-30	06:06:29.4	28.02 S	26.76 E	FREE STATE GOLD MINES	5.1
17	1995-11-25	04:05:04.3	26.88 S	26.72 E	KLERKSDORP GOLD MINES	4.7
18	1999-04-22	22:19:39.1	27.80 S	26.64 E	FREE STATE GOLD MINES	5.1

APPENDIX III

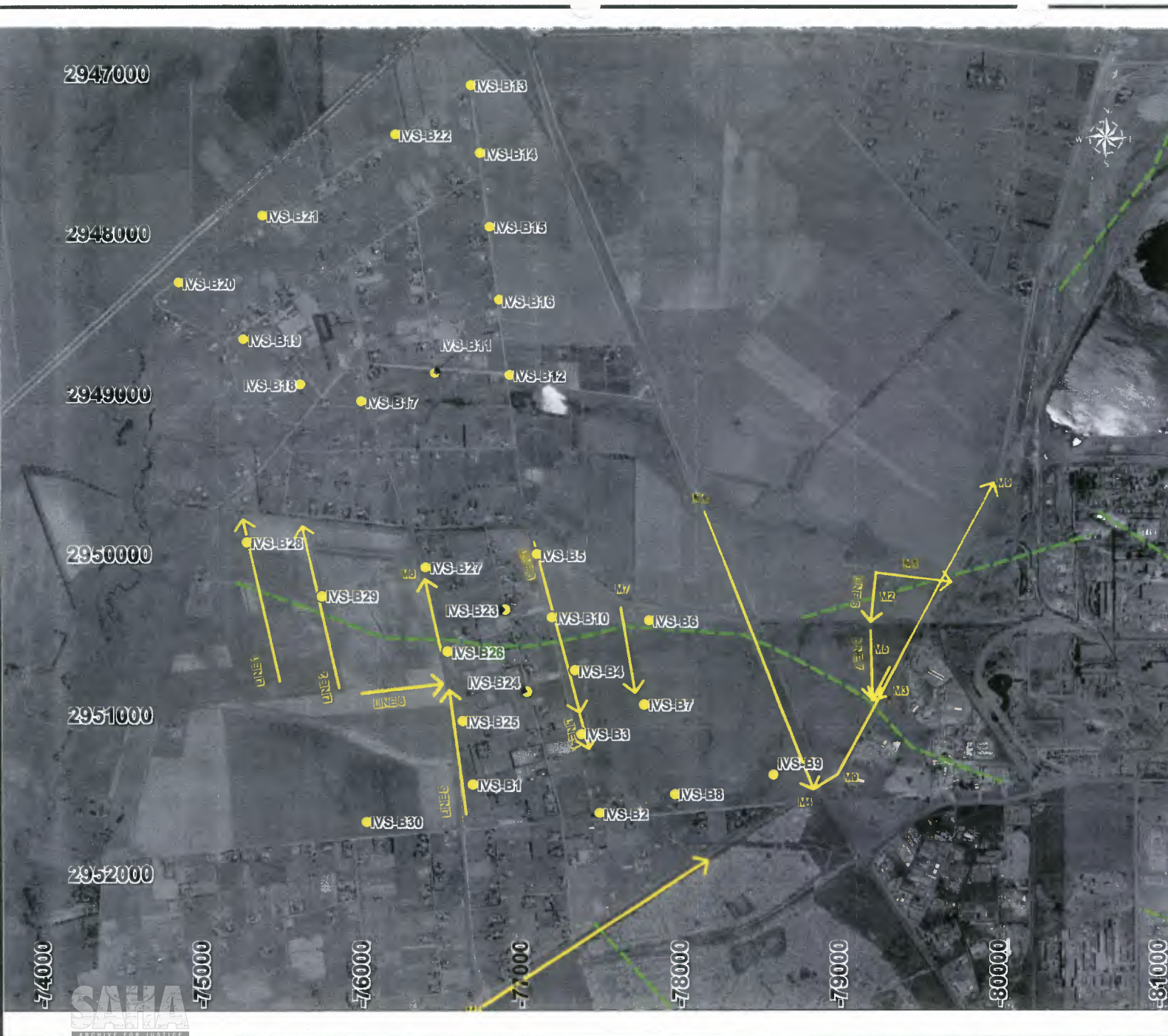
FIGURE III-1: Localities of the Geophysical Traverse Lines, inferred lineaments and boreholes for the Lamont Park, Rosashof and Louisrus areas.

DATA SET III-1: EM34 profiles.

DATA SET III-2: Magnetic profiles.

FIGURE III-1

Localities of the Geophysical Traverse Lines, inferred lineaments and boreholes for the Lamont Park, Rosashof and Louisrus areas.



LEGEND

- IVS Boreholes drilled
- Dyke
- Geophysical Traverse line

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SCALE 1: 35 000

Client: ISCOR Vanderbijlpark Steel
Project: Masterplan Baseline Study
Map Status: Final
Compiled by: G. Cloete
Checked by: R. Grobbelaar



JASPER MÜLLER ASSOCIATES CC

Project no:
10193

Date:
November 2002

FIGURE III-1

Localities of Geophysical Traverse lines, inferred lineaments and boreholes for the Lamont Park, Rosashof & Louisrus area

DATA SET III-1

EM34 profiles.

Chart4

Van der Bijlpark Line 1 (0-500)

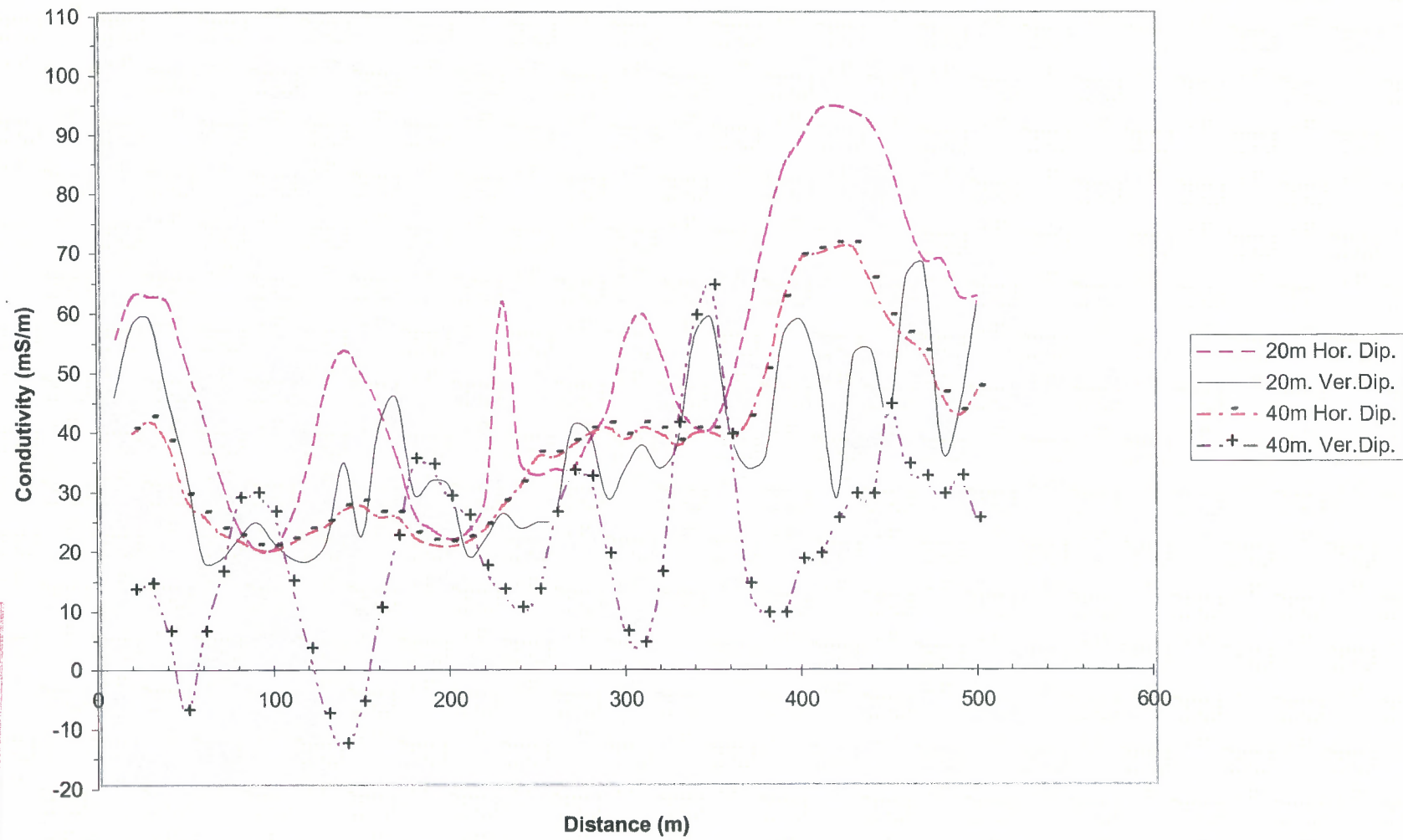
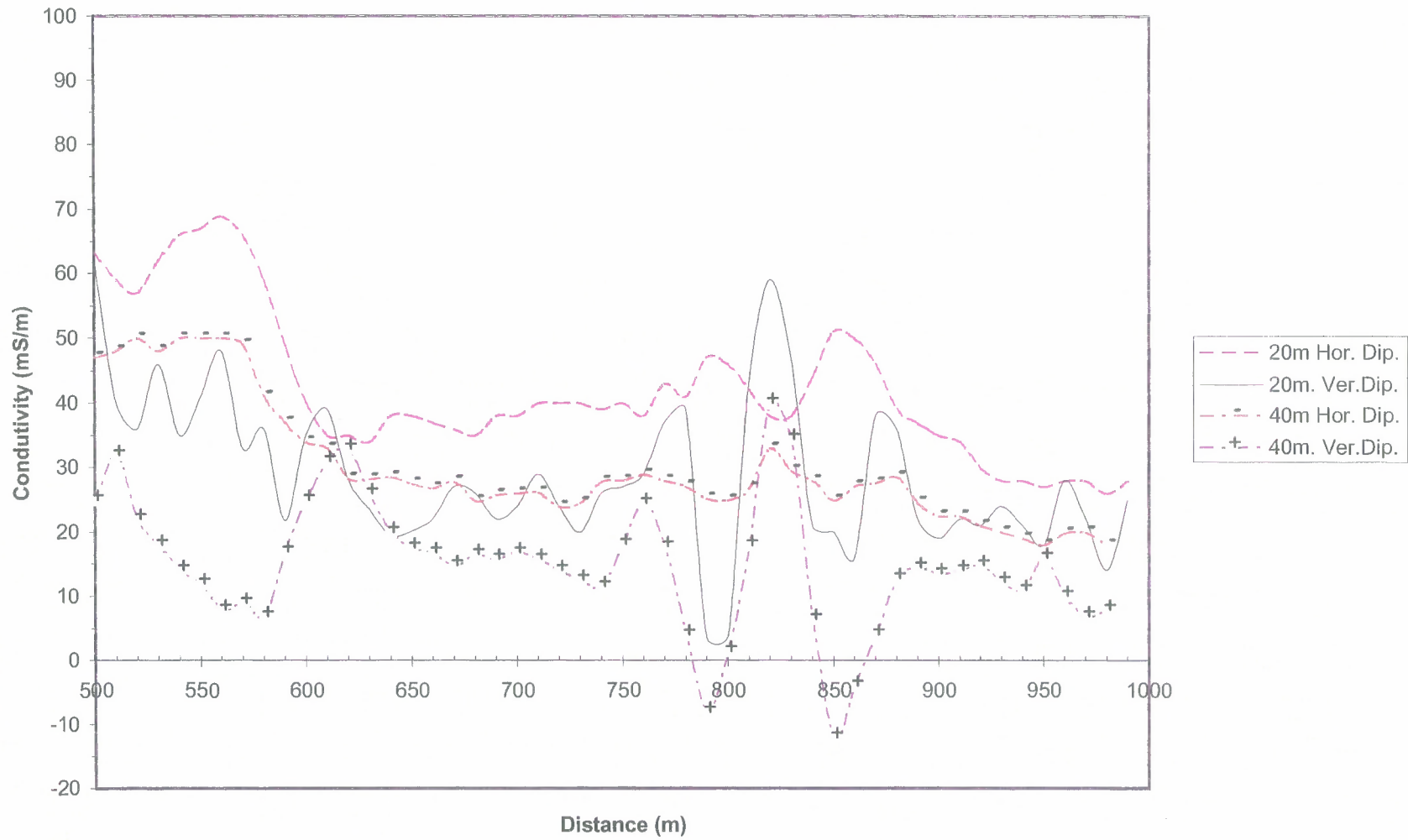


Chart5

Van der Bijlpark Line 1 (500-1000)



Van der Bijlpark Line 2 (0-500)

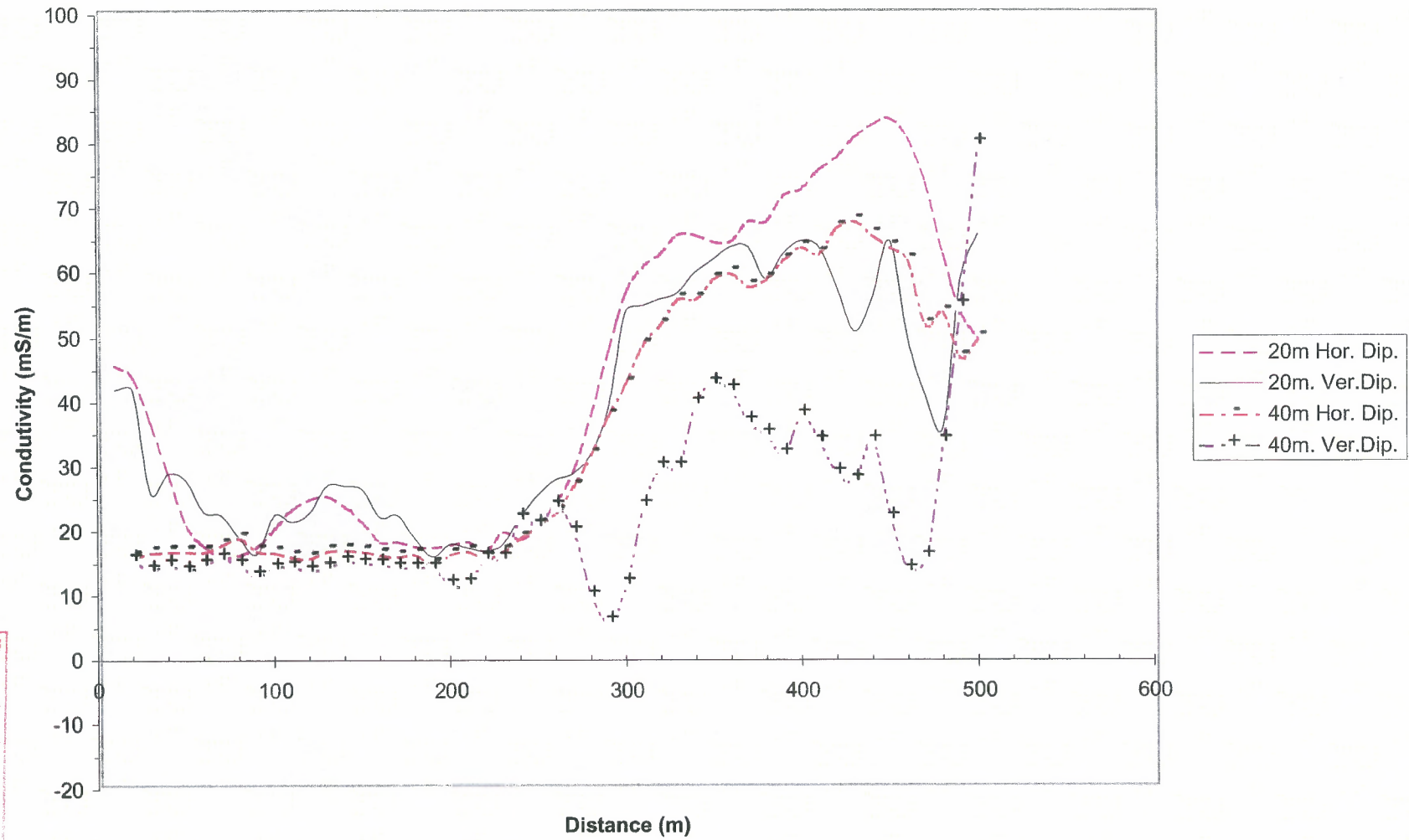


Chart5

Van der Bijlpark Line 2 (500-1000)

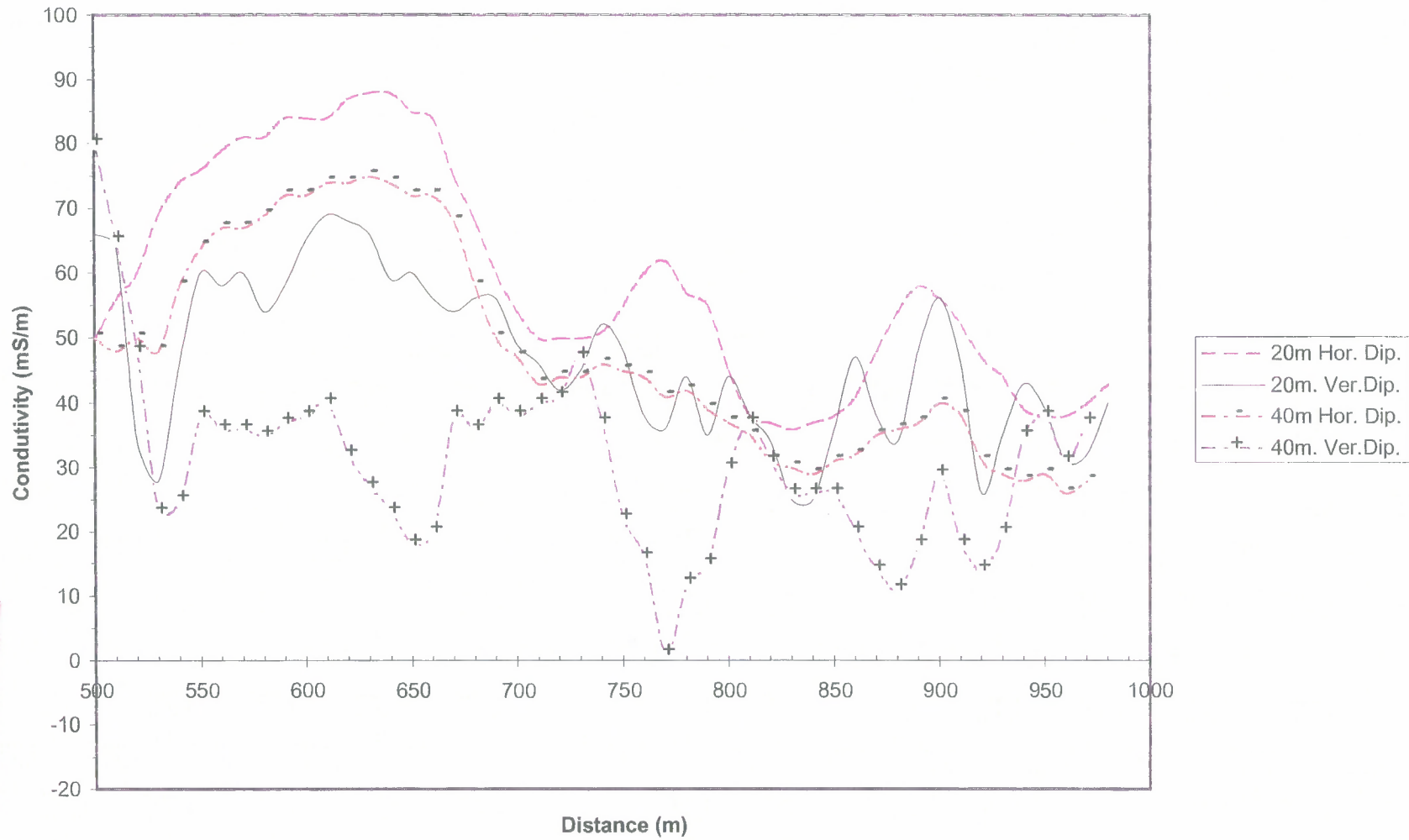


Chart4

Van der Bijlpark Line 3 (0-500)

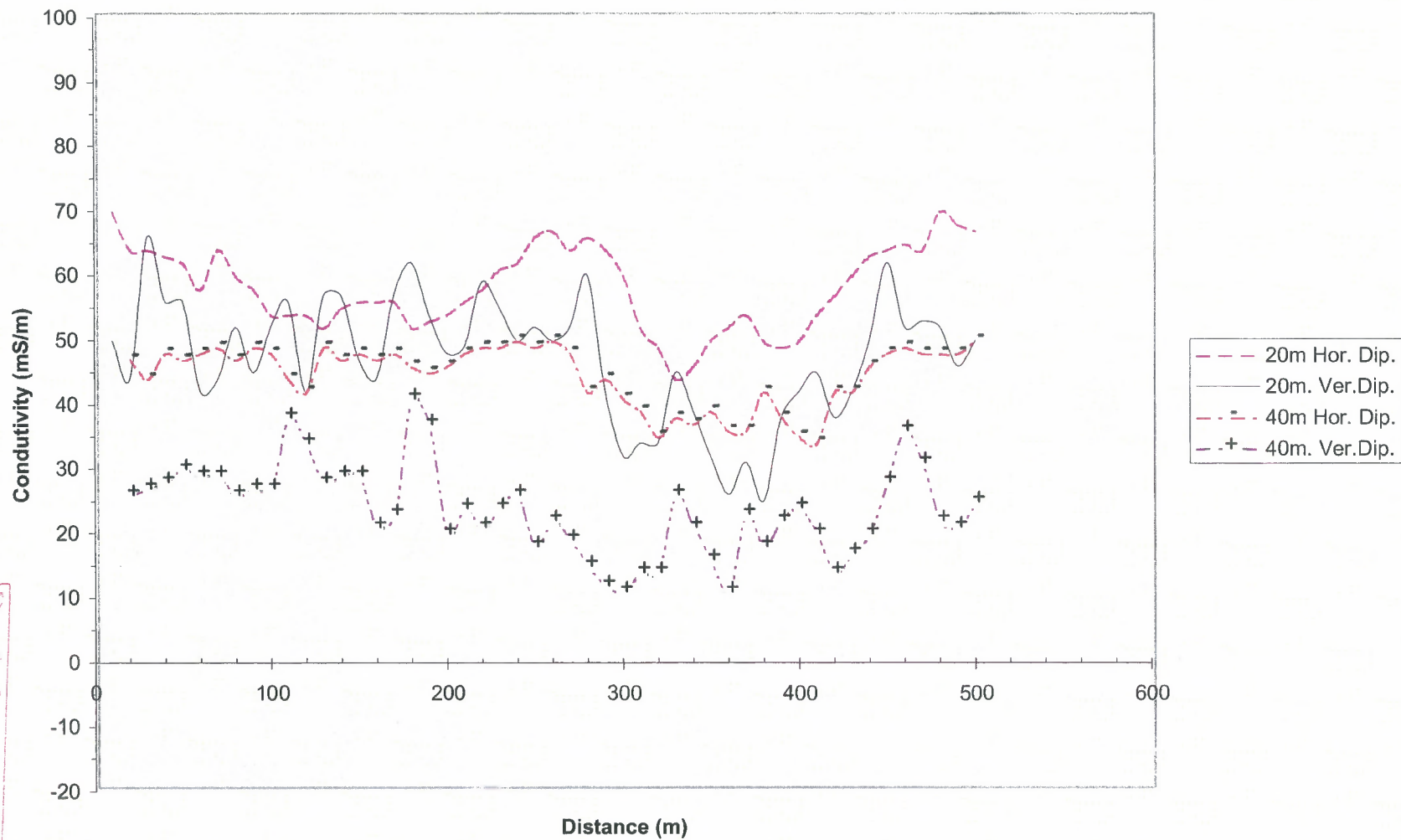
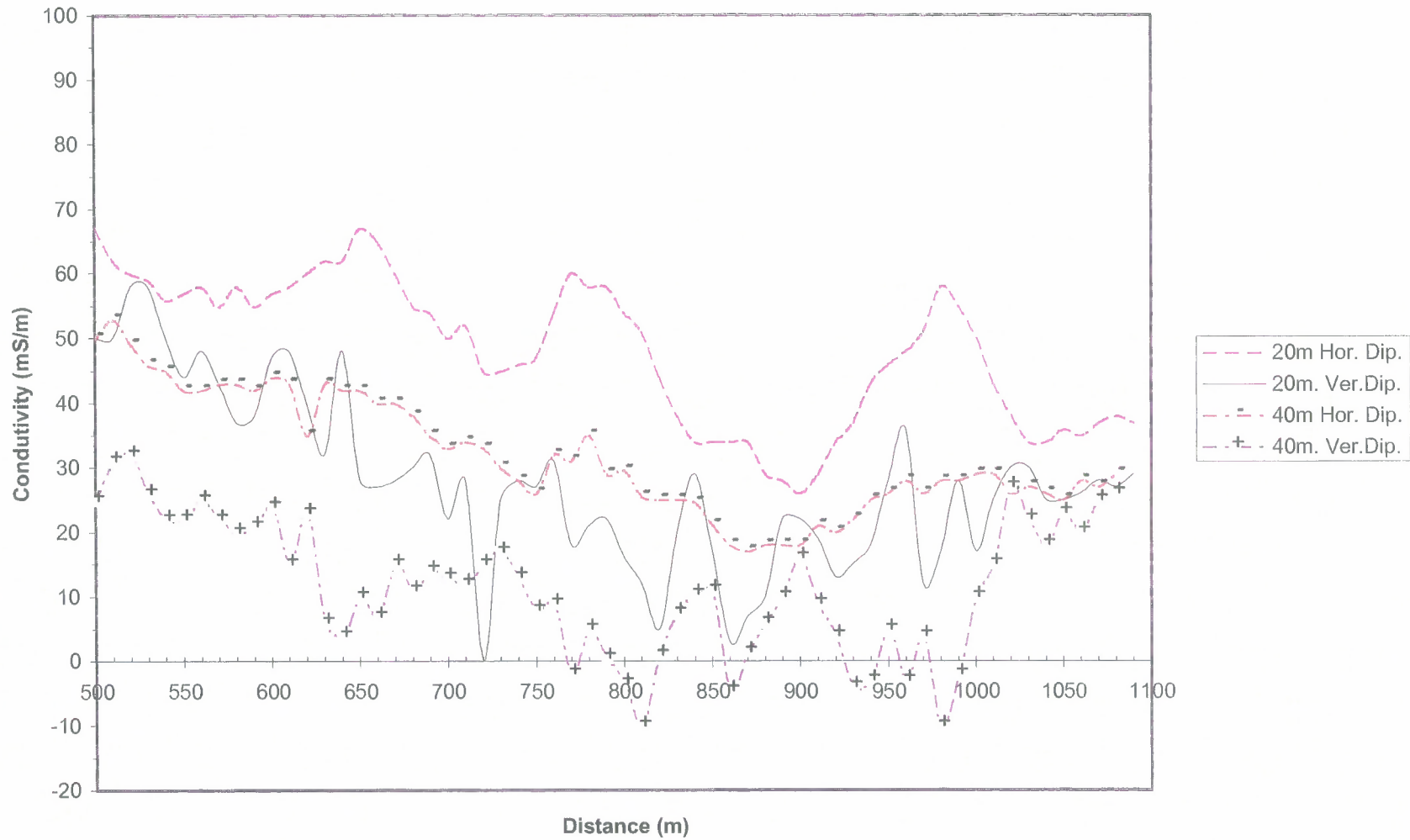


Chart5

Van der Bijlpark Line 3 (500-1100)



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Chart4

Van der Bijlpark Line 4 (0-200)

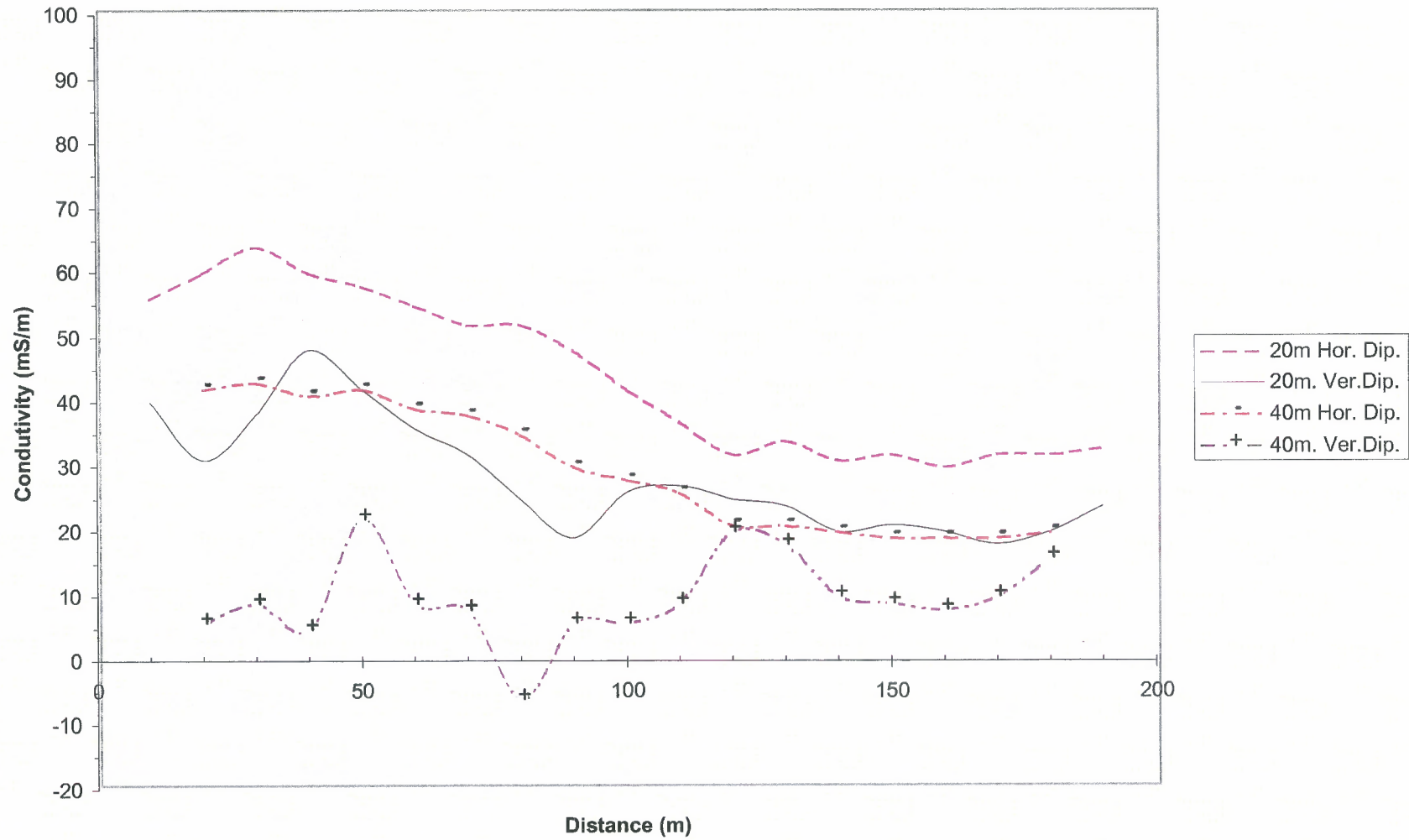


Chart4

Van der Bijlpark Line 5 (0-500)

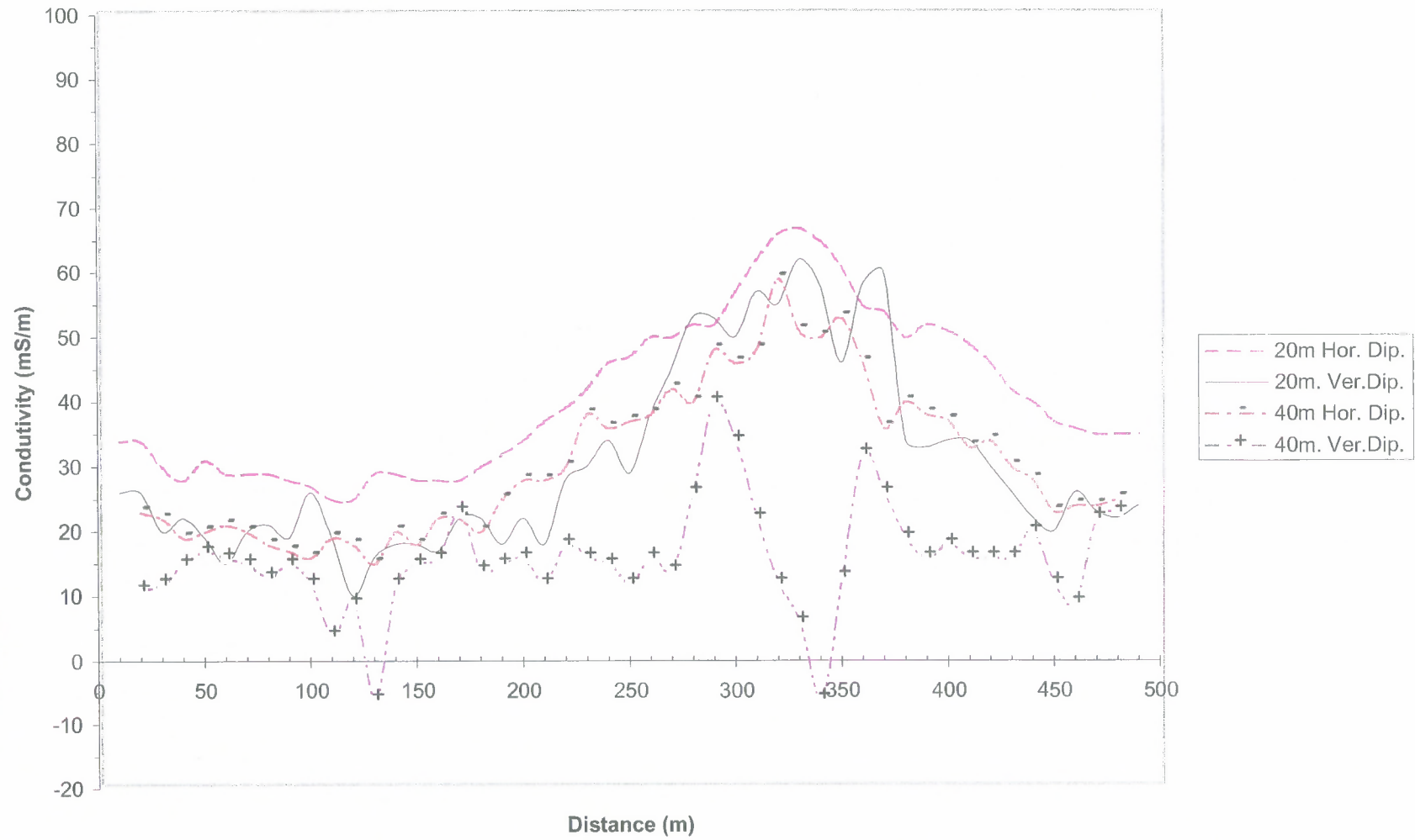
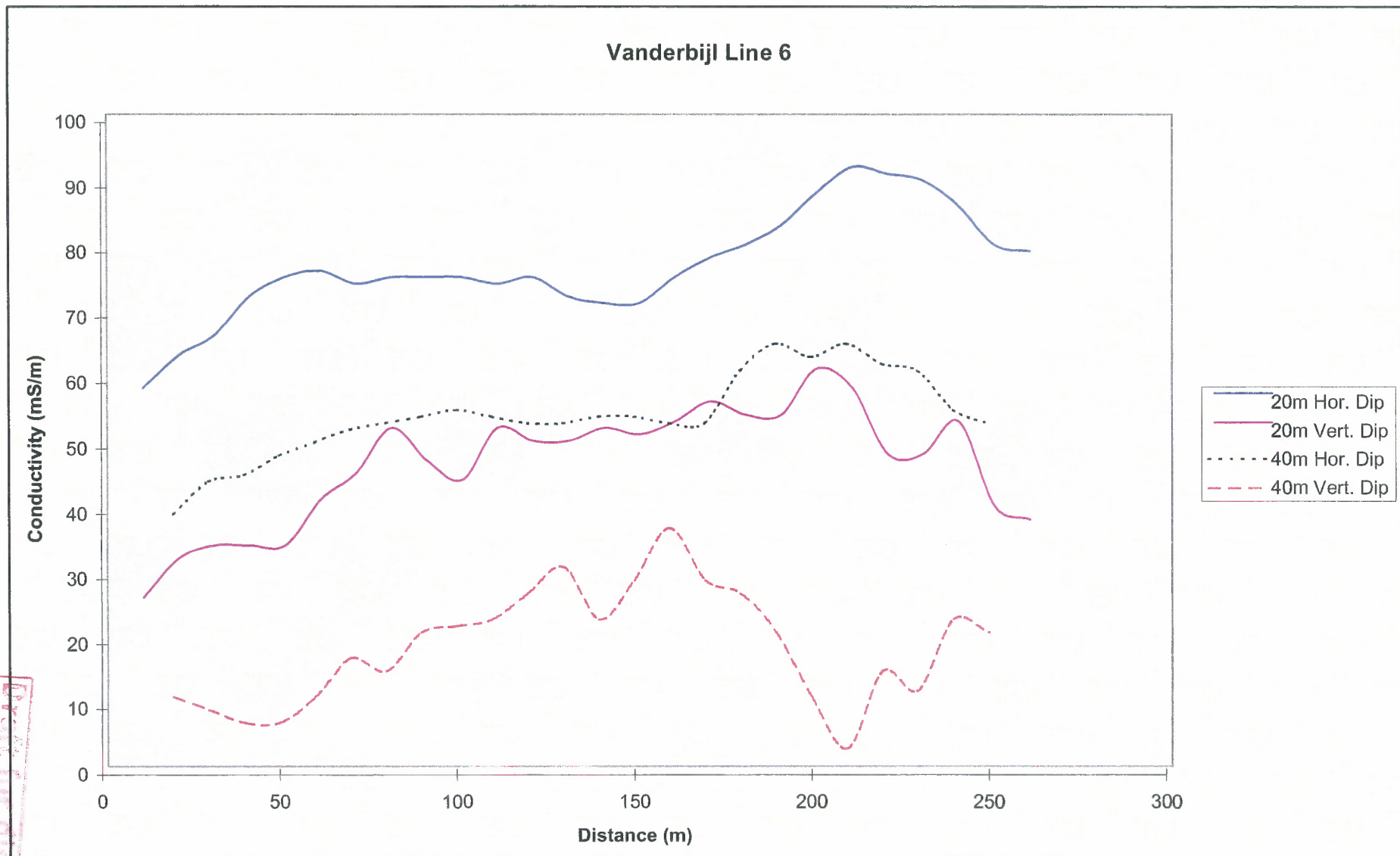
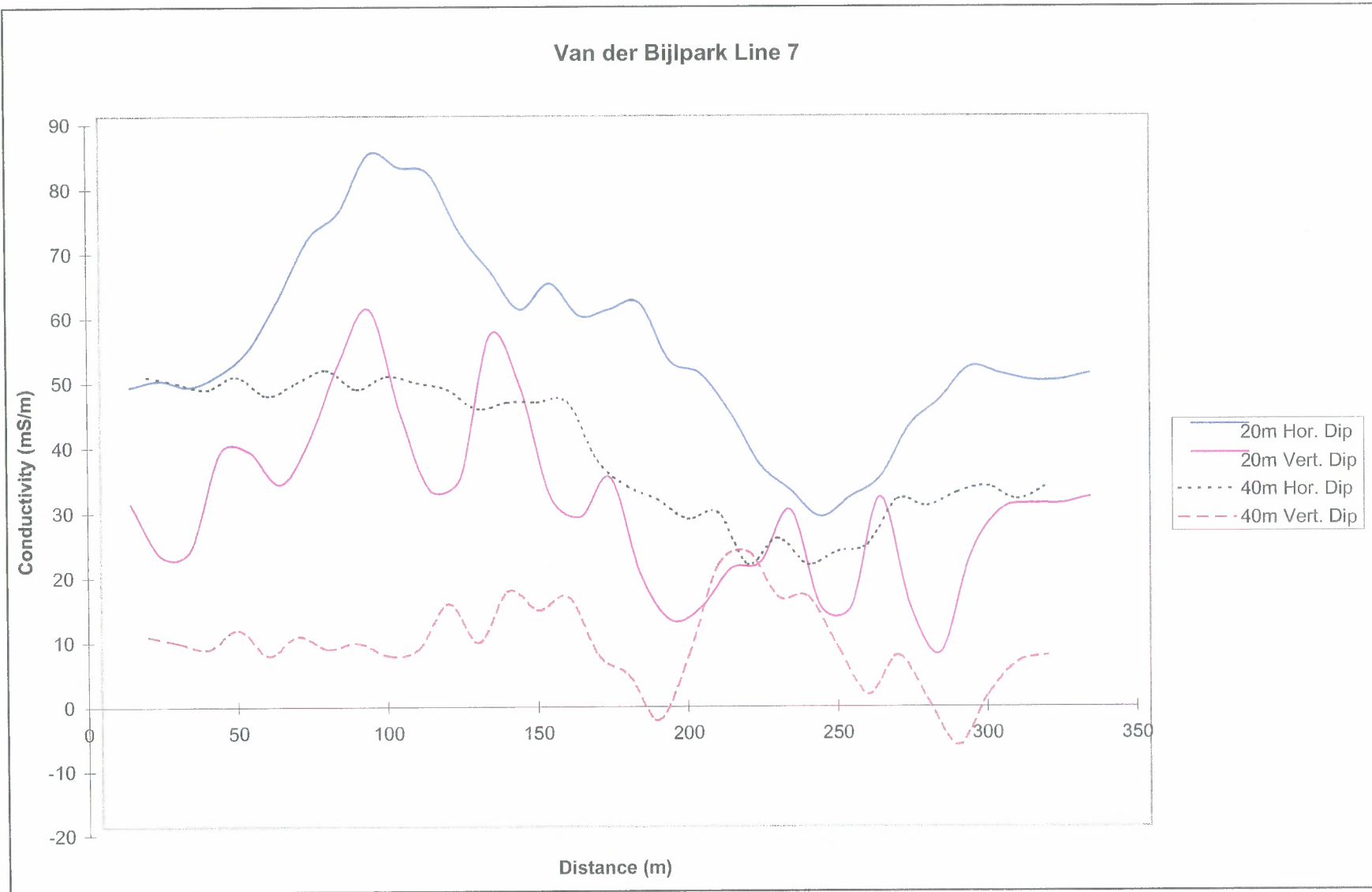


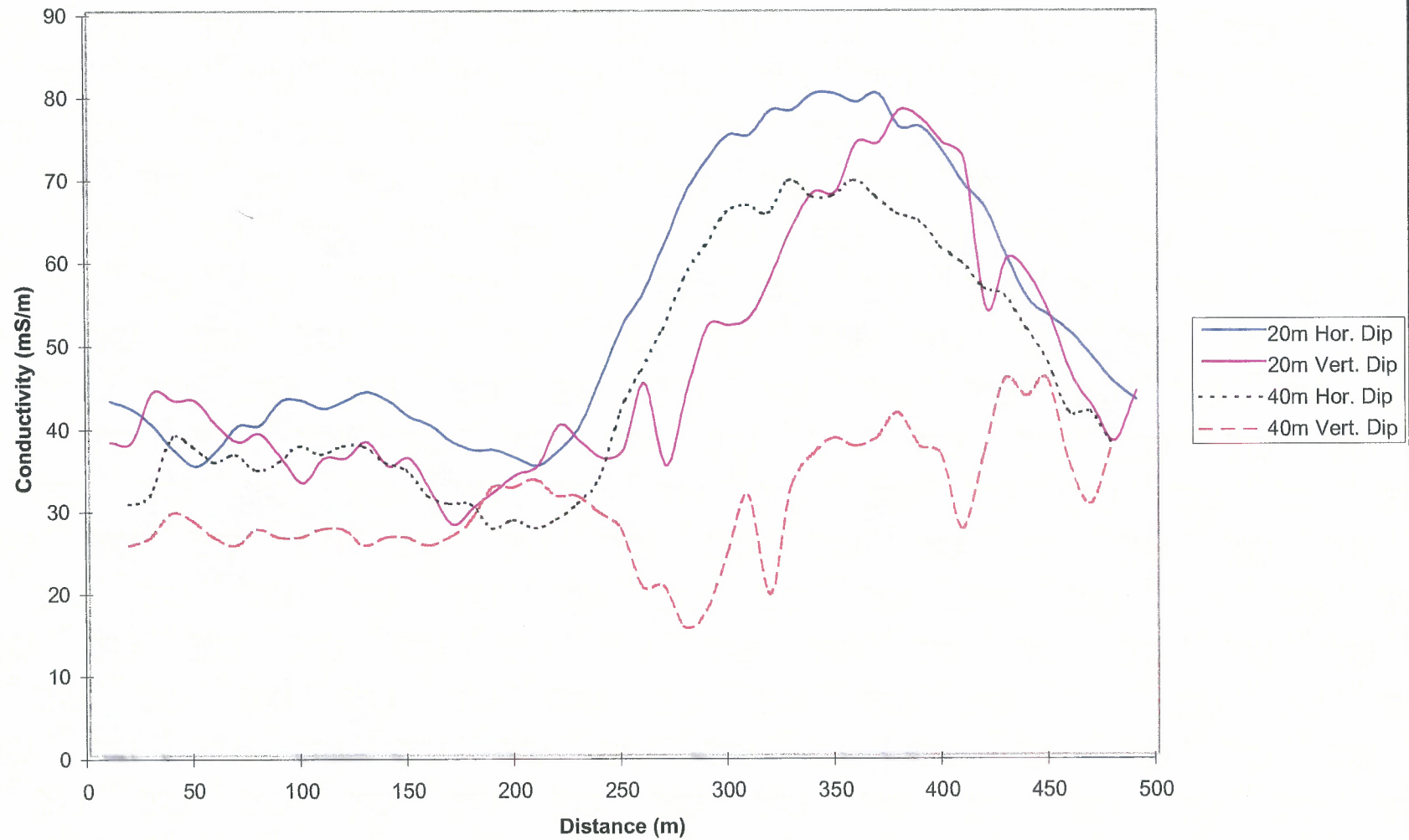
Chart4





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 Copy for
 Preparation for I/S
SATA
 ARCHIVE FOR JUSTICE

Van der Bijlpark Line 8



Vanderbijl Line 6

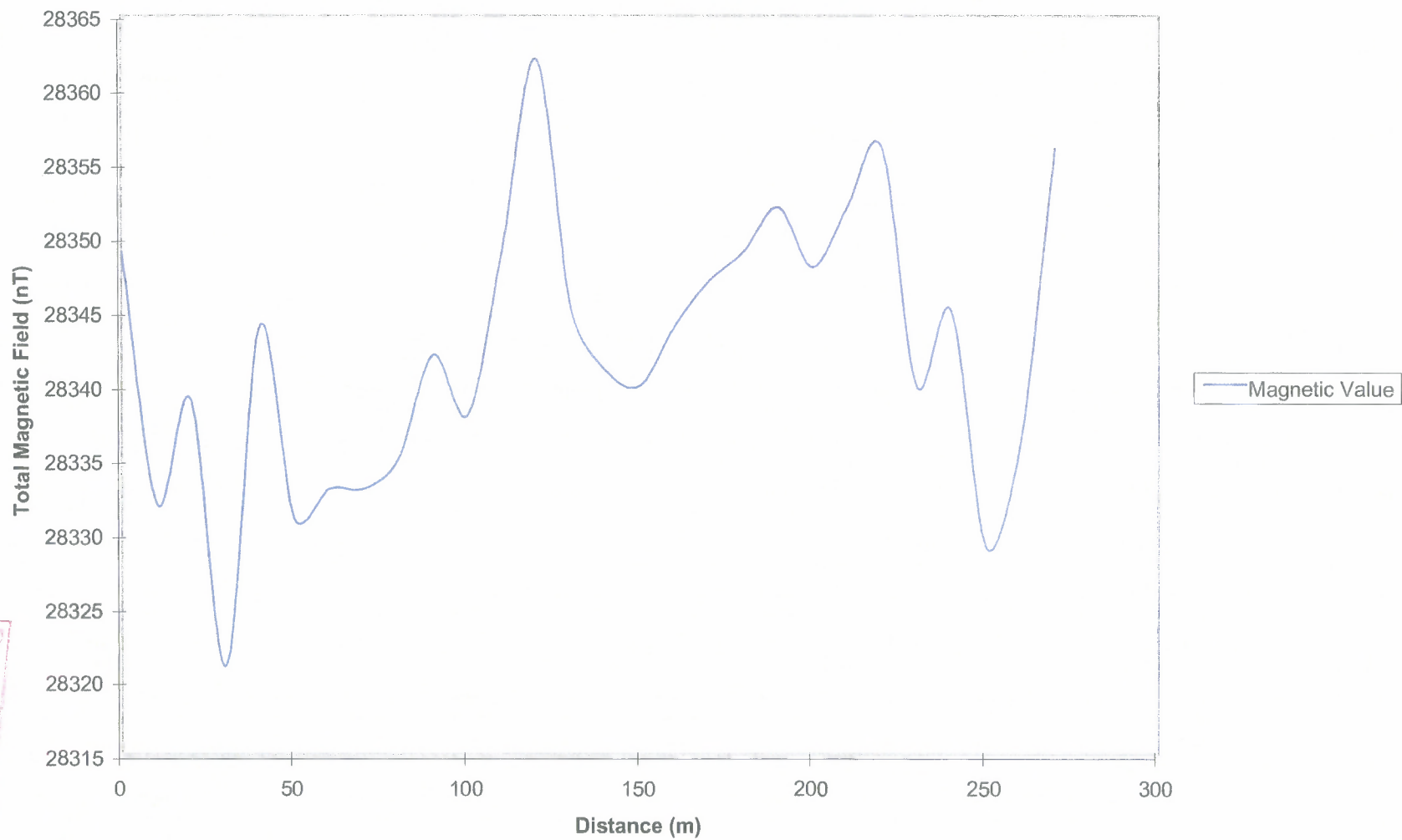
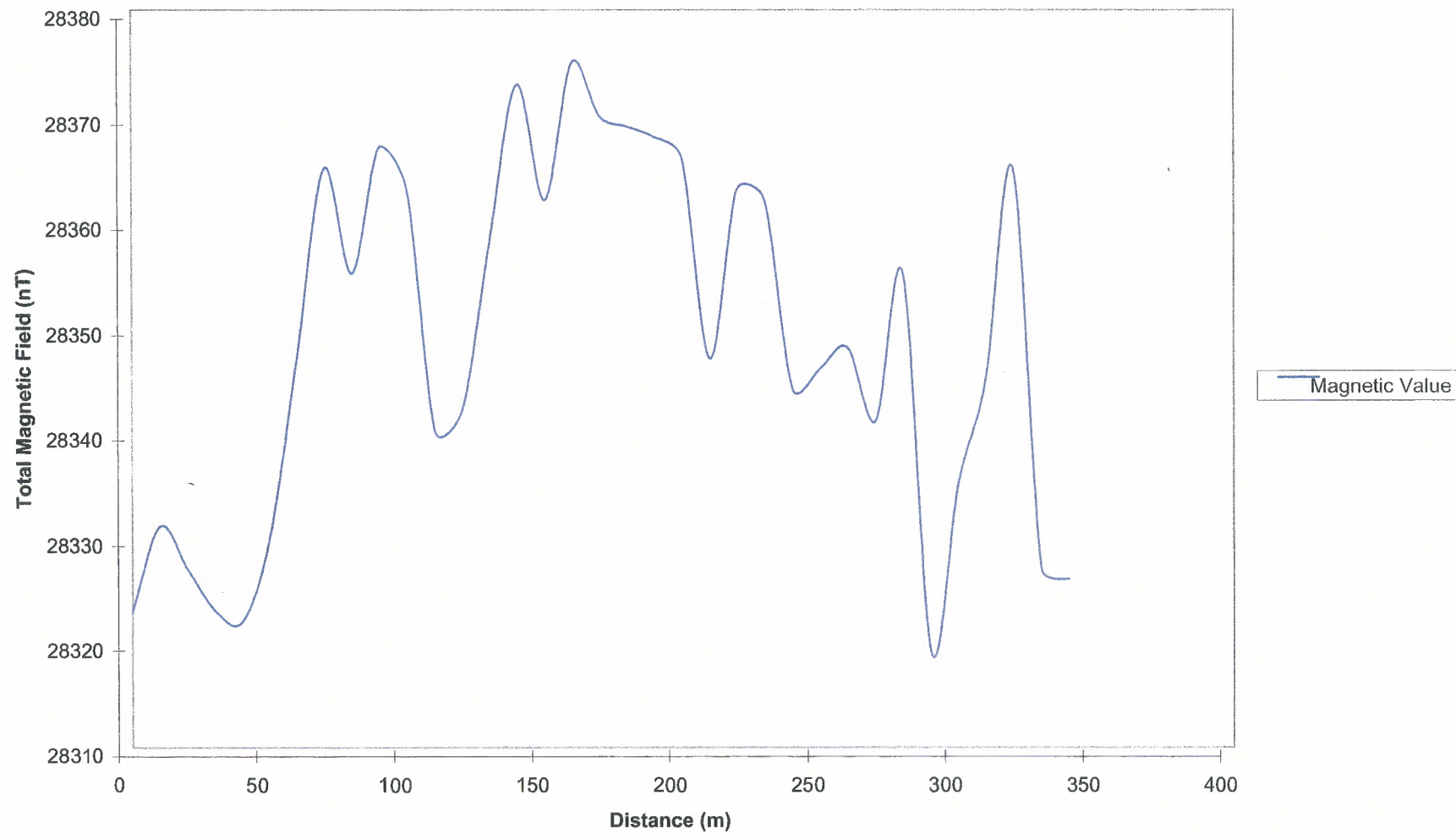


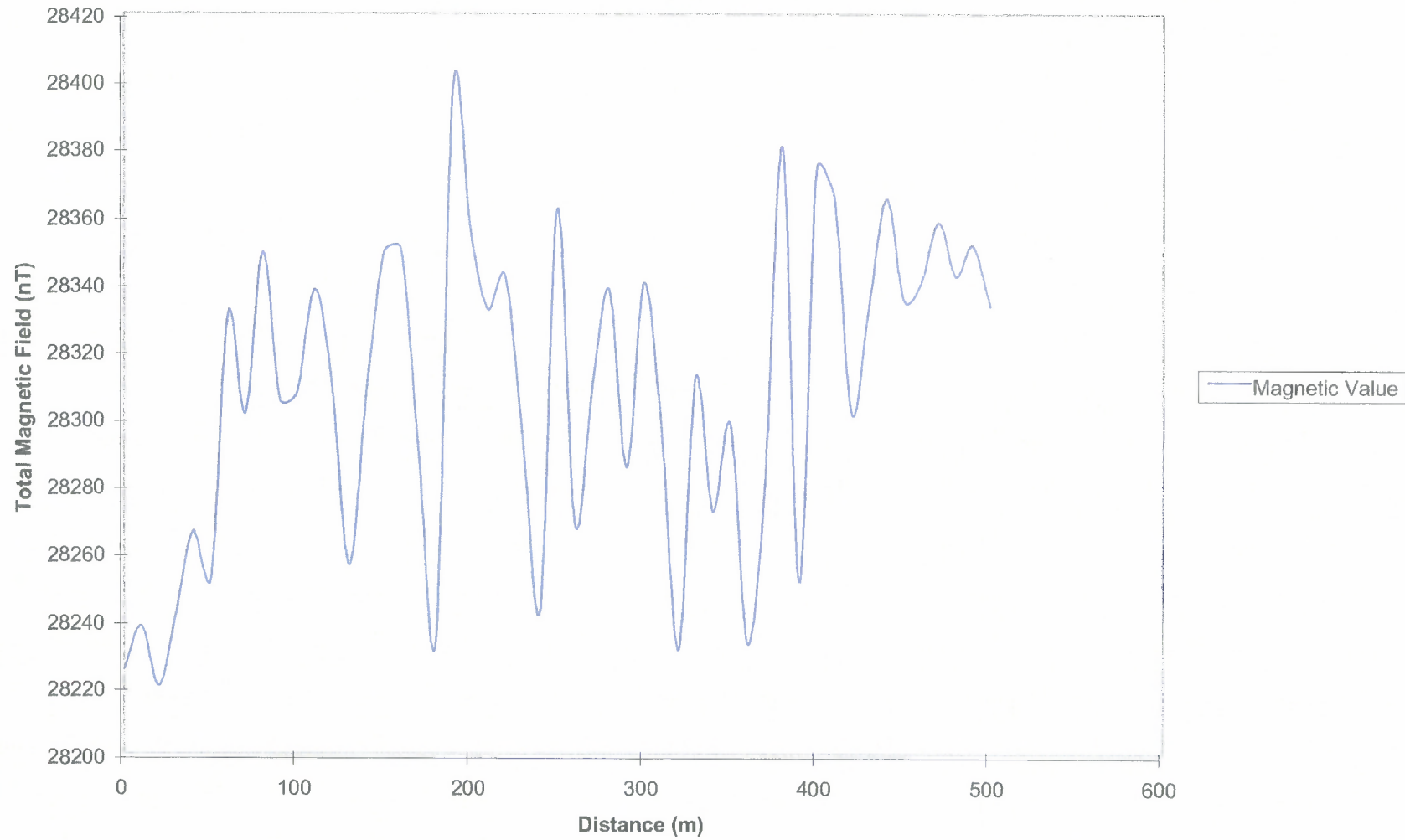
Chart3

**Van der Bijlpark Line 7
N - S**



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Research for IVS

Van der Bijlpark Line 8
E - W

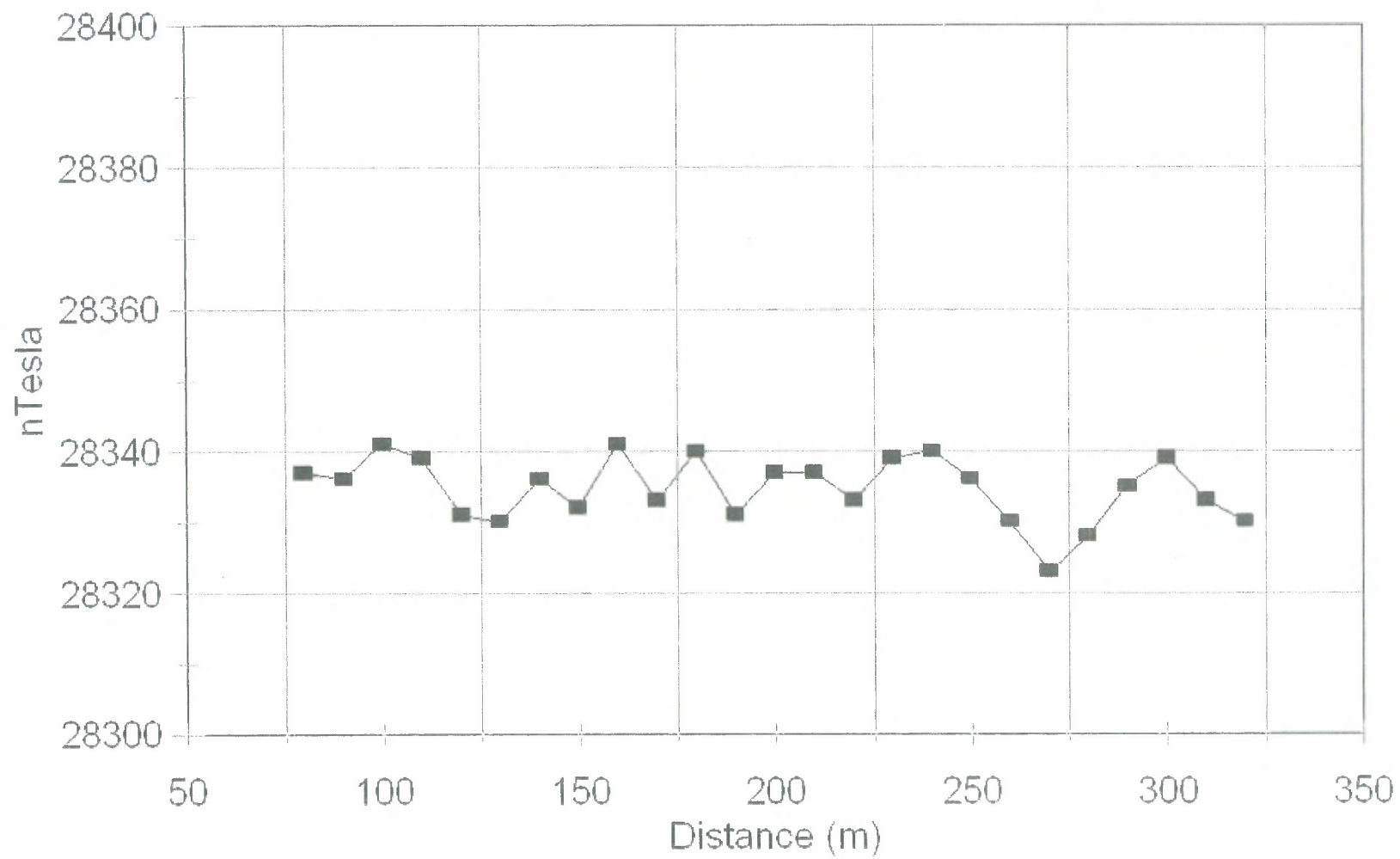


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Research for IWS

DATA SET III-2

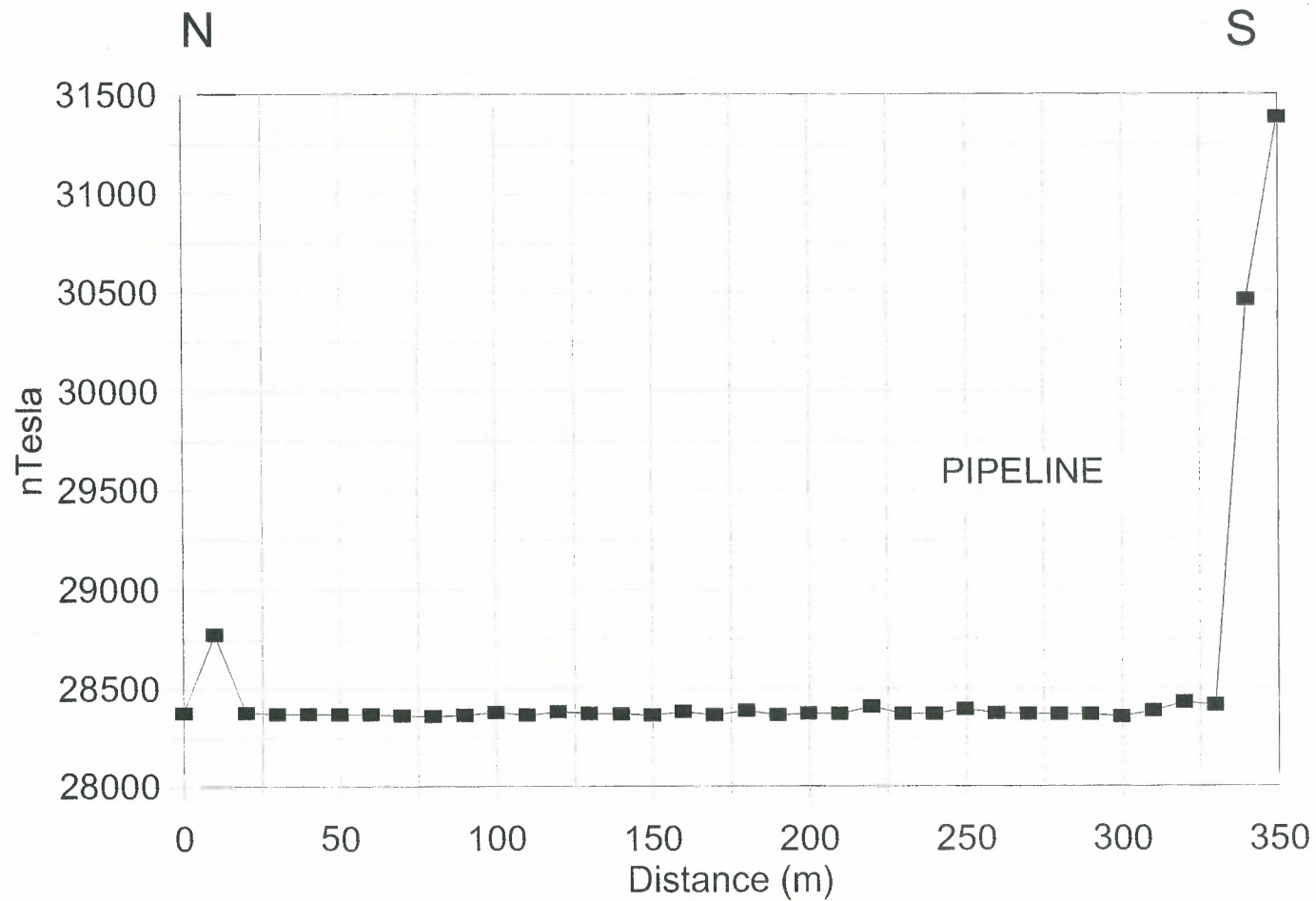
Magnetic profiles.

Magnetic Traverse Line M1

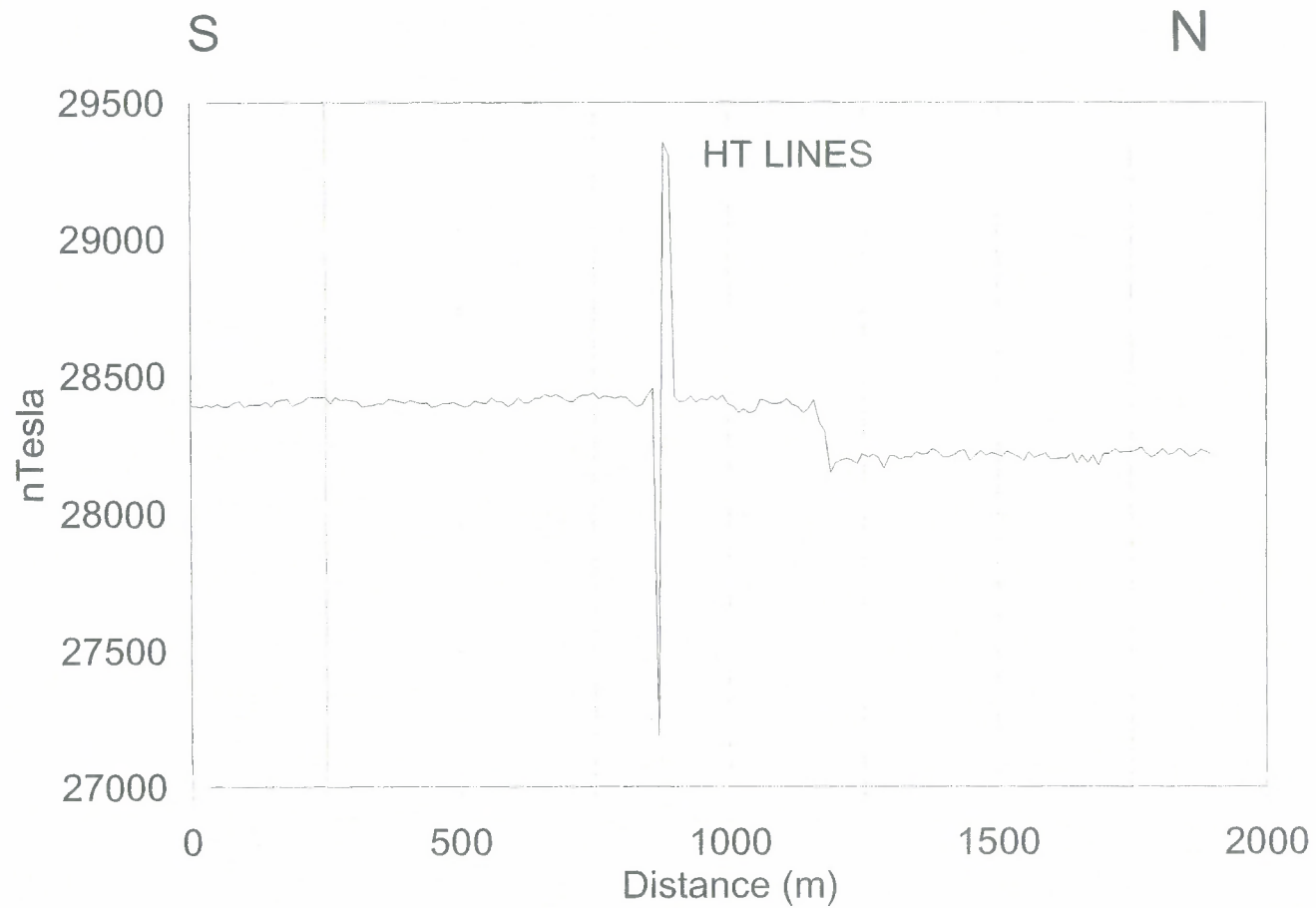


Draft for discussion
CONFIDENTIAL
Research for I/S

Magnetic Traverse Line M2

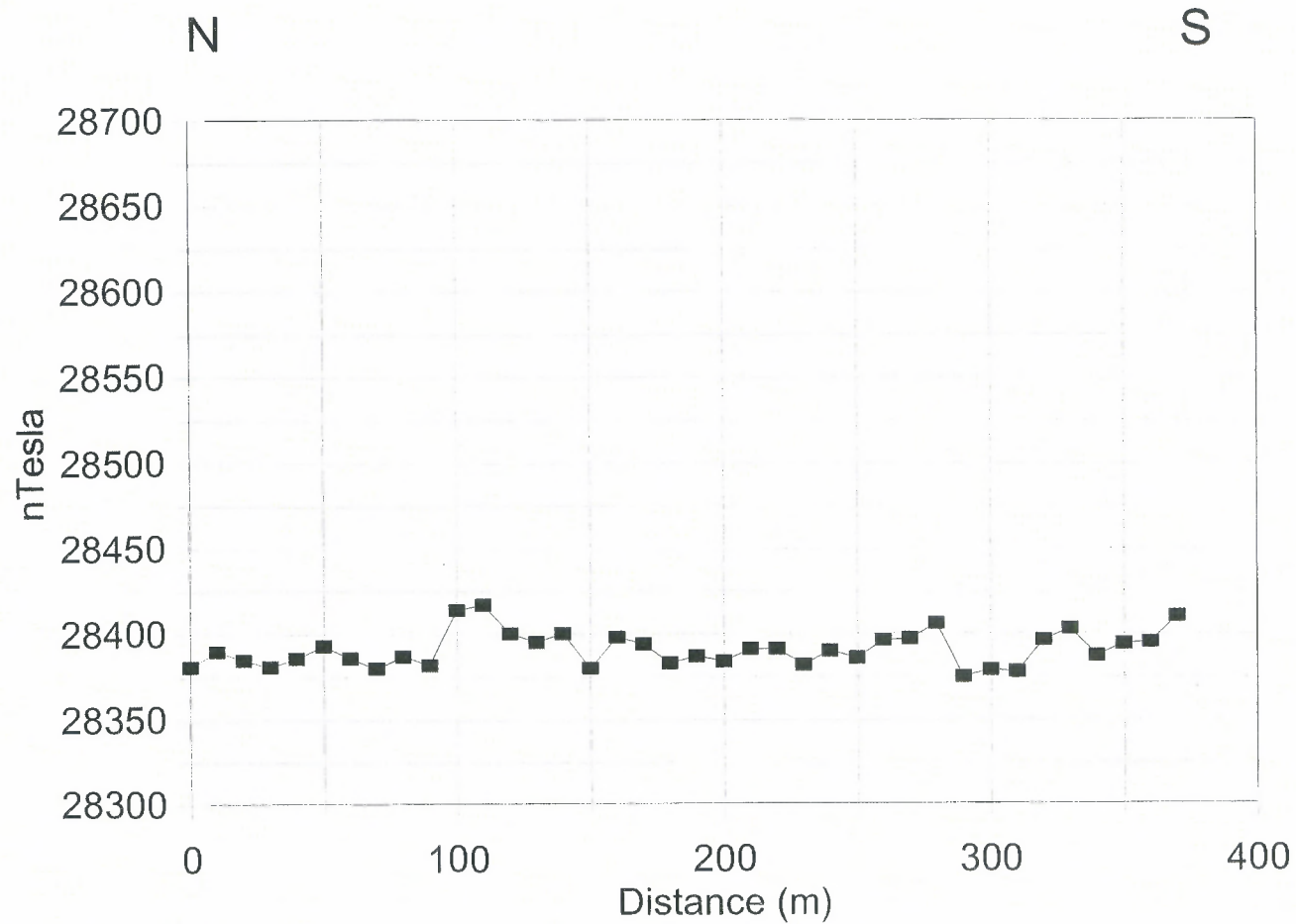


Magnetic Traverse Line M4



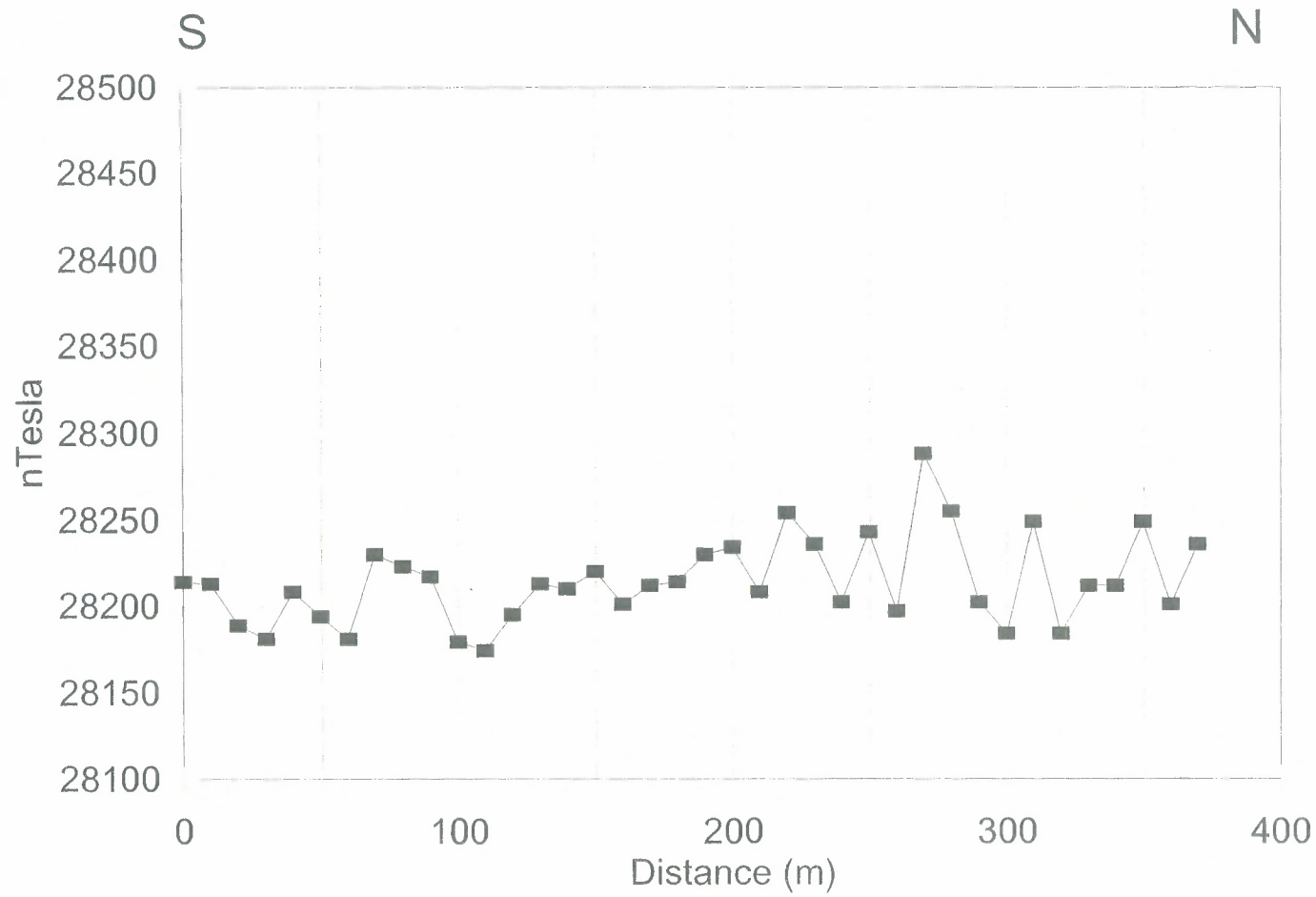
Draft for discussion
COMPLIANT
Research for IVS

Magnetic Traverse Line M5



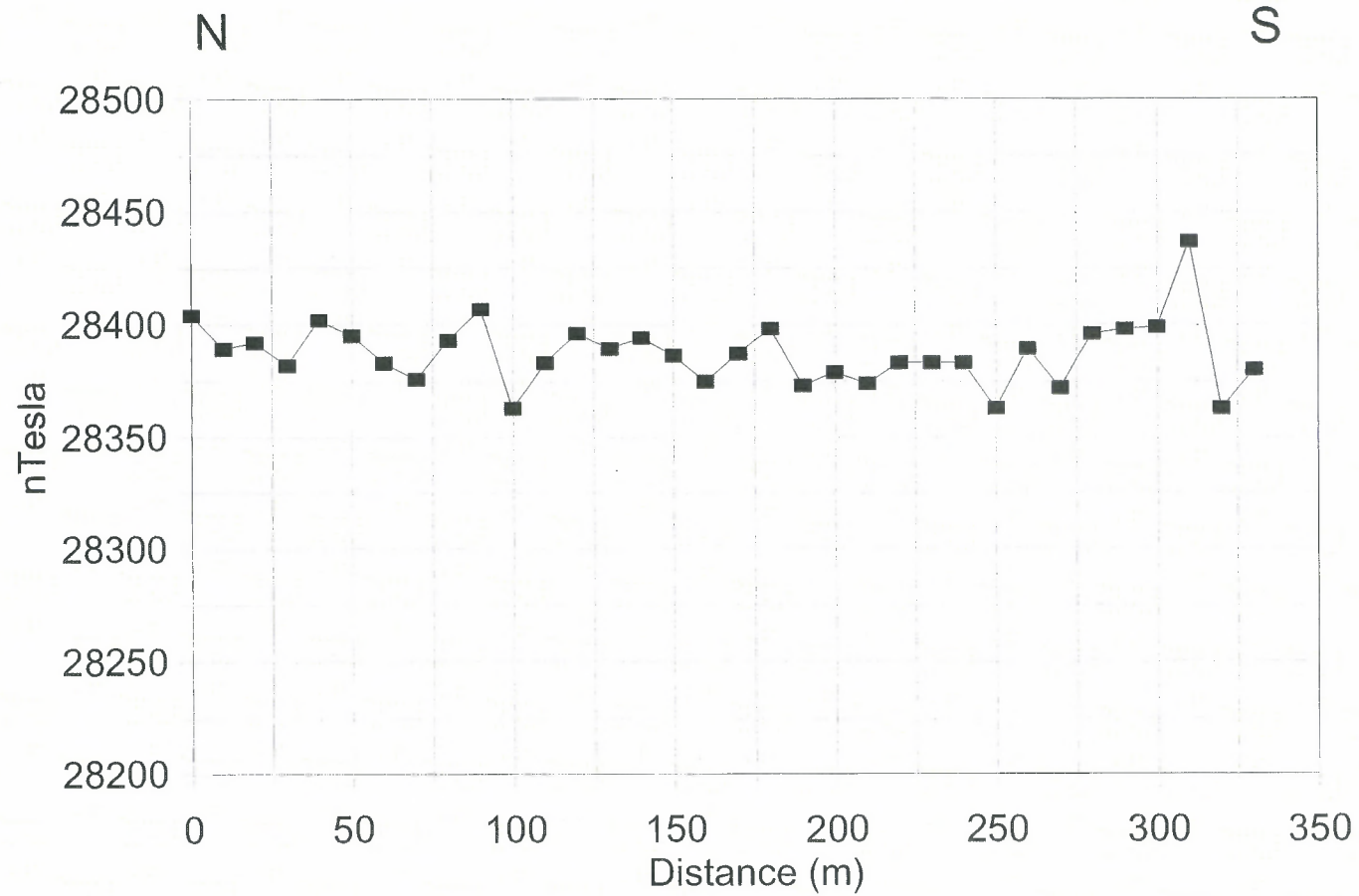
Draft for discussion
CONFIDENTIAL
Research for IYS

Magnetic Traverse Line M6



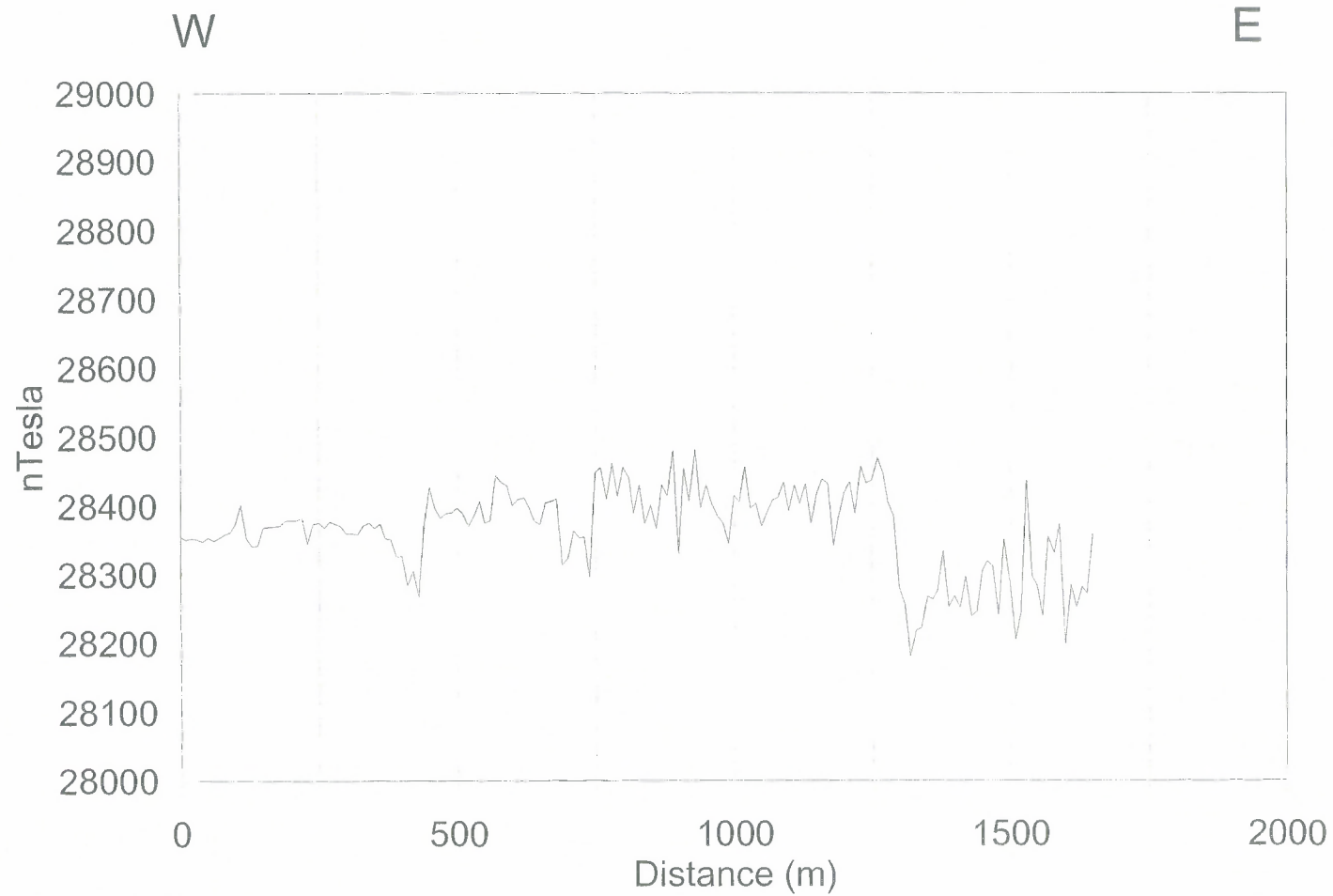
Draft for discussion
CCTV/AV/IT
Respects for I/S

Magnetic Traverse Line M7



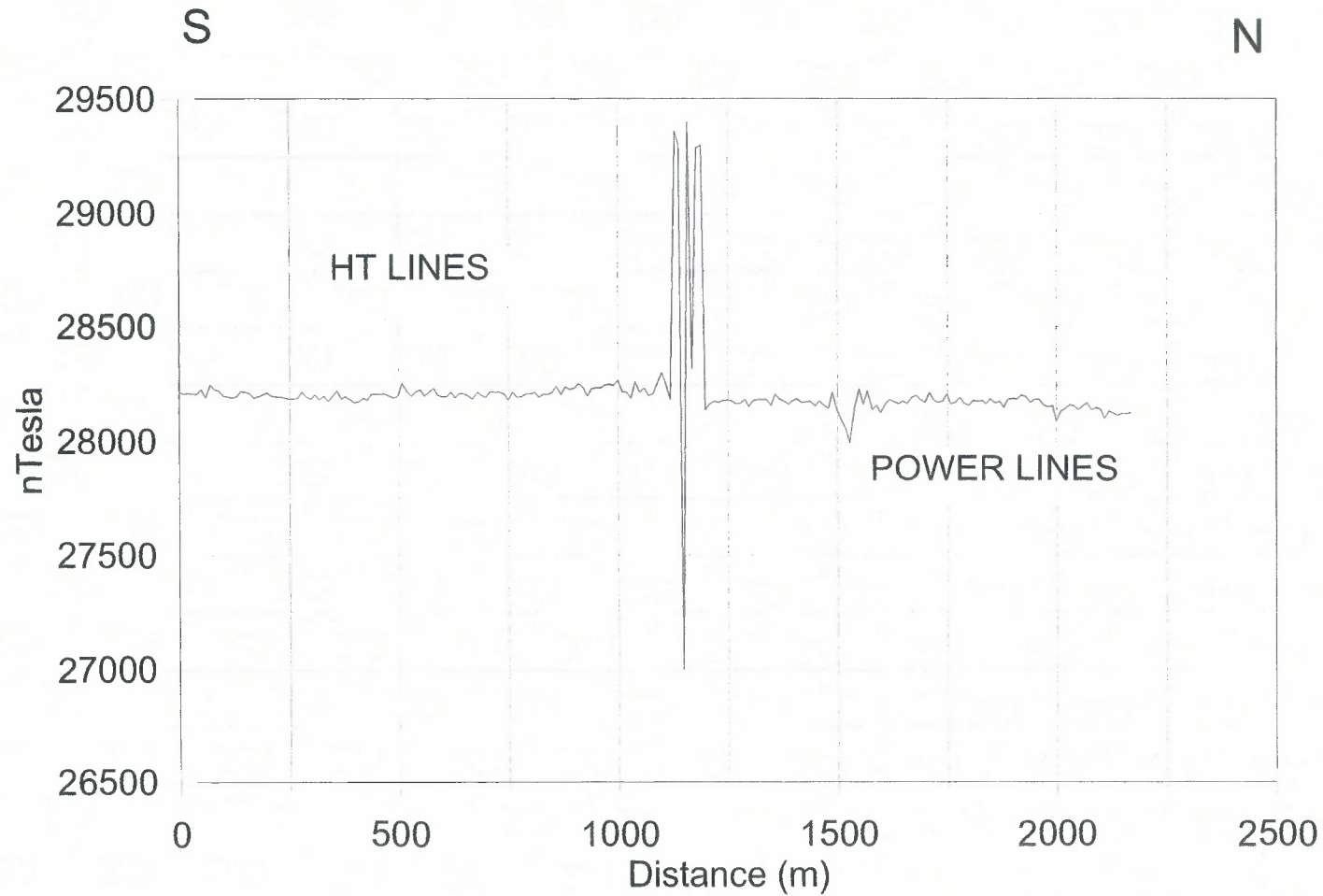
Draft for discussion
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Research for IVS

Magnetic Traverse Line M8



Draft for discussion
CONFIDENTIAL
Research for IYS

Magnetic Traverse Line M9



Draft for discussion
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Research for IVS