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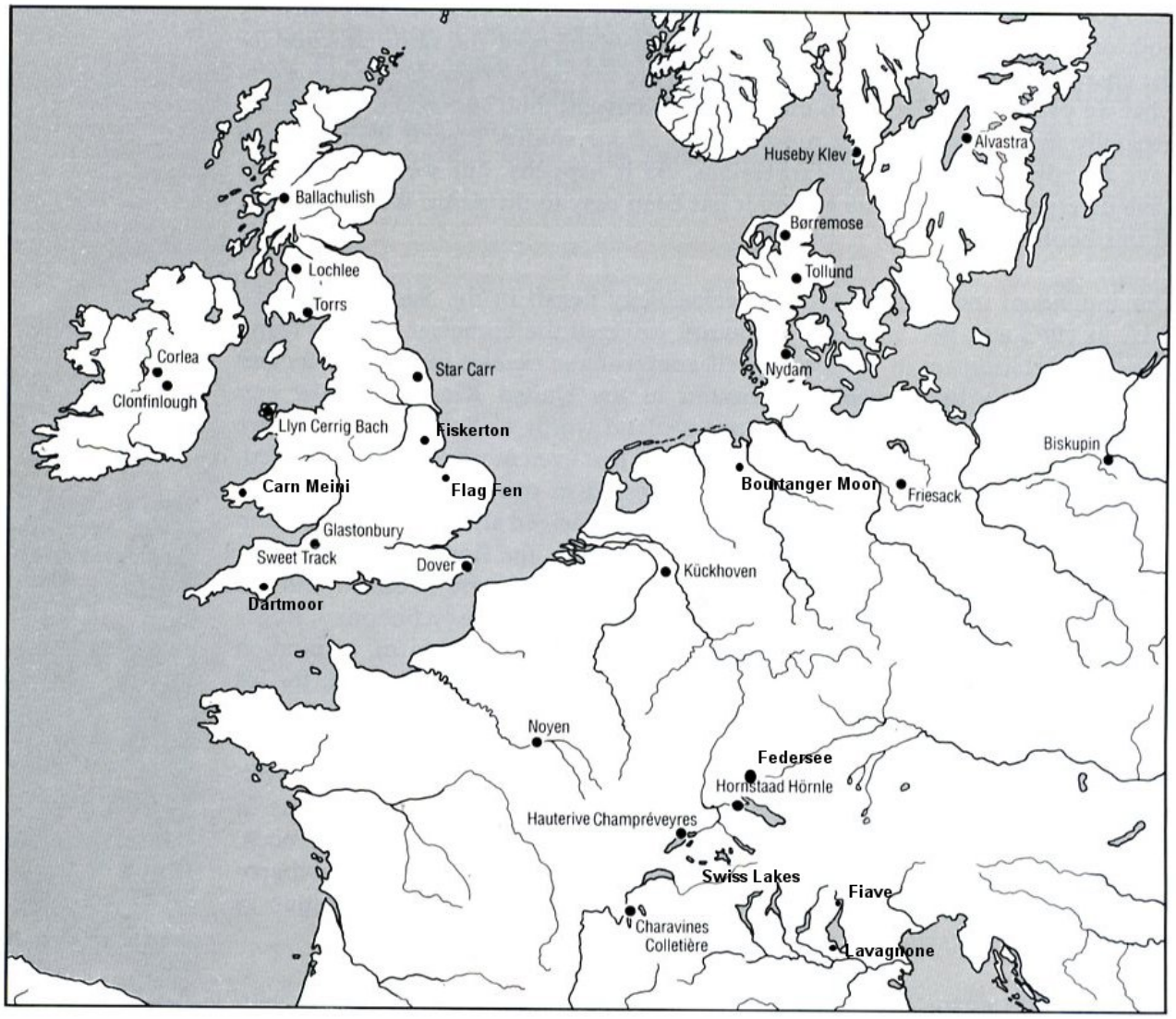


Figure 2.1: Key wetland sites mentioned in the text, from Coles & Coles (1996, figure 1), with additions.

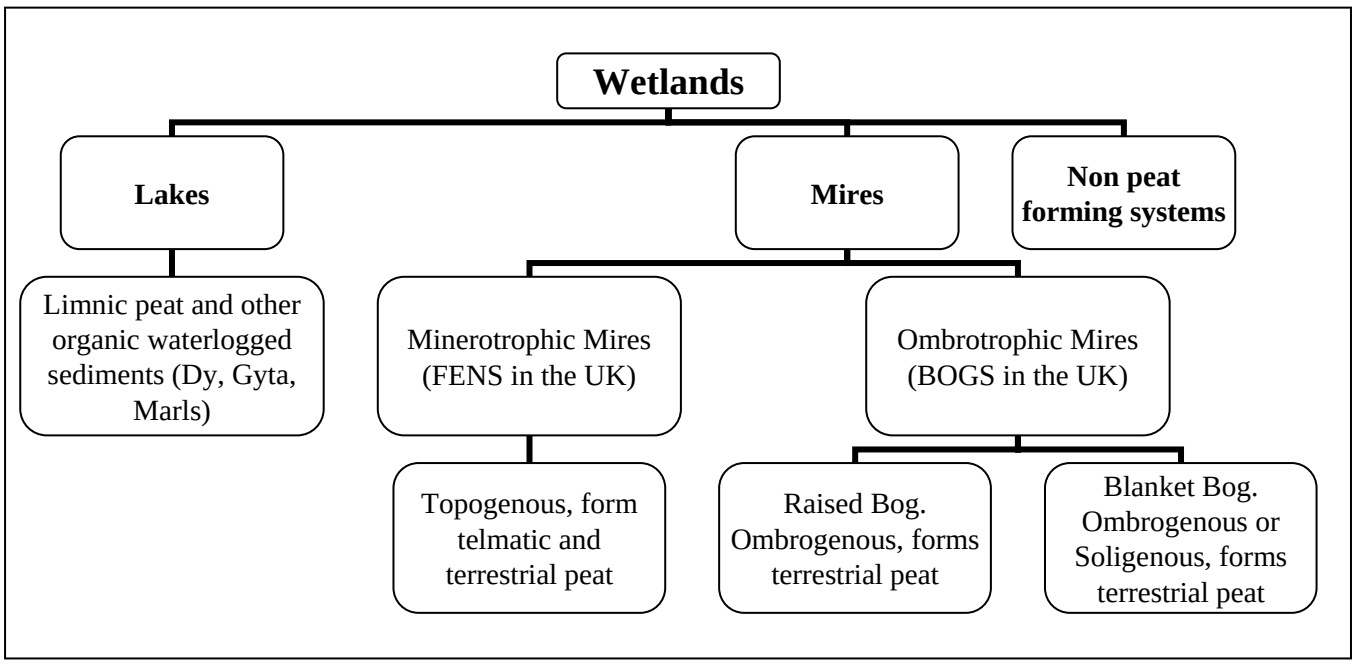


Figure 3.1: Wetland types, after Koster & Favier (2005, 162)

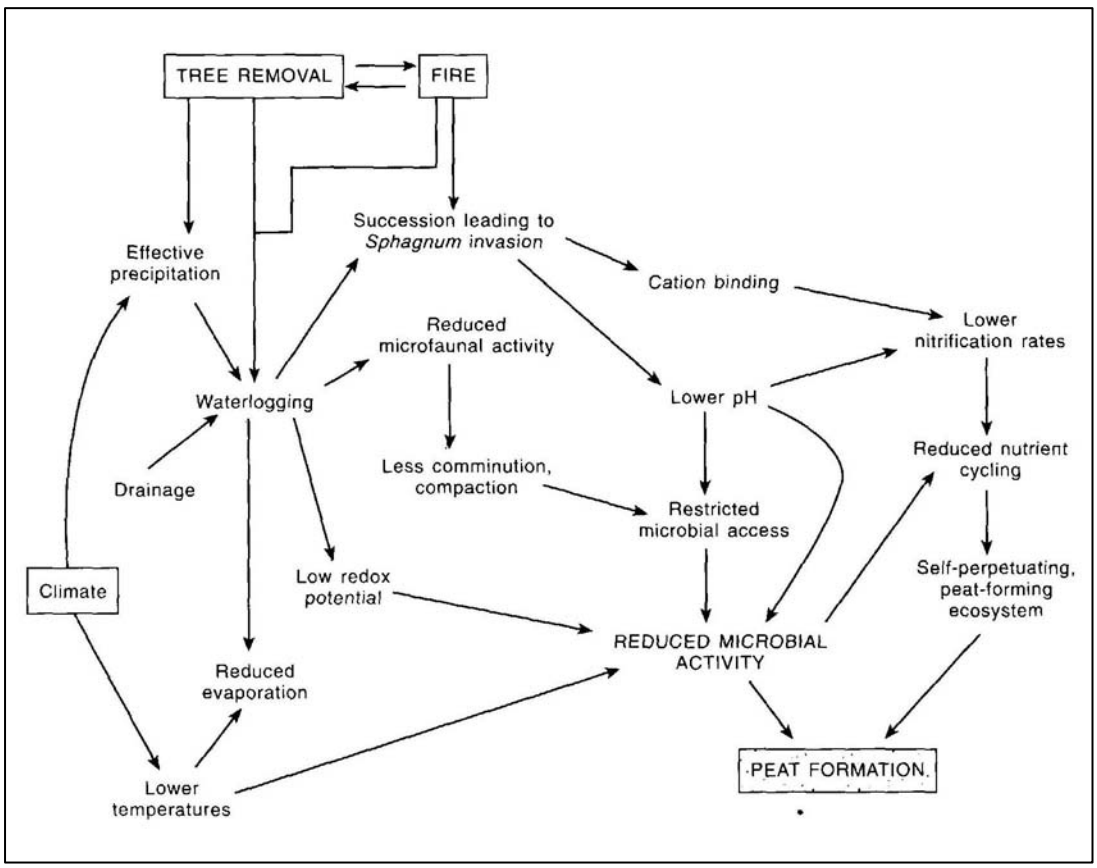


Figure 3.2: Upland peat onset drivers, reproduced from Simmons (1996, 116, figure 3.1)

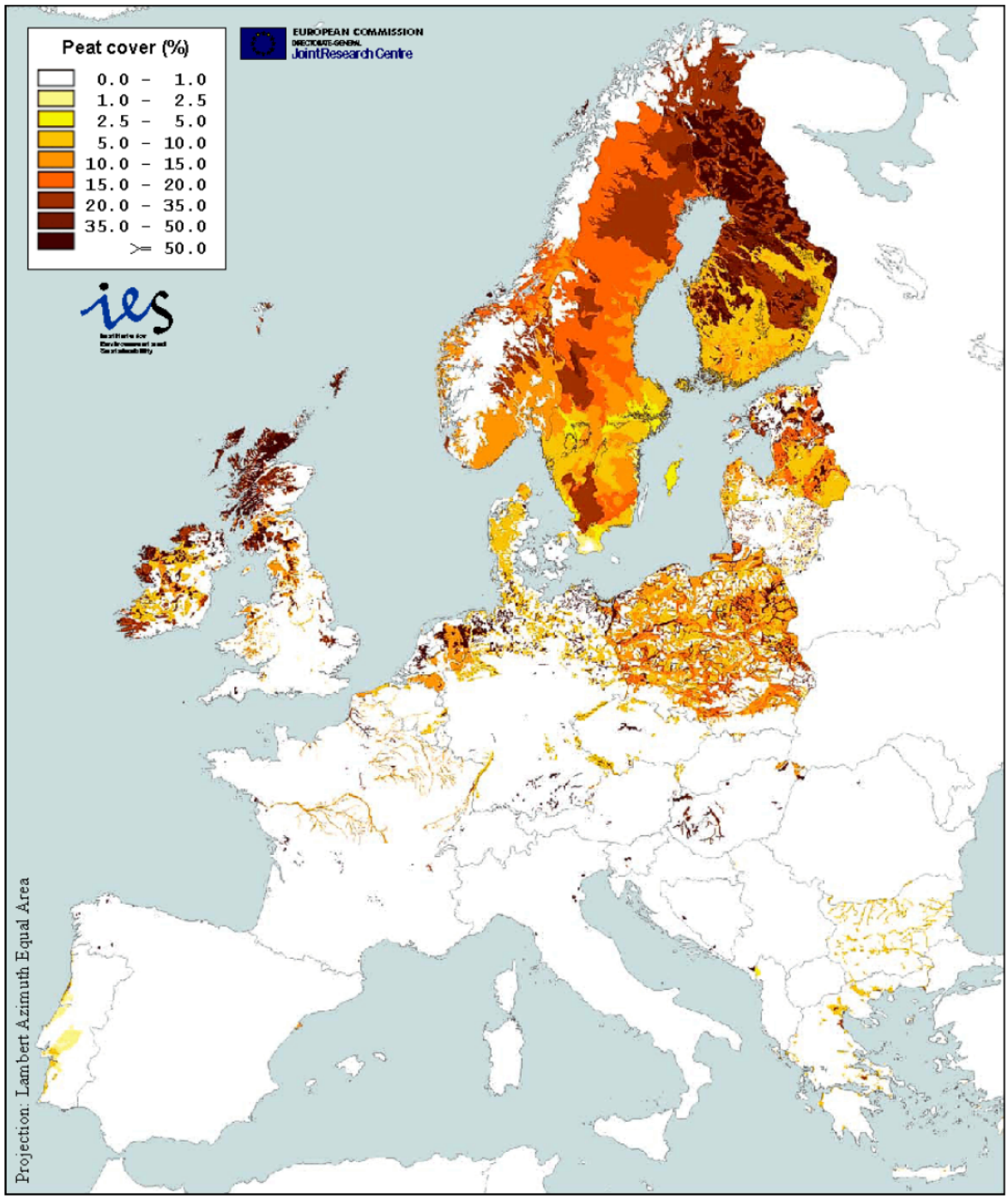


Figure 3.3: Relative cover of peat and peat-topped soils in the SMUs of the European Soil Database, from Montanarella *et al.* (2006), figure 2.

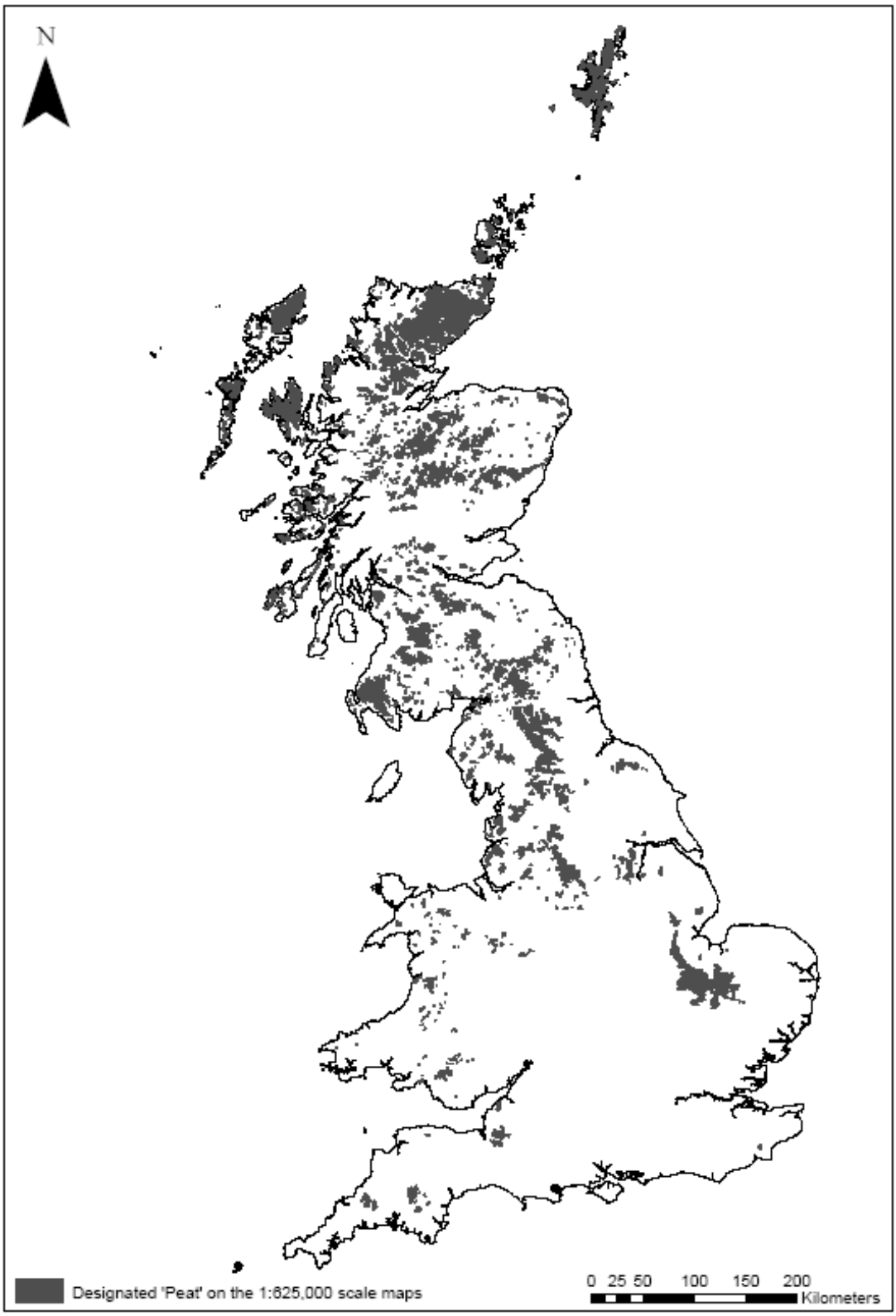


Figure 3.4: Peat distribution, Great Britain, from the BGS 1:625,000 scale drift geology map

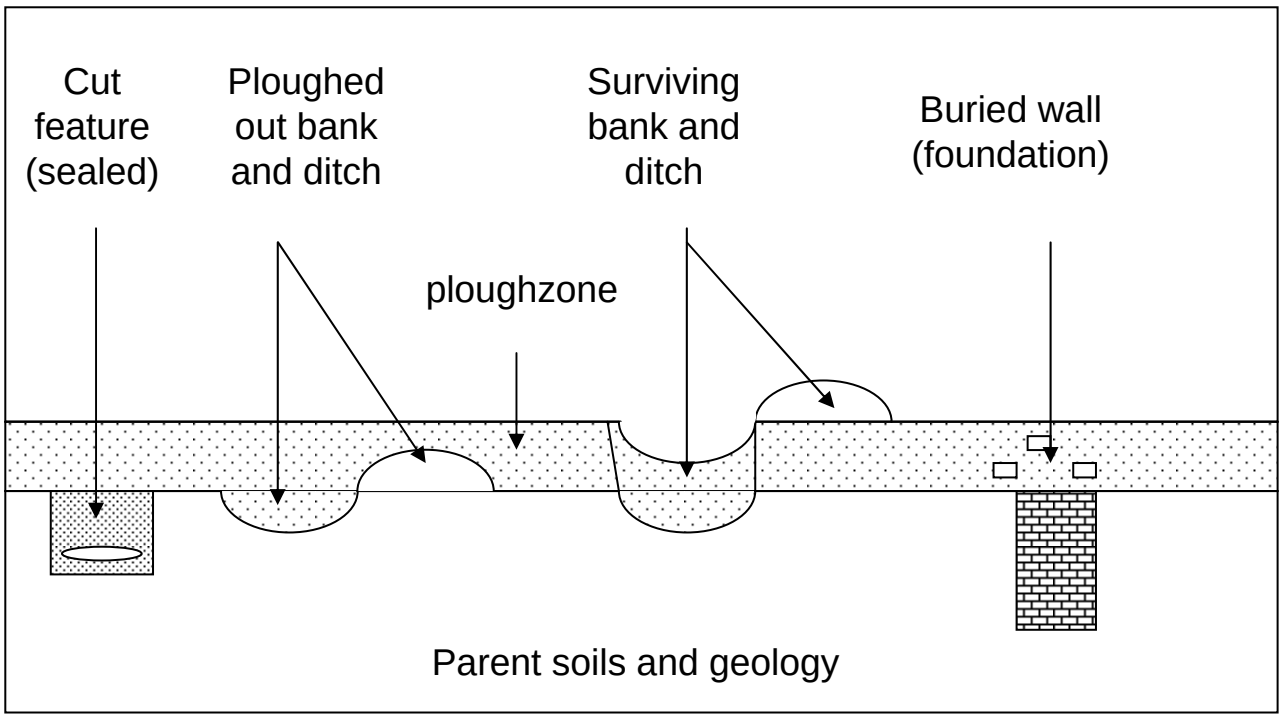


Figure 4.1:Conventional geophysical targets

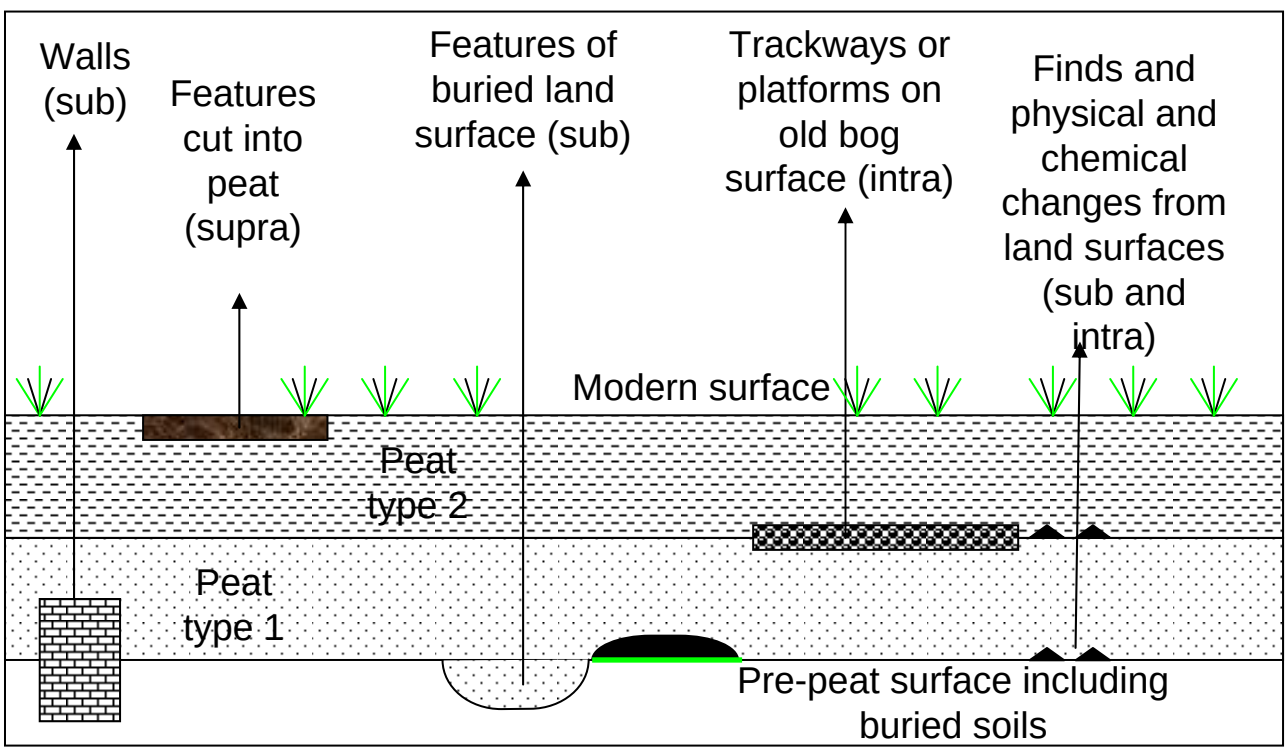


Figure 4.2: Deep peat geophysical targets

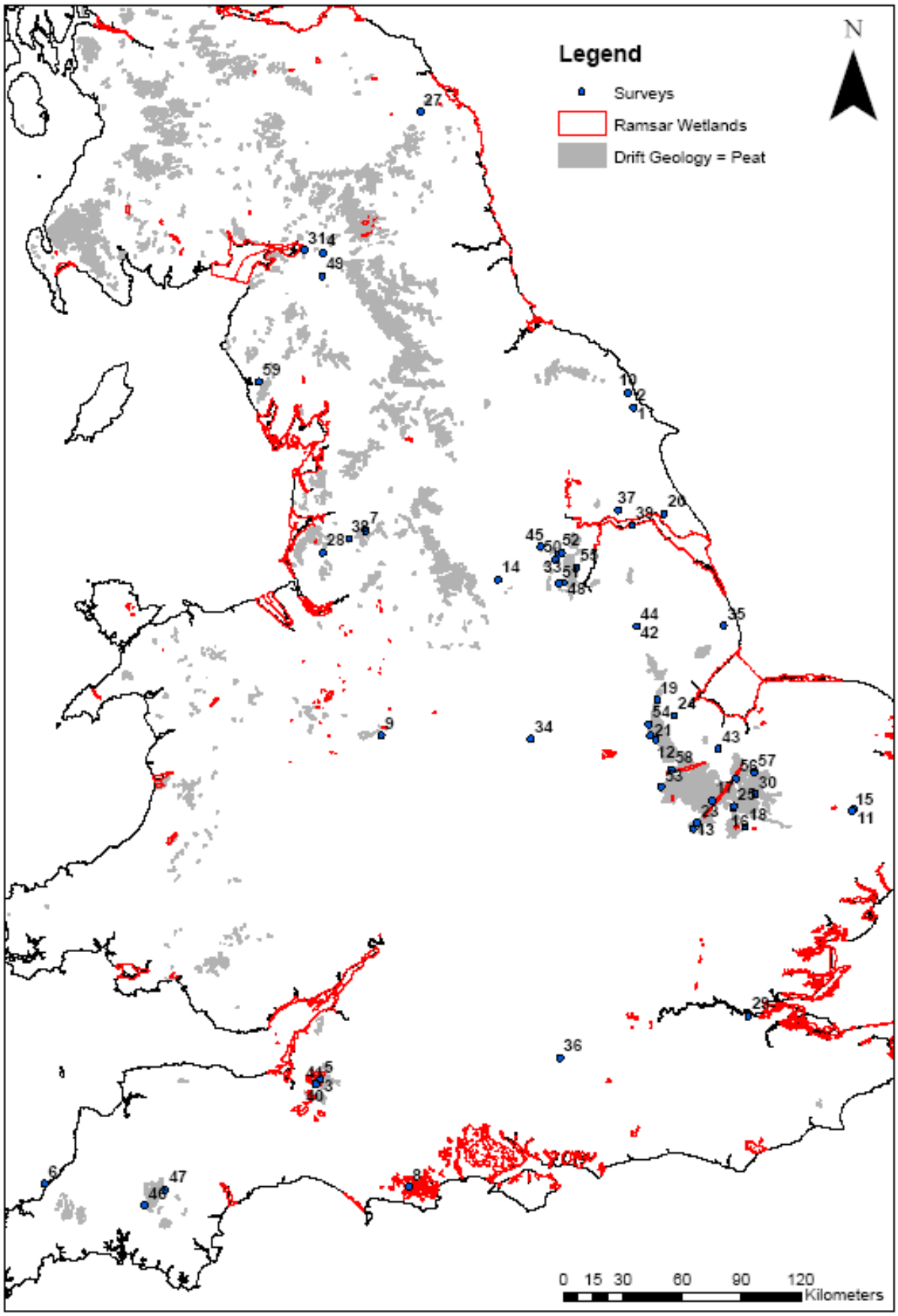
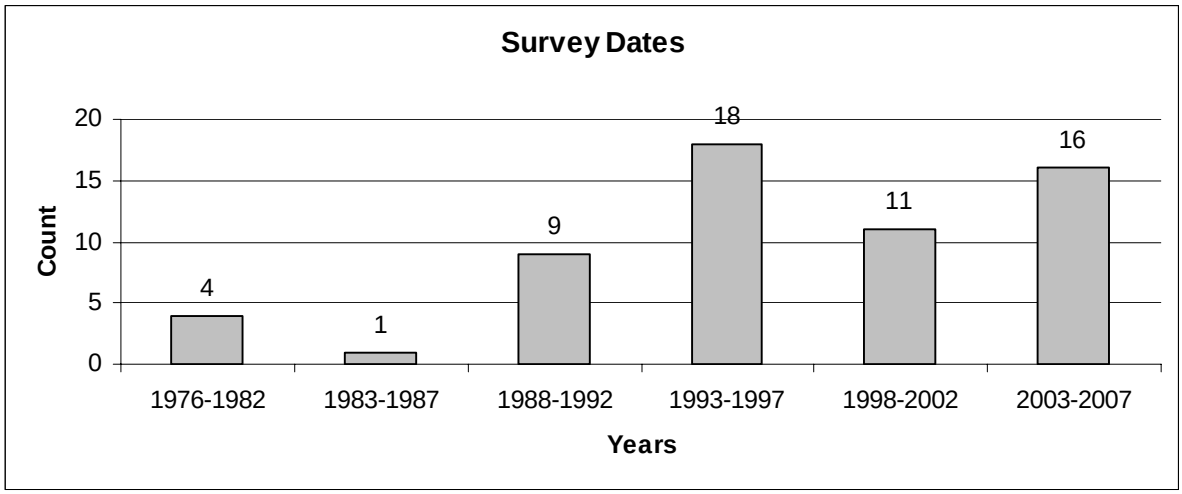
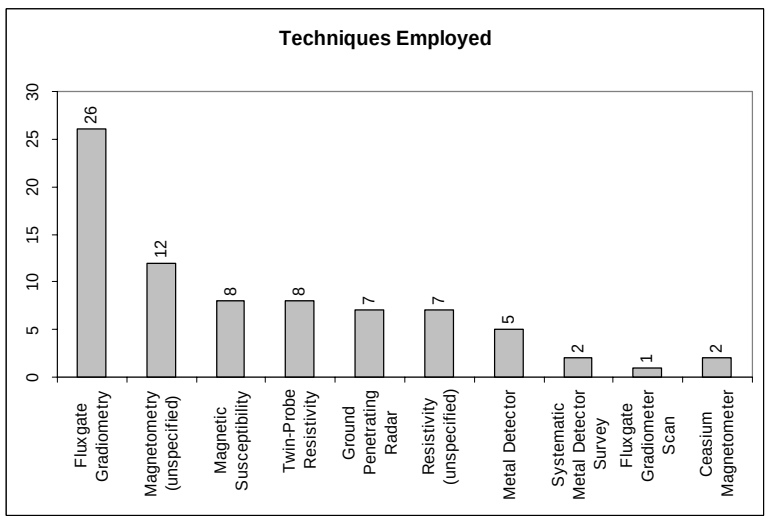


Figure 4.3: Location of sites in the Gazette





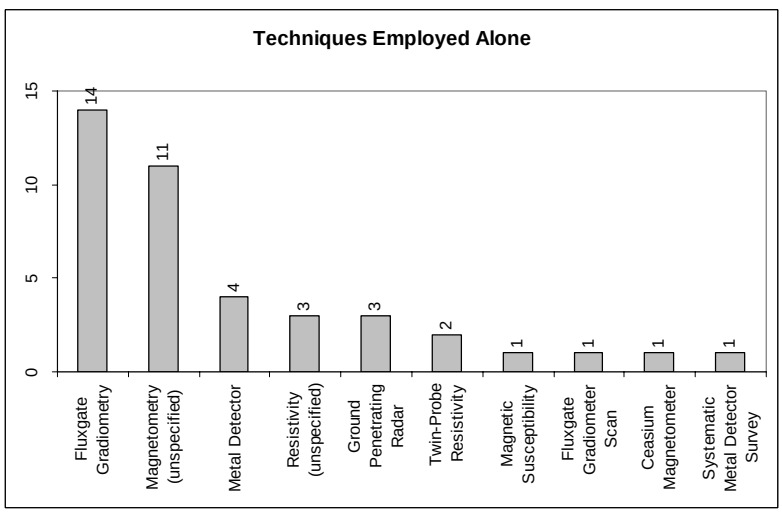


Figure 4.4: Summary of peat geophysical surveys in the UK, 1976-2007

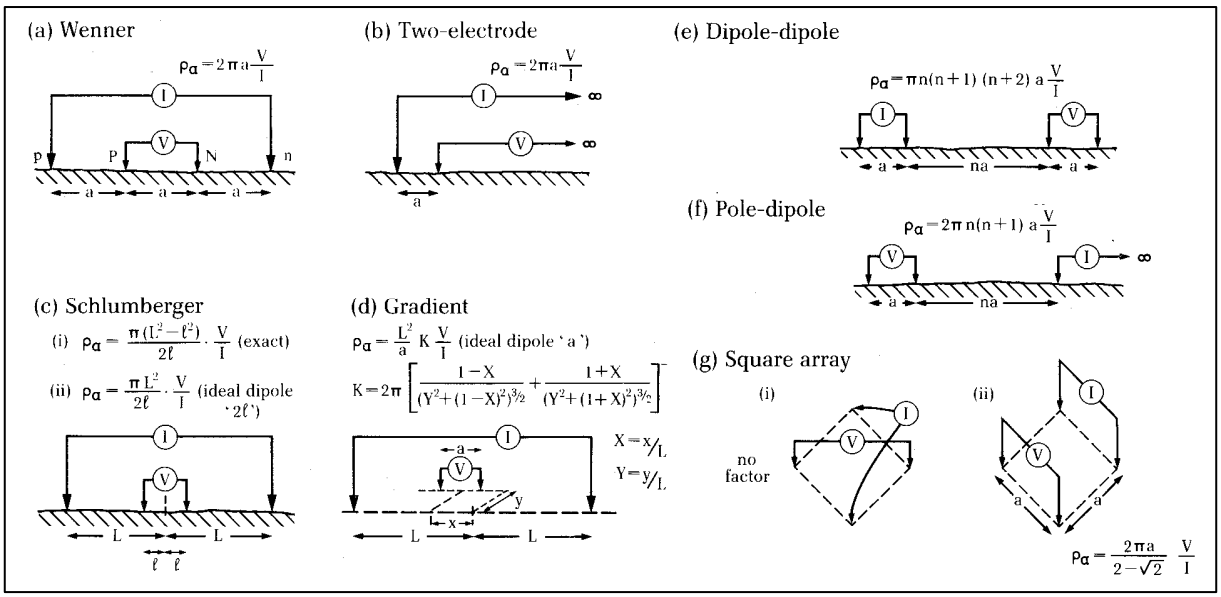
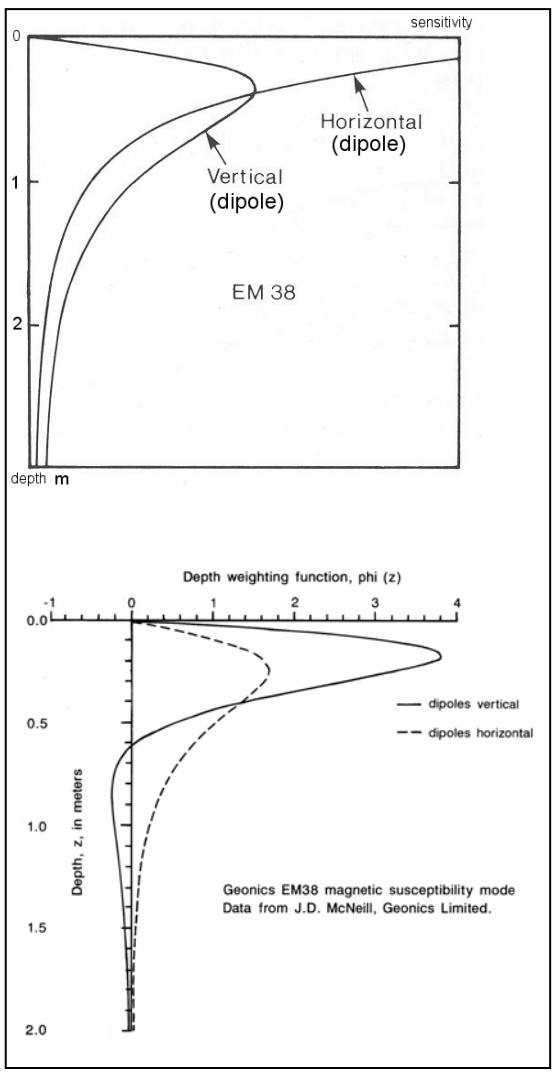


Figure 6.1: Resistivity array configurations, after Milsom, (1996, Figure 6.2)



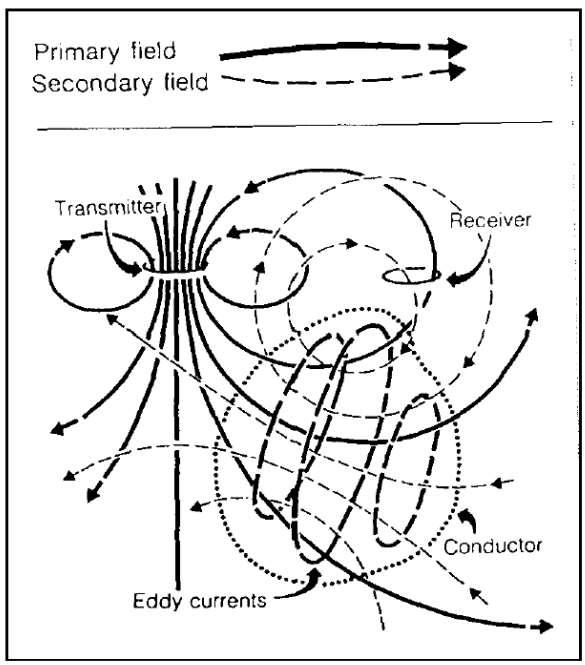
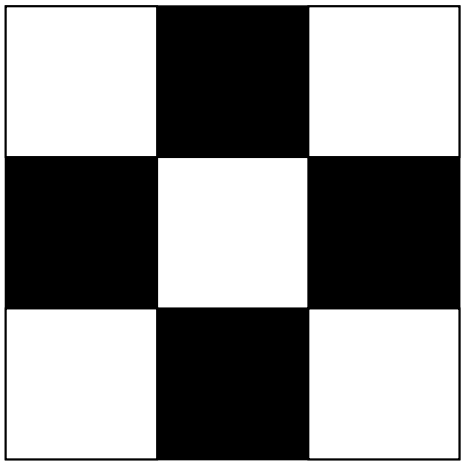


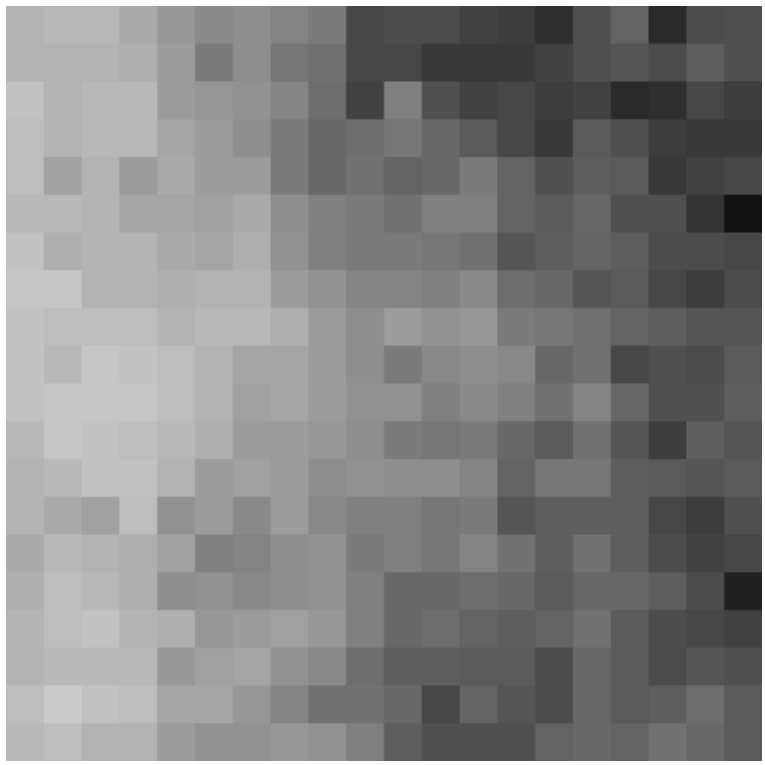
Figure 6.2 EM physical concepts, from Klein & Lajoie, (1980).

Figure 6.3 Sensitivity/depth curves for the Geonics EM38, from ed. Johnson (2006b)



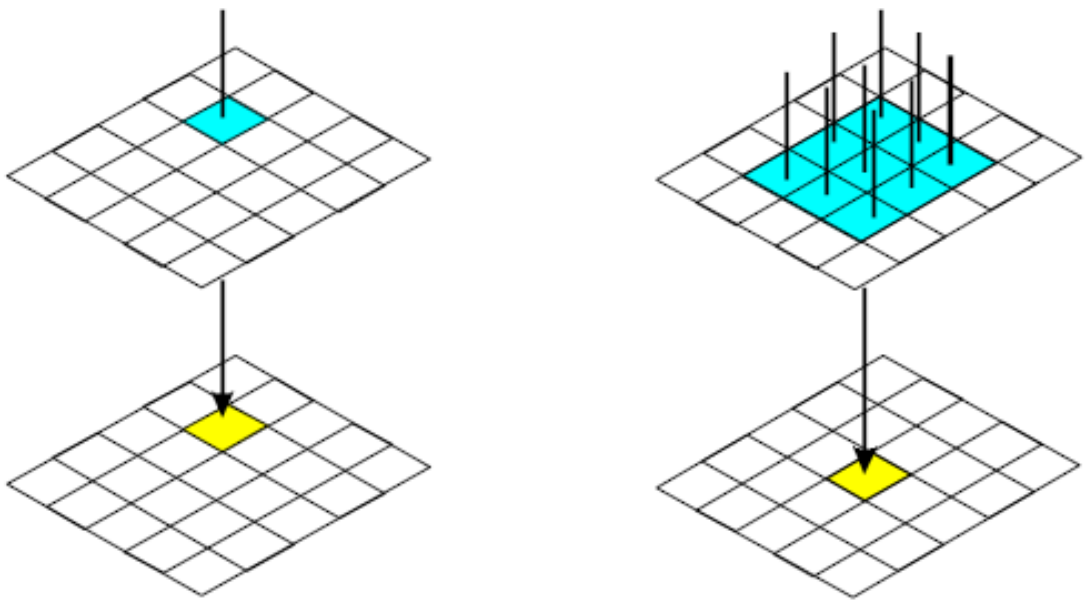
A simple 3 x 3 binary raster

Note: The cell sizes are not to scale between the images.



A 20 x 20 raster with 55 shades of grey

Figure 7.1: Binary raster compared to a 20 x 20 reading survey grid



On the left, a point operator, on the right a neighbourhood operator: the values of the blue cells are used to calculate the new value of the yellow cell in the new raster.

Figure 7.2 Point vs. neighbourhood operators adapted from Wheatley (2005)

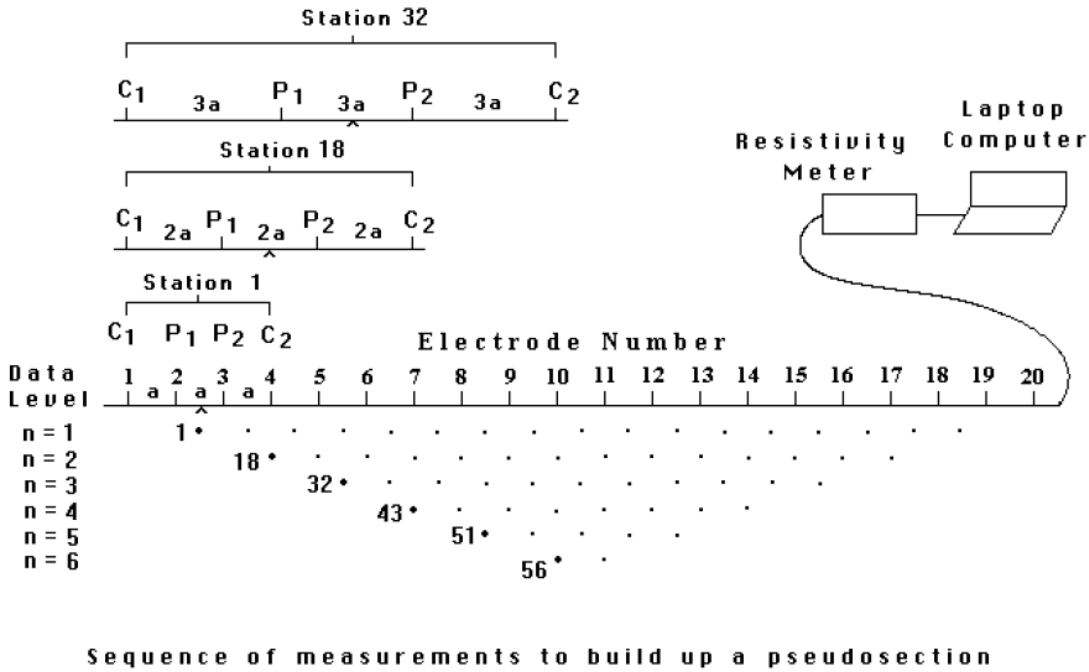
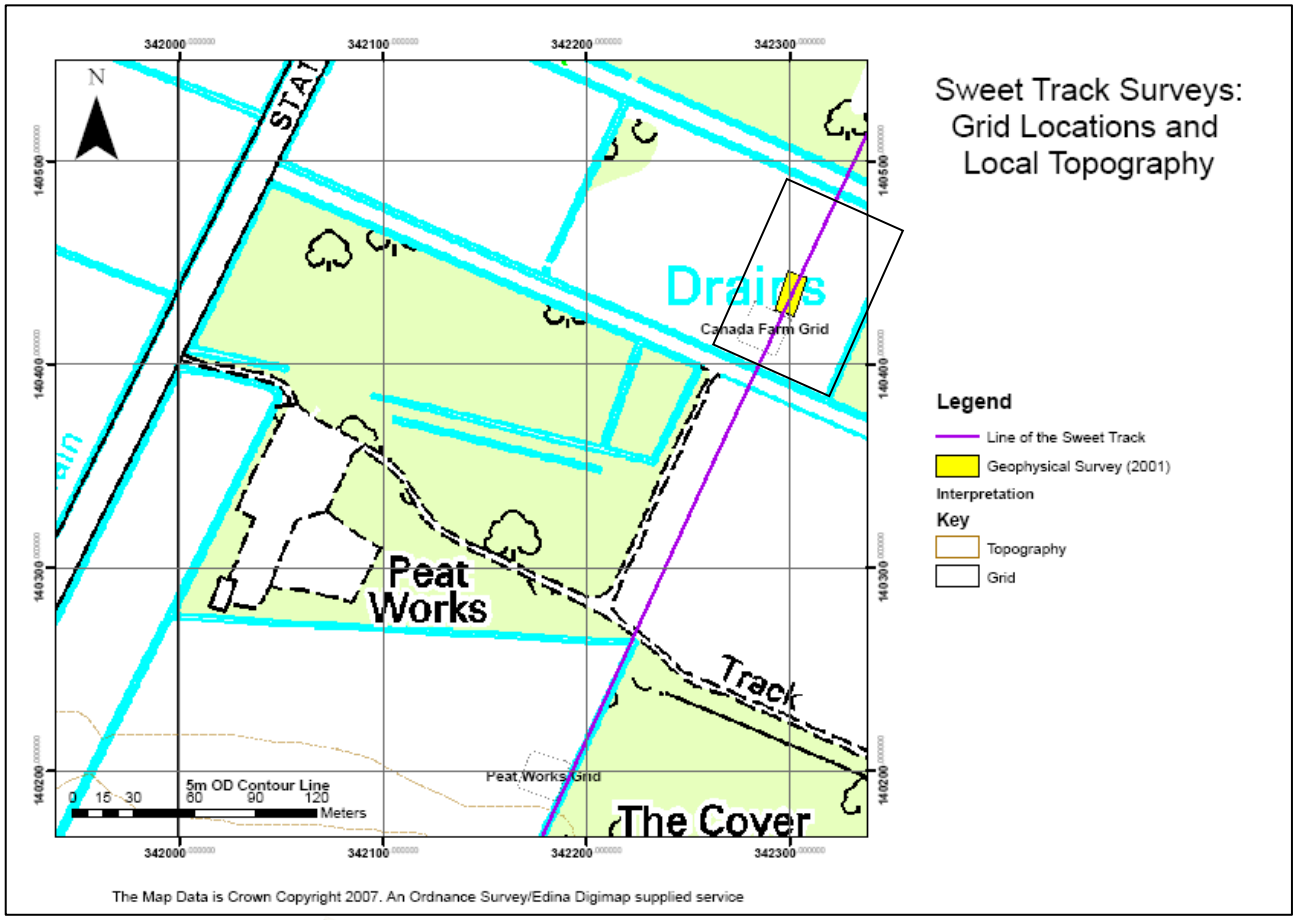
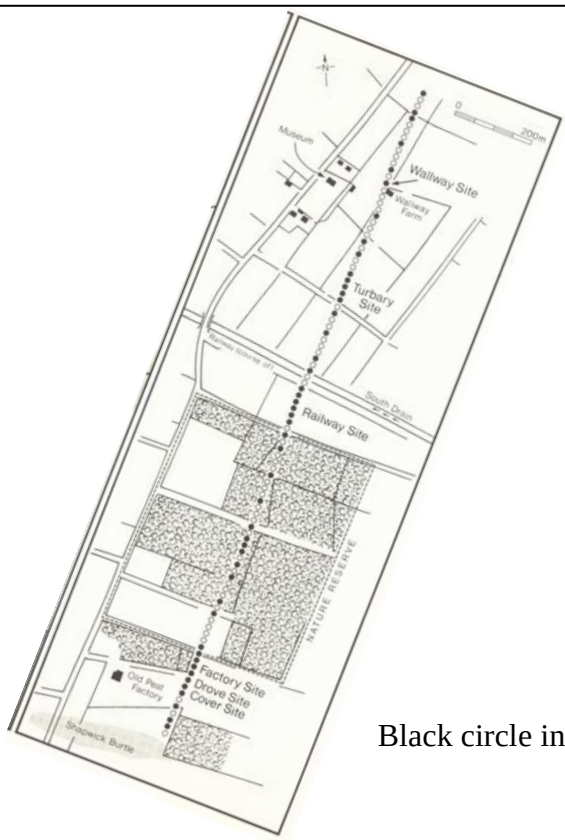


Figure 5. The arrangement of electrodes for a 2-D electrical survey and the sequence of measurements used to build up a pseudosection.

Figure 7.3 Schematic of an ERT system





Black circle indicates excavated section

Figure 9.1: Site locations at the Sweet Track, with additional map showing areas excavated as part of the SLP, from Coles & Coles (1986).

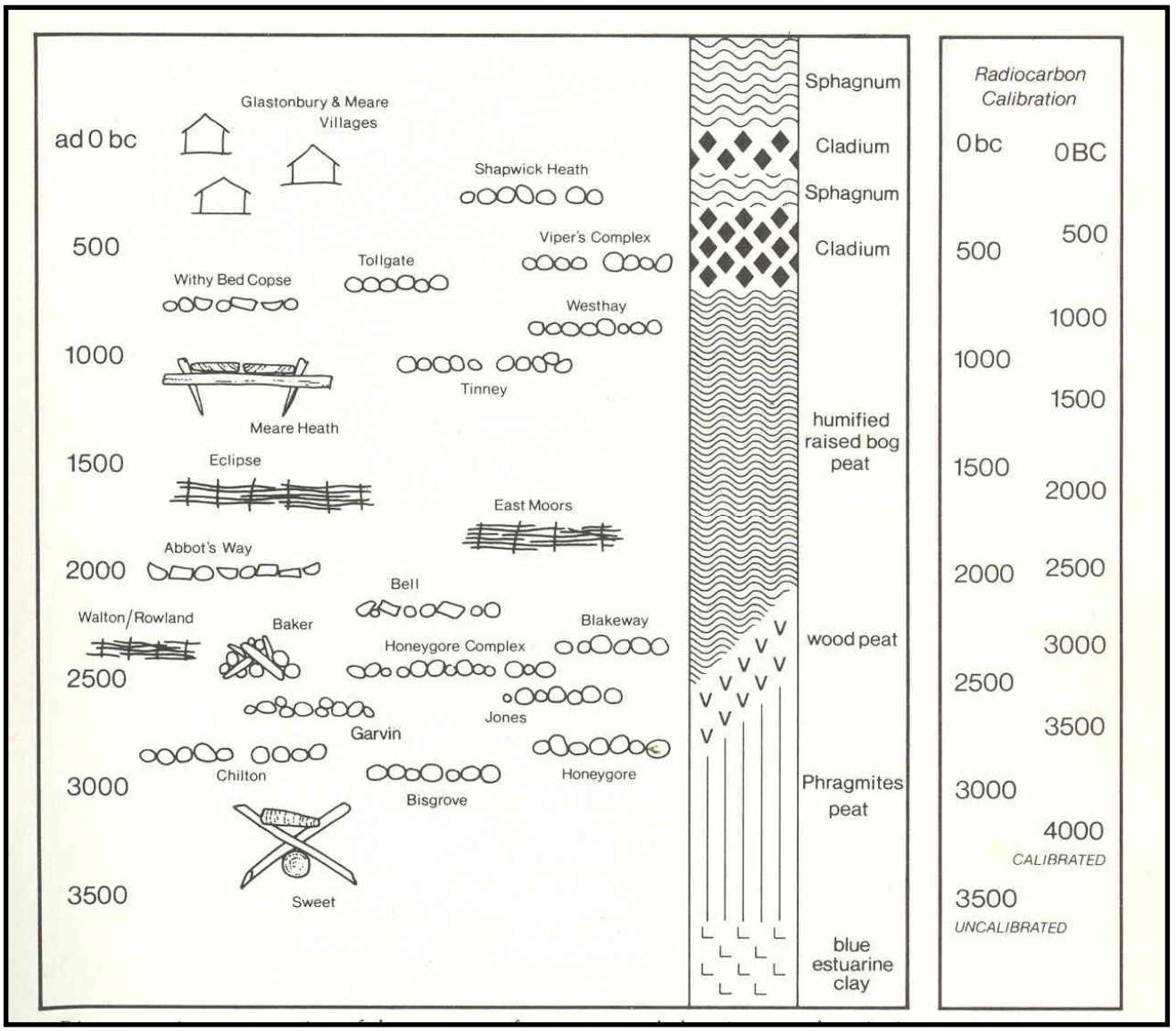


Figure 9.2: Diagrammatic representation of the sequence of structures and changing peat deposits in the Levels, from 3500 BC to the end of the prehistoric period, with calibration chart. From Coles & Coles (1986), figure 5.

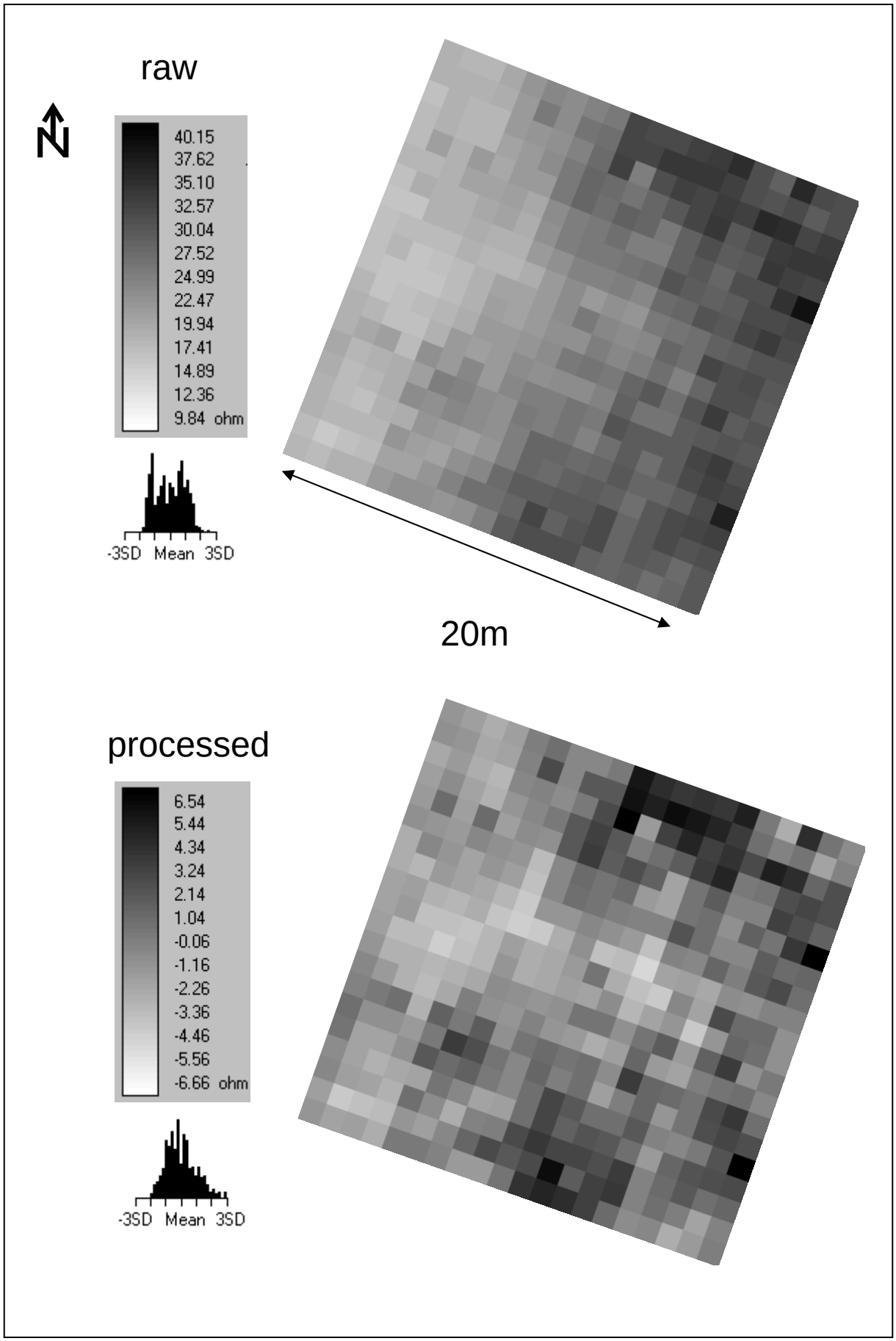


Figure 9.3: Canada Farm multiplexed resistivity survey probe separation A (0.25m)
Data plotted on a 55 point grey scale, clipped at +/- 3 SD from the mean

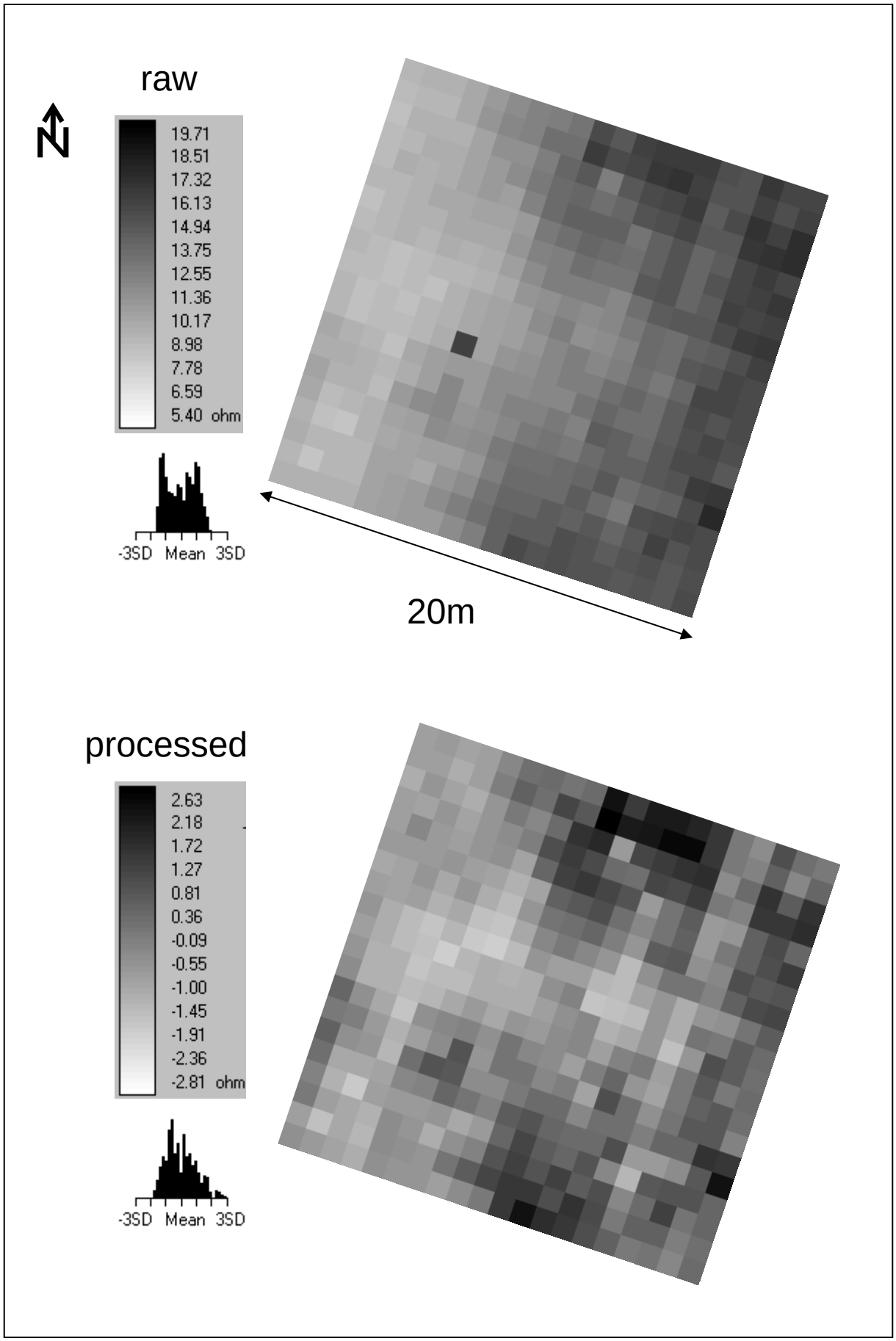


Figure 9.4: Canada Farm multiplexed resistivity survey probe separation B (0.5m)
Data plotted on a 55 point grey scale, clipped at +/- 3 SD from the mean

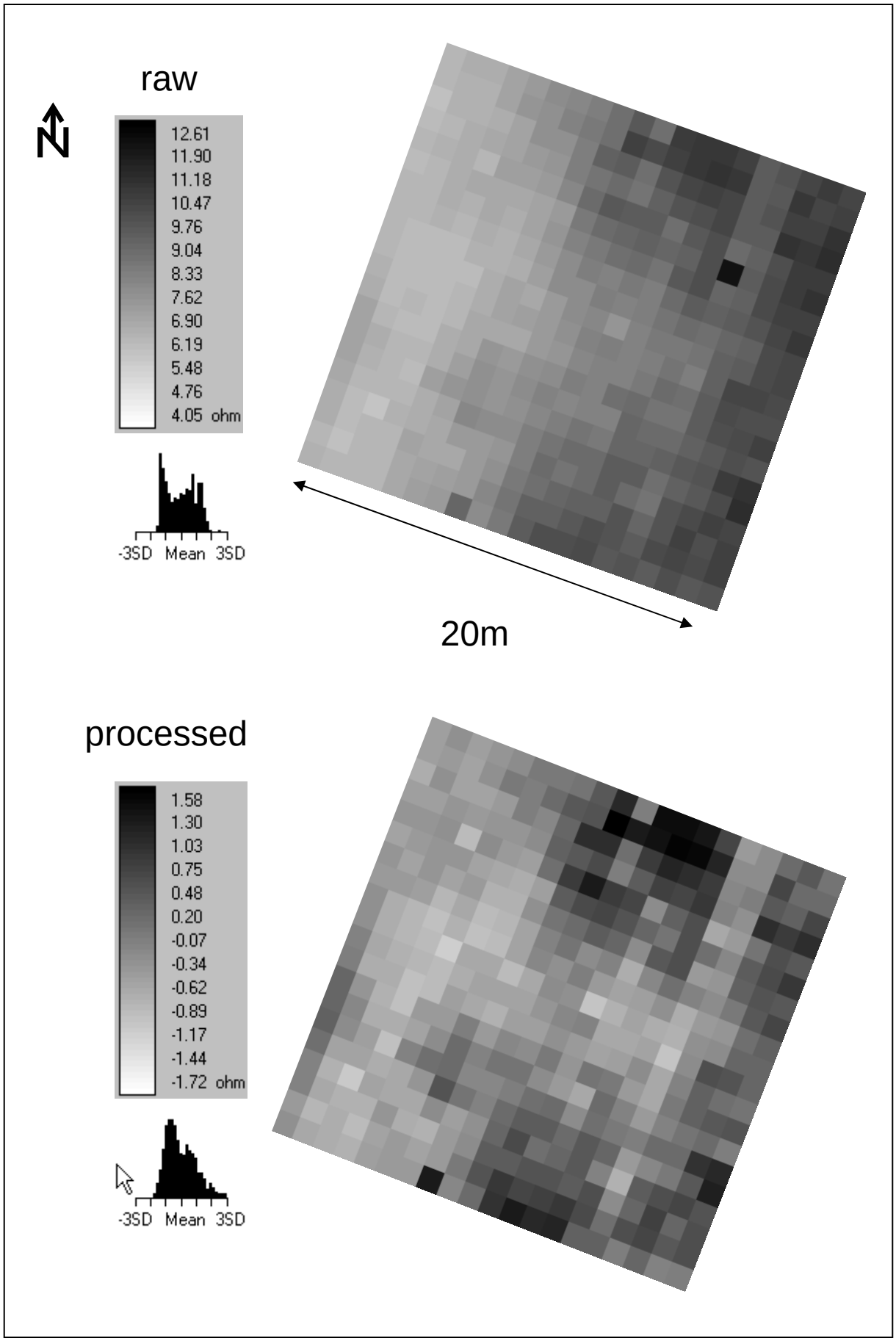


Figure 9.5: Canada Farm multiplexed resistivity survey probe separation C (0.75m)
Data plotted on a 55 point grey scale, clipped at +/- 3 SD from the mean

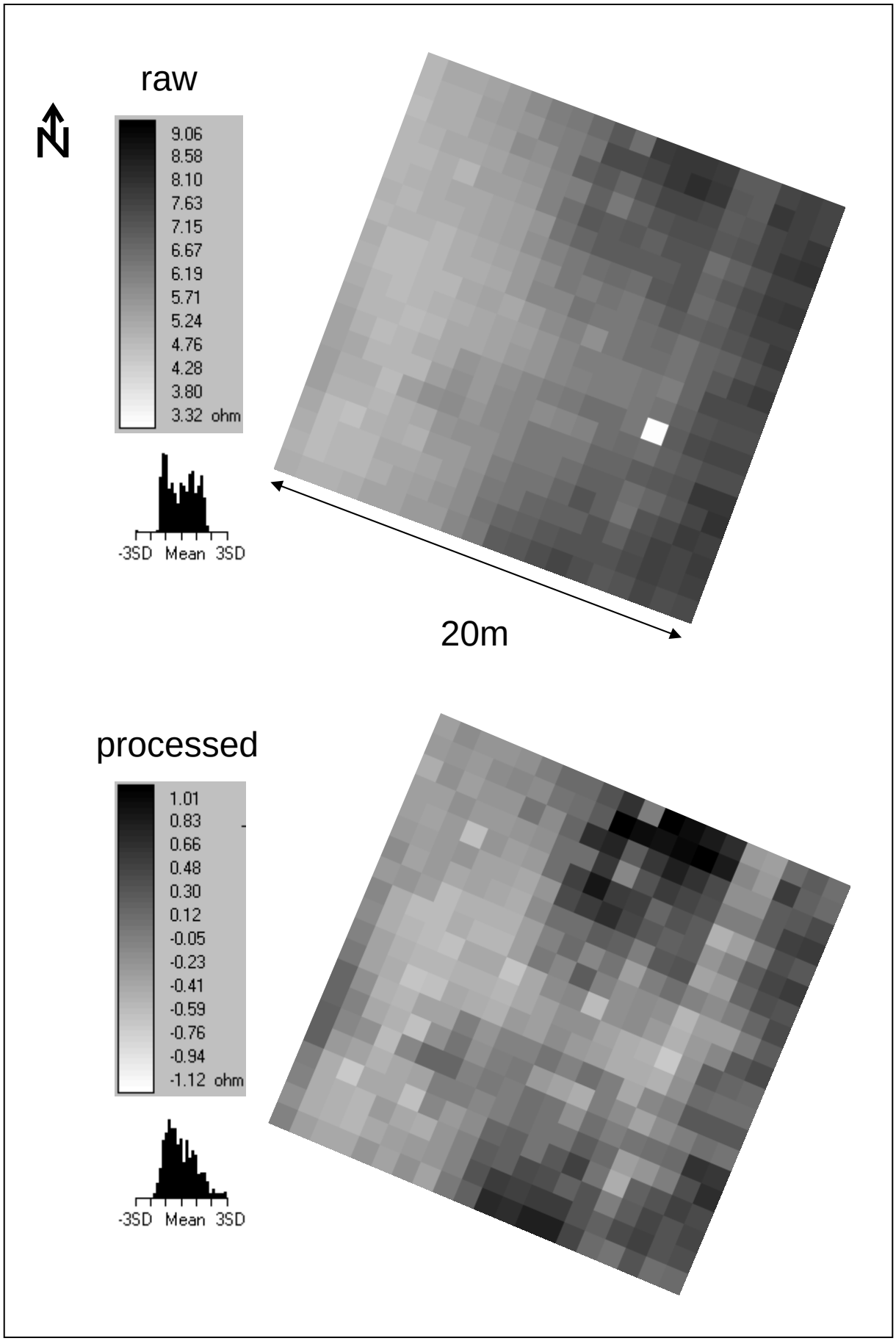


Figure 9.6: Canada Farm multiplexed resistivity survey probe separation D (1.0m)
Data plotted on a 55 point grey scale, clipped at +/- 3 SD from the mean

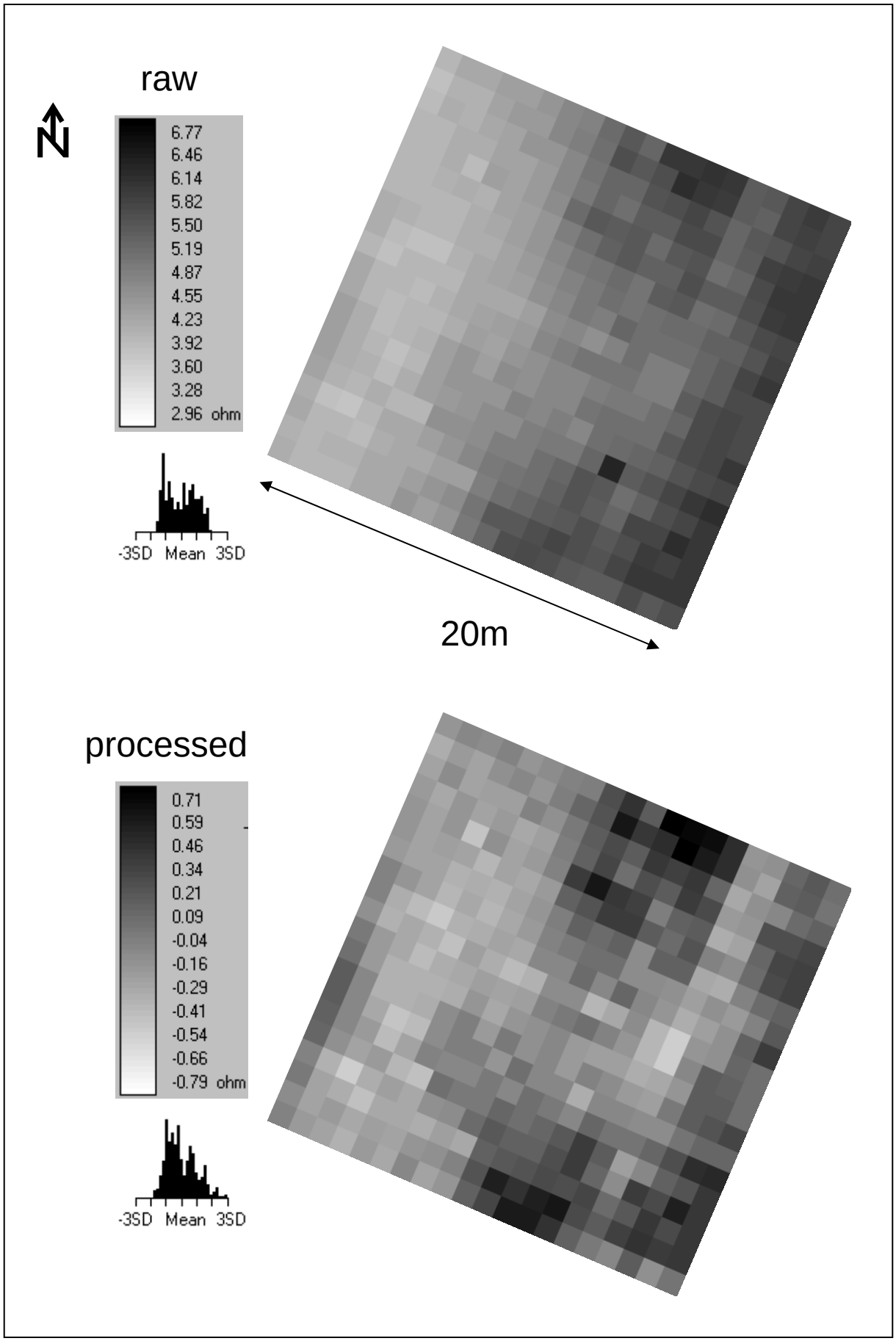


Figure 9.7: Canada Farm multiplexed resistivity survey probe separation E (1.25m)
Data plotted on a 55 point grey scale, clipped at +/- 3 SD from the mean

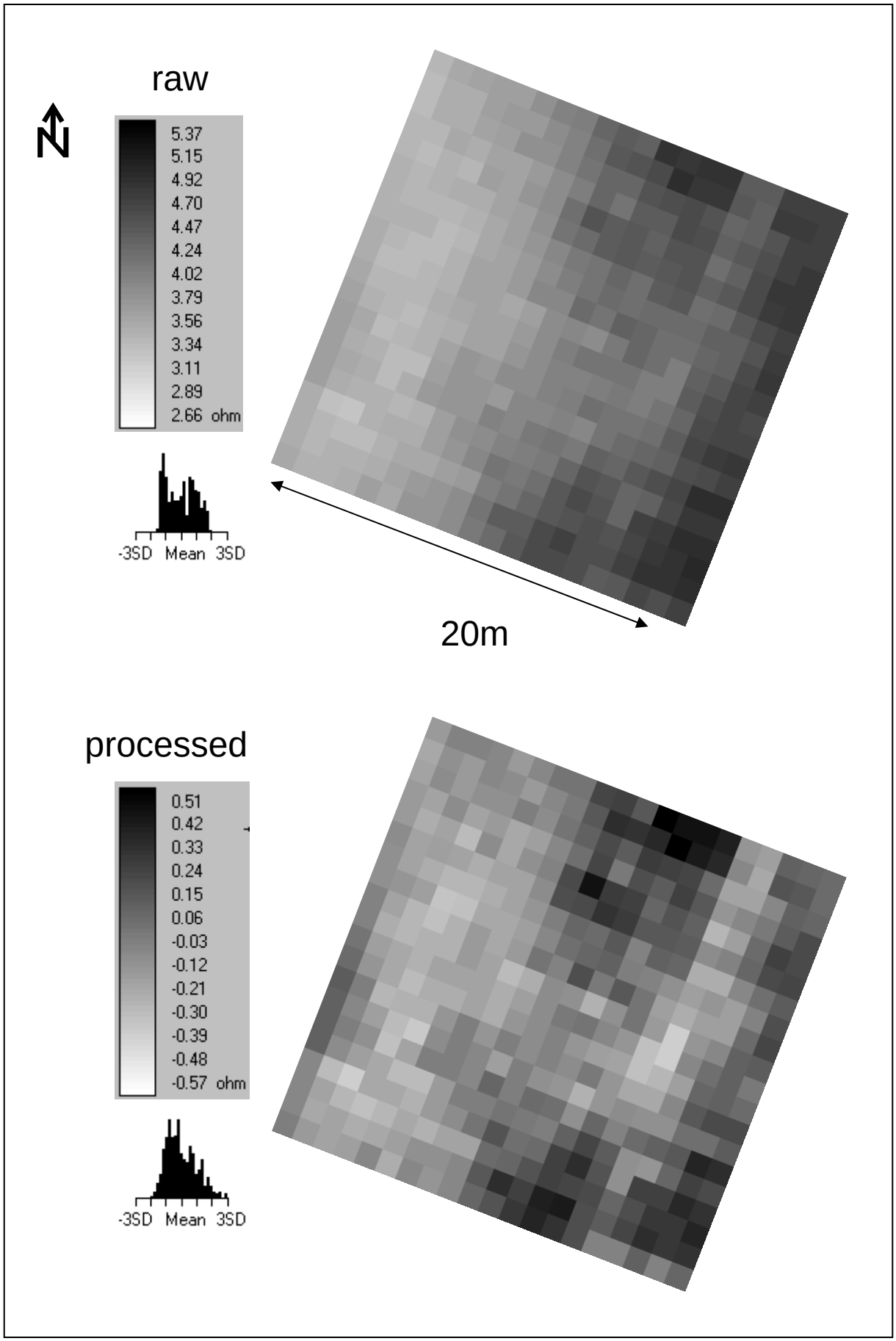


Figure 9.8: Canada Farm multiplexed resistivity survey probe separation F (1.5m)
Data plotted on a 55 point grey scale, clipped at +/- 3 SD from the mean

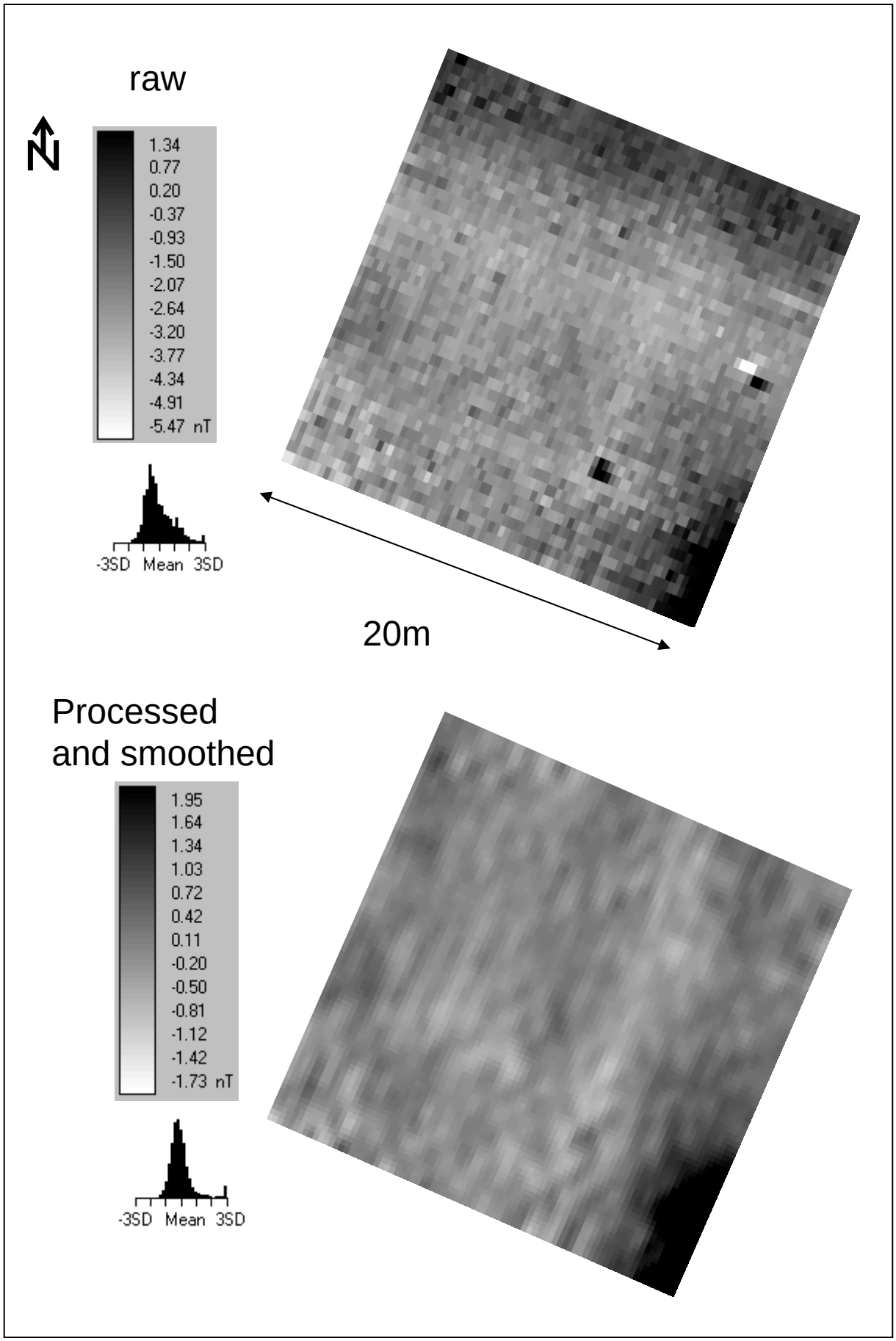


Figure 9.9: Canada Farm FM36 Survey
Data plotted on a 55 point grey scale, clipped at +/- 3 SD from the mean

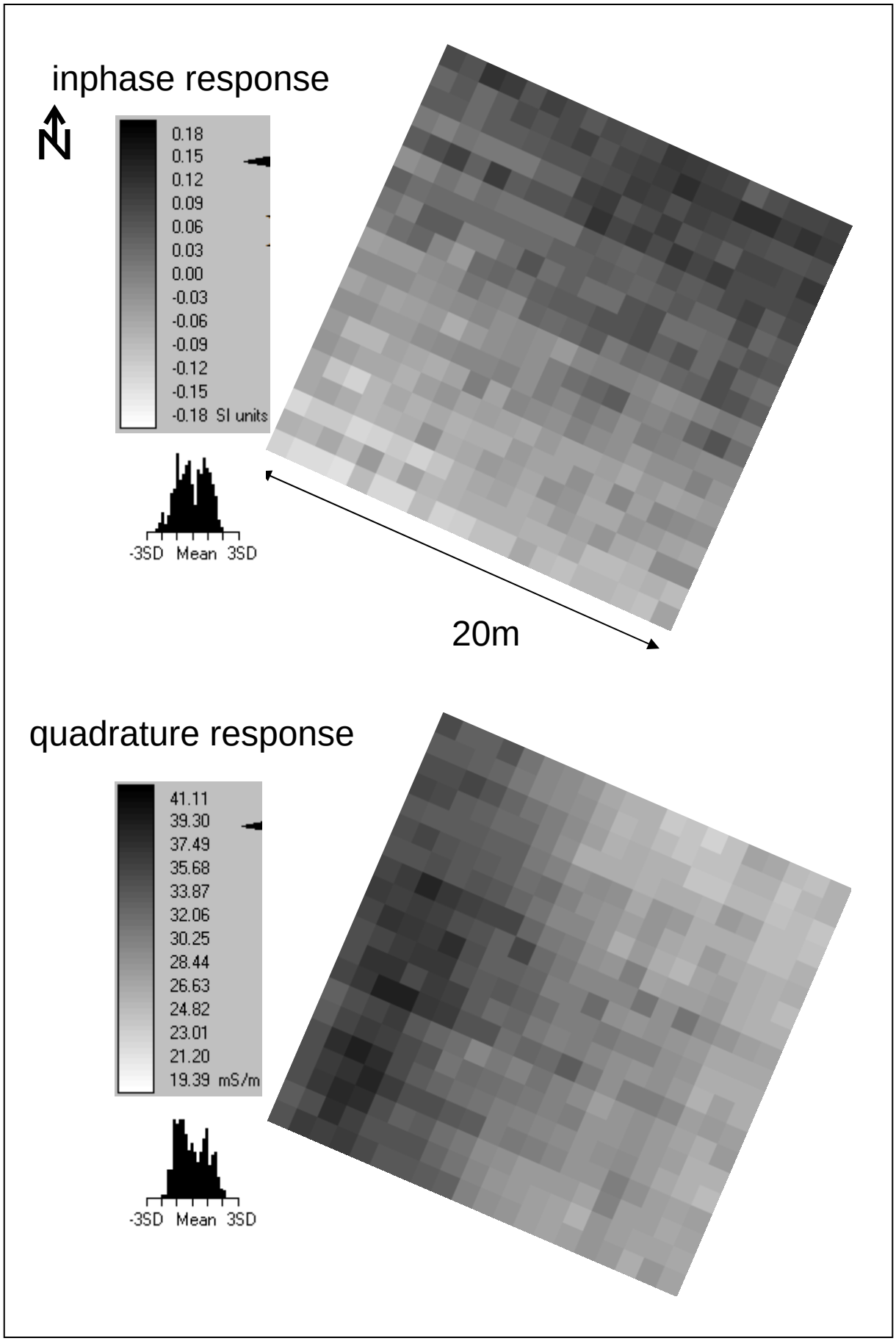


Figure 9.10: Canada Farm vertical EM response
Data plotted on a 55 point grey scale, clipped at +/- 3 SD from the mean

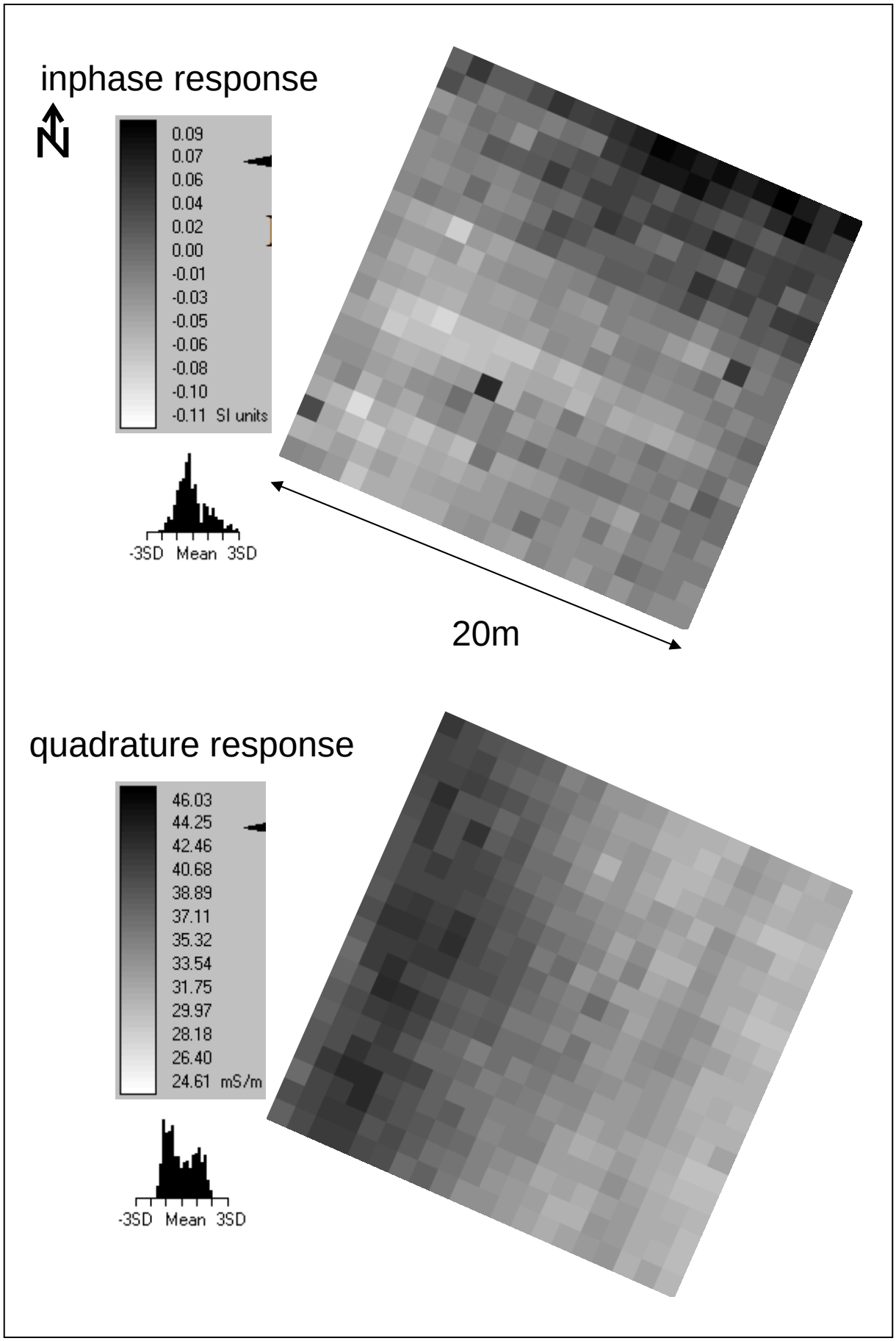
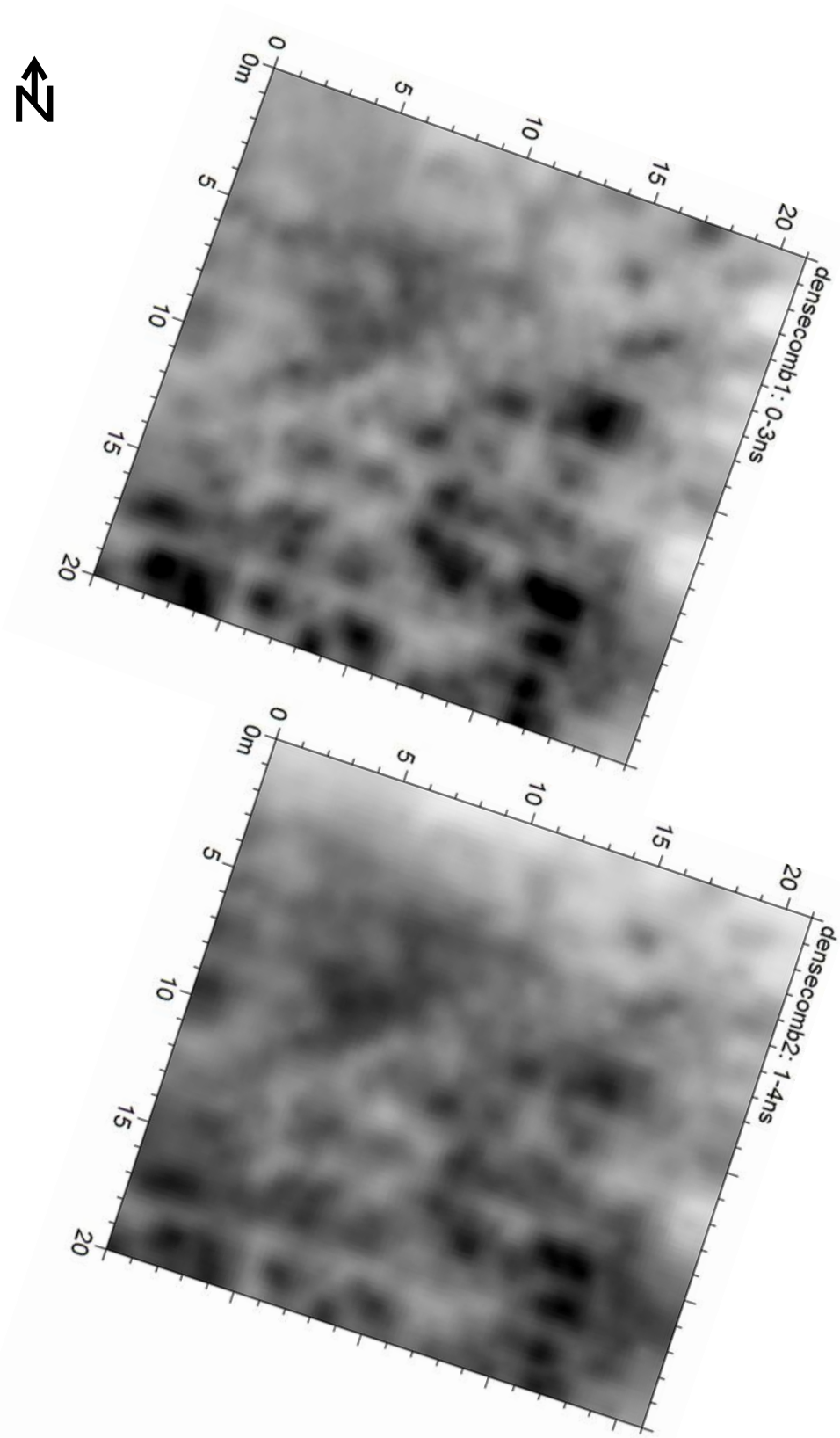


Figure 9.11: Canada Farm horizontal EM response
Data plotted on a 55 point grey scale, clipped at +/- 3 SD from the mean

Timeslice:	Time Window (ns)	Estimated Depth (m)
1	0- 2.8	0- 0.1
2	1.25- 4.05	0.04- 0.14
3	2.51- 5.31	0.09- 0.19
4	3.76- 6.56	0.13- 0.23
5	5.01- 7.81	0.18- 0.27
6	6.26- 9.07	0.22- 0.32
7	7.52- 10.32	0.26- 0.36
8	8.77- 11.57	0.31- 0.41
9	10.02- 12.83	0.35- 0.45
10	11.28- 14.08	0.39- 0.49
11	12.53-15.33	0.44- 0.54
12	13.78- 17.84	0.48- 0.58
13	15.04- 17.84	0.53- 0.62
14	16.29- 19.09	0.57- 0.67
15	17.54- 20.34	0.61- 0.71
16	18.79- 21.6	0.66- 0.76
17	20.05- 22.85	0.7- 0.8
18	21.3- 24.1	0.75- 0.84
19	22.55- 25.35	0.79- 0.89
20	23.81- 26.61	0.83- 0.93
21	25.06- 27.86	0.88- 0.98
22	26.31- 29.11	0.92- 1.02
23	27.56- 30.37	0.96- 1.06
24	28.82- 31.62	1.01- 1.11
25	30.07- 32.87	1.05- 1.15
26	31.32- 34.12	1.1- 1.19
27	32.58- 35.38	1.14- 1.24
28	33.83- 36.63	1.18- 1.28
29	35.08- 37.88	1.23- 1.33
30	36.33- 39.14	1.27- 1.37

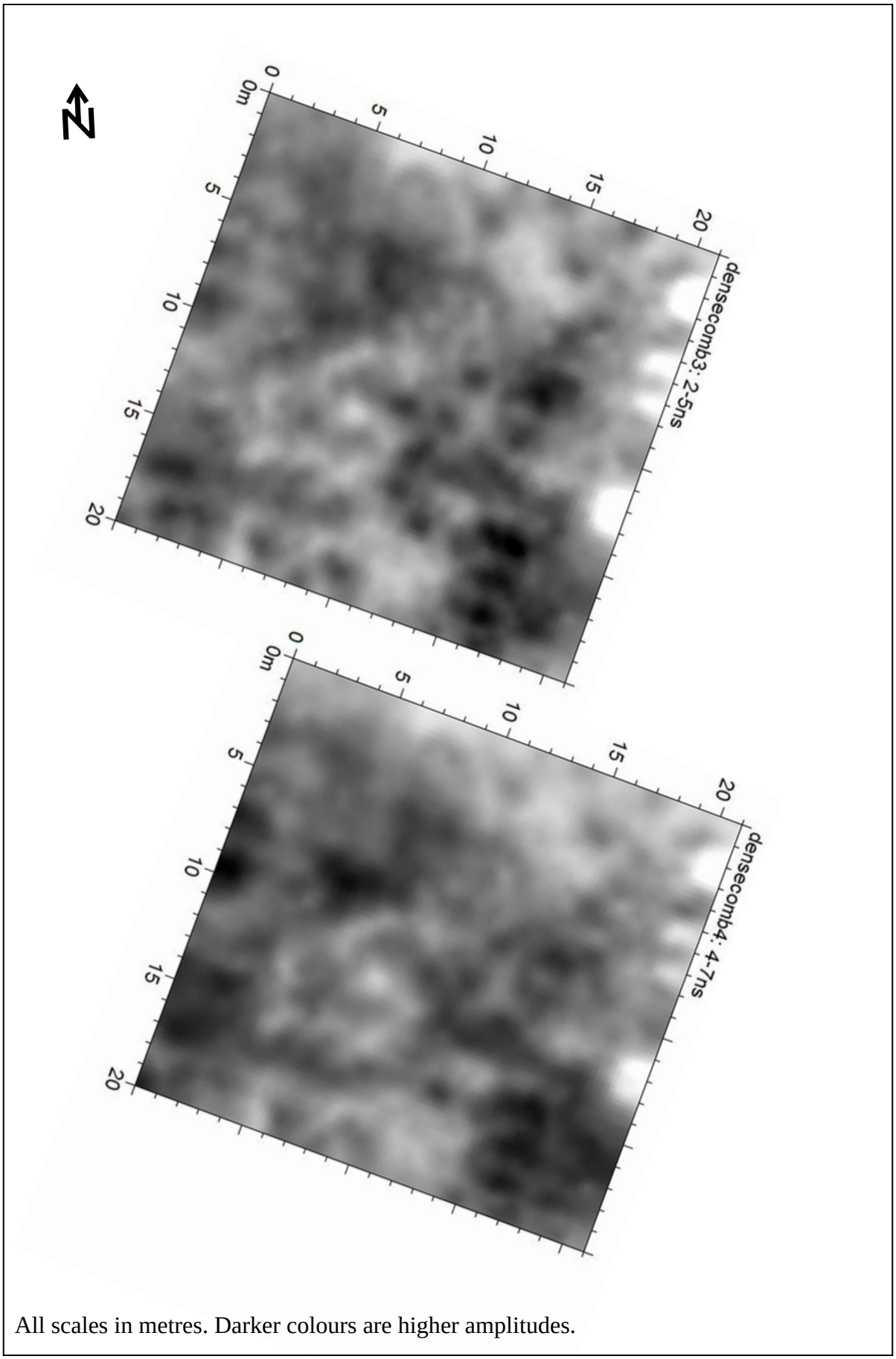
The depths given in the table are based on an estimated average radar velocity of 0.07m/ns, as discussed in the main report text. They therefore should not be taken as the absolute depths of any features discussed.

Figure 9.12 Estimated timeslice depths for 250 MHz survey at Canada Farm



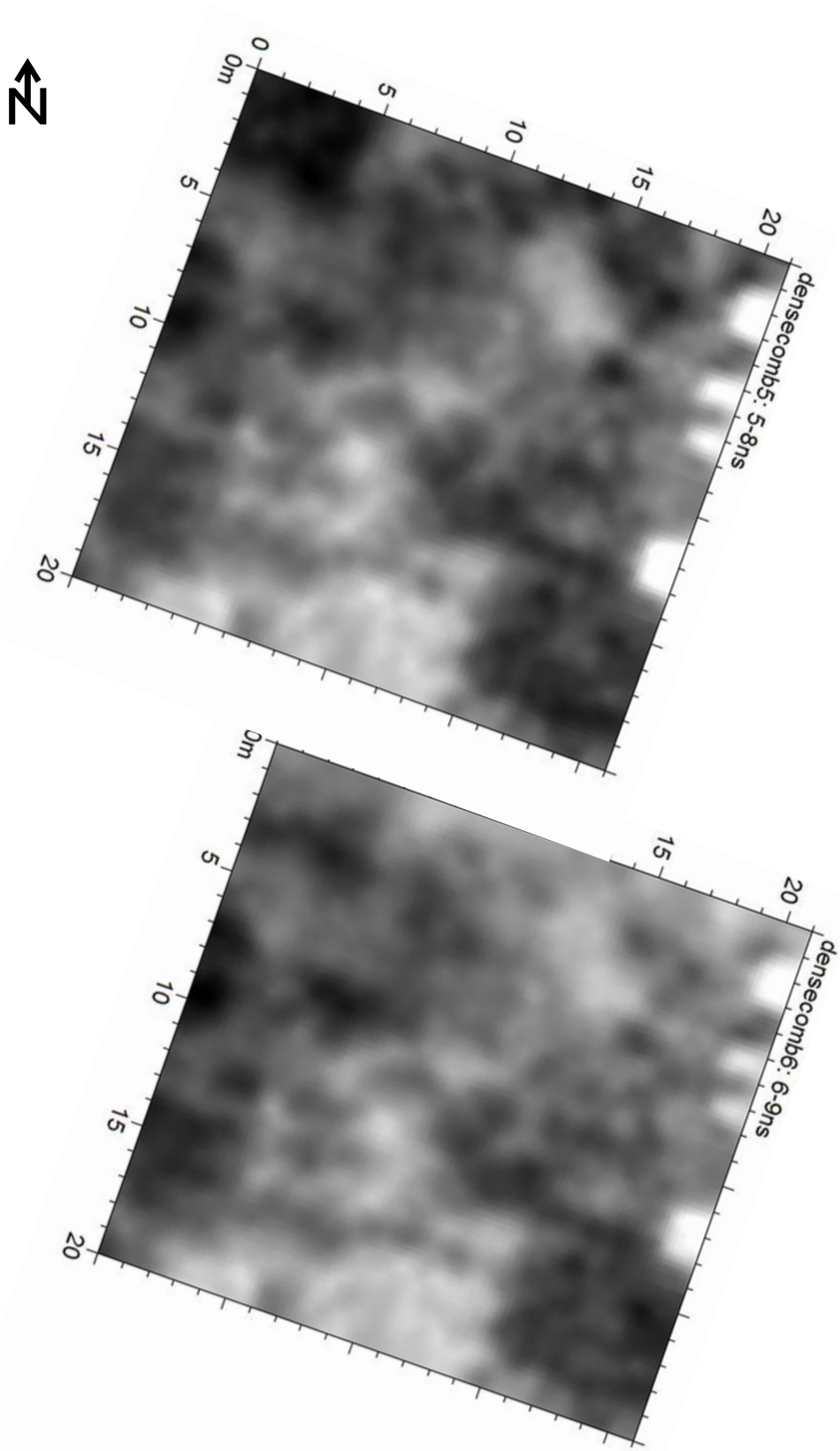
All scales in metres. Darker colours are higher amplitudes.

Figure 9.12 Canada Farm 250MHz GPR Timeslices 1 & 2



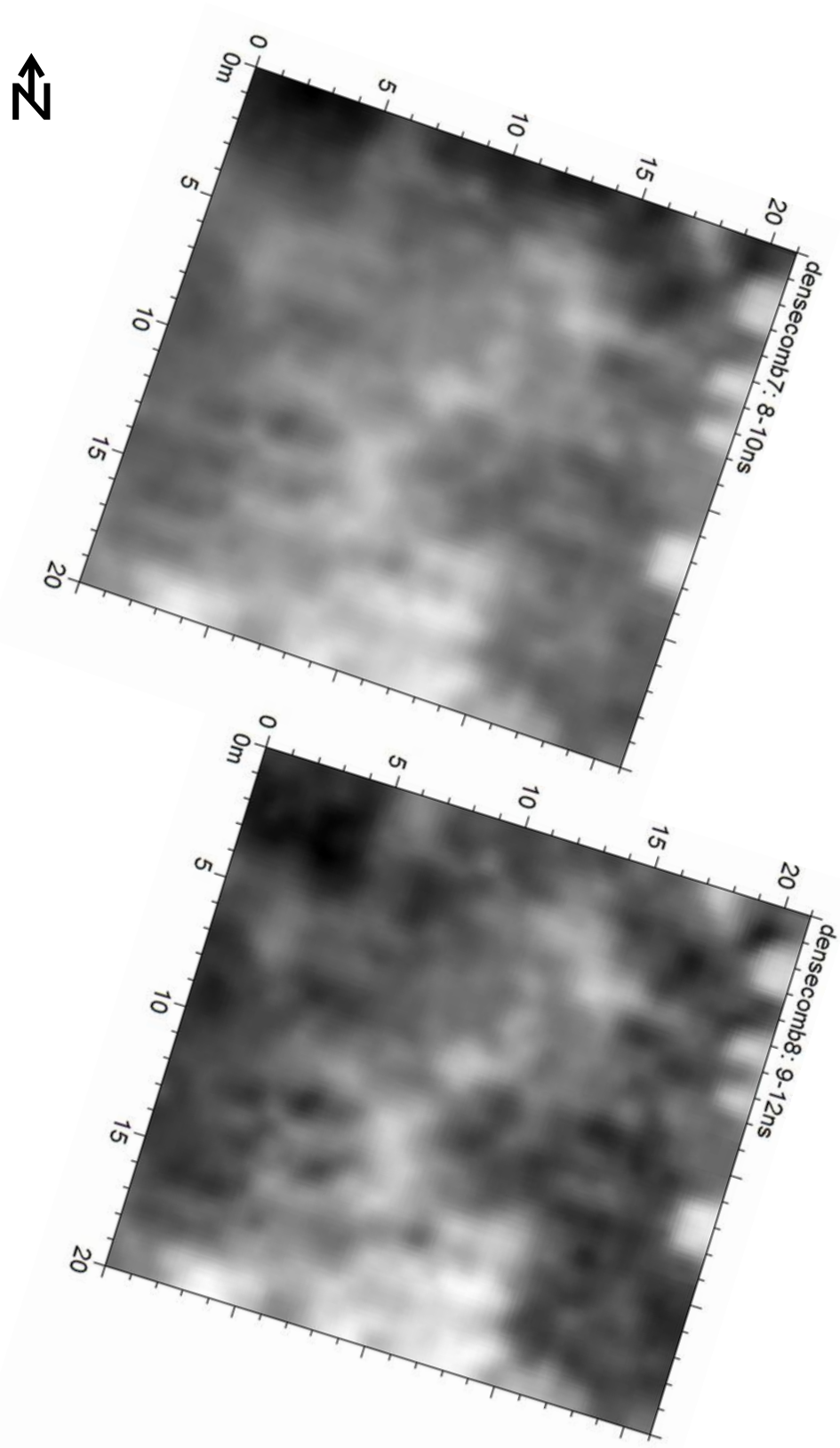
All scales in metres. Darker colours are higher amplitudes.

Figure 9.13 Canada Farm 250MHz GPR Timeslices 3 & 4



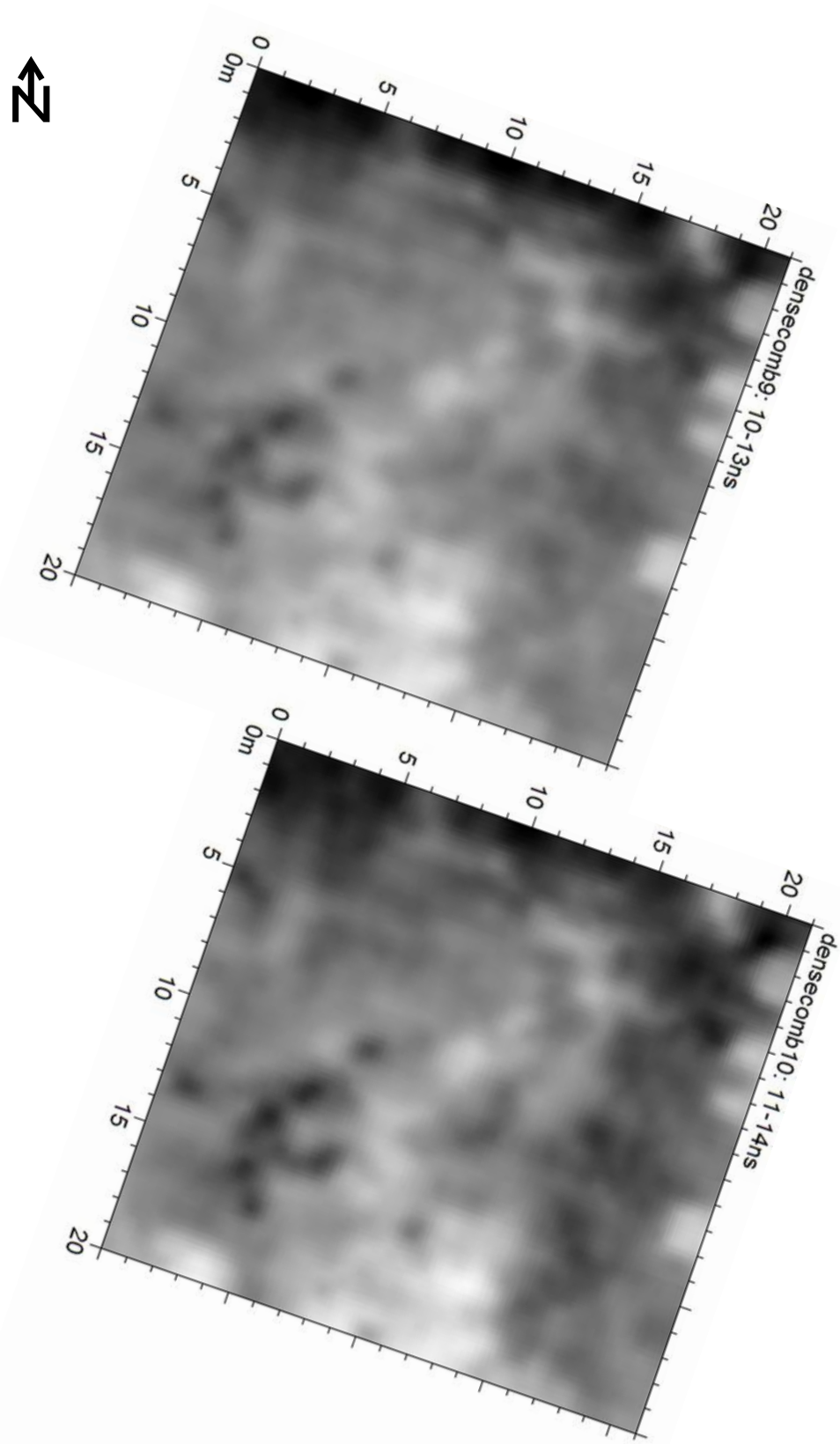
All scales in metres. Darker colours are higher amplitudes.

Figure 9.14 Canada Farm 250MHz GPR Timeslices 5 & 6



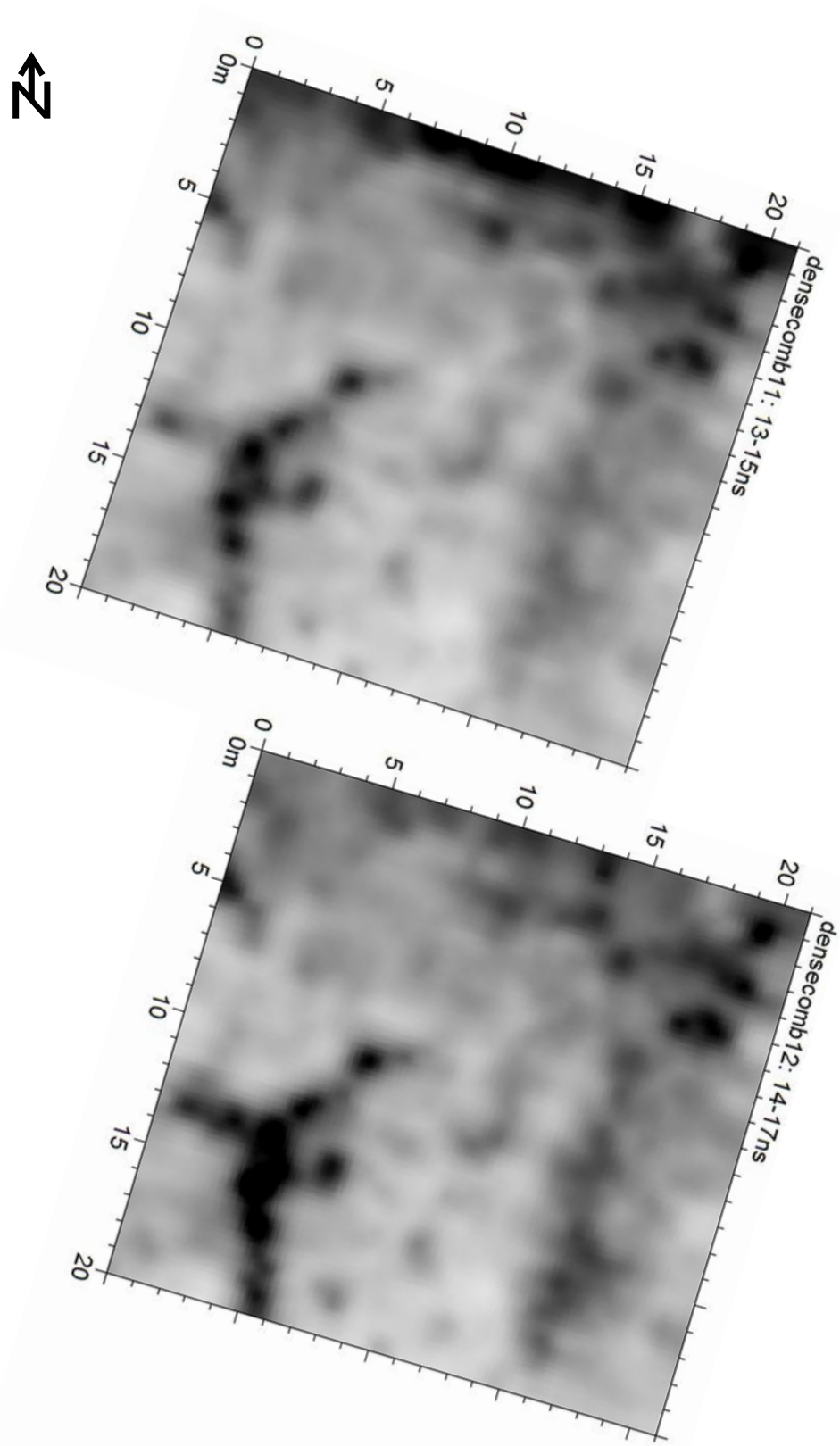
All scales in metres. Darker colours are higher amplitudes.

Figure 9.15 Canada Farm 250MHz GPR Timeslices 7 & 8



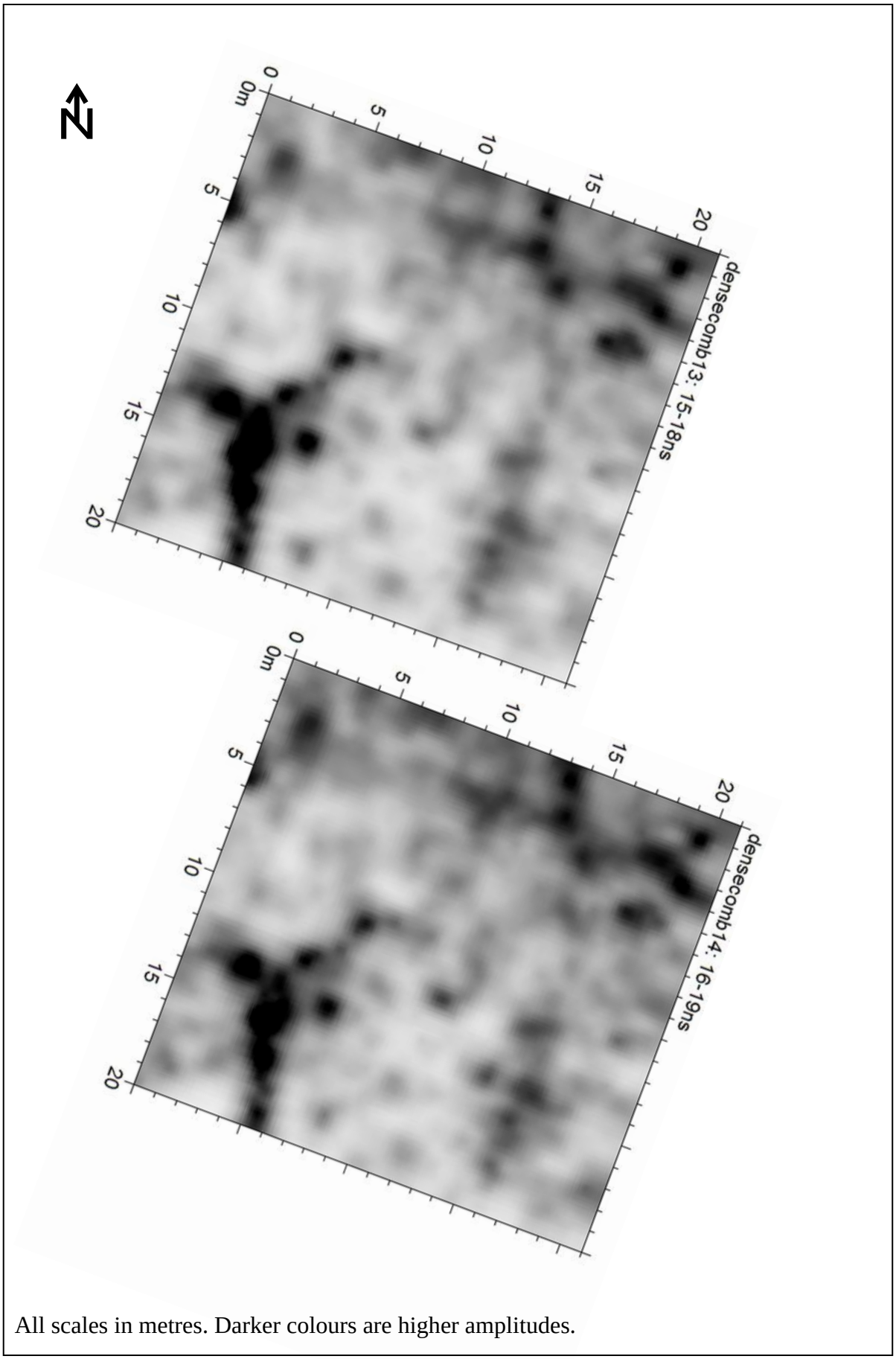
All scales in metres. Darker colours are higher amplitudes.

Figure 9.16 Canada Farm 250MHz GPR Timeslices 9 & 10



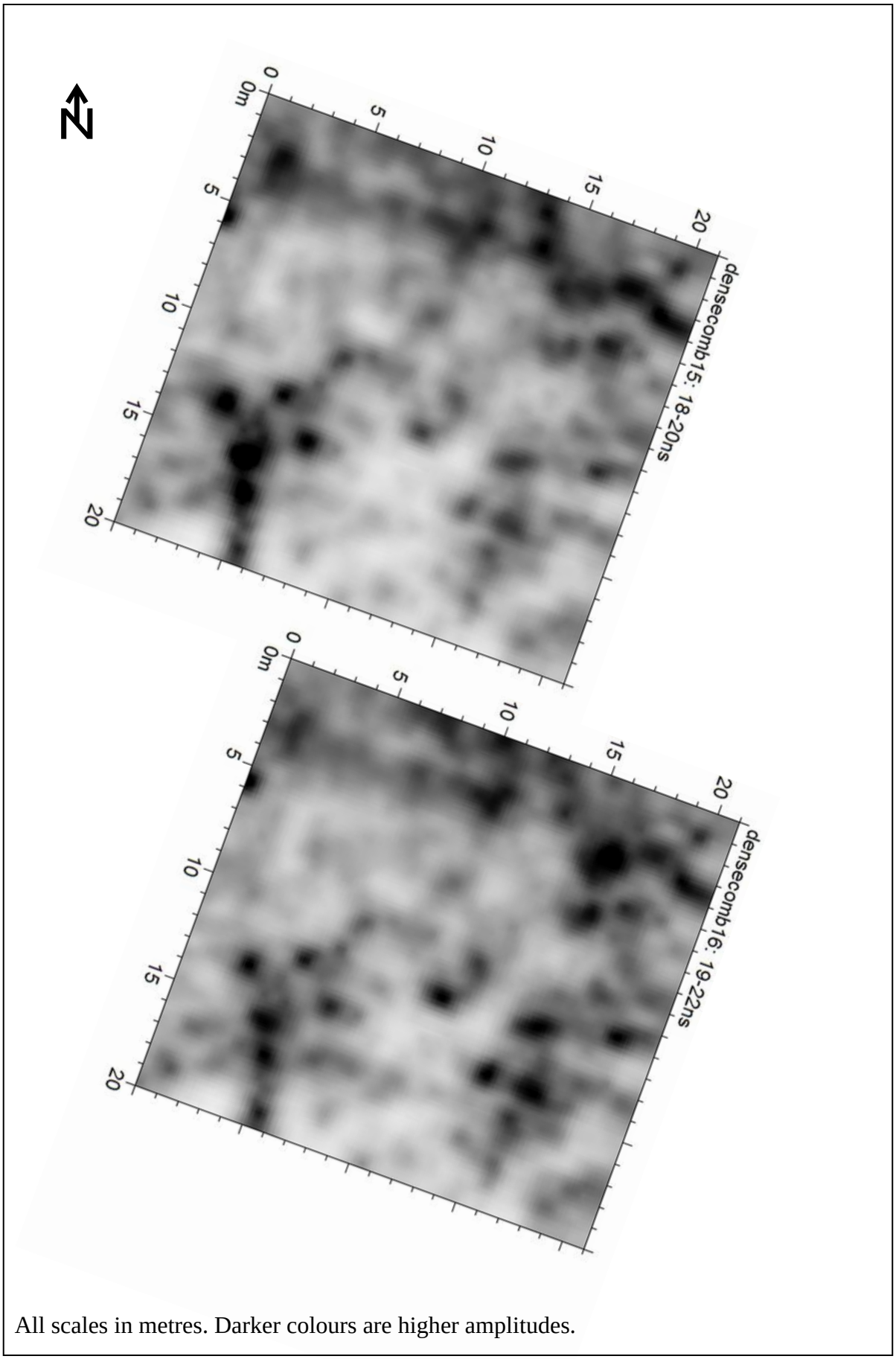
All scales in metres. Darker colours are higher amplitudes.

Figure 9.17 Canada Farm 250MHz GPR Timeslices 11 & 12



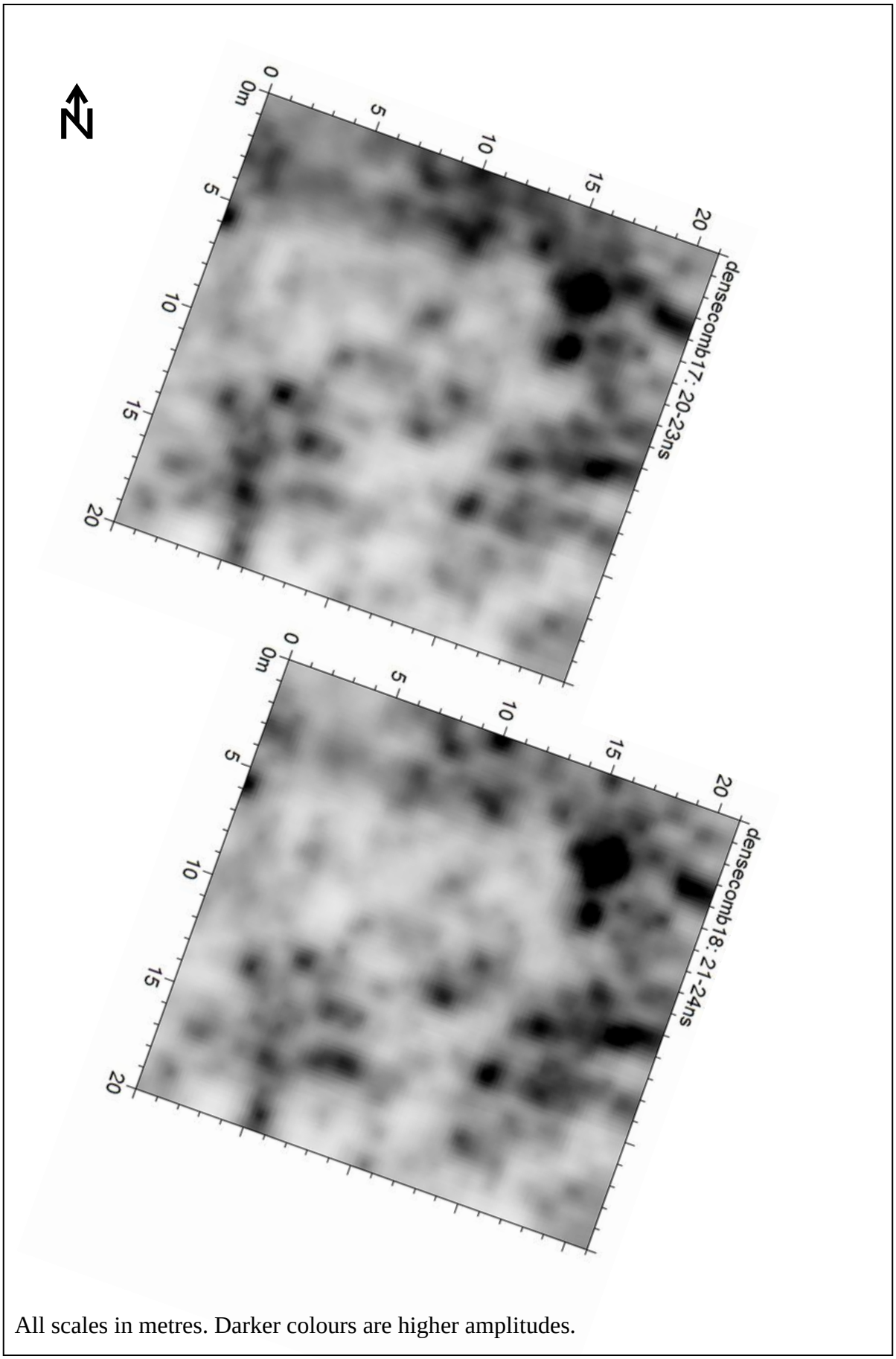
All scales in metres. Darker colours are higher amplitudes.

Figure 9.18 Canada Farm 250MHz GPR Timeslices 13 & 14



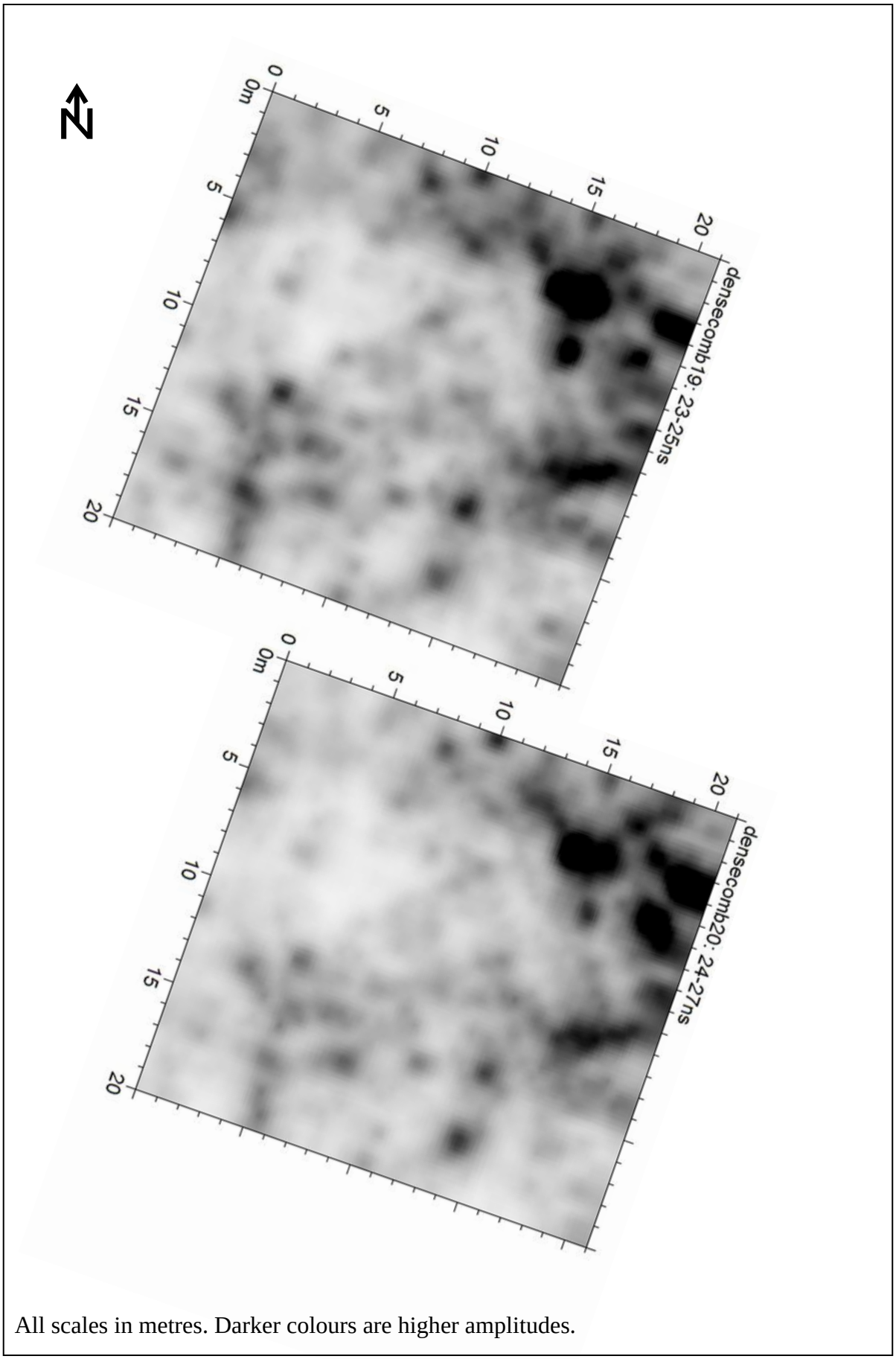
All scales in metres. Darker colours are higher amplitudes.

Figure 9.19 Canada Farm 250MHz GPR Timeslices 15 & 16



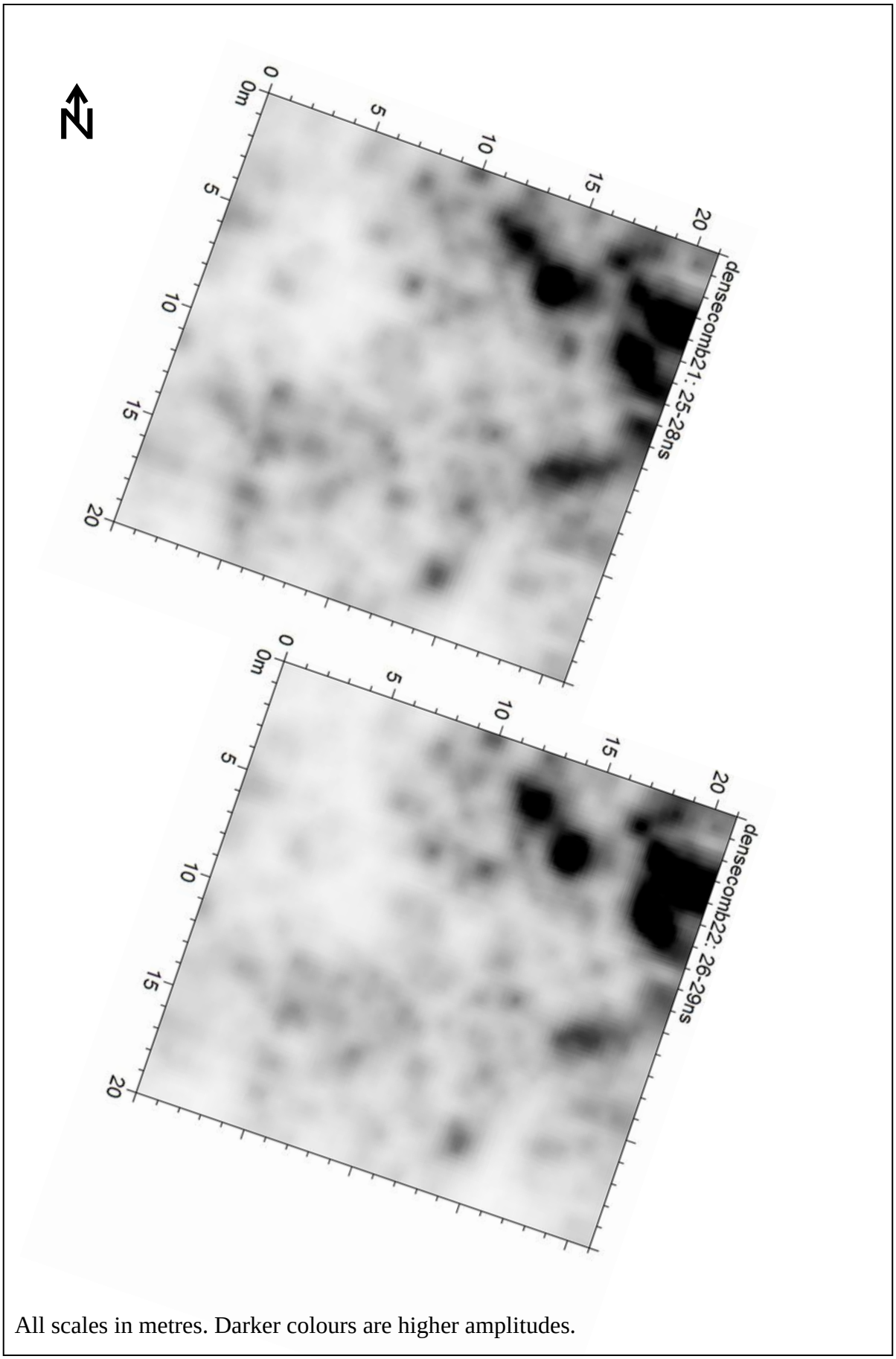
All scales in metres. Darker colours are higher amplitudes.

Figure 9.20 Canada Farm 250MHz GPR Timeslices 17 & 18



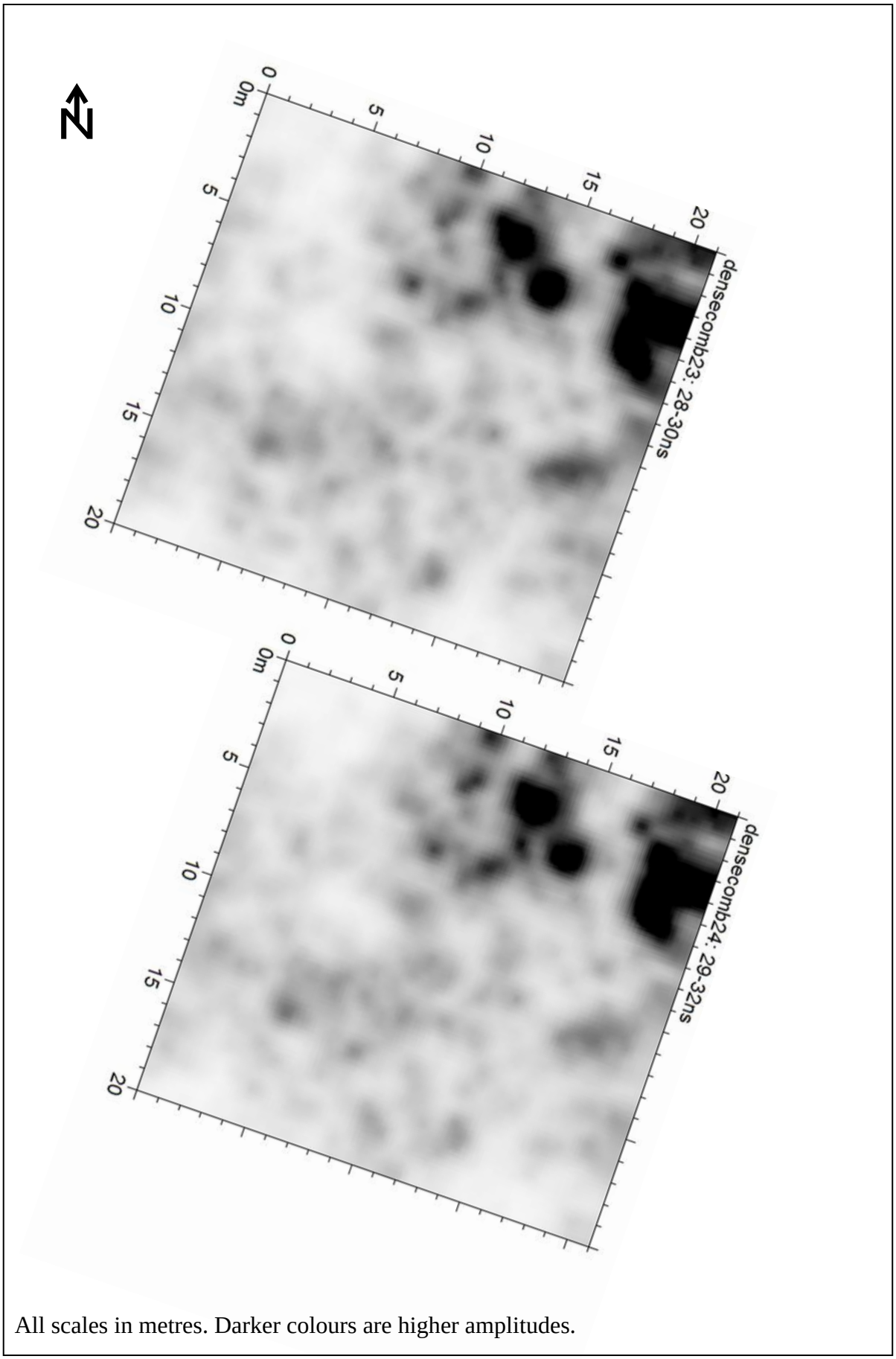
All scales in metres. Darker colours are higher amplitudes.

Figure 9.21 Canada Farm 250MHz GPR Timeslices 19 & 20



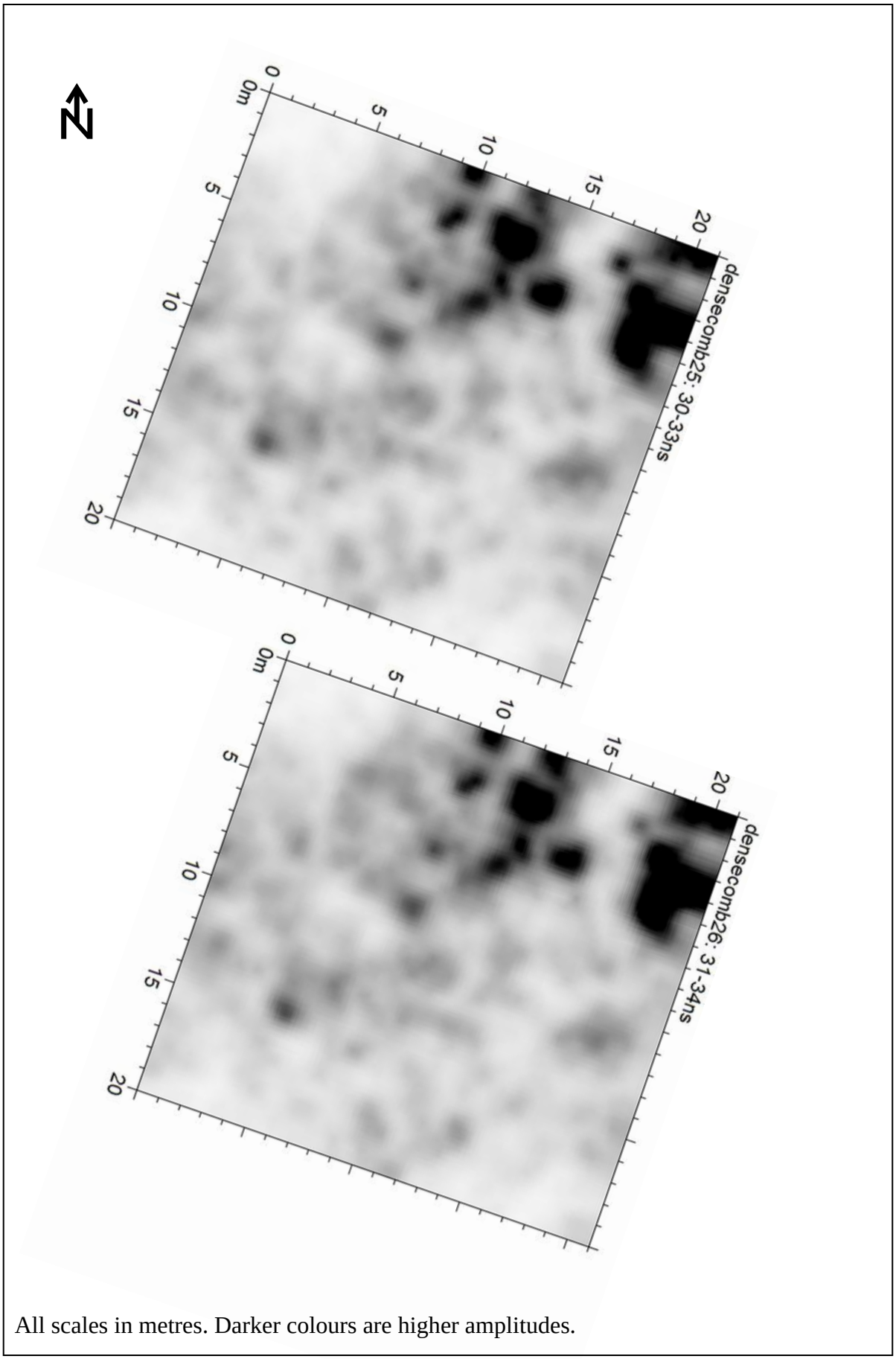
All scales in metres. Darker colours are higher amplitudes.

Figure 9.22 Canada Farm 250MHz GPR Timeslices 21 & 22



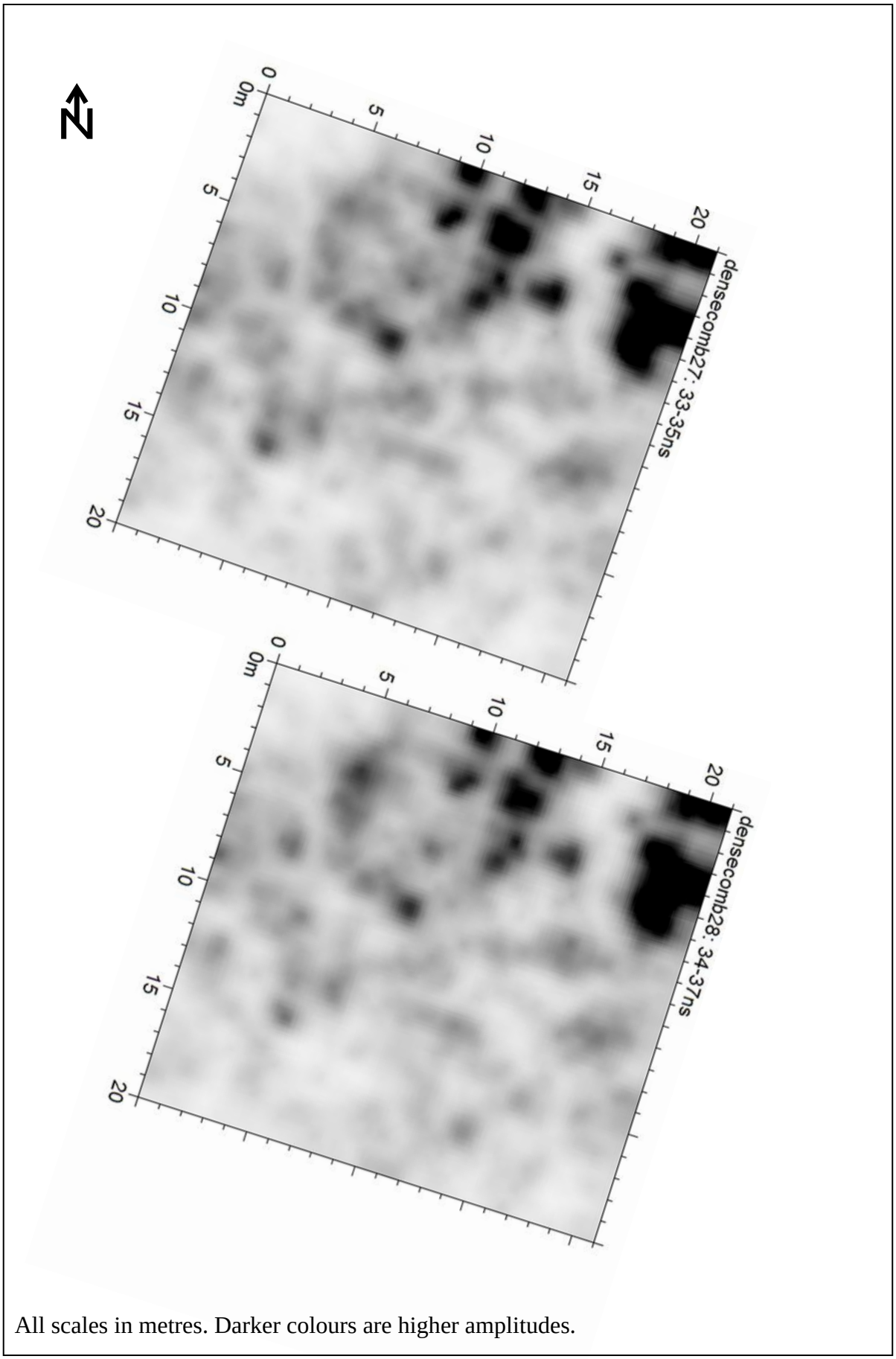
All scales in metres. Darker colours are higher amplitudes.

Figure 9.23 Canada Farm 250MHz GPR Timeslices 23 & 24



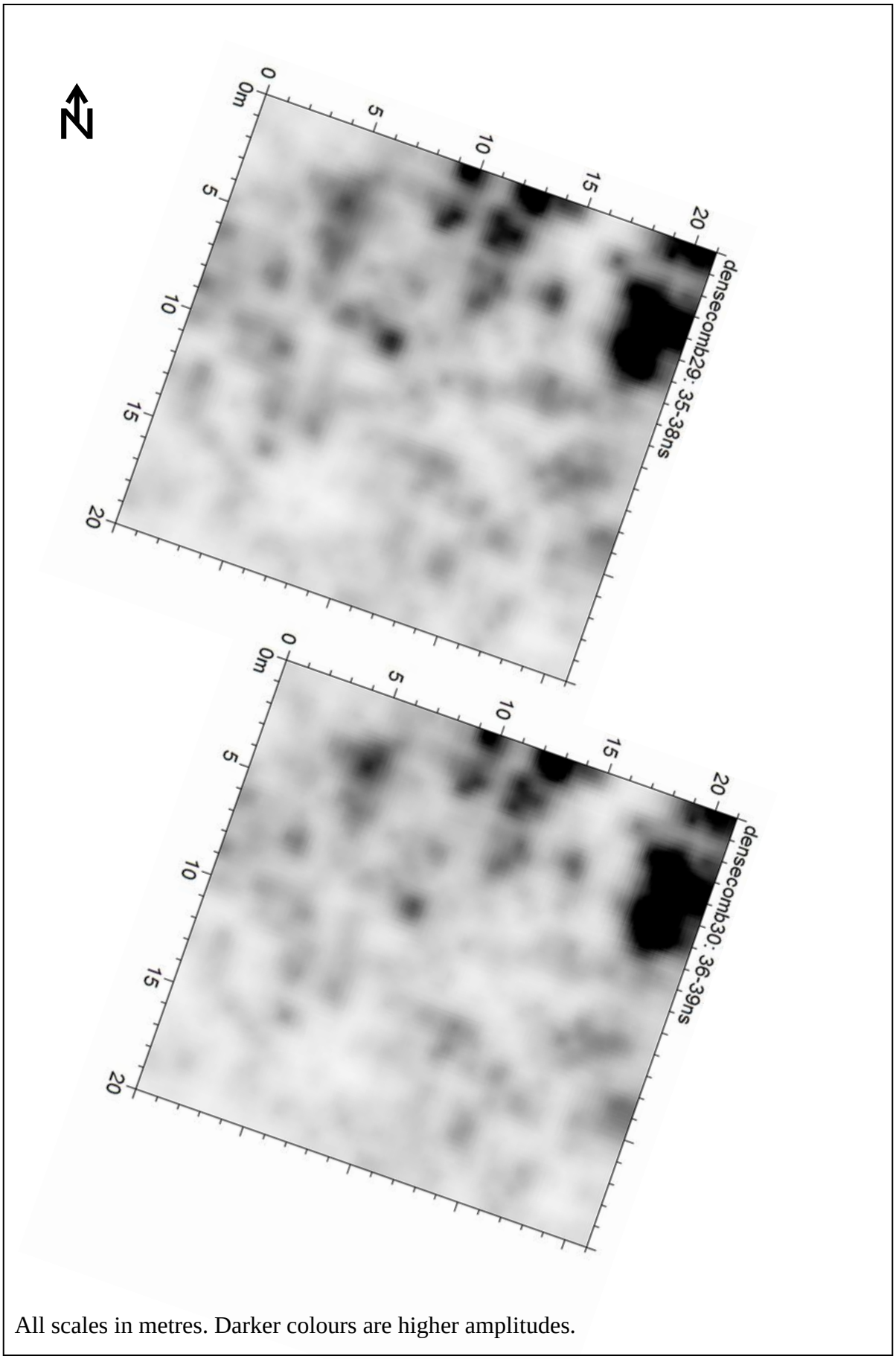
All scales in metres. Darker colours are higher amplitudes.

Figure 9.24 Canada Farm 250MHz GPR Timeslices 25 & 26



All scales in metres. Darker colours are higher amplitudes.

Figure 9.25 Canada Farm 250MHz GPR Timeslices 27 & 28



All scales in metres. Darker colours are higher amplitudes.

Figure 9.26 Canada Farm 250MHz GPR Timeslices 29 & 30

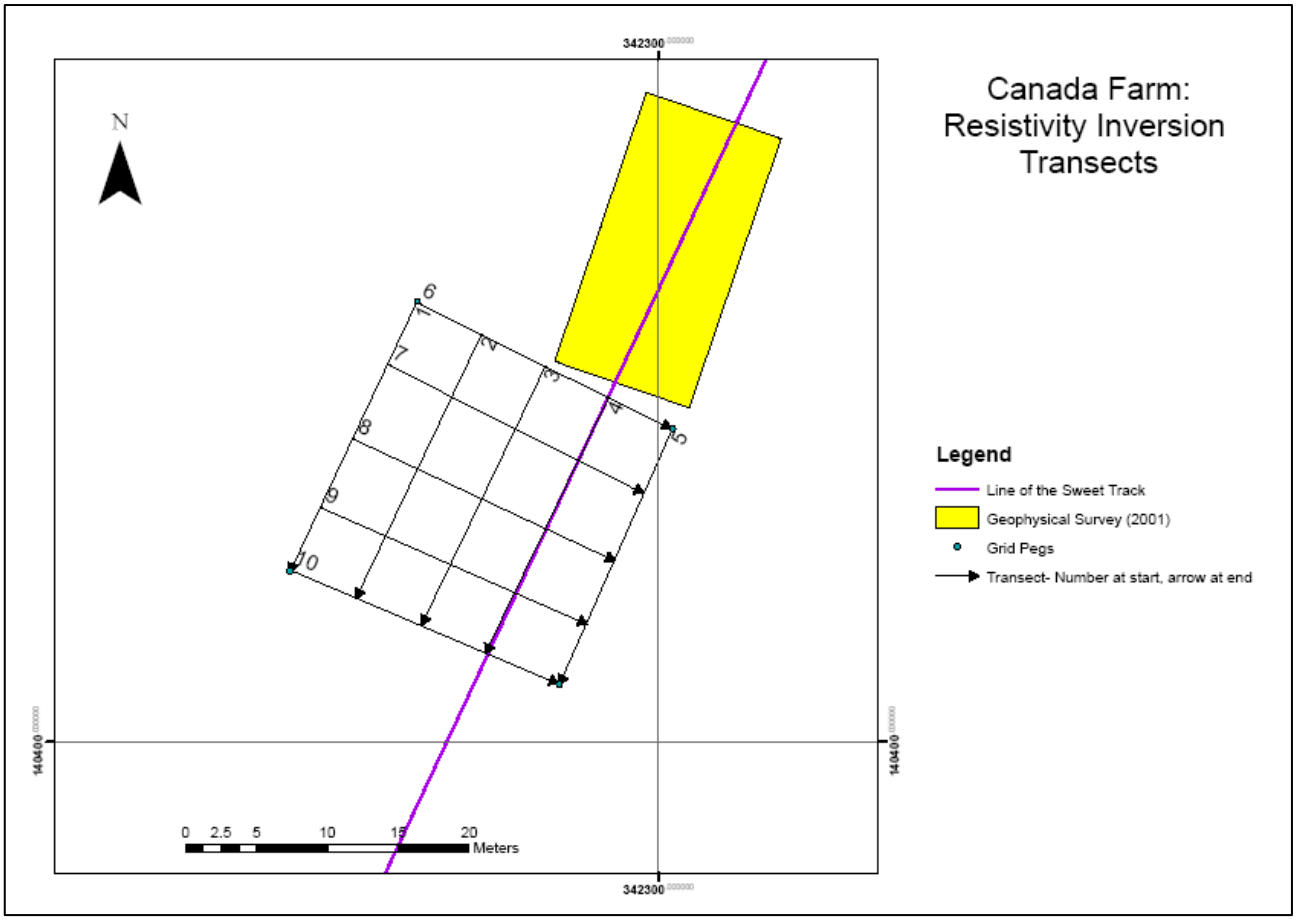


Figure 9.27: Canada Farm resistivity inversion transect map

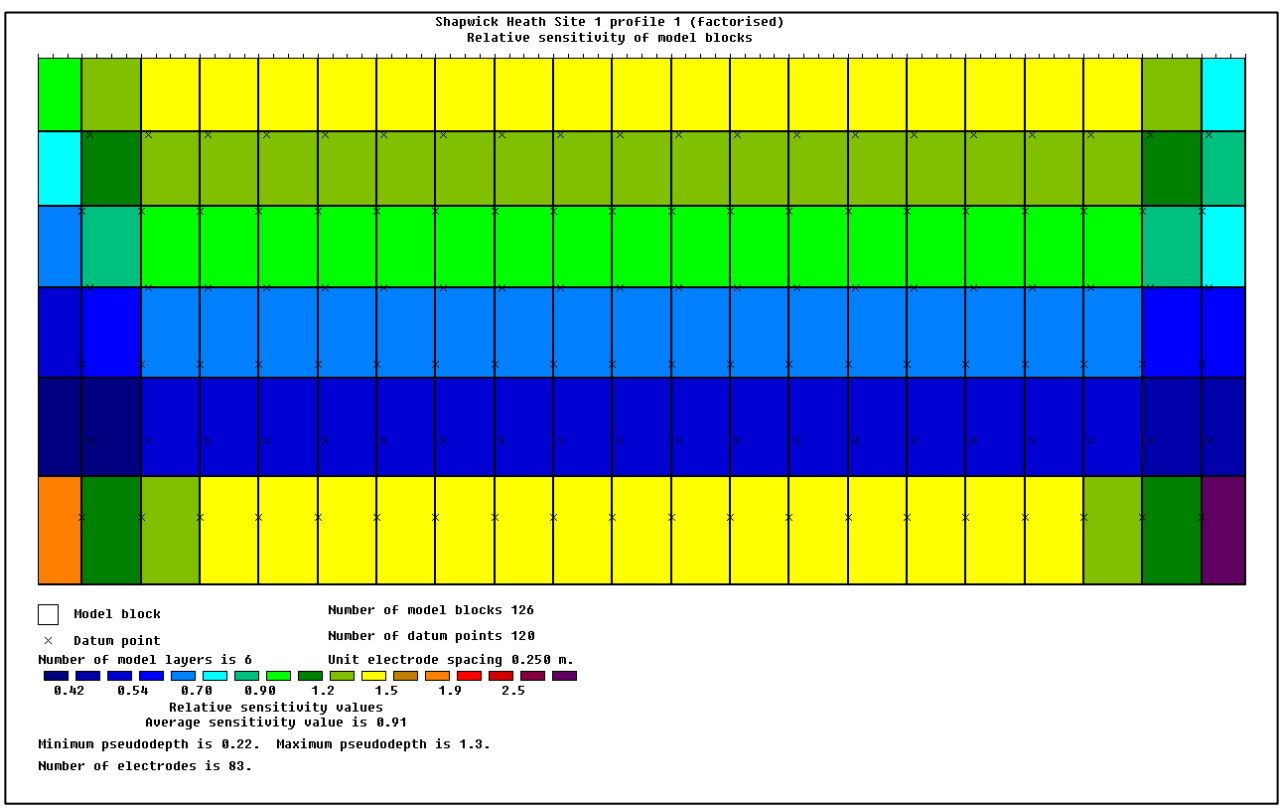


Figure 9.28 Model blocks and sensitivity map for the Canada Farm inversions

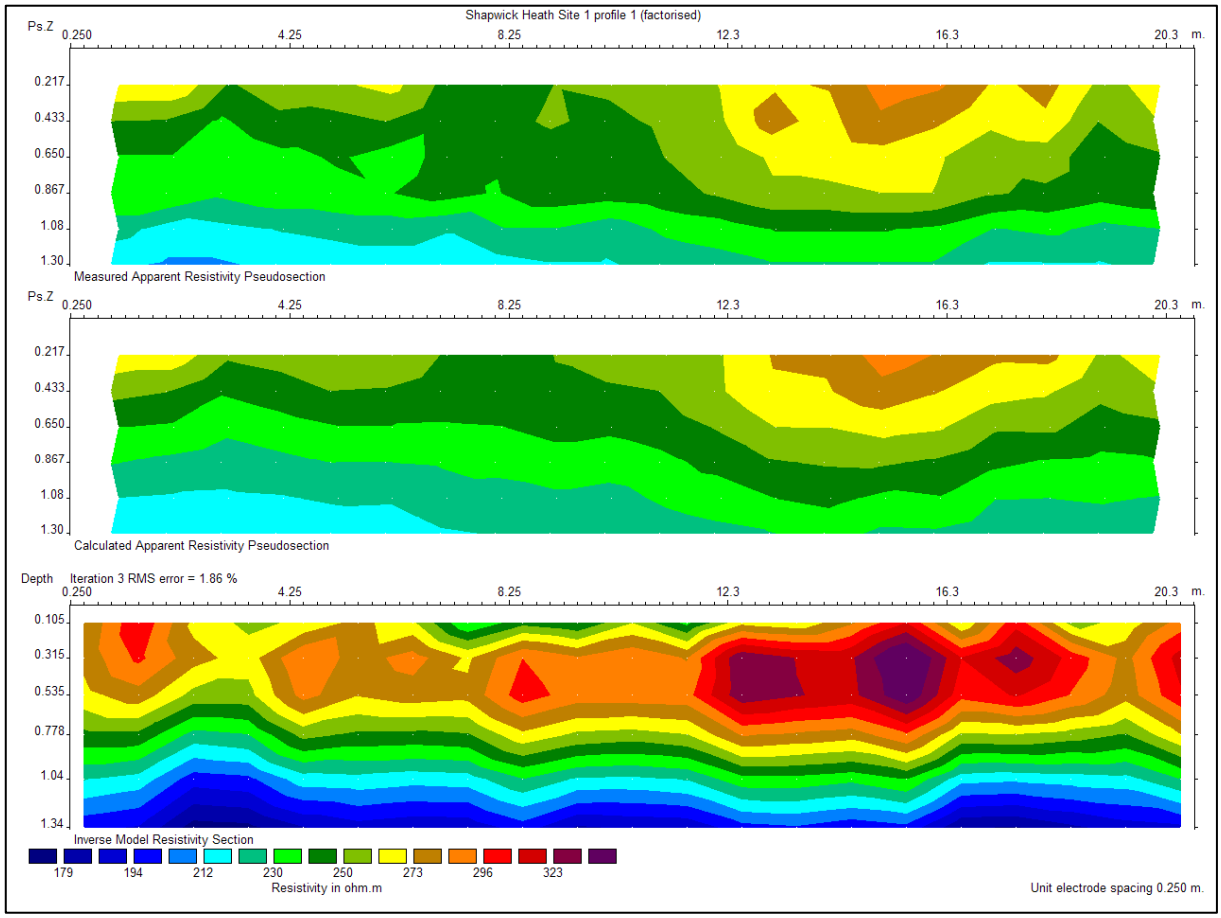


Figure 9.29 Canada Farm inversion result 1

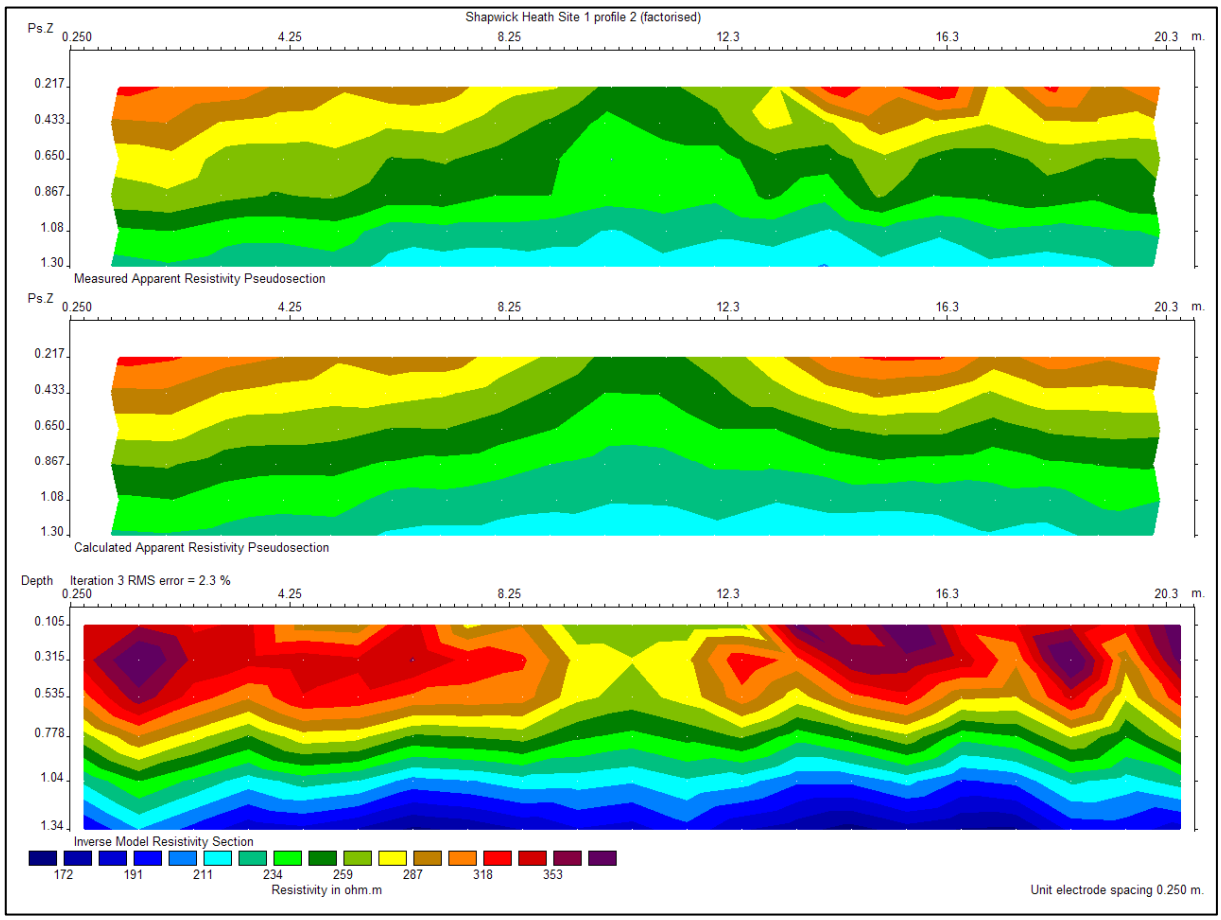


Figure 9.30 Canada Farm inversion result 2

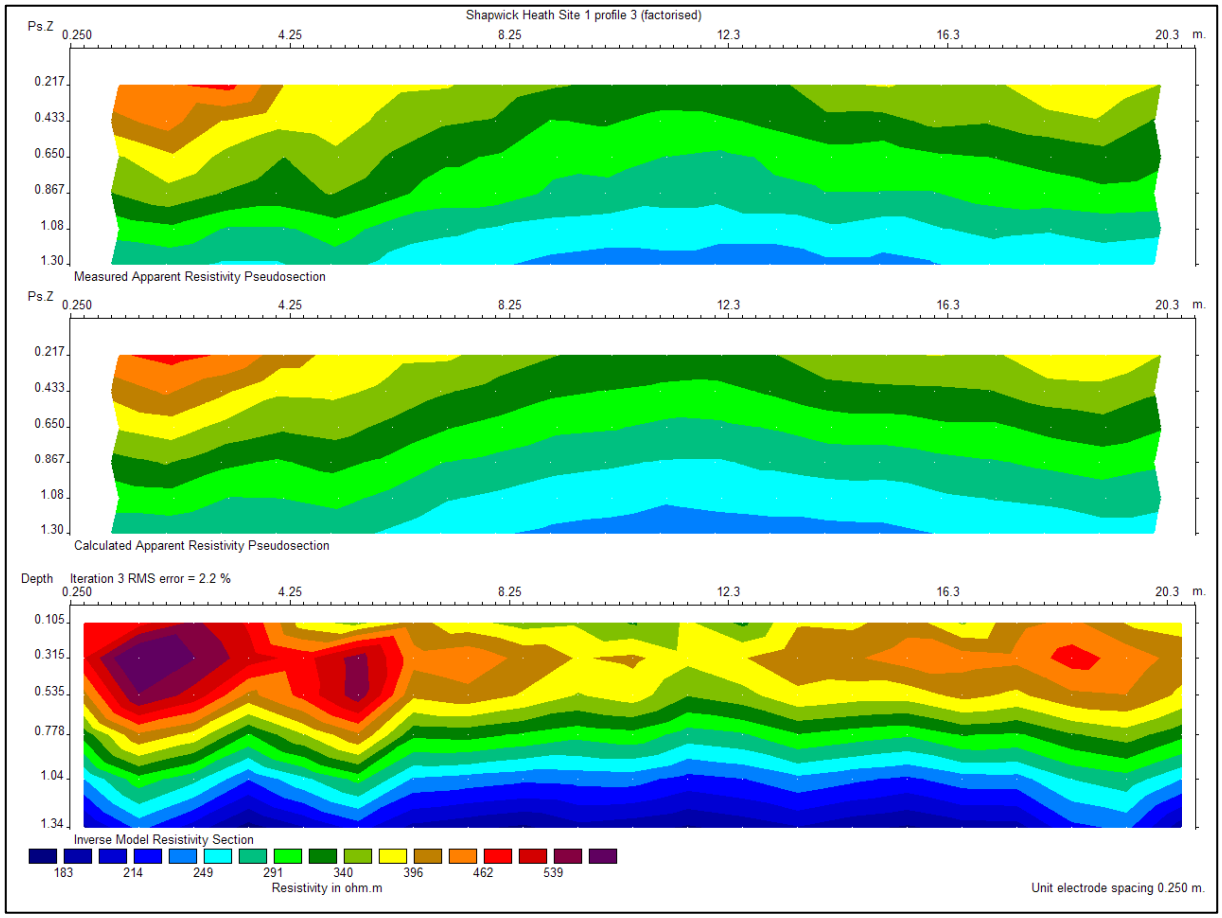


Figure 9.31 Canada Farm inversion result 3

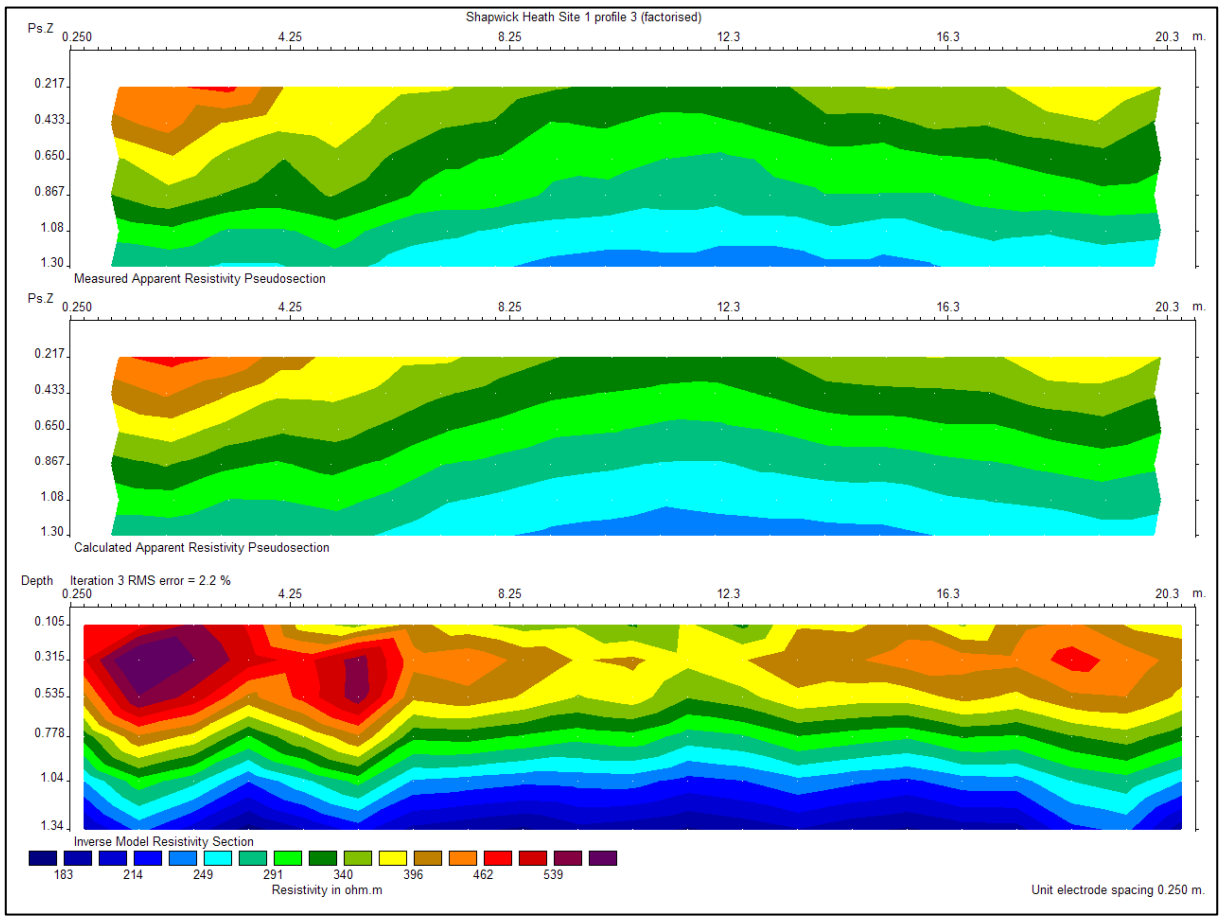


Figure 9.32 Canada Farm inversion result 4

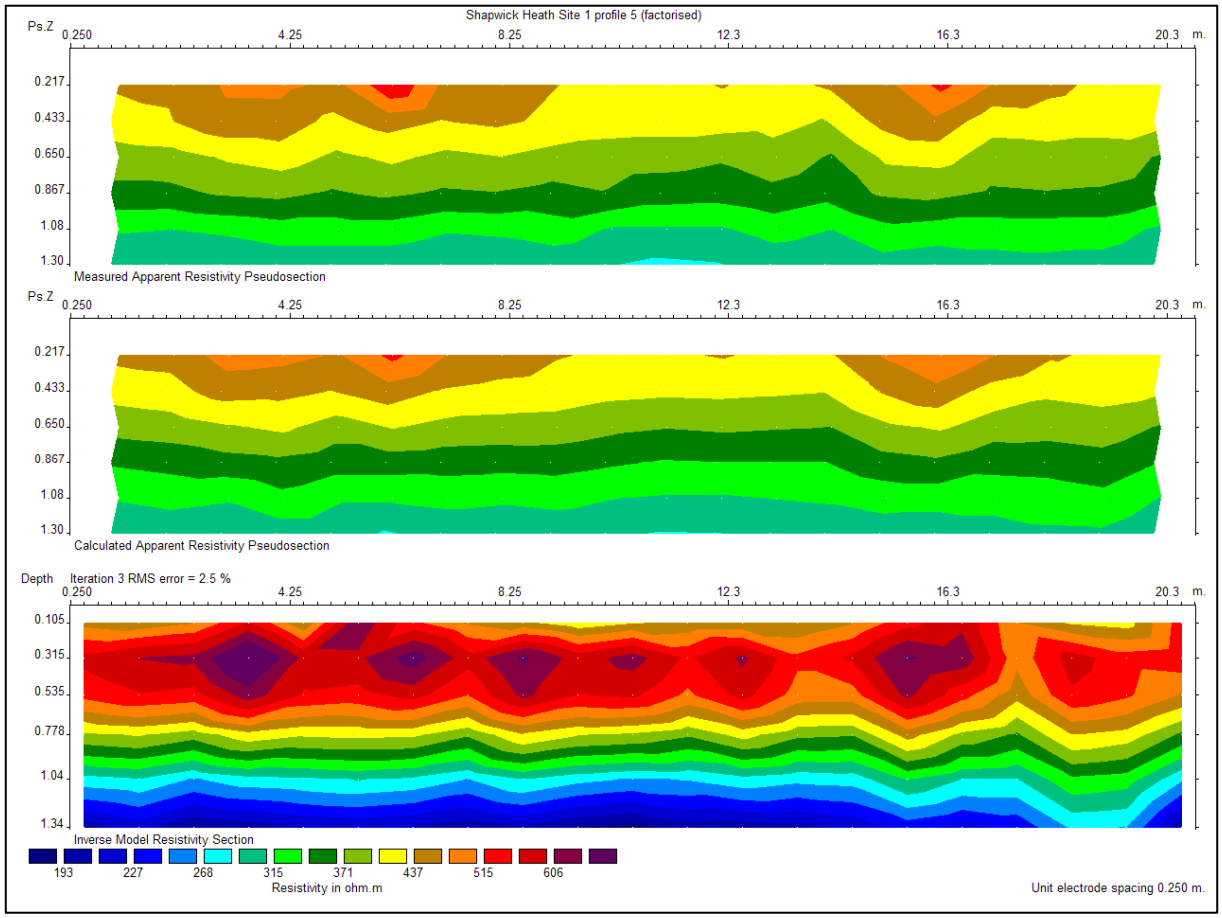


Figure 9.33 Canada Farm inversion result 5

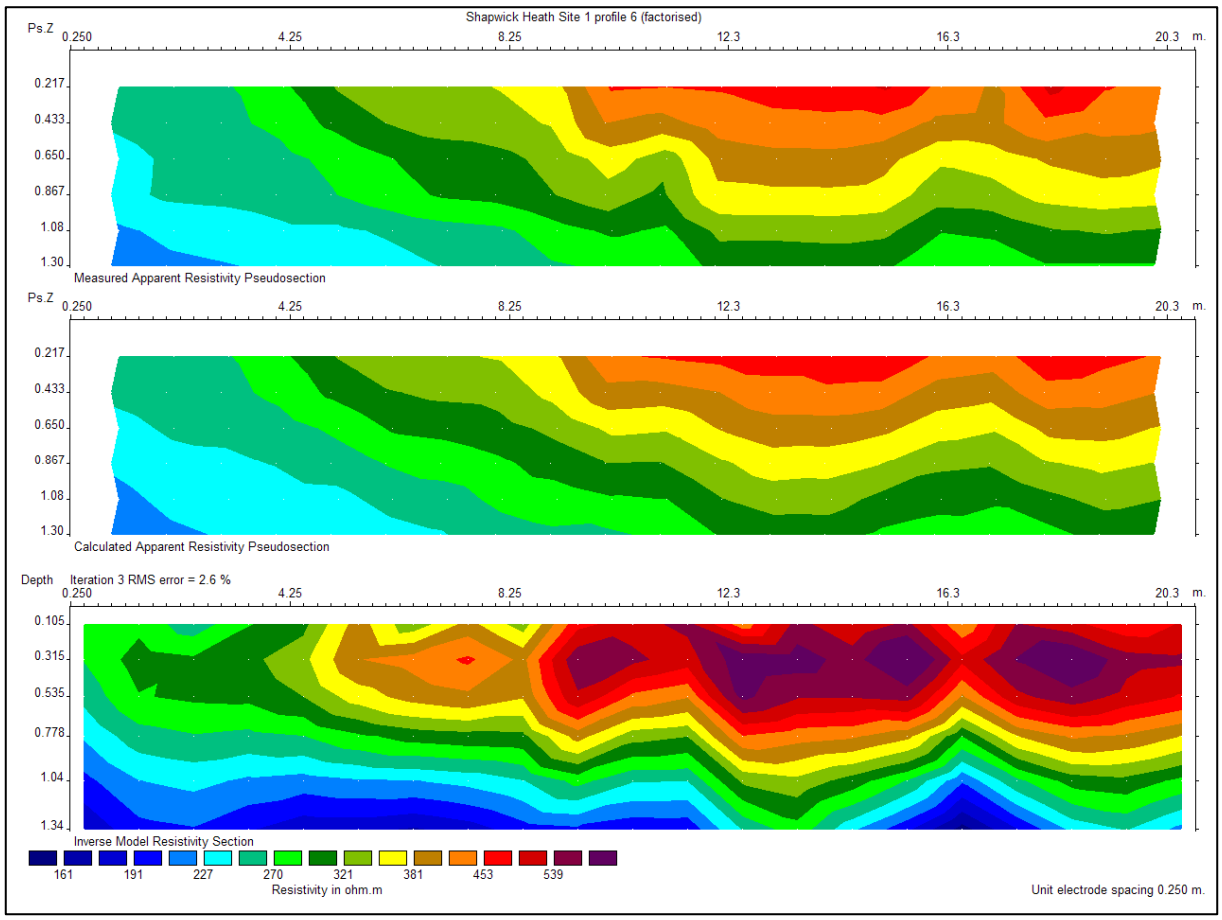


Figure 9.34 Canada Farm inversion result 6

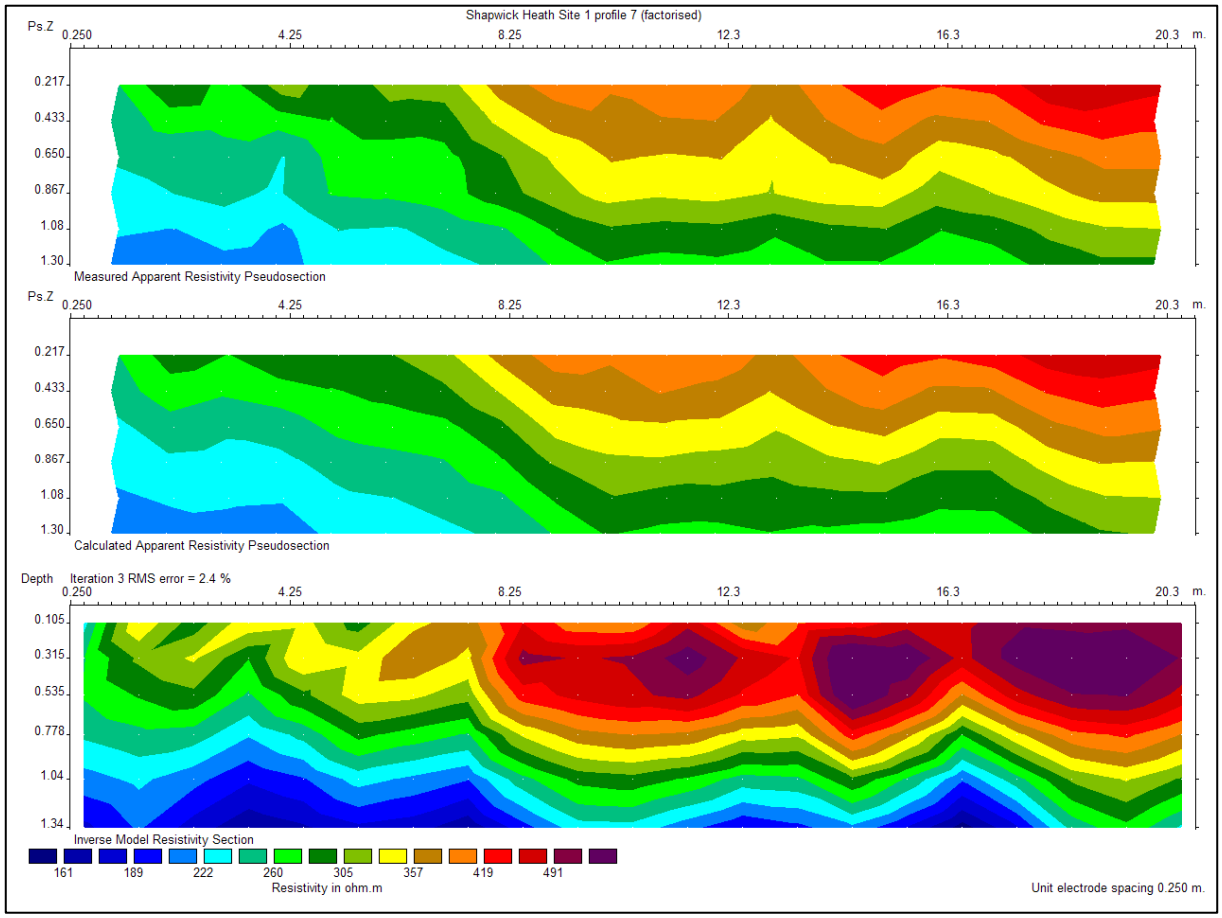


Figure 9.35 Canada Farm inversion result 7

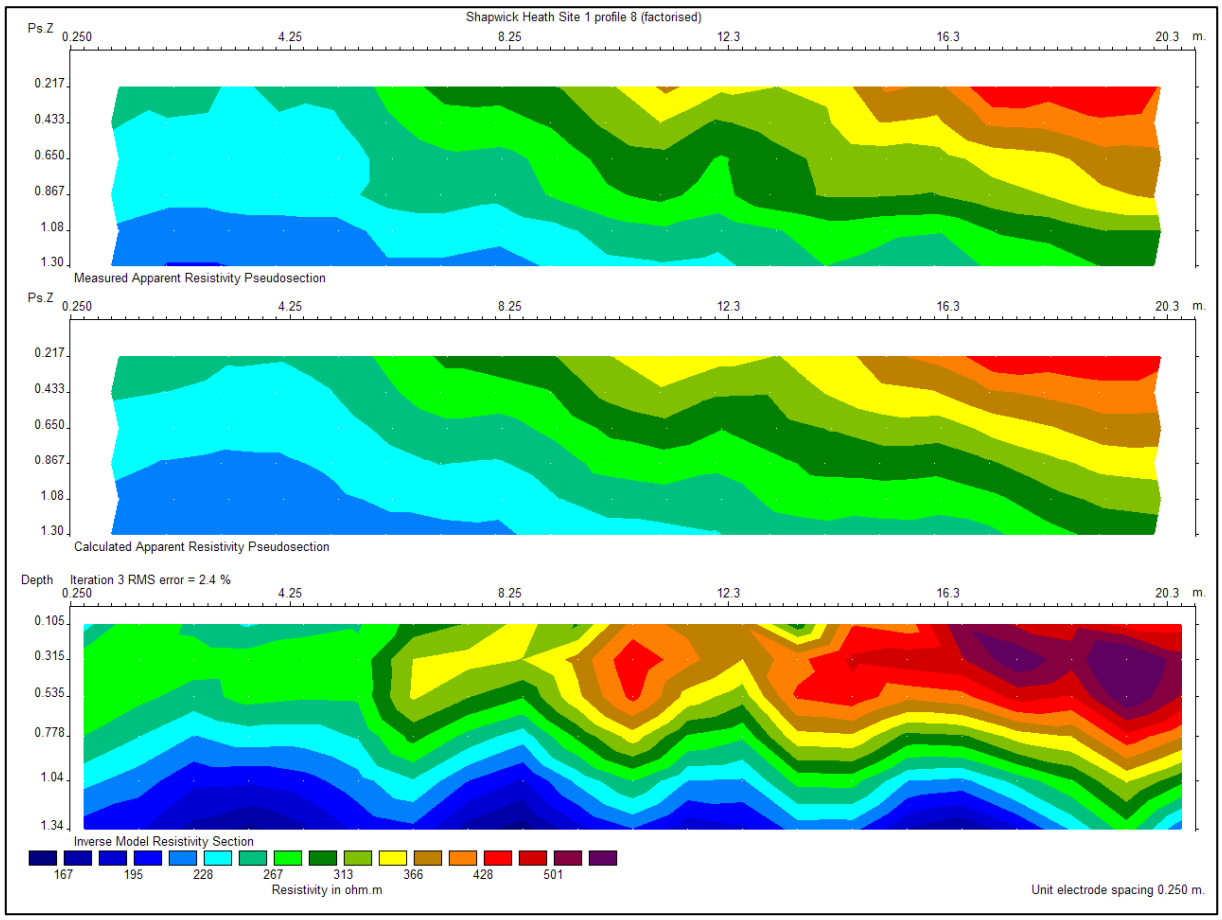


Figure 9.36 Canada Farm inversion result 8

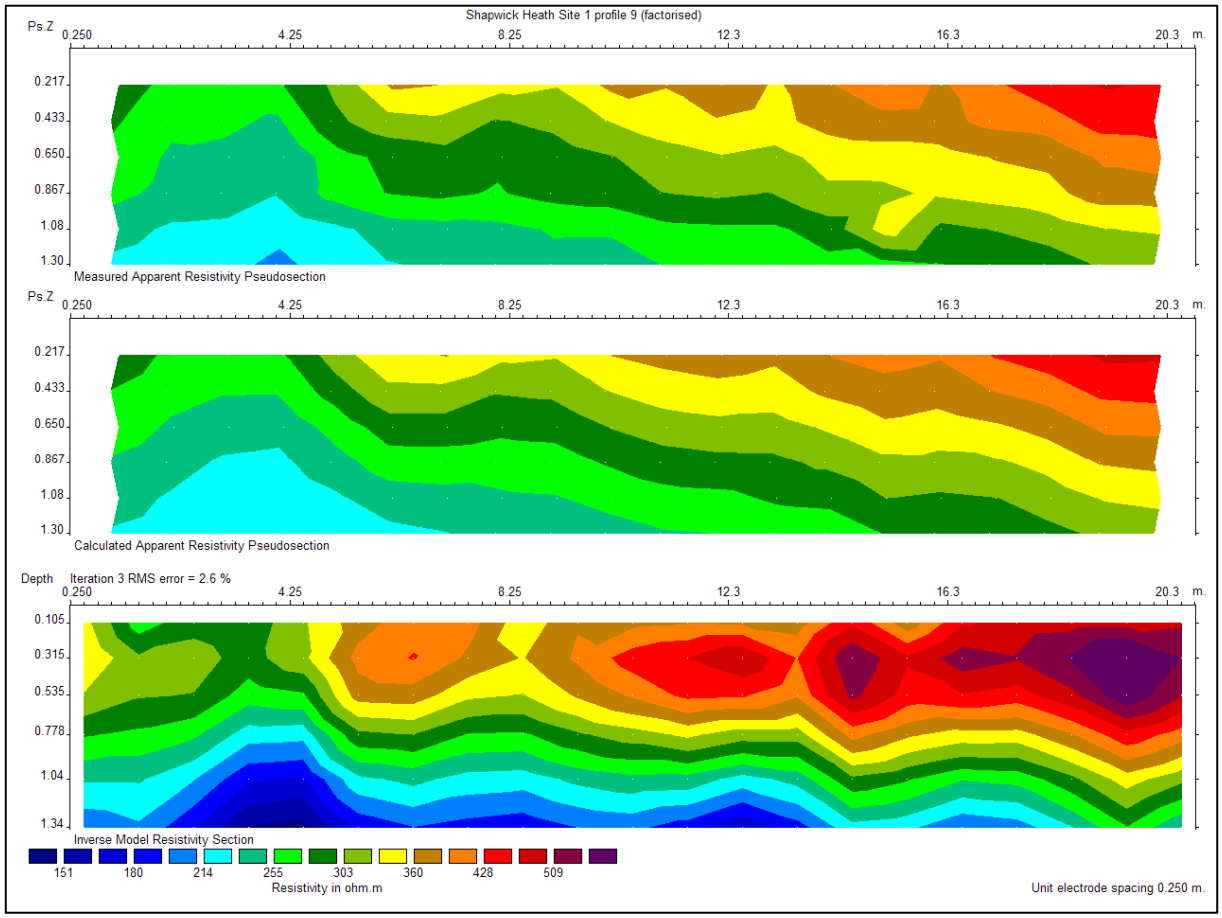


Figure 9.37 Canada Farm inversion result 9

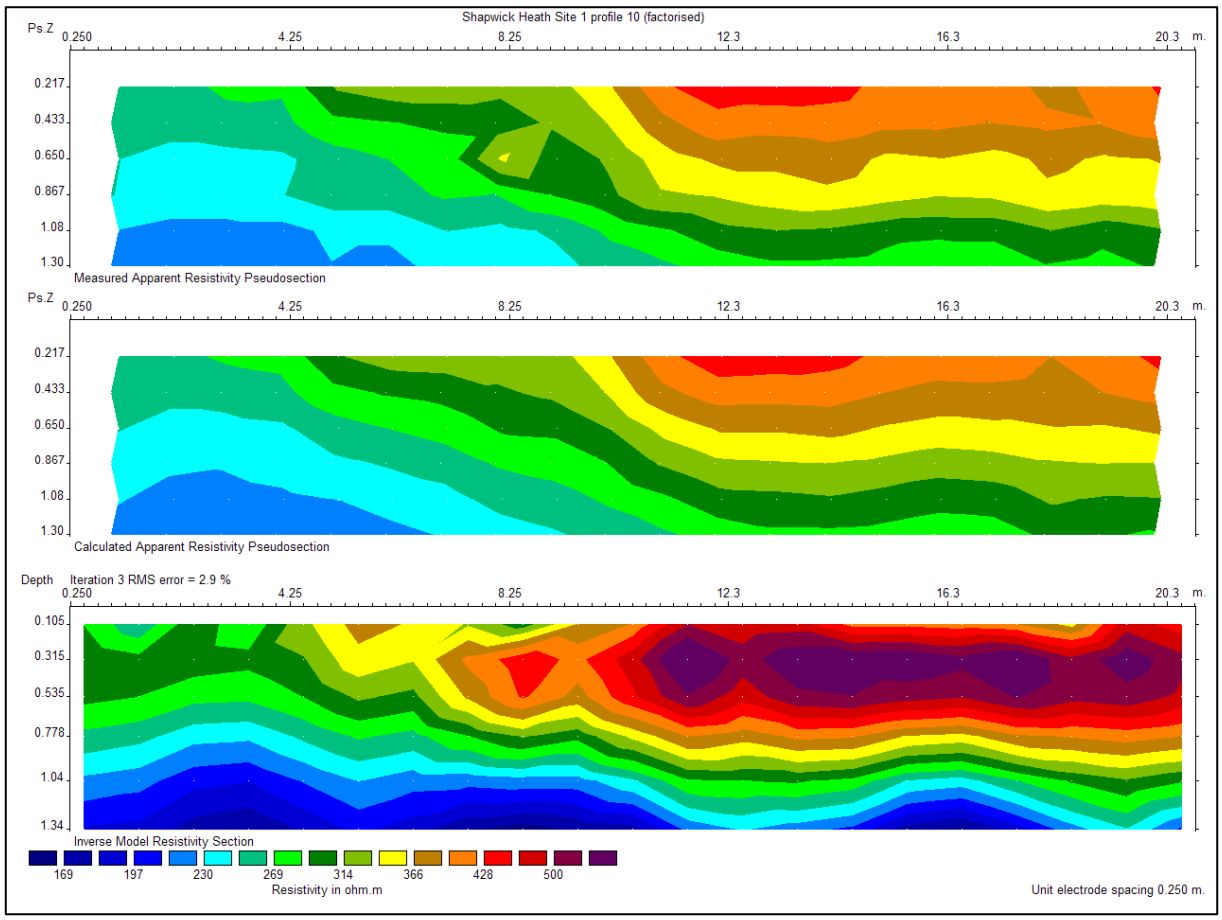


Figure 9.38 Canada Farm inversion result 10

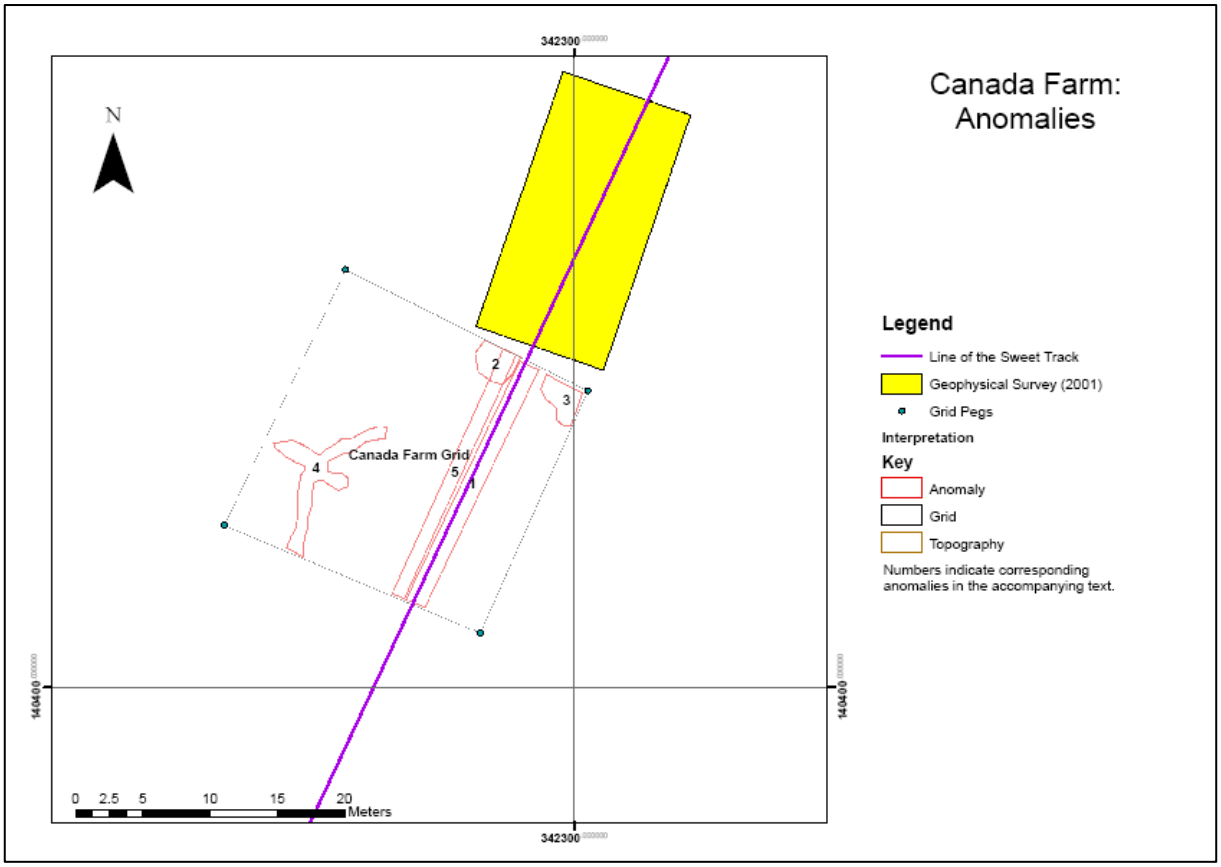


Figure 9.39: Survey interpretations for Canada Farm

Figure 9.40: Emerging bog oak, Shapwick heath (taken by the author)

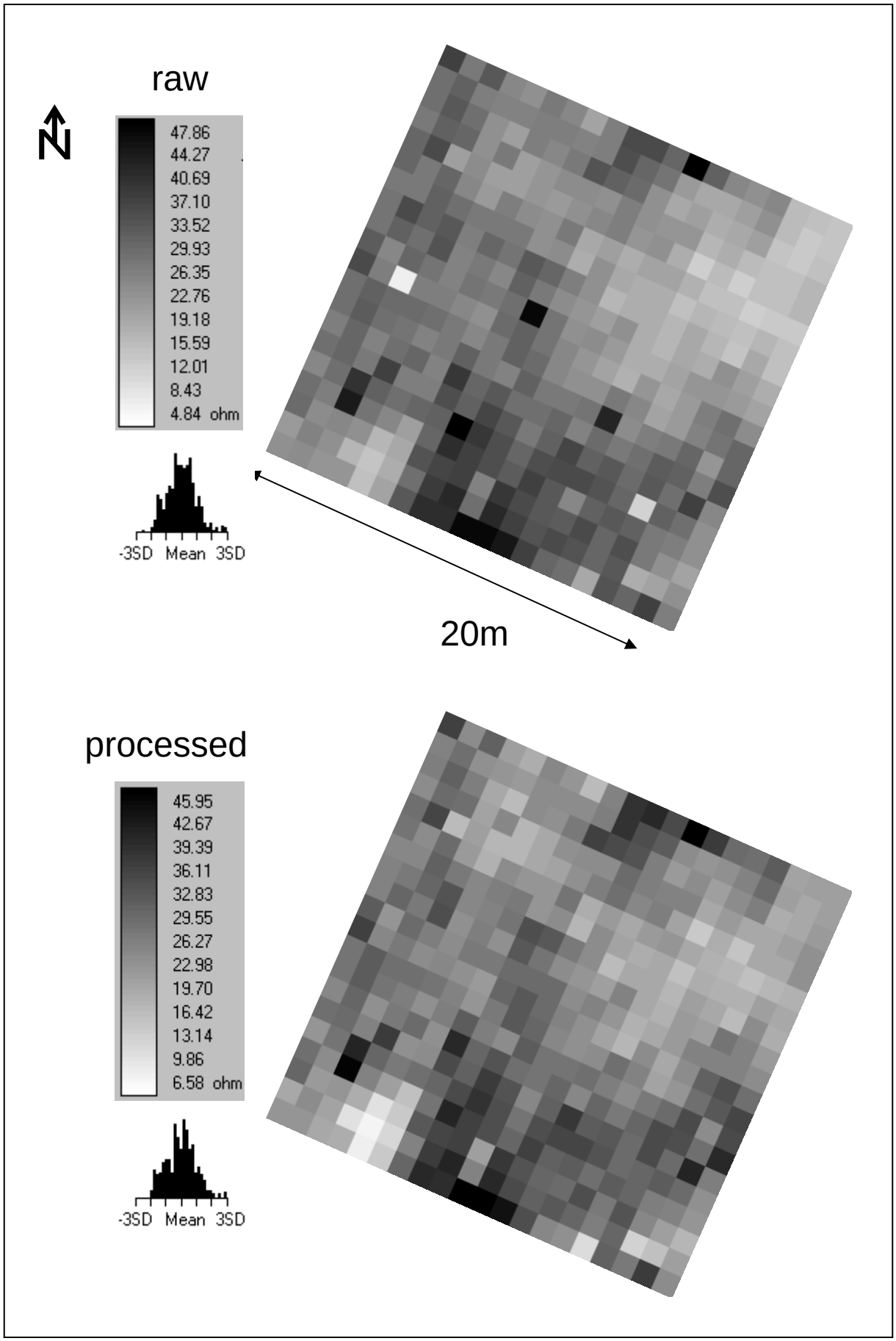


Figure 9.41: Peat Works multiplexed resistivity survey probe separation A (0.25m)
Data plotted on a 55 point grey scale, clipped at +/- 3 SD from the mean

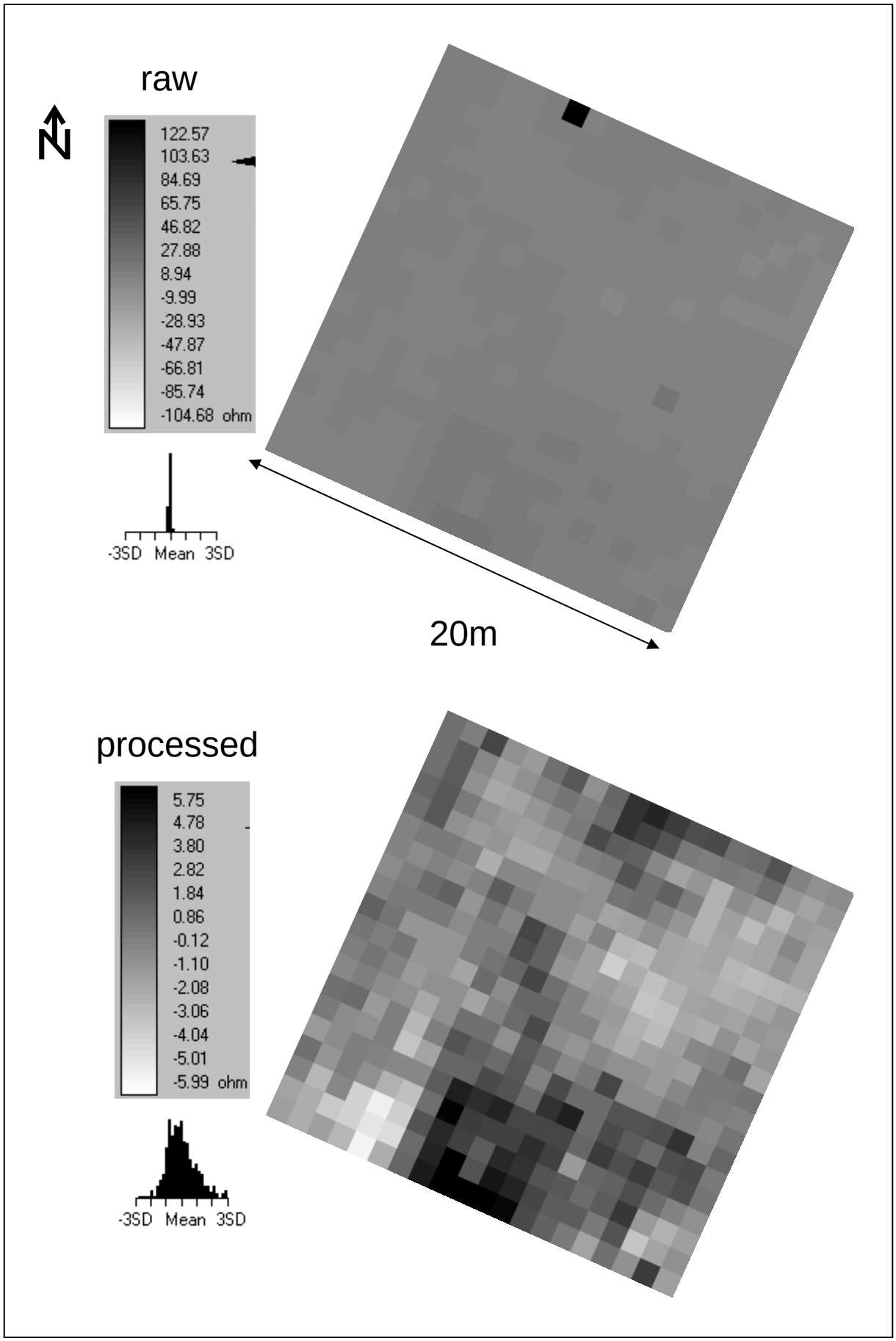


Figure 9.42: Peat Works multiplexed resistivity survey probe separation B (0.5m)
Data plotted on a 55 point grey scale, clipped at +/- 3 SD from the mean

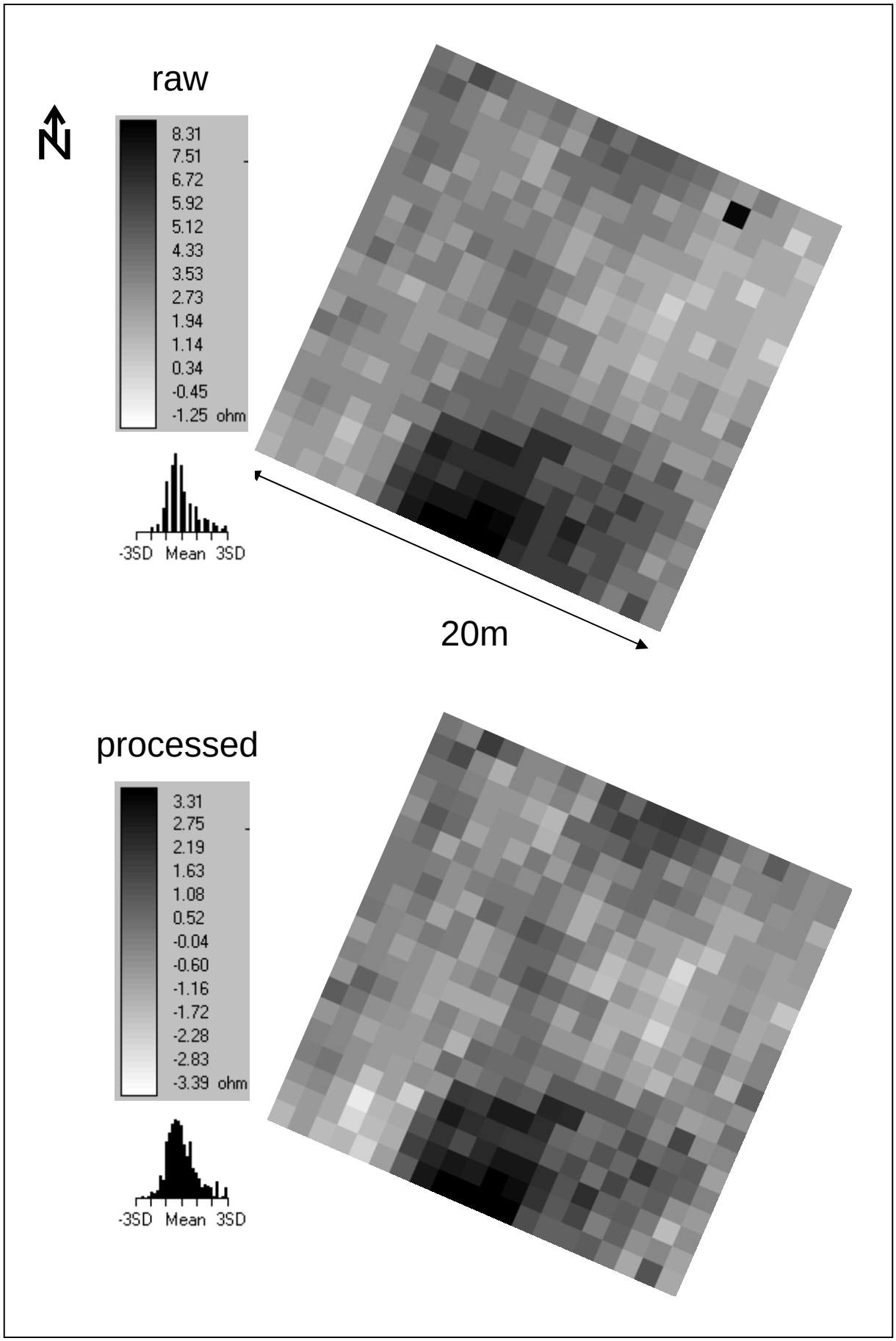


Figure 9.43: Peat Works multiplexed resistivity survey probe separation C (0.75m)
Data plotted on a 55 point grey scale, clipped at +/- 3 SD from the mean

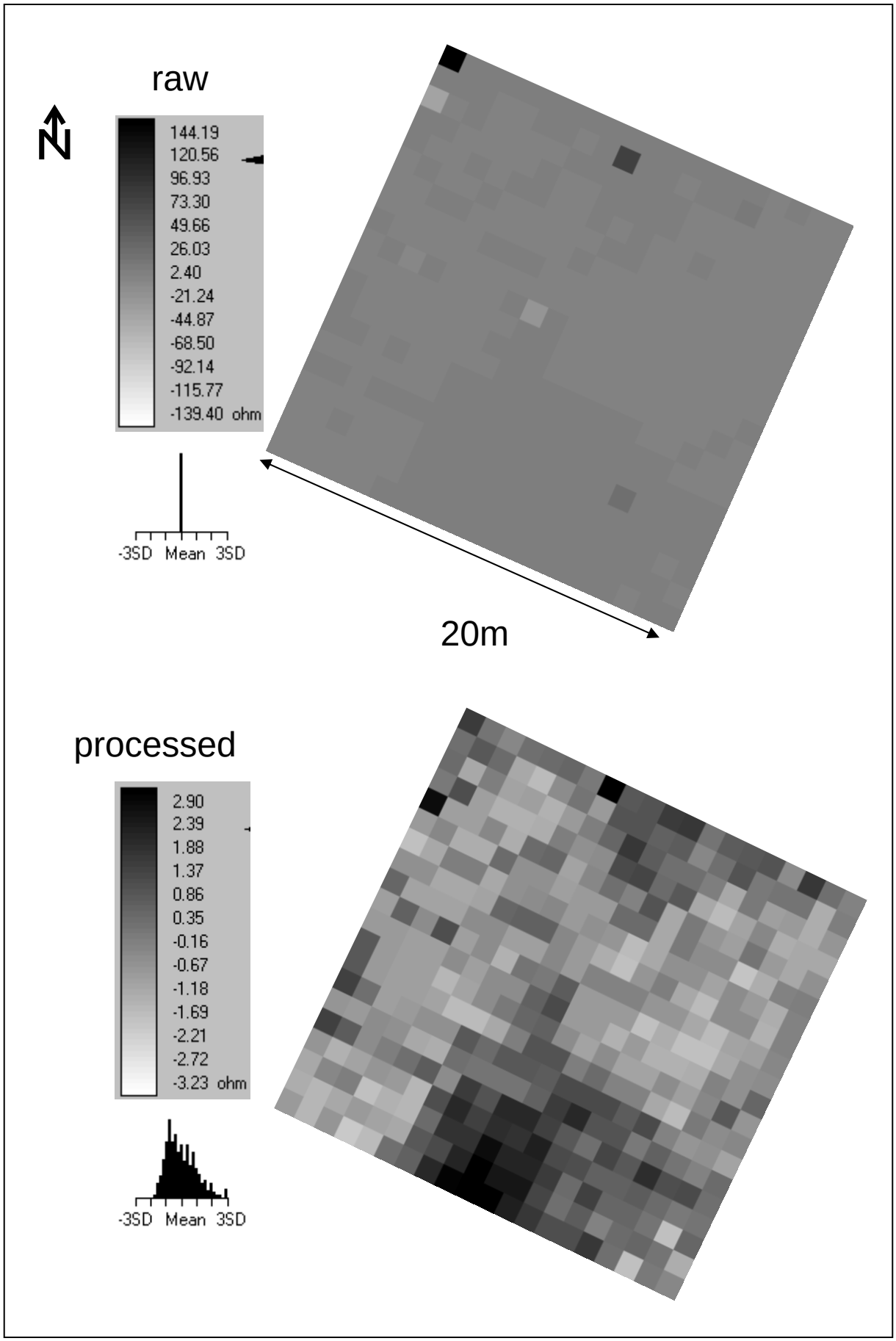


Figure 9.44: Peat Works multiplexed resistivity survey probe separation D (1.0m)
Data plotted on a 55 point grey scale, clipped at +/- 3 SD from the mean

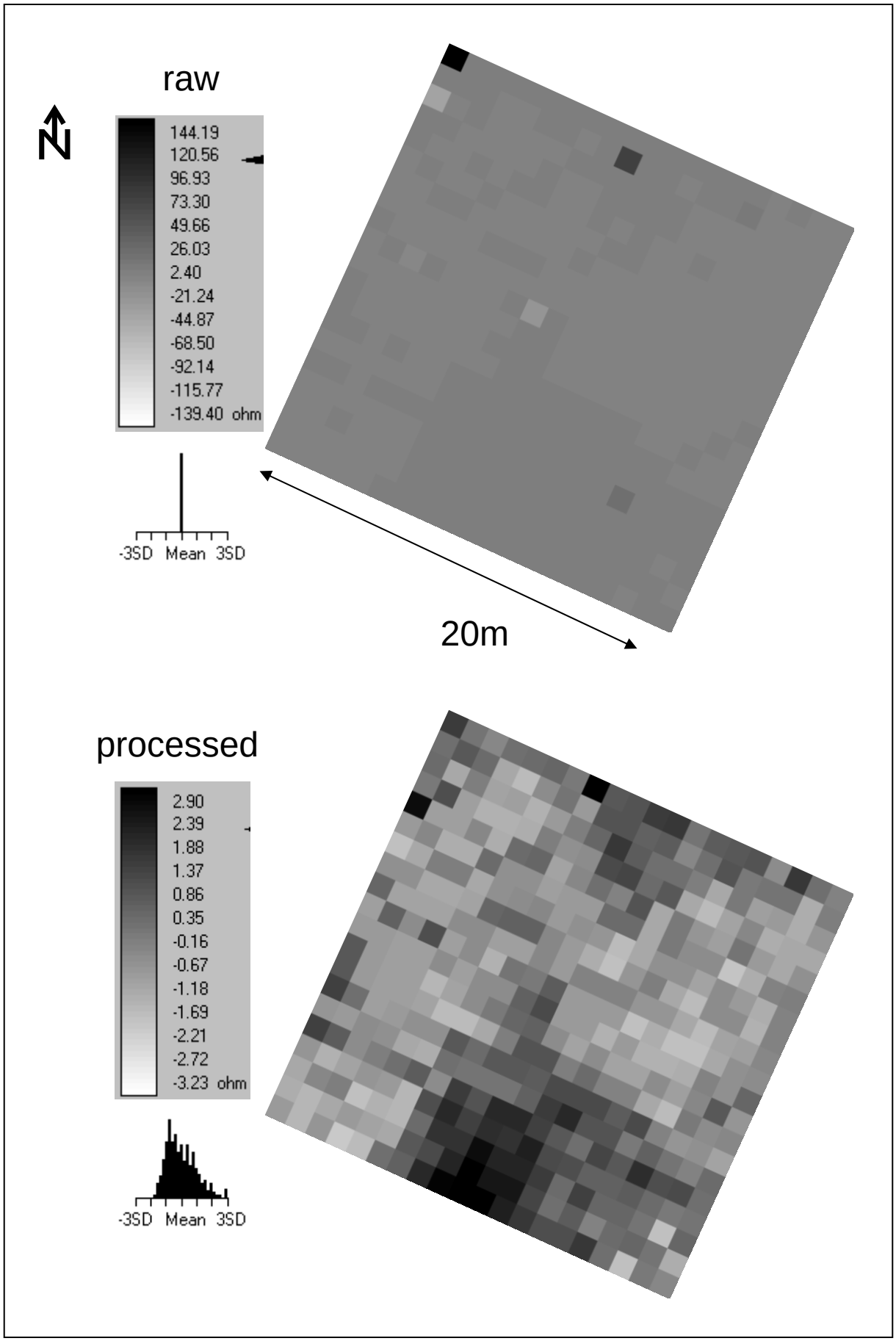


Figure 9.44: Peat Works multiplexed resistivity survey probe separation D (1.0m)
Data plotted on a 55 point grey scale, clipped at +/- 3 SD from the mean

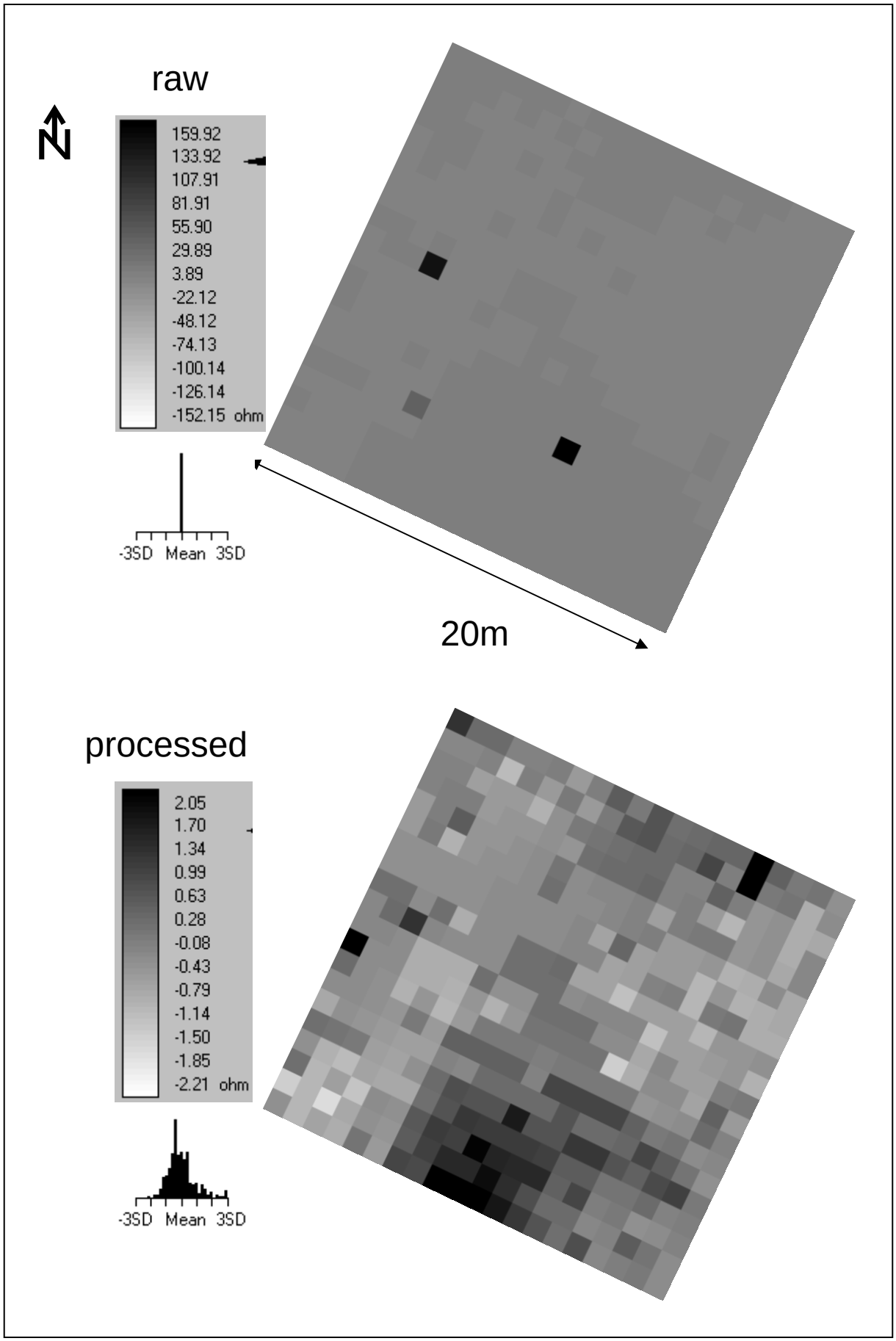


Figure 9.45: Peat Works multiplexed resistivity survey probe separation E (1.25m)
Data plotted on a 55 point grey scale, clipped at +/- 3 SD from the mean

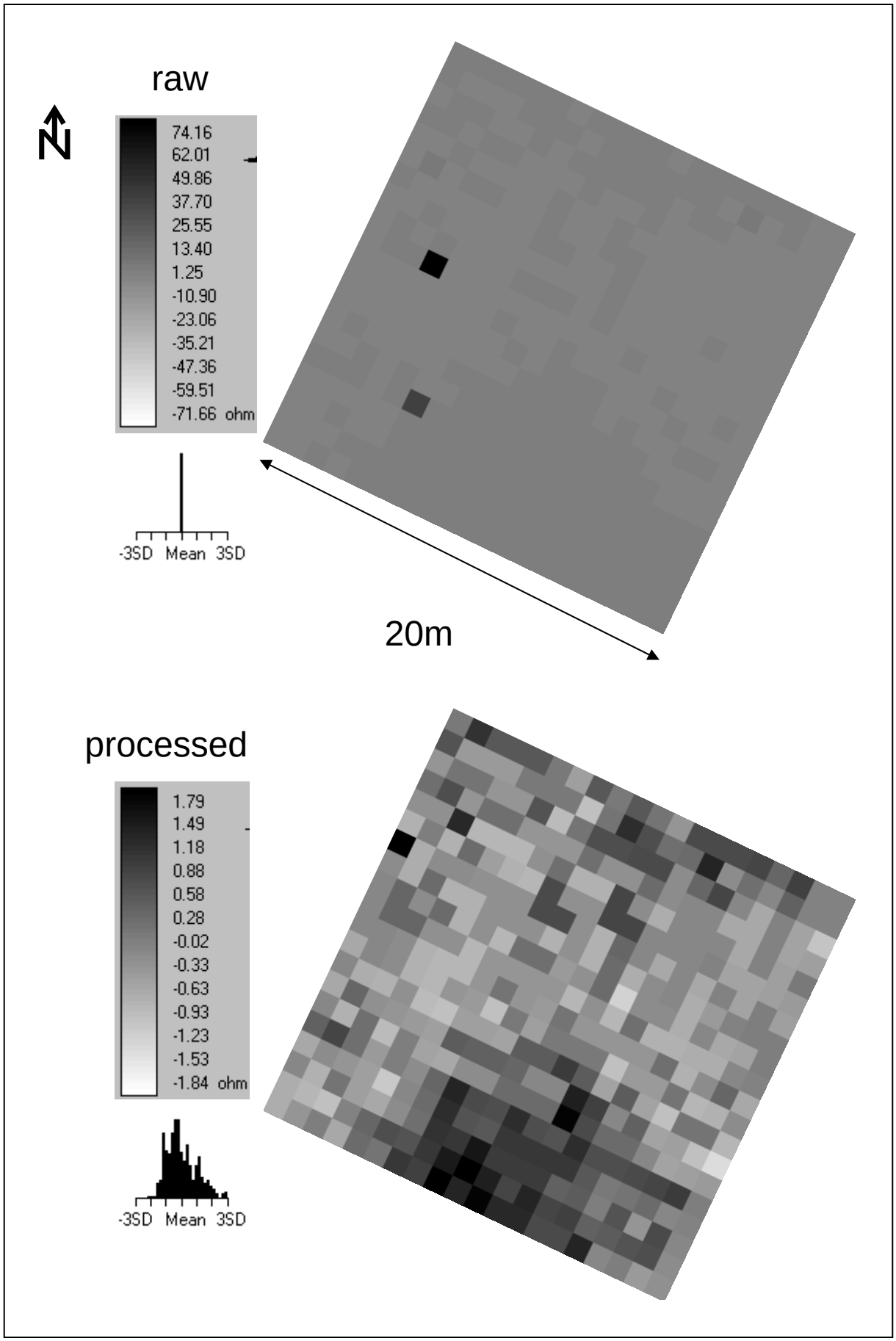


Figure 9.46: Peat Works multiplexed resistivity survey probe separation F (1.5m)
Data plotted on a 55 point grey scale, clipped at +/- 3 SD from the mean

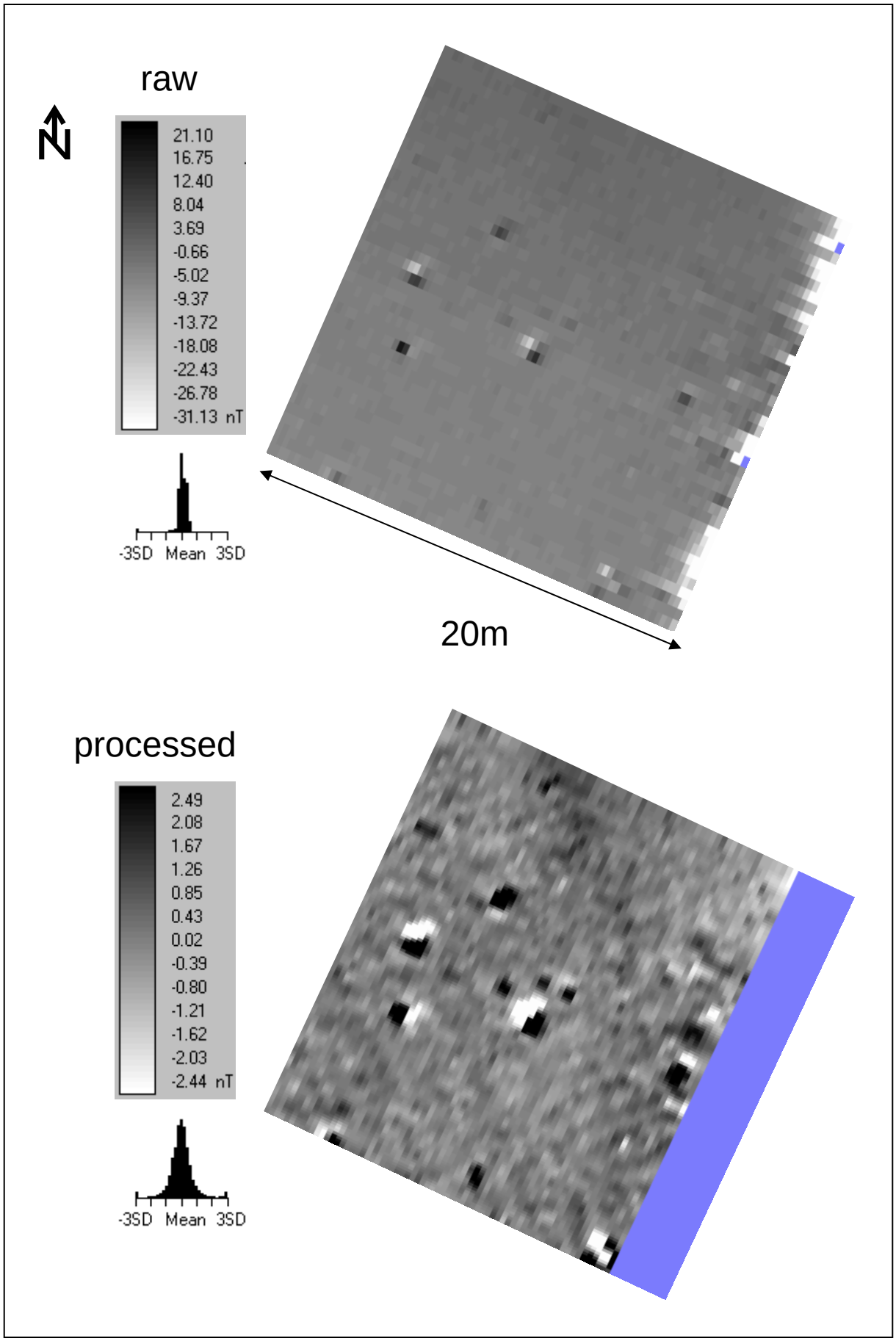


Figure 9.47: Peat Works Gradiometer survey
Data plotted on a 55 point grey scale, clipped at +/- 3 SD from the mean

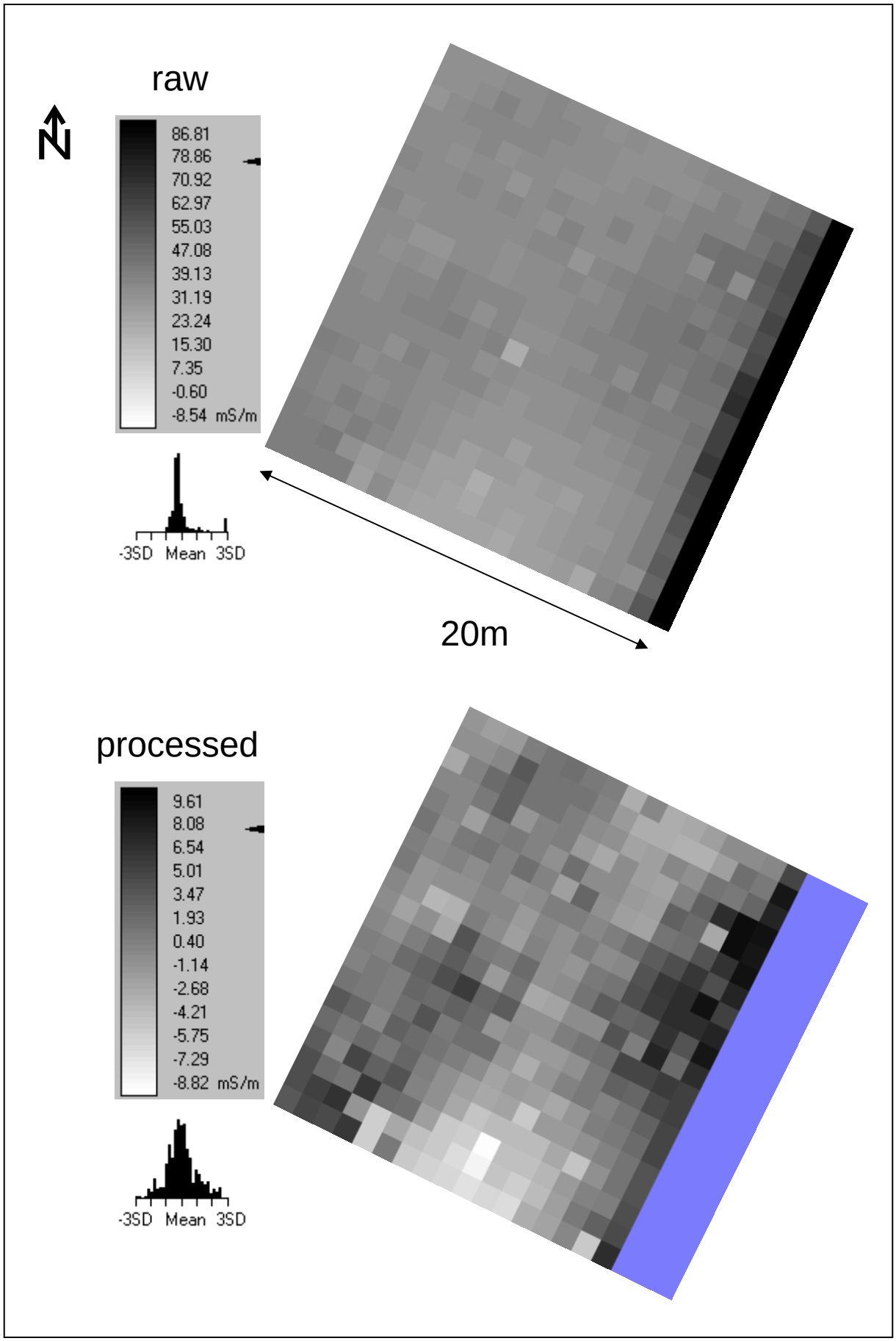


Figure 9.48: Peat Works Vertical EM quadrature phase survey
Data plotted on a 55 point grey scale, clipped at +/- 3 SD from the mean

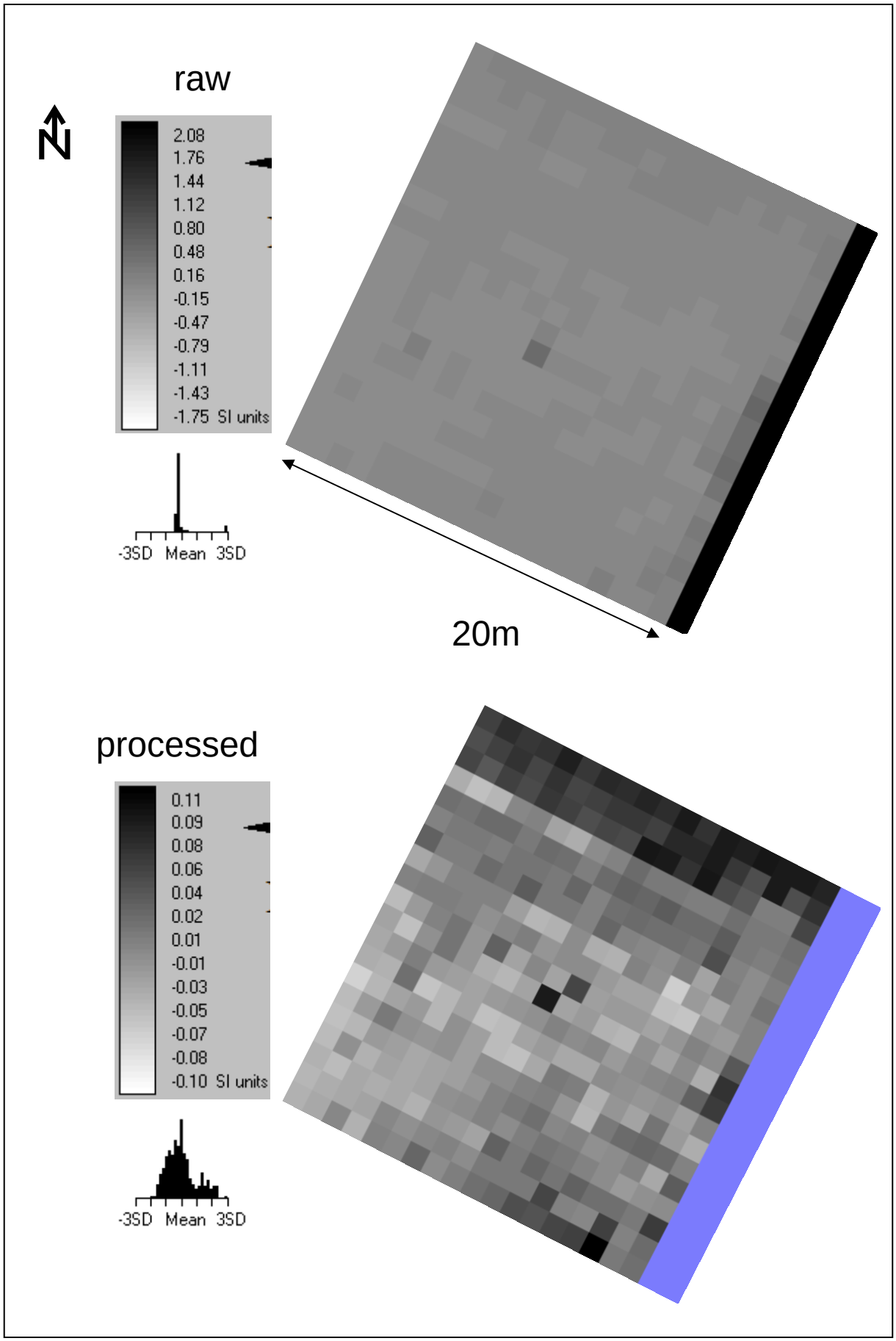


Figure 9.49: Peat Works Vertical EM inphase survey
Data plotted on a 55 point grey scale, clipped at +/- 3 SD from the mean

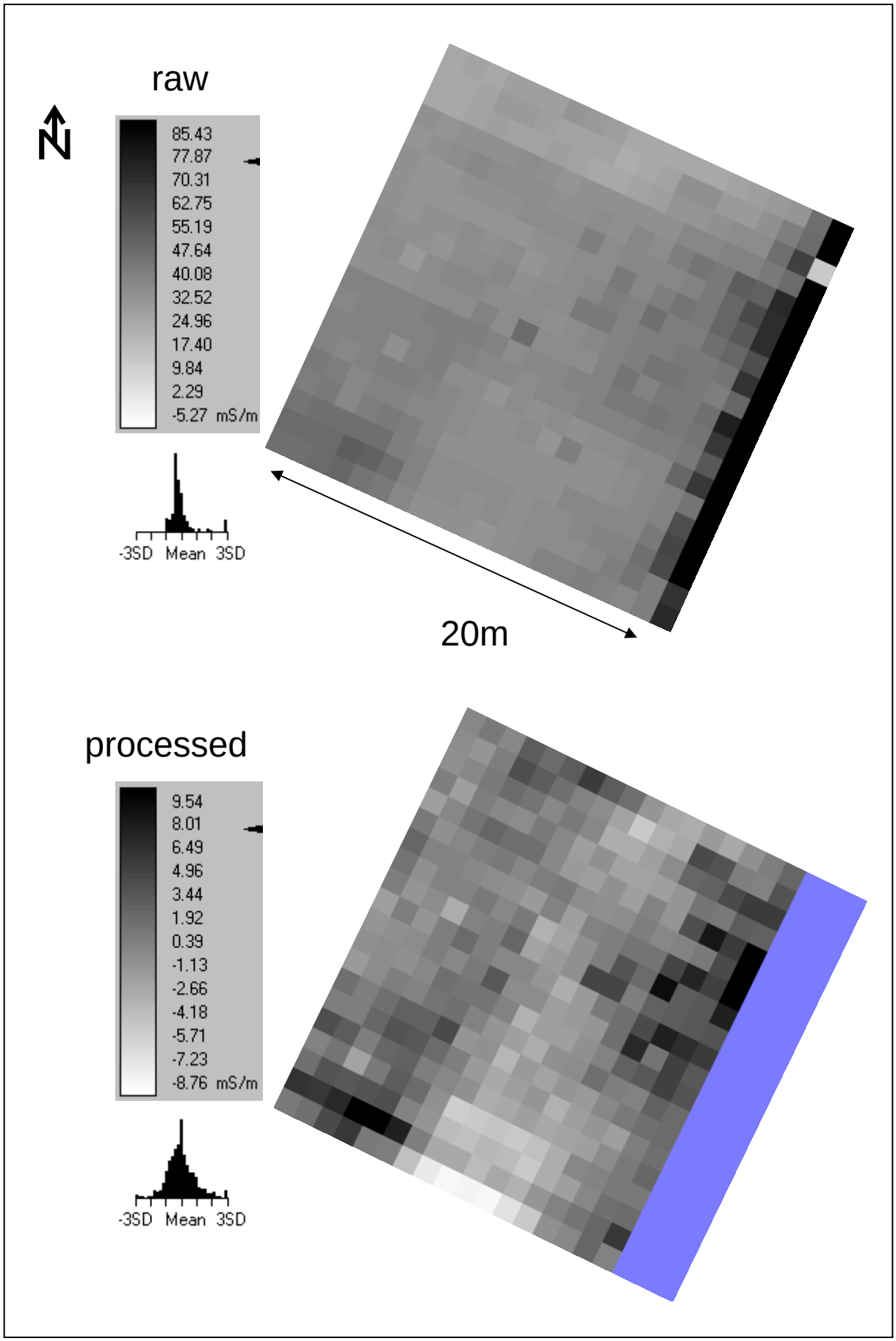


Figure 9.50: Peat Works Horizontal EM quadrature phase survey
Data plotted on a 55 point grey scale, clipped at +/- 3 SD from the mean

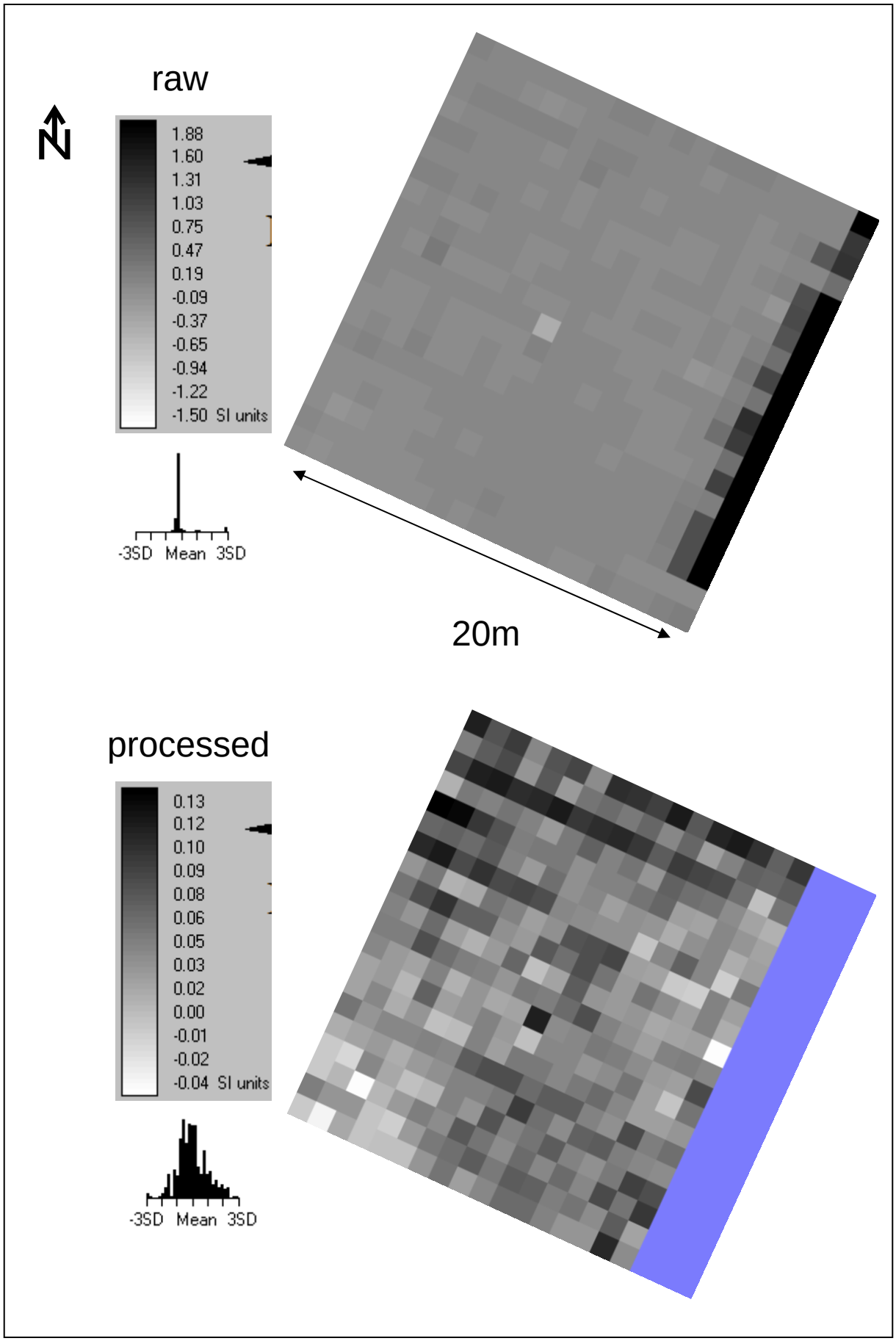
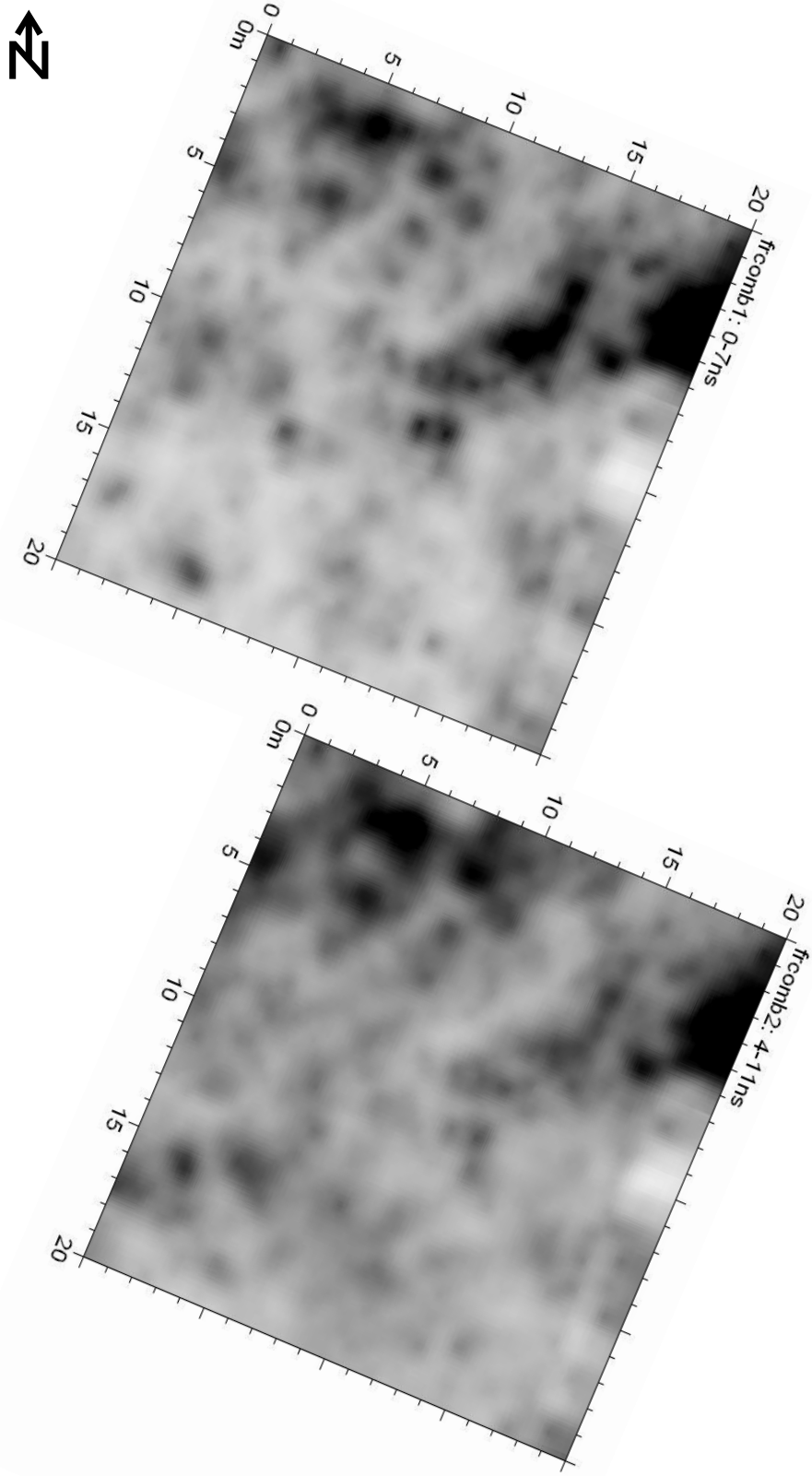


Figure 9.51: Peat Works Horizontal EM inphase survey
Data plotted on a 55 point grey scale, clipped at +/- 3 SD from the mean

Timeslice:	Time Window (ns)	Estimated Depth (m)
1	0.-7.38	0.-0.26
2	4.-11.39	0.14-0.4
3	8.01-15.39	0.28-0.54
4	12.01-19.4	0.42-0.68
5	16.02-23.4	0.56-0.82
6	20.02-27.41	0.7-0.96
7	24.02-31.41	0.84-1.1
8	28.03-35.41	0.98-1.24
9	32.03-39.42	1.12-1.38
10	36.04-43.42	1.26-1.52
11	40.04-47.43	1.4-1.66
12	44.05-51.43	1.54-1.8
13	48.05-55.43	1.68-1.94
14	52.05-59.44	1.82-2.08
15	56.06-63.44	1.96-2.22
16	60.06-67.45	2.1-2.36
17	64.07-71.45	2.24-2.5
18	68.07-75.45	2.38-2.64
19	72.07-79.46	2.52-2.78
20	76.08-83.46	2.66-2.92
21	80.08-87.47	2.8-3.06
22	84.09-91.47	2.94-3.2
23	88.09-95.47	3.08-3.34
24	92.09-99.48	3.22-3.48
25	96.1-103.48	3.36-3.62
26	100.1-107.49	3.5-3.76
27	104.11-111.49	3.64-3.9
28	108.11-115.5	3.78-4.04
29	112.11-119.5	3.92-4.18
30	116.12-120.12	4.06-4.2

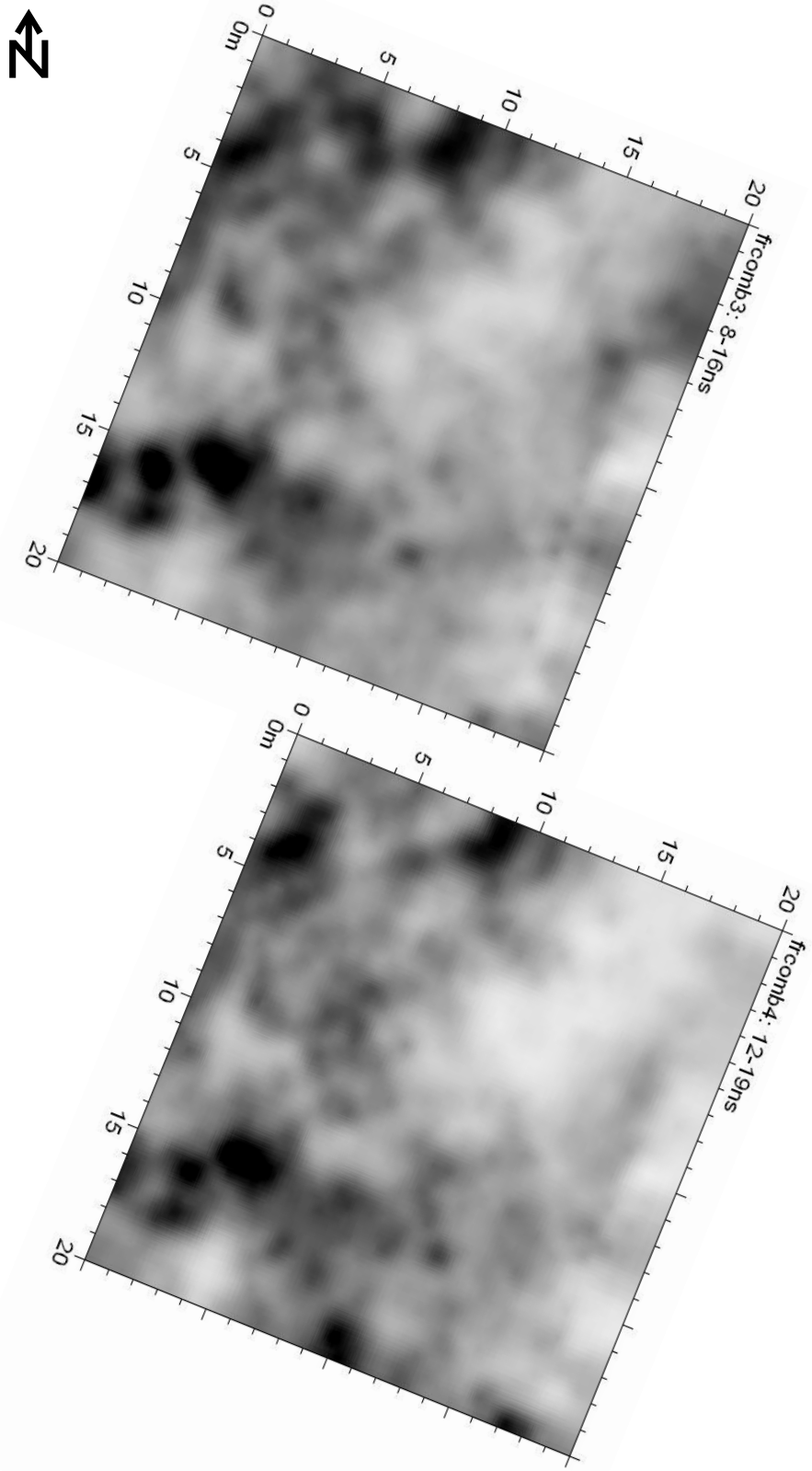
The depths given in the table are based on an estimated average radar velocity of 0.07m/ns, as discussed in the main report text. They therefore should not be taken as the absolute depths of any features discussed.

Figure 9.52 Estimated timeslice depths for 250 MHz survey at the Old Peat Works



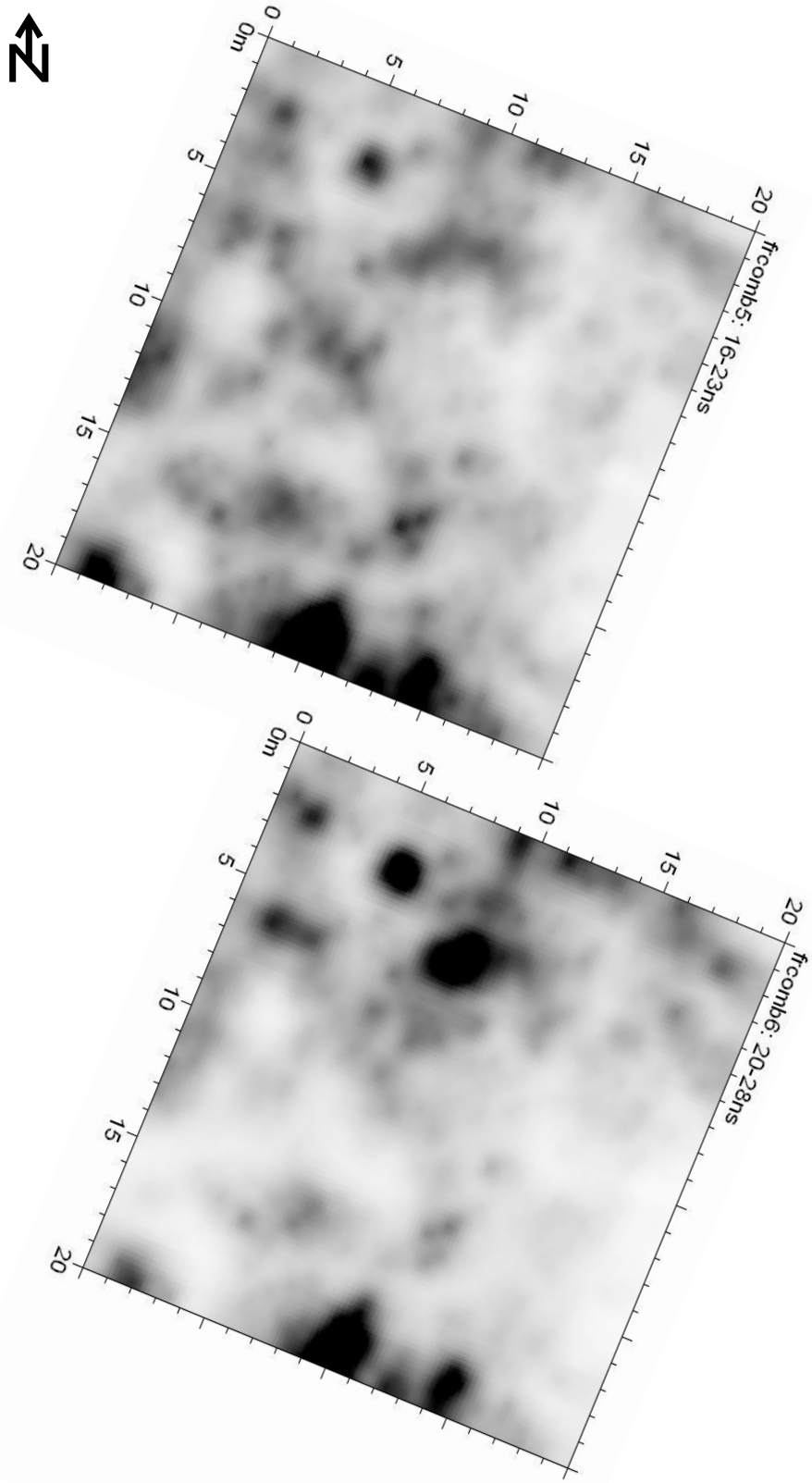
All scales in metres. Darker colours are higher amplitudes.

Figure 9.53 Peat Works 250MHz GPR Timeslices 1 & 2



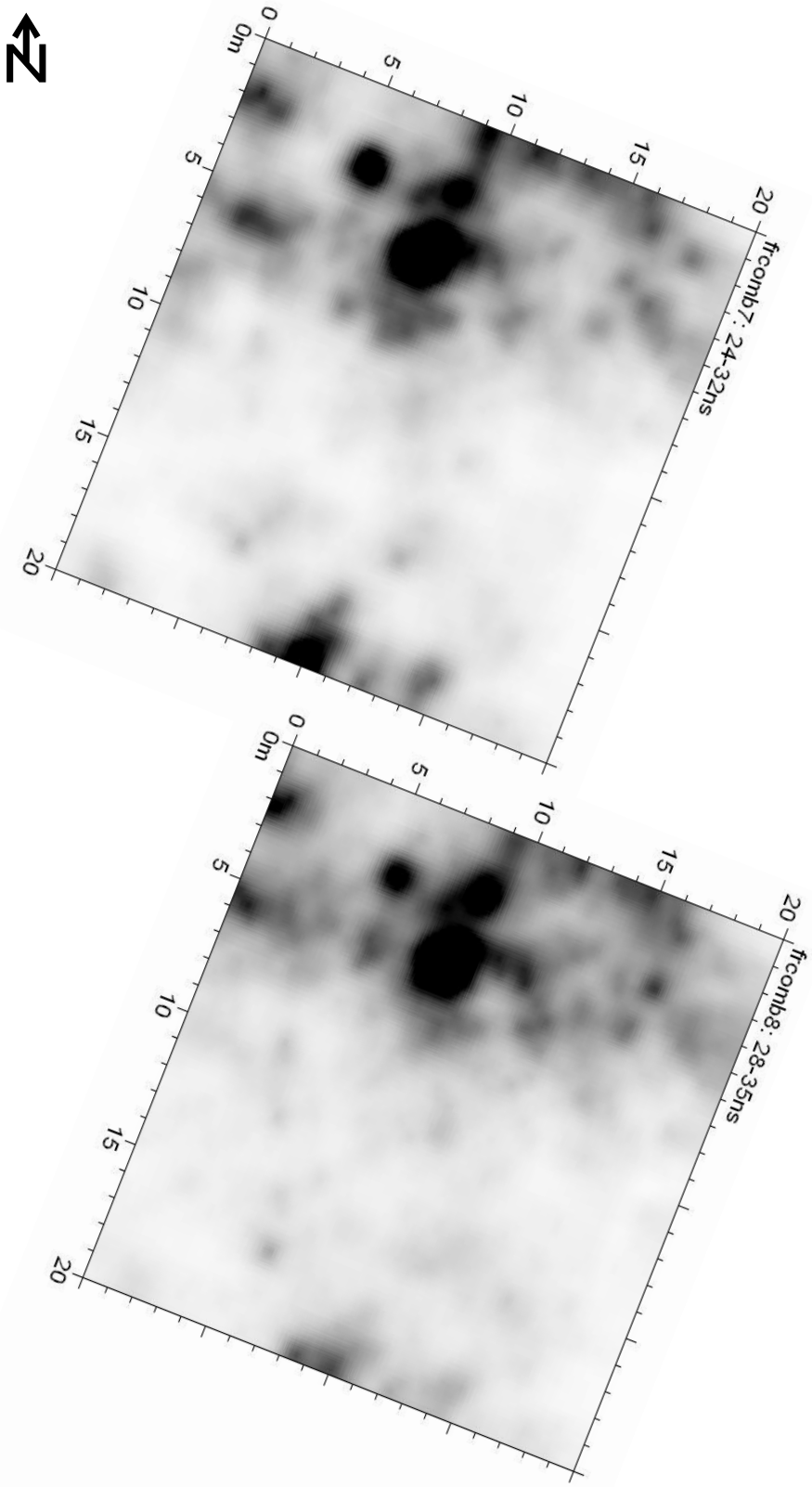
All scales in metres. Darker colours are higher amplitudes.

Figure 9.54 Peat Works 250MHz GPR Timeslices 3 & 4



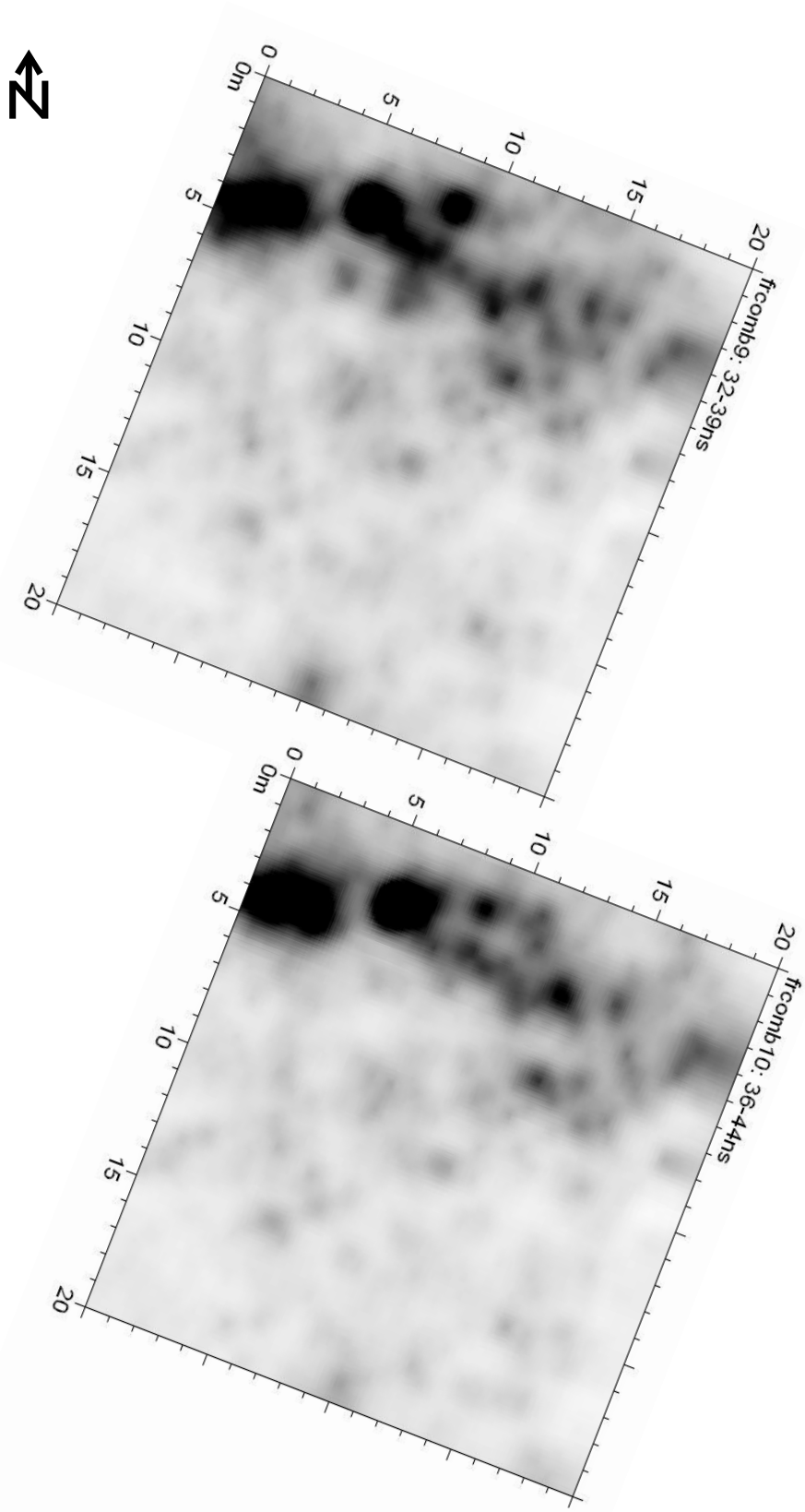
All scales in metres. Darker colours are higher amplitudes.

Figure 9.55 Peat Works 250MHz GPR Timeslices 5 & 6



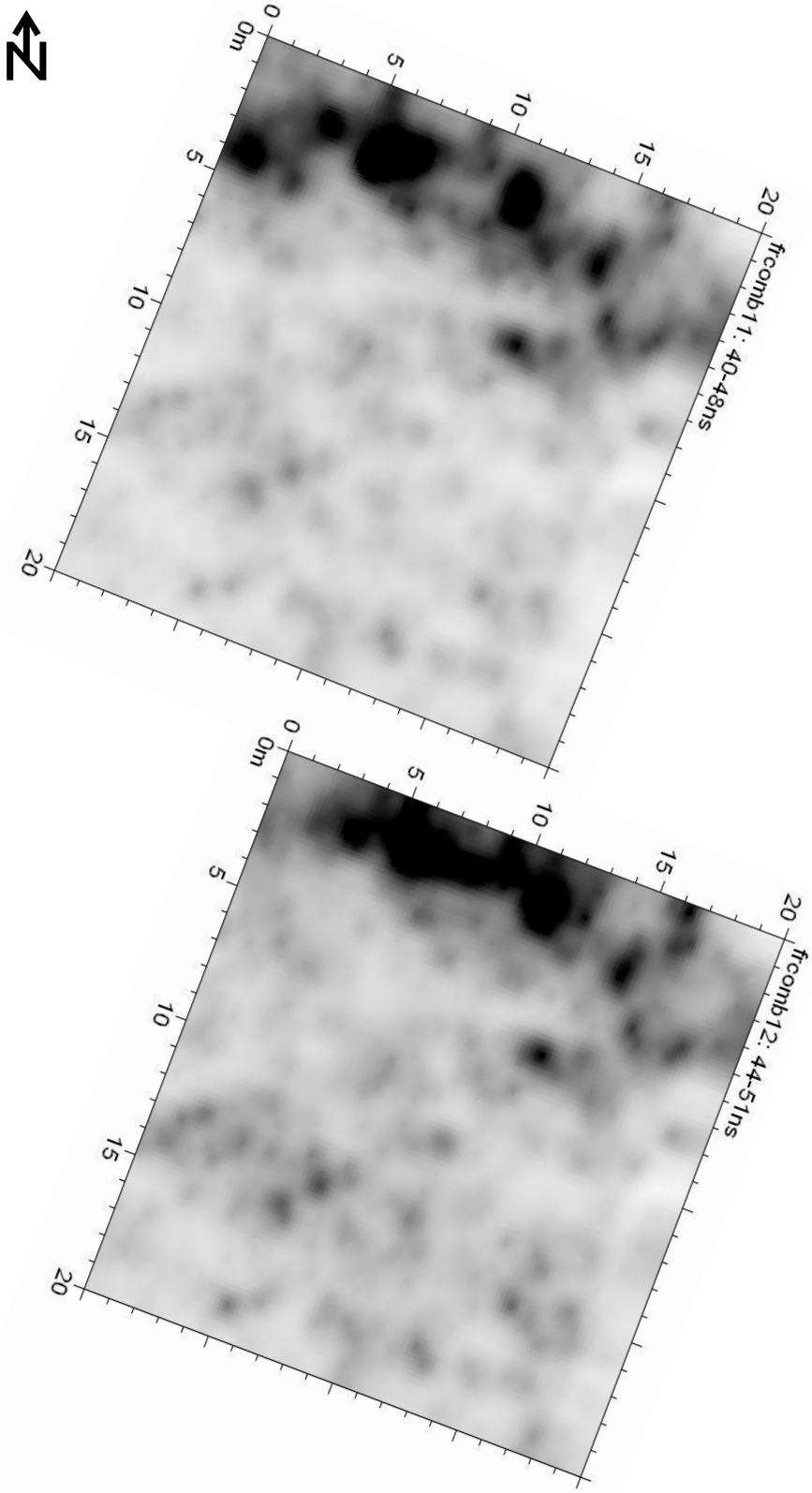
All scales in metres. Darker colours are higher amplitudes.

Figure 9.56 Peat Works 250MHz GPR Timeslices 7 & 8



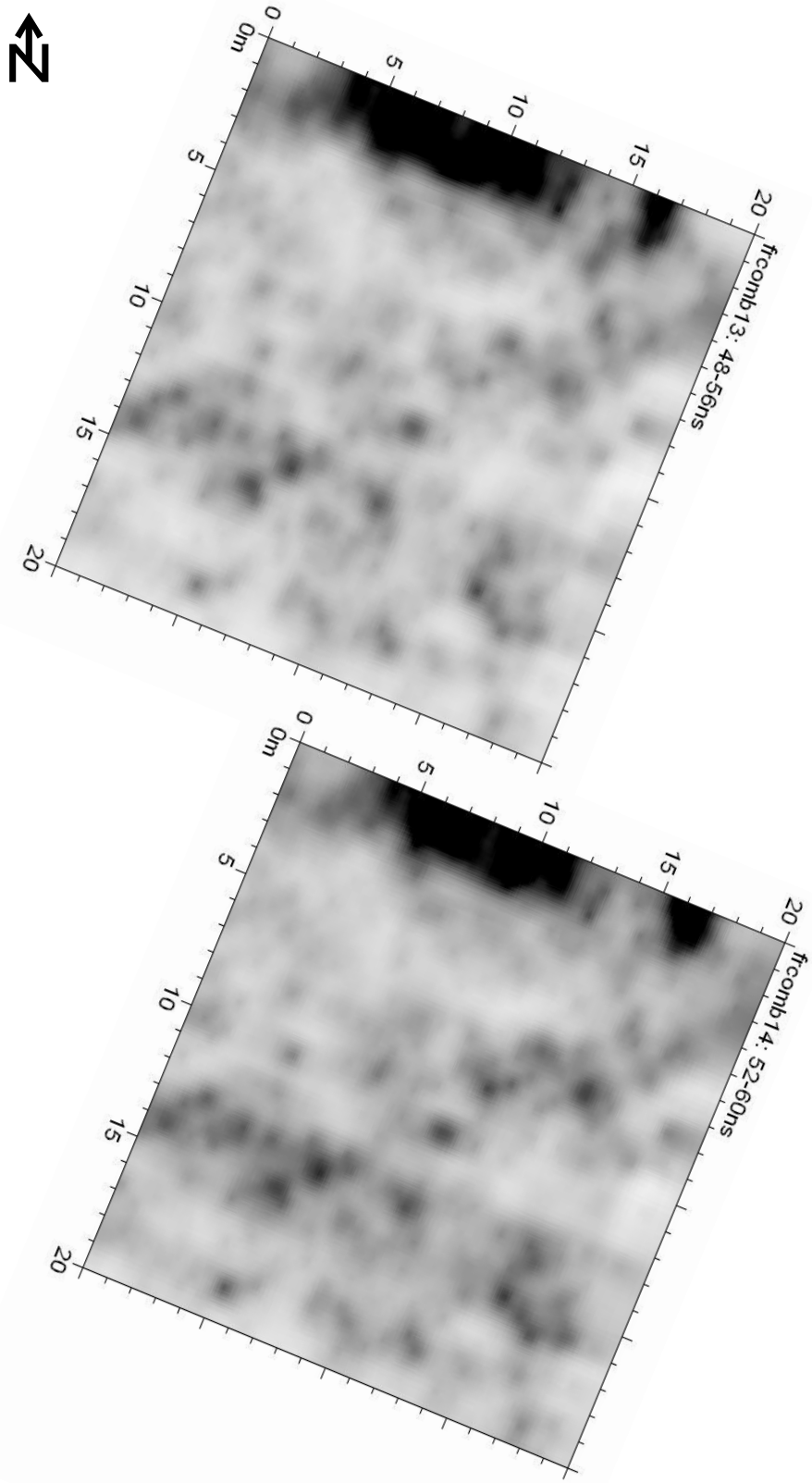
All scales in metres. Darker colours are higher amplitudes.

Figure 9.57 Peat Works 250MHz GPR Timeslices 9 & 10



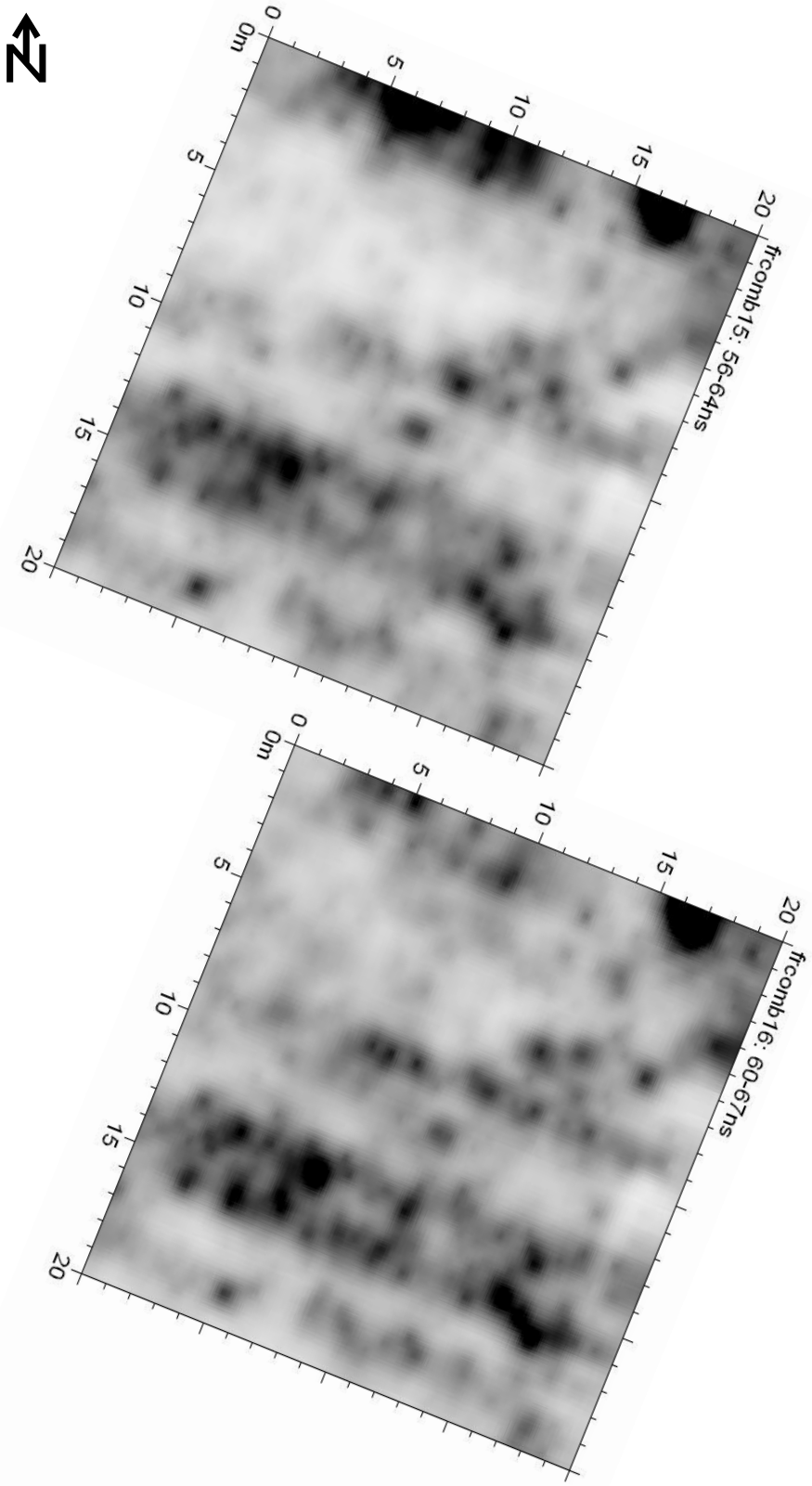
All scales in metres. Darker colours are higher amplitudes.

Figure 9.58 Peat Works 250MHz GPR Timeslices 11 & 12



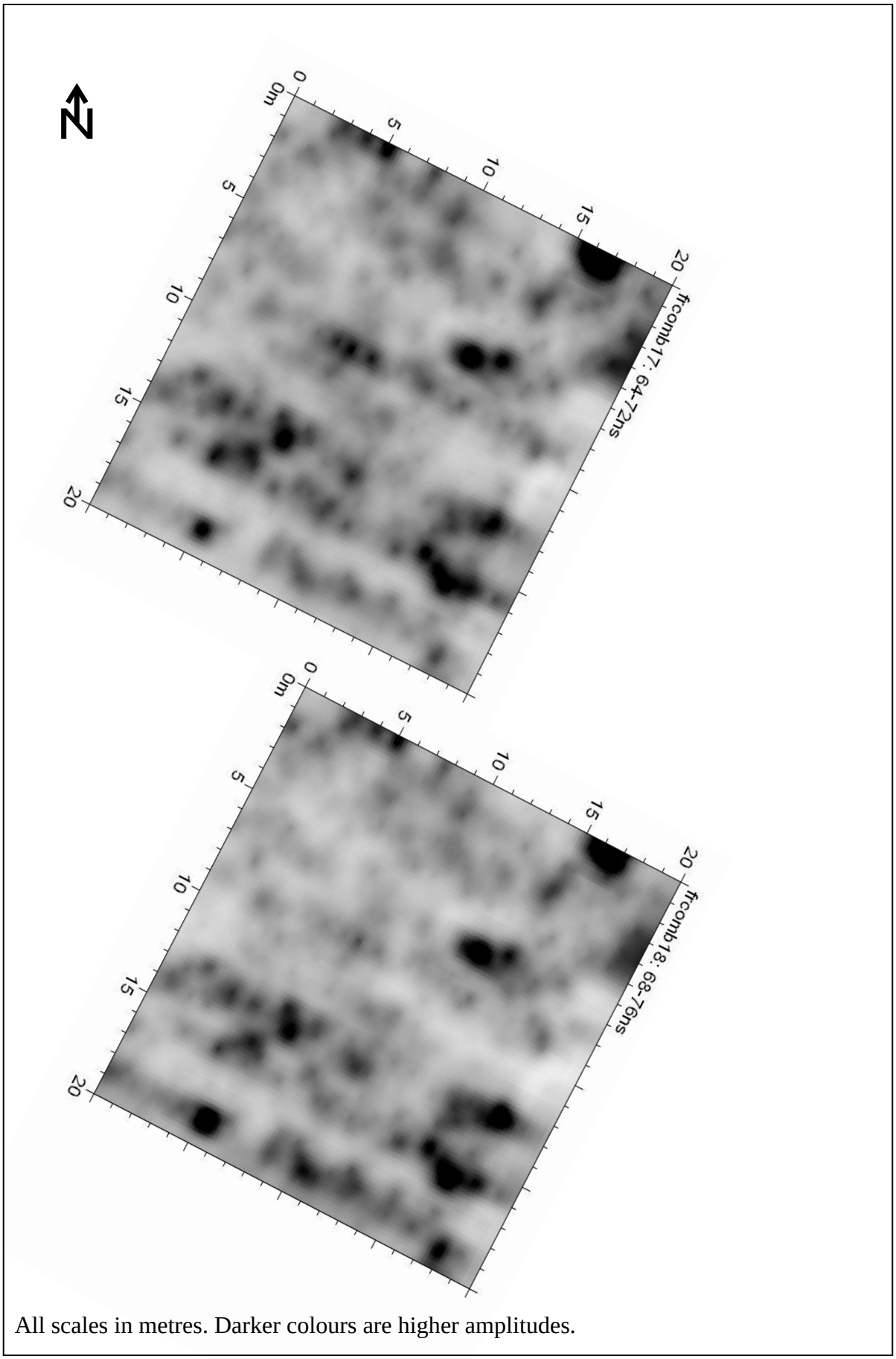
All scales in metres. Darker colours are higher amplitudes.

Figure 9.59 Peat Works 250MHz GPR Timeslices 13 & 14



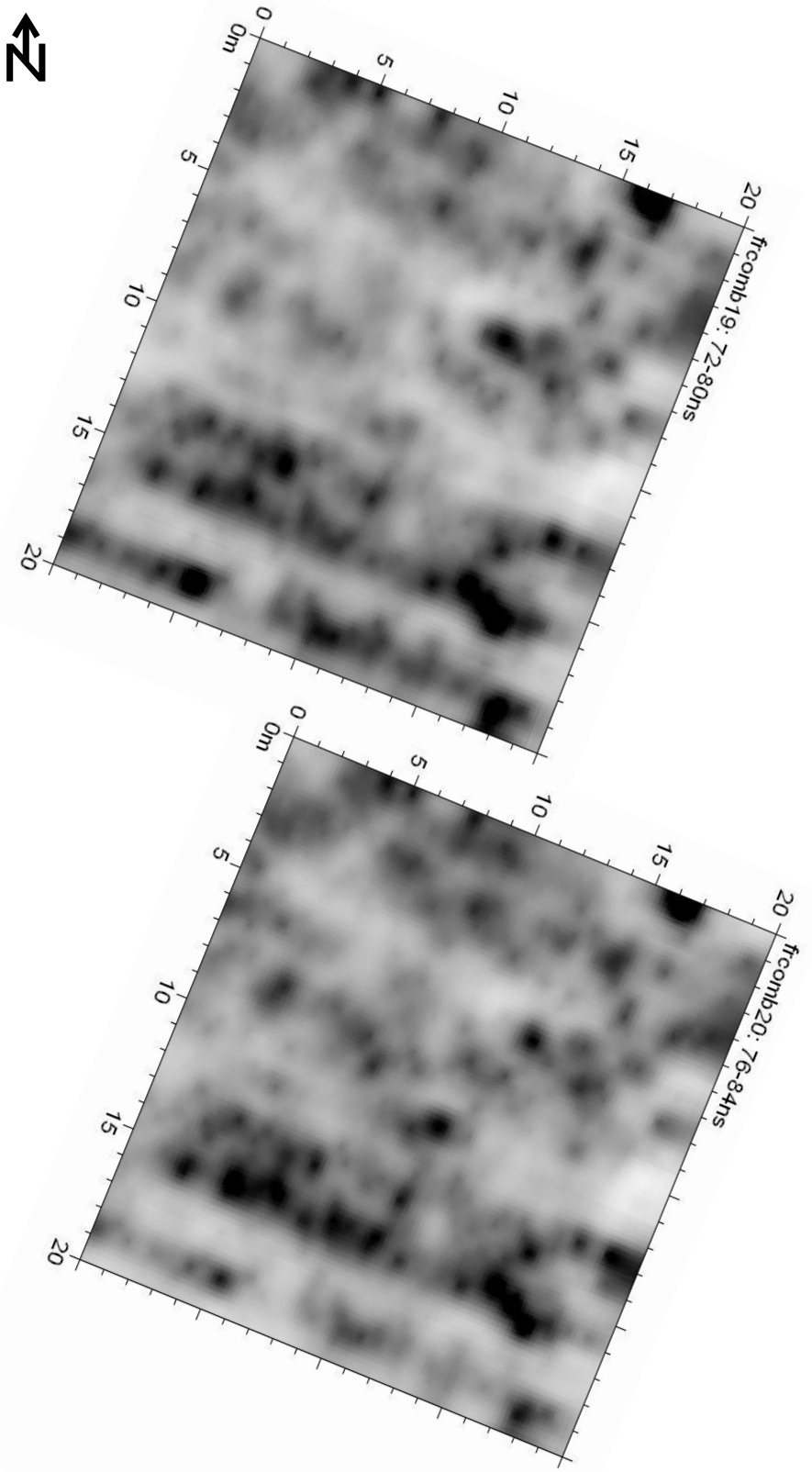
All scales in metres. Darker colours are higher amplitudes.

Figure 9.60 Peat Works 250MHz GPR Timeslices 15 & 16



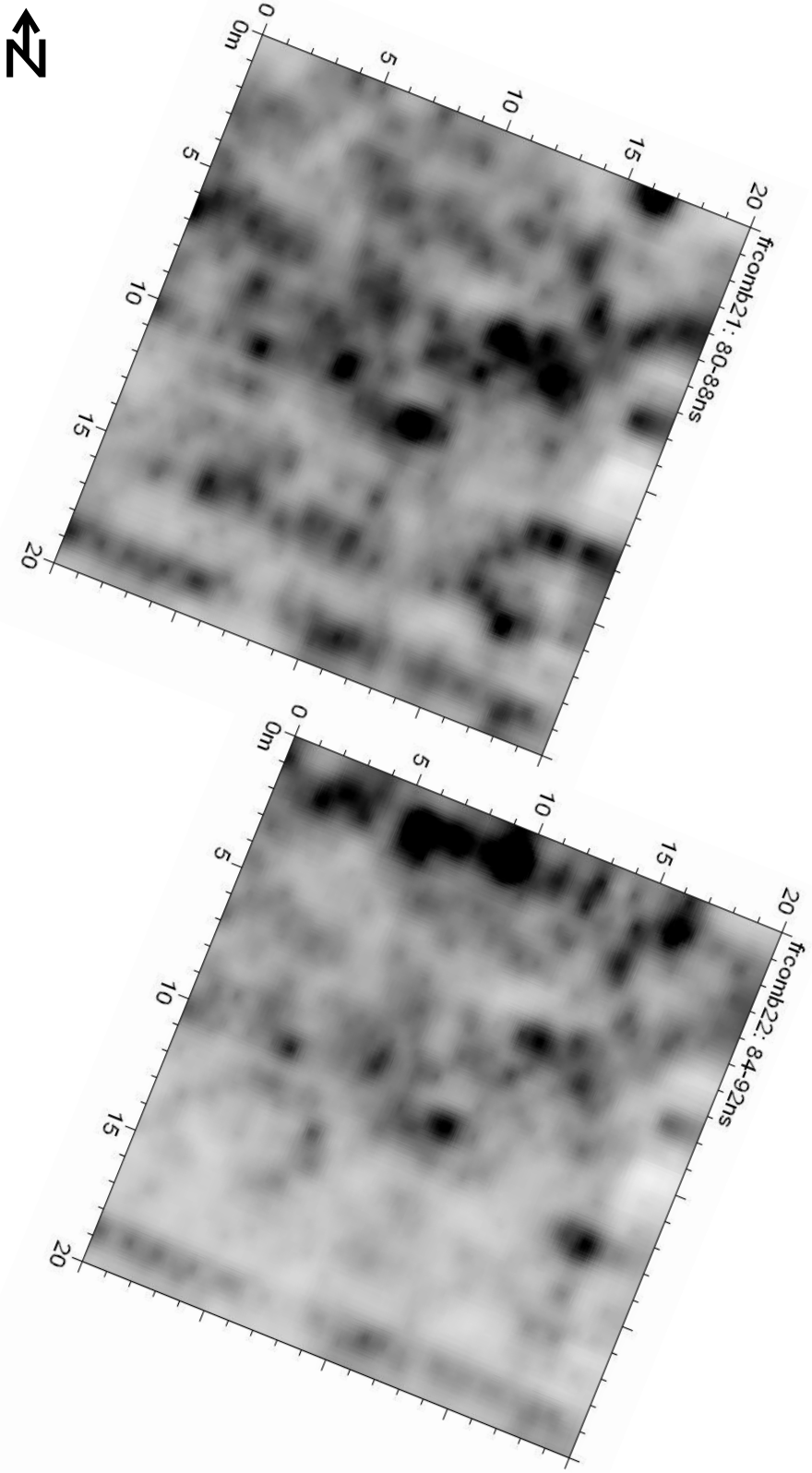
All scales in metres. Darker colours are higher amplitudes.

Figure 9.61 Peat Works 250MHz GPR Timeslices 17 & 18



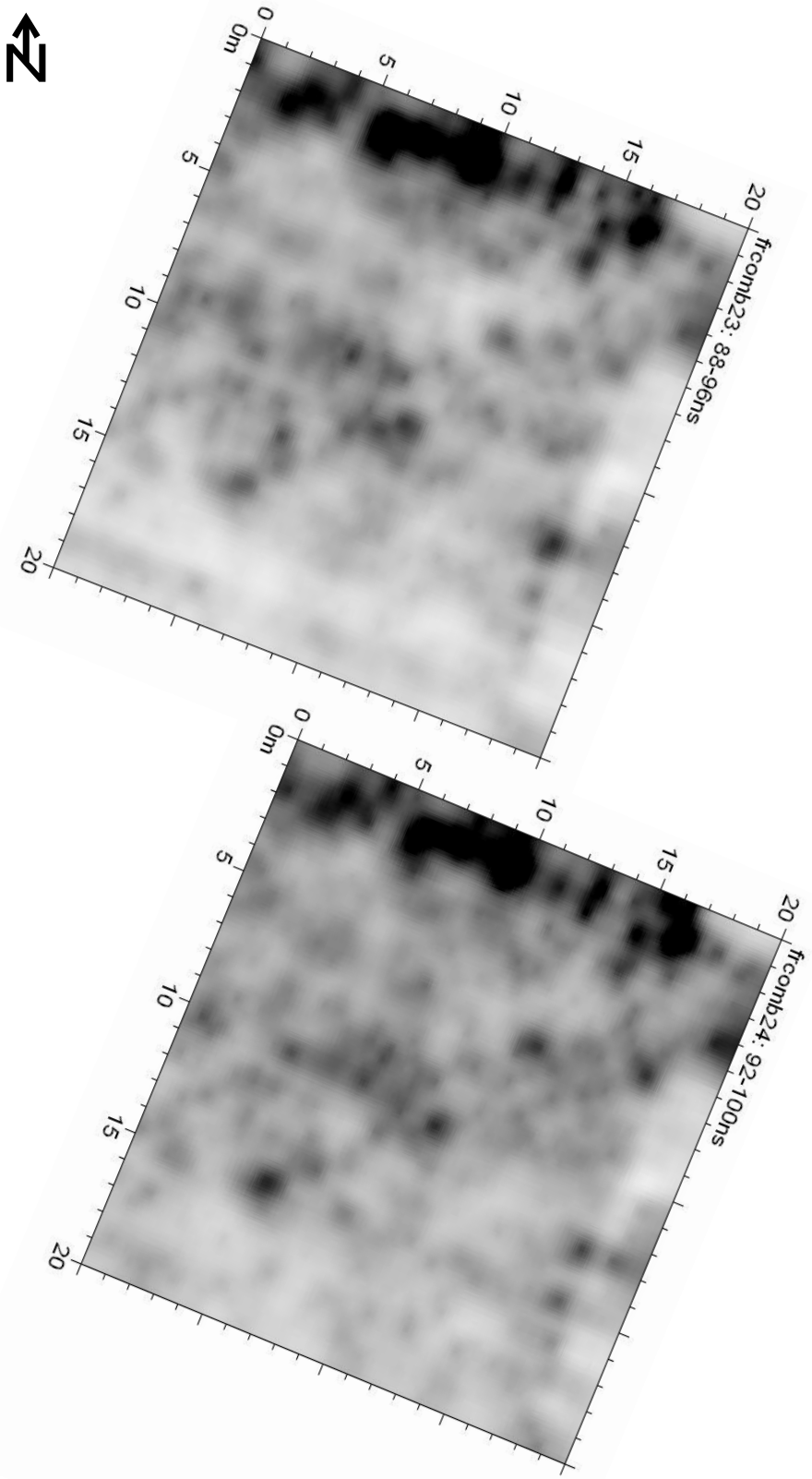
All scales in metres. Darker colours are higher amplitudes.

Figure 9.62 Peat Works 250MHz GPR Timeslices 19 & 20



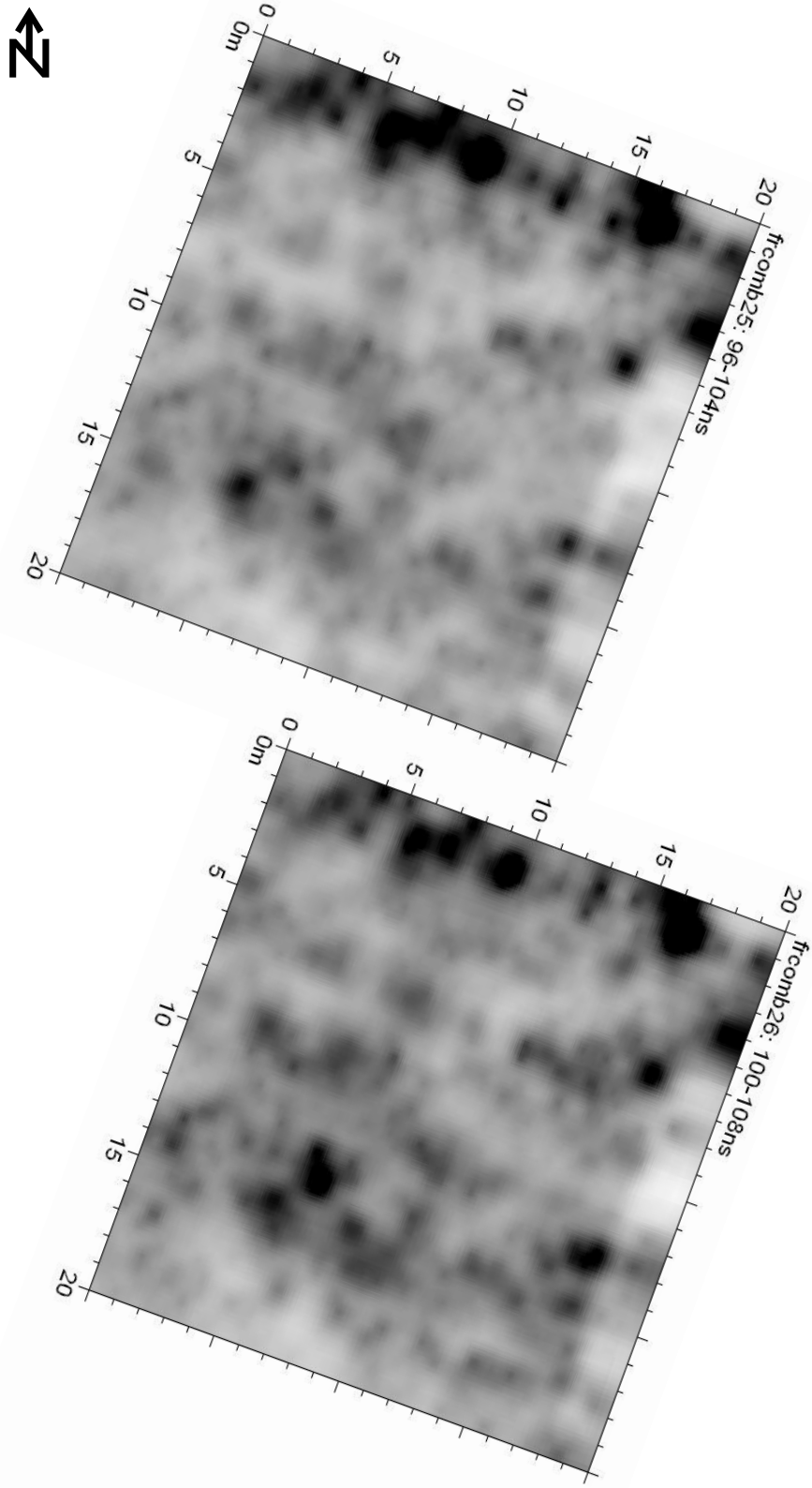
All scales in metres. Darker colours are higher amplitudes.

Figure 9.63 Peat Works 250MHz GPR Timeslices 21 & 22



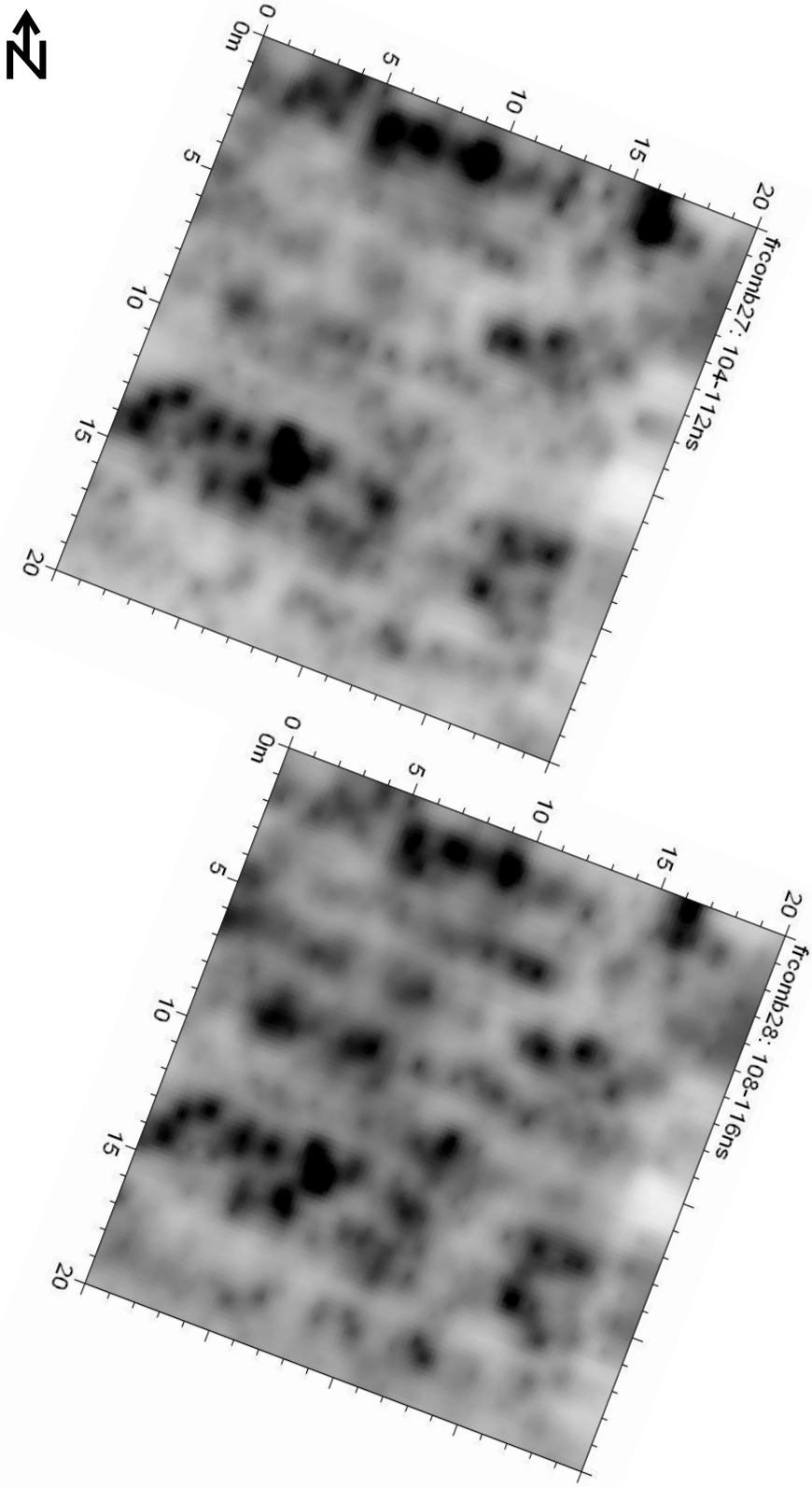
All scales in metres. Darker colours are higher amplitudes.

Figure 9.64 Peat Works 250MHz GPR Timeslices 23 & 24



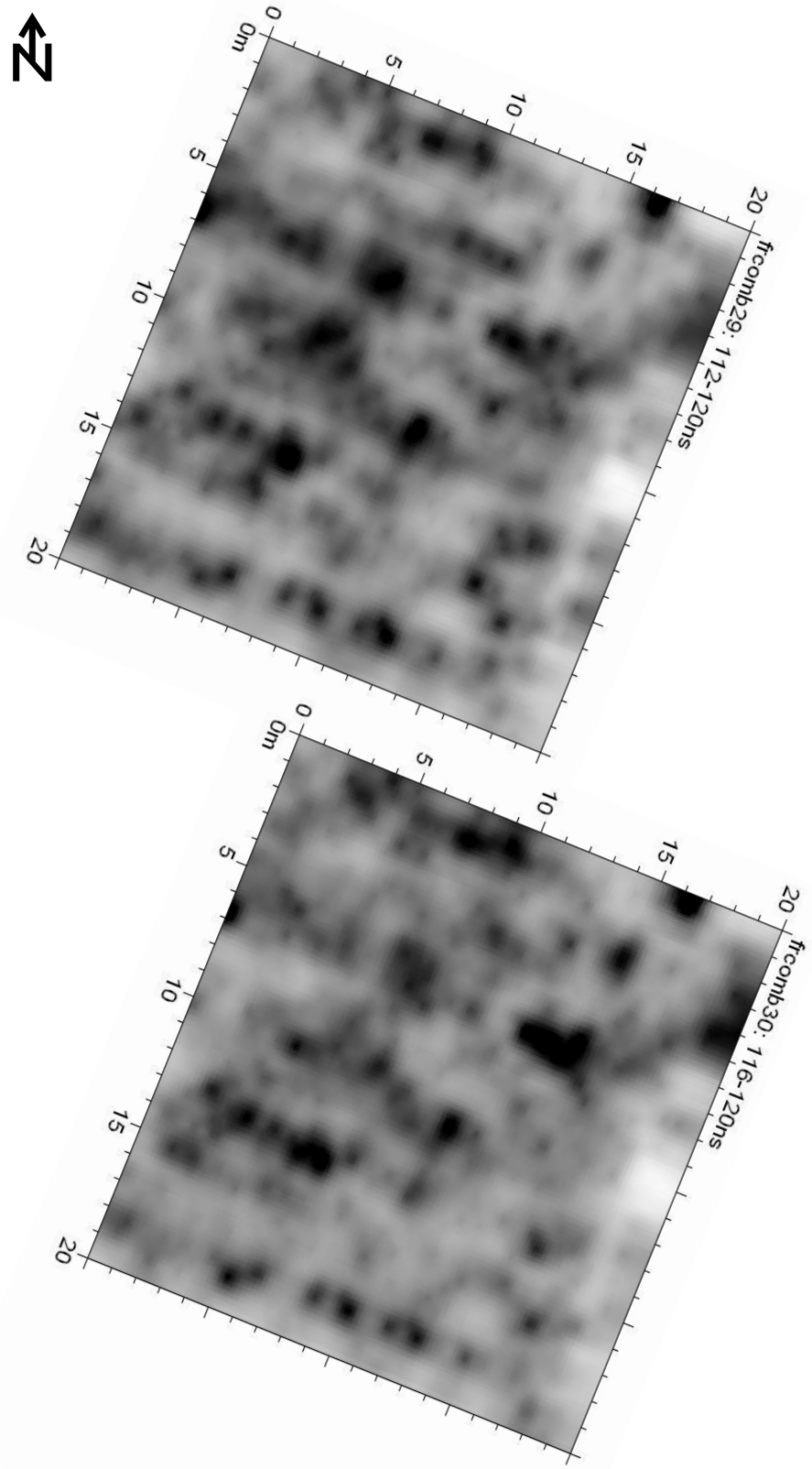
All scales in metres. Darker colours are higher amplitudes.

Figure 9.65 Peat Works 250MHz GPR Timeslices 25 & 26



All scales in metres. Darker colours are higher amplitudes.

Figure 9.66 Peat Works 250MHz GPR Timeslices 27 & 28



All scales in metres. Darker colours are higher amplitudes.

Figure 9.66 Peat Works 250MHz GPR Timeslices 29 & 30

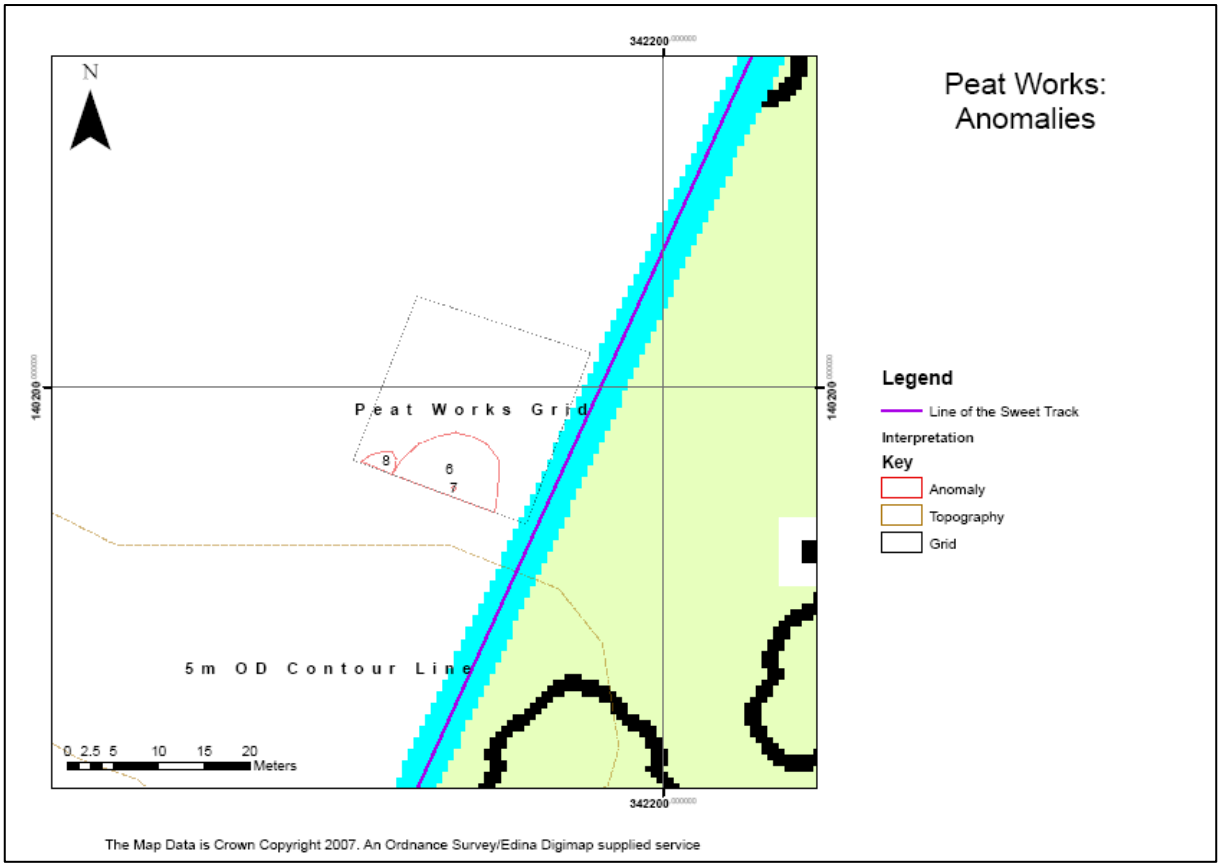


Figure 9.67 The Old Peat Works survey interpretations

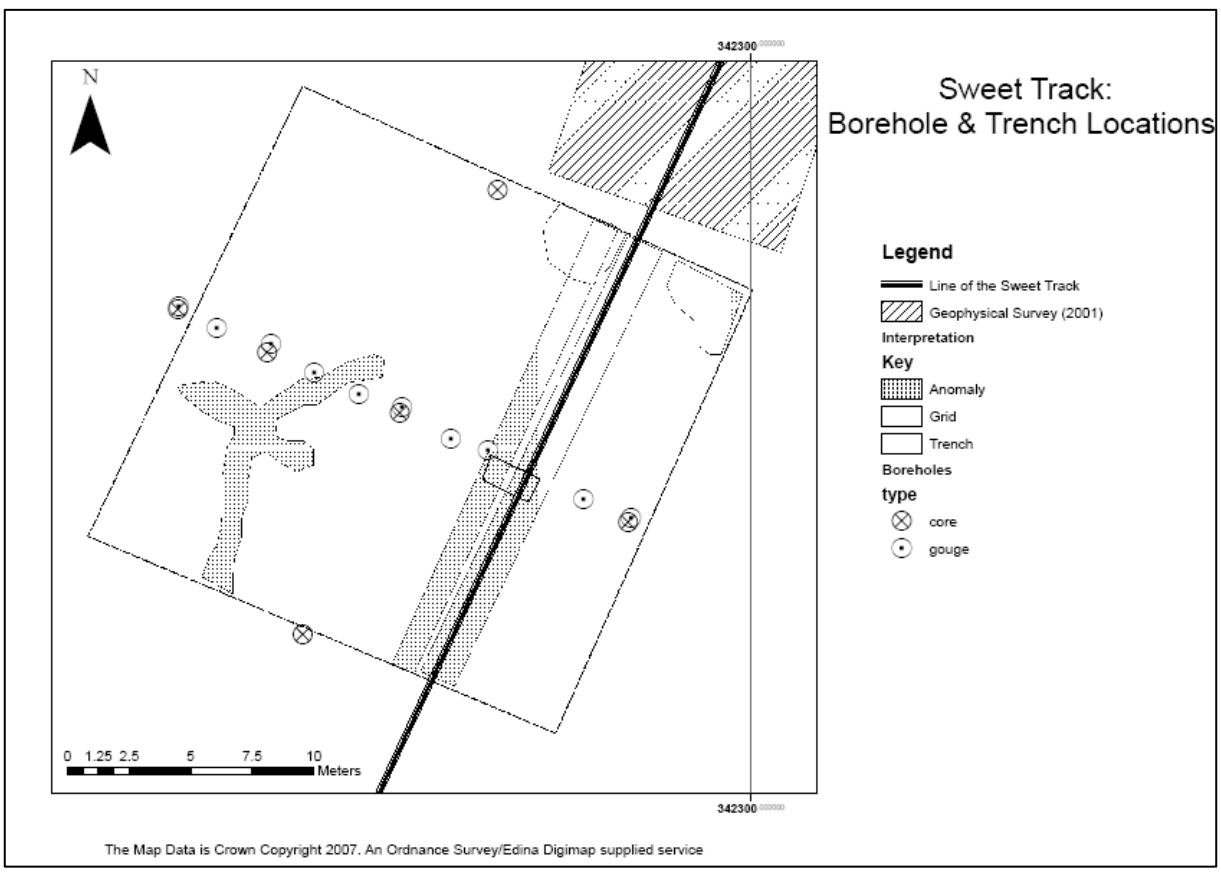
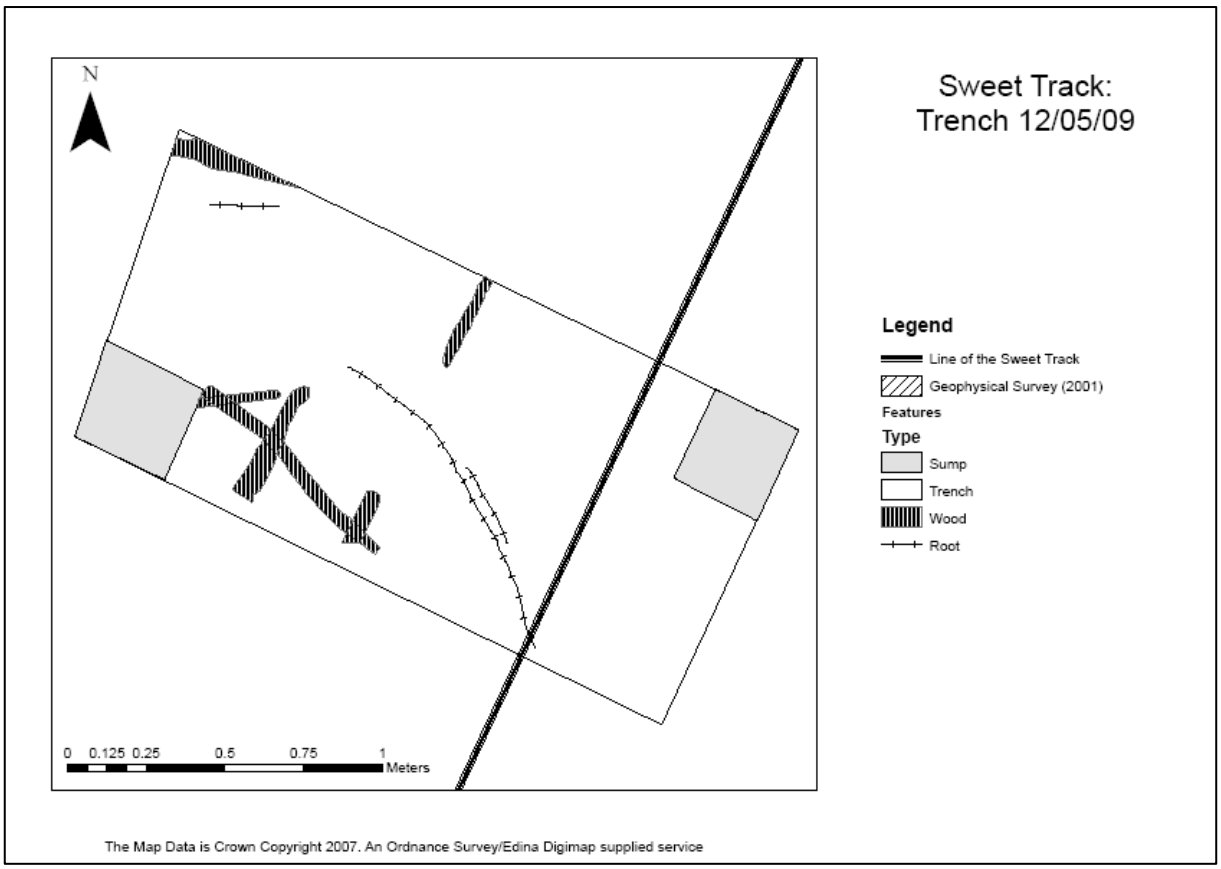
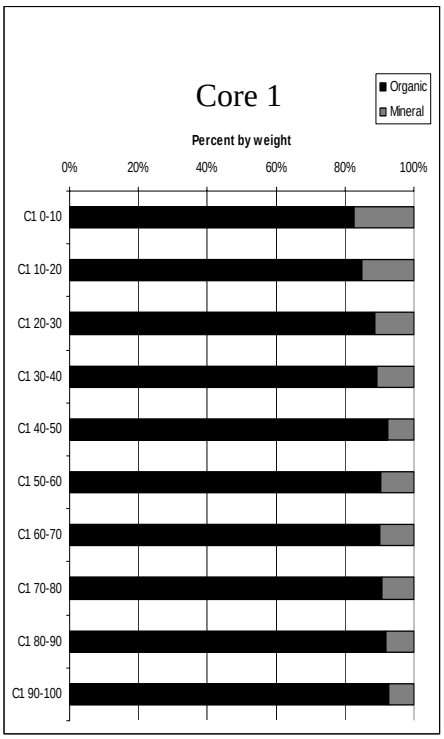


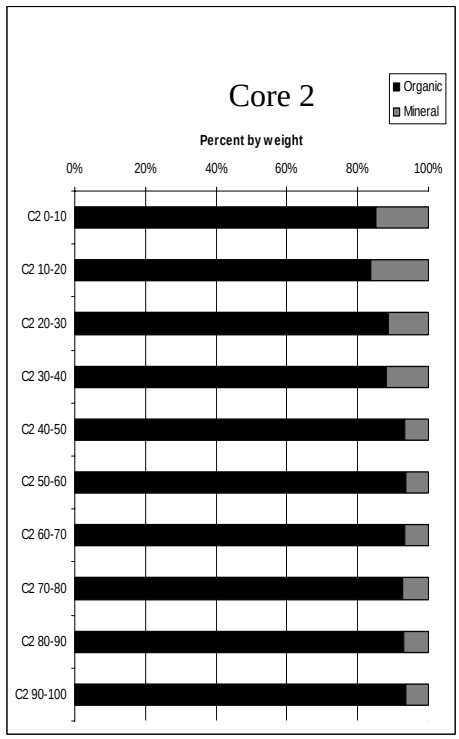
Figure 9.68 Location of the boreholes and evaluation trench, Canada Farm

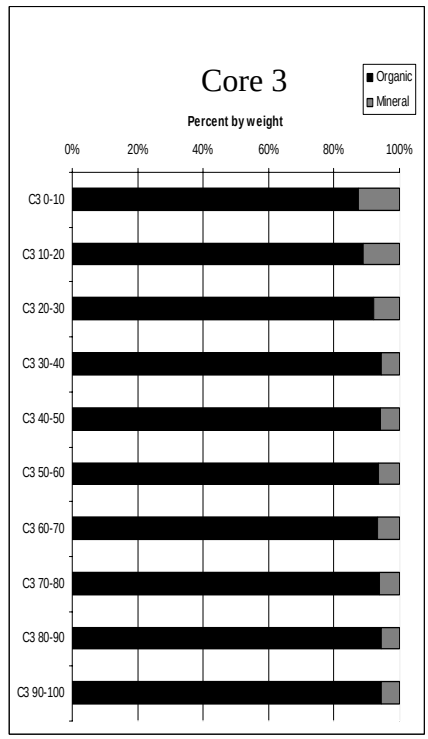


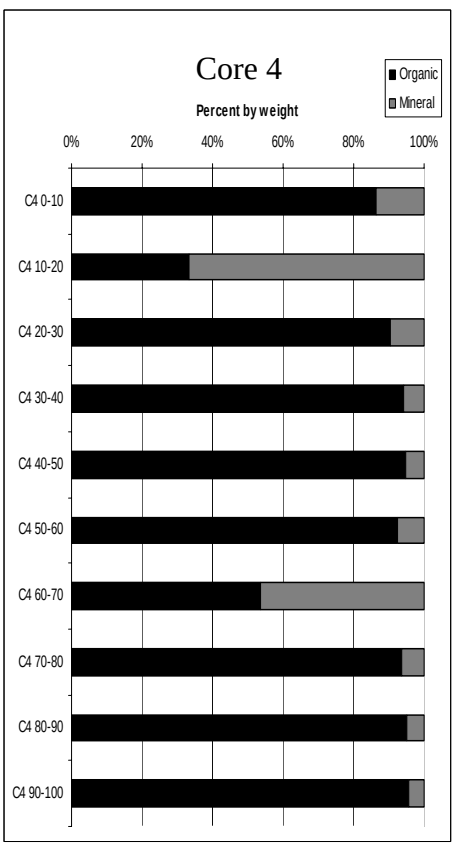
Photograph scale is 0.3m
(Photograph by T. Darvill)

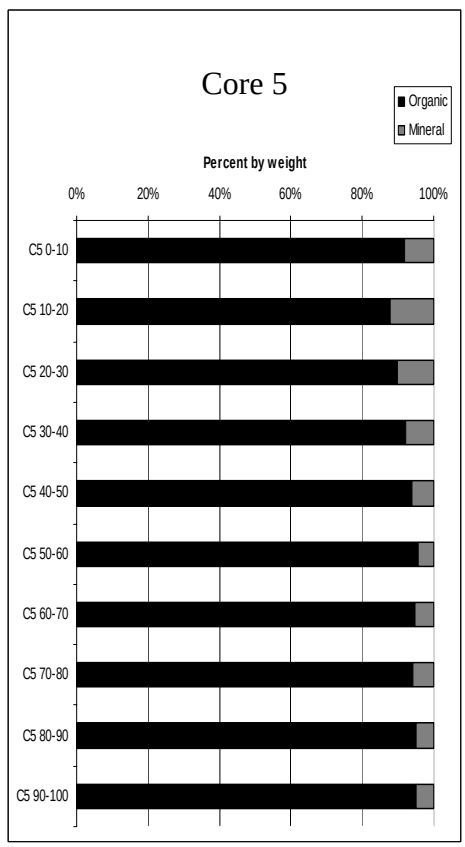
Figure 9.69 Trench plan (0.45m below ground level) and photograph of timbers











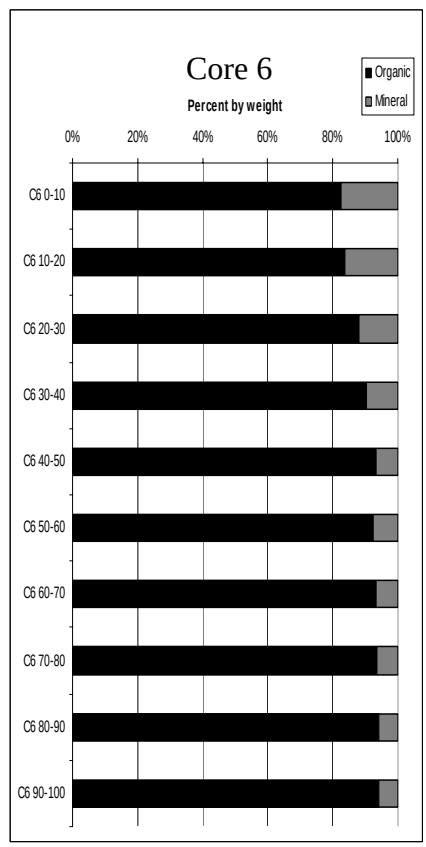


Figure 9.70 Sweet Track cores LOI results summary

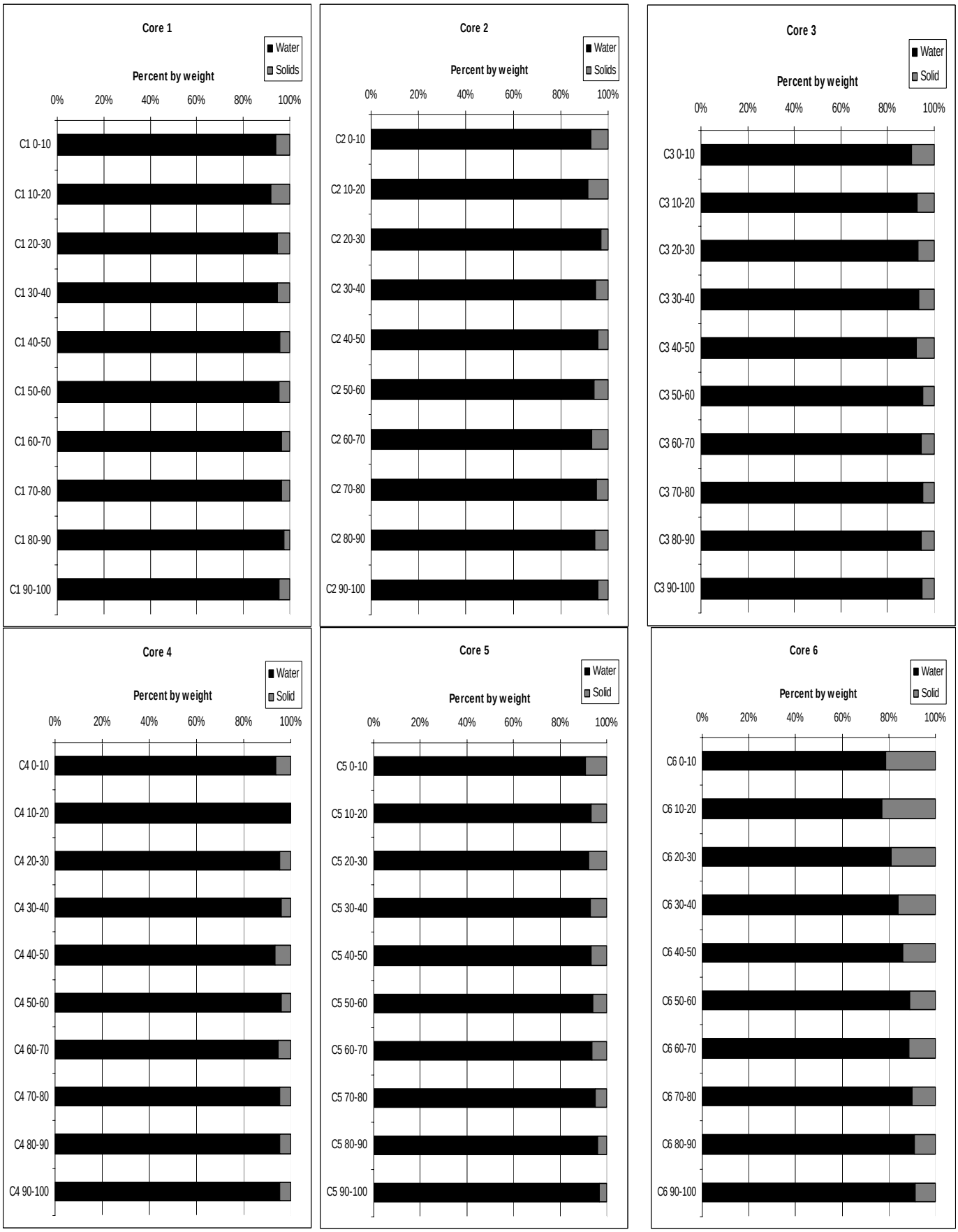


Figure 9.71 Sweet Track cores MC results summary

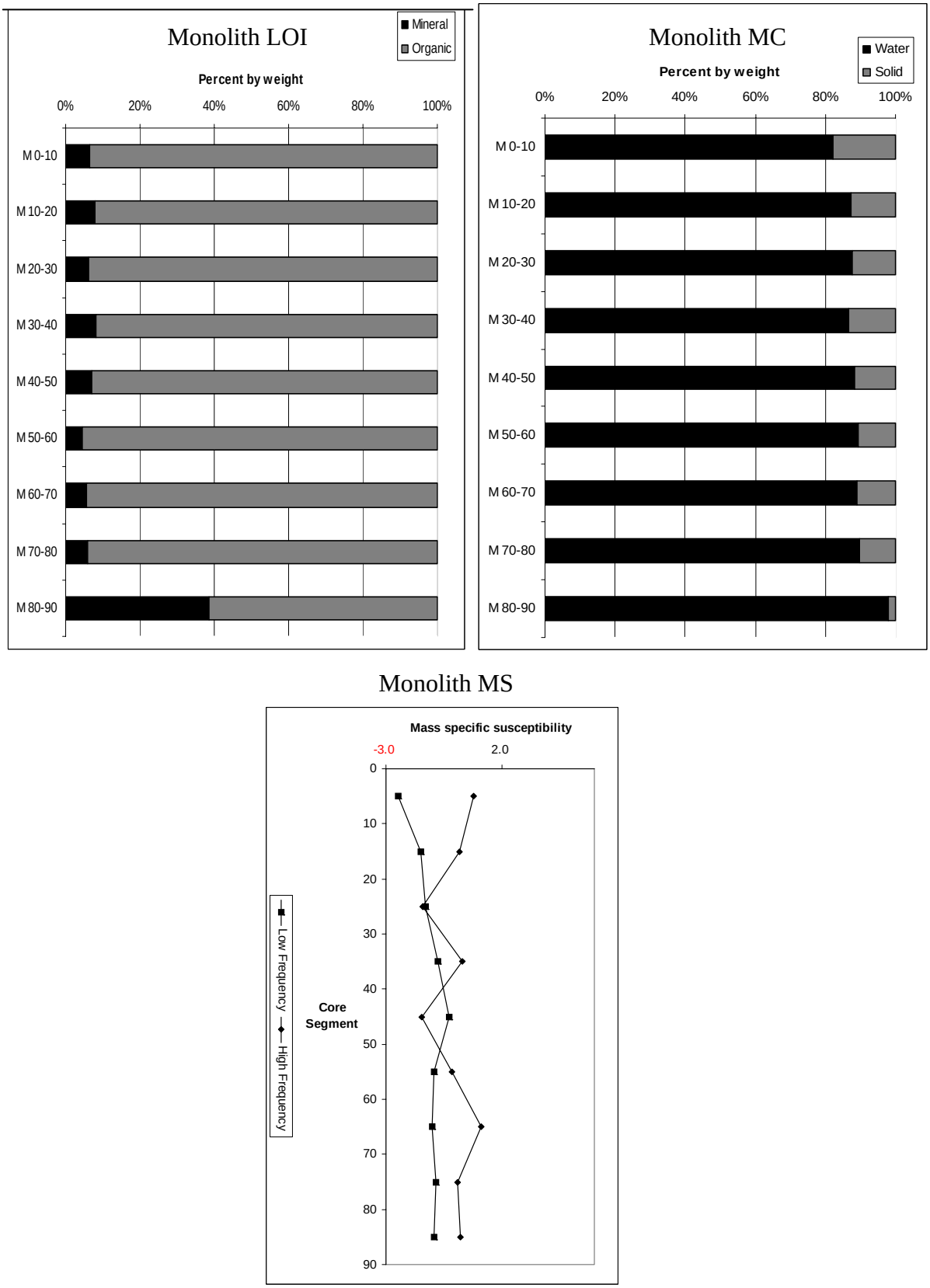


Figure 9.72 Sweet Track monolith LOI, MC and MS results summary

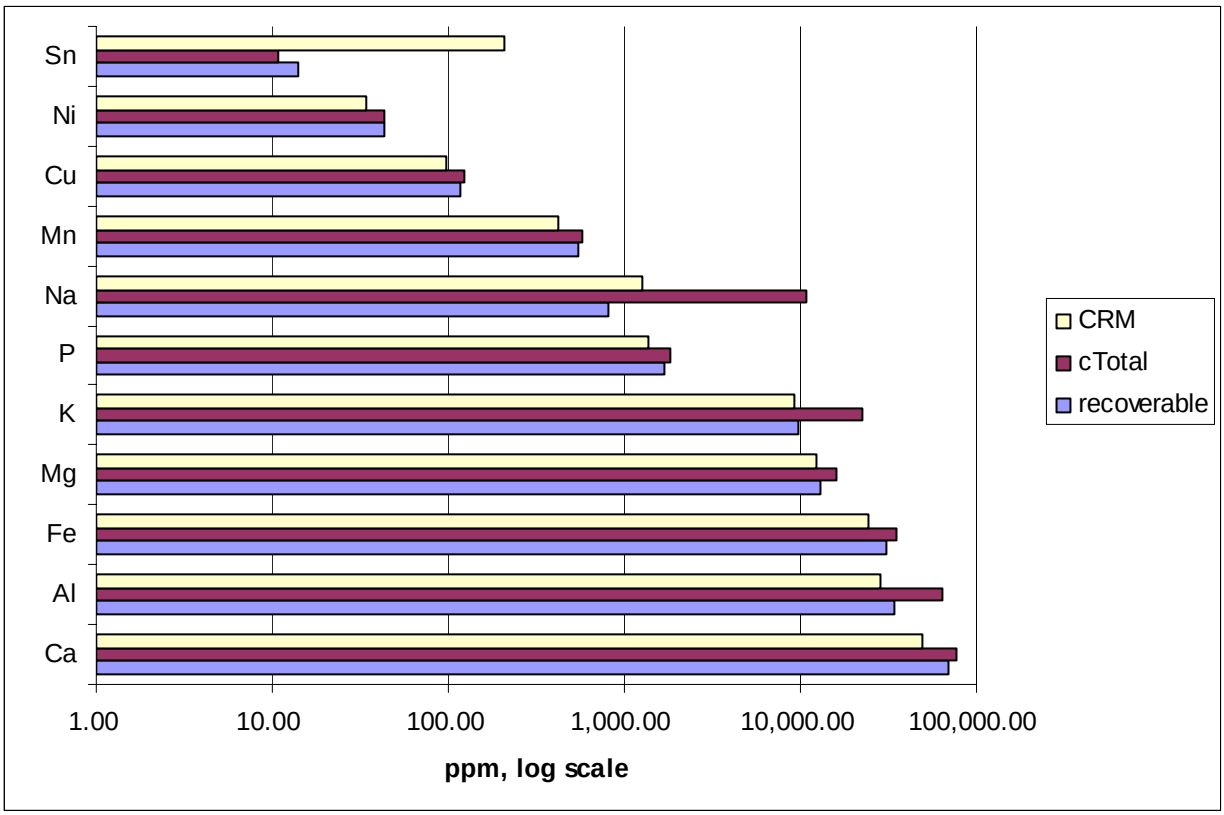


Figure 9.73 Expected recovery of selected elements vs. measured recovery on CRM TH-2

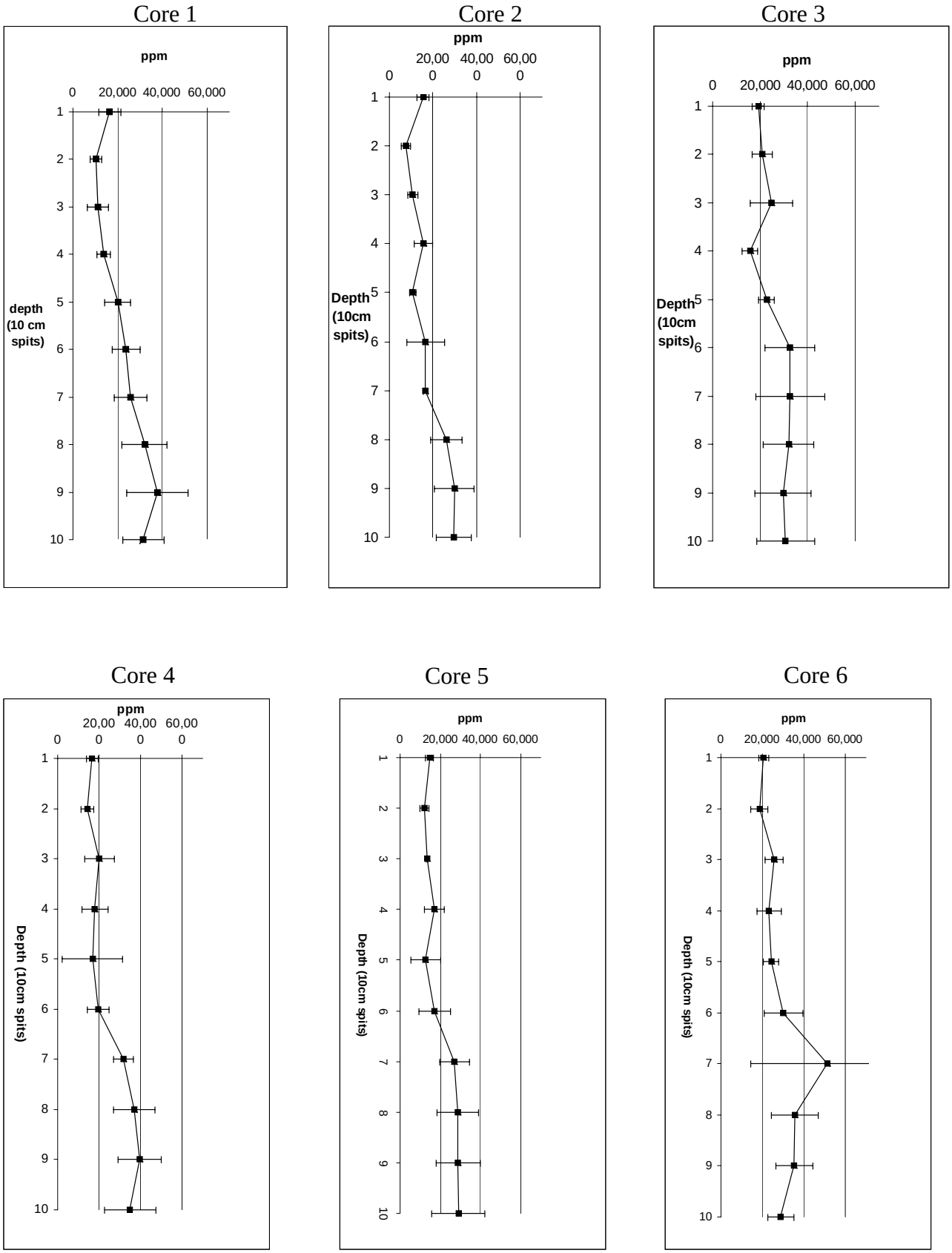
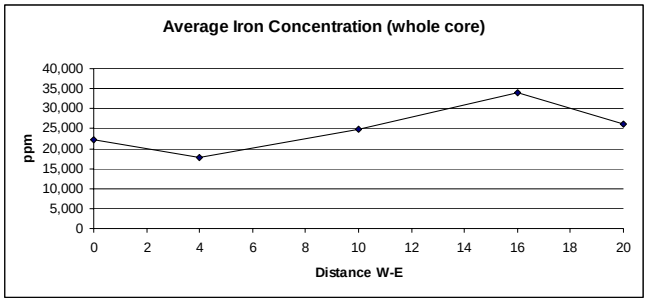
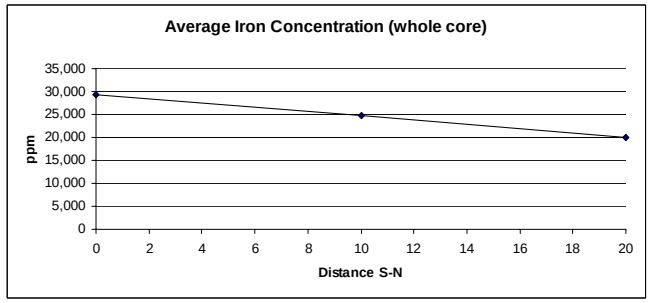
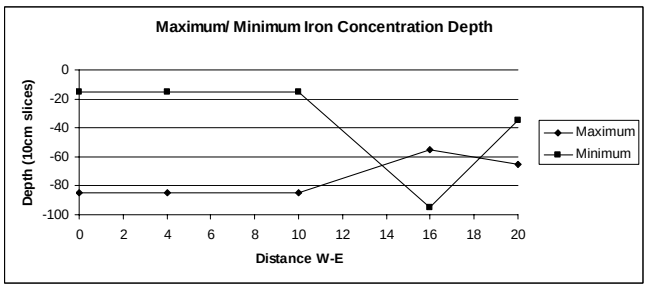
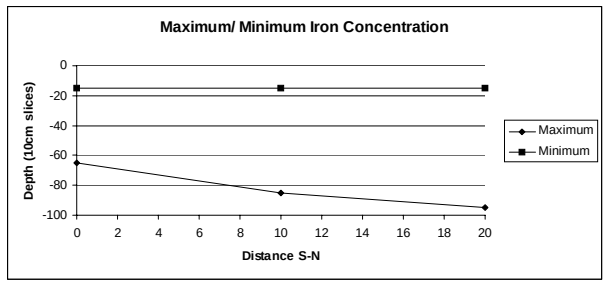


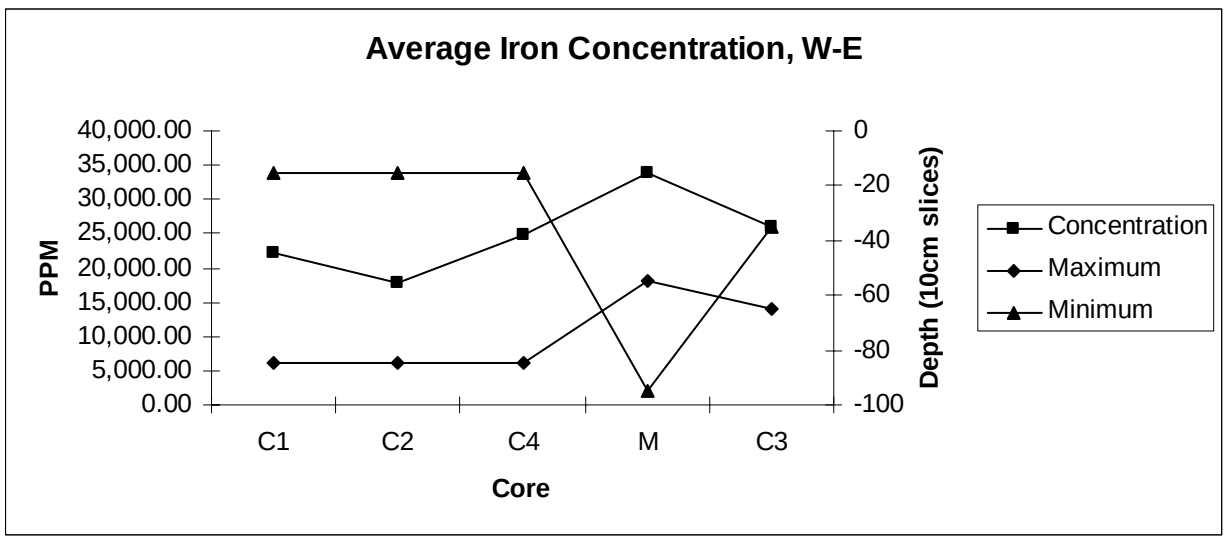
Figure 9.74 Iron concentrations over depth in the cores











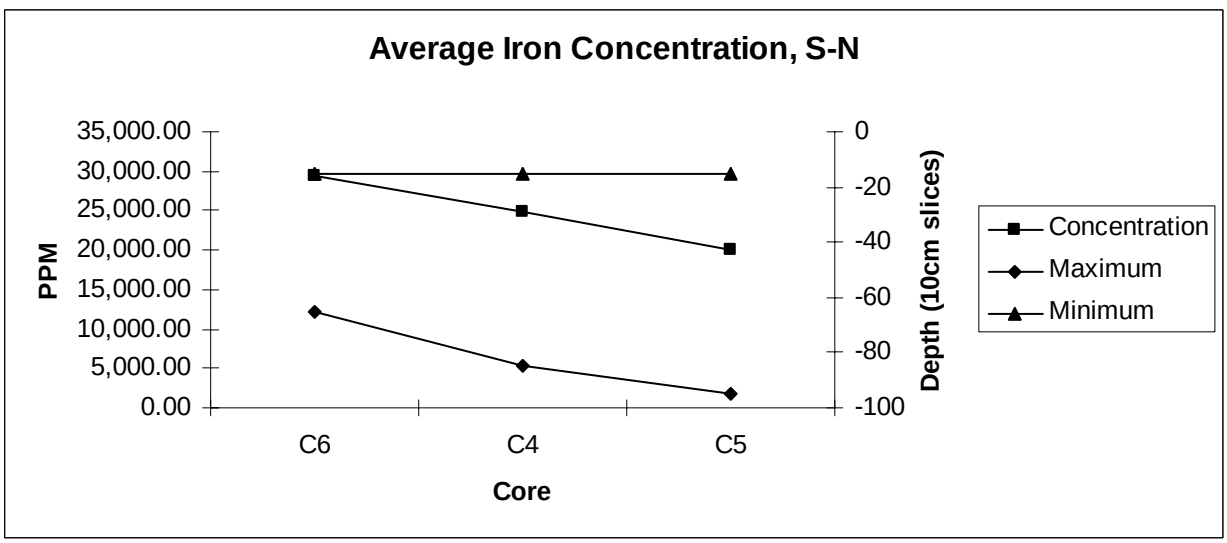


Figure 9.75 Summary of iron concentrations across the grid

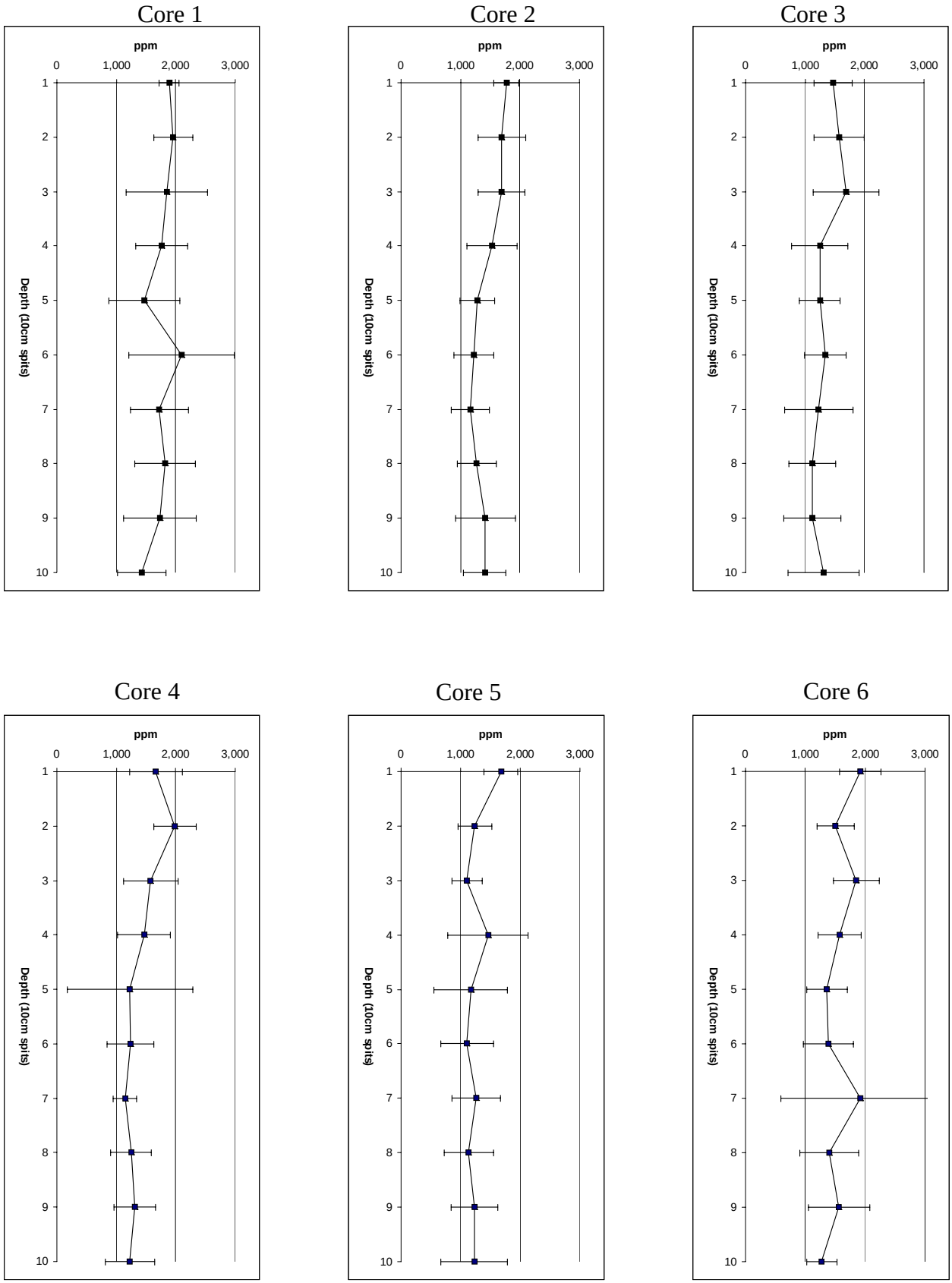
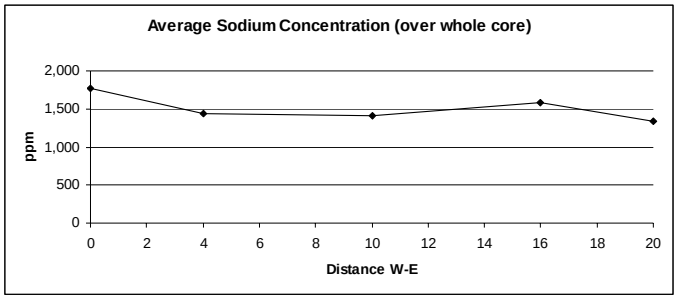
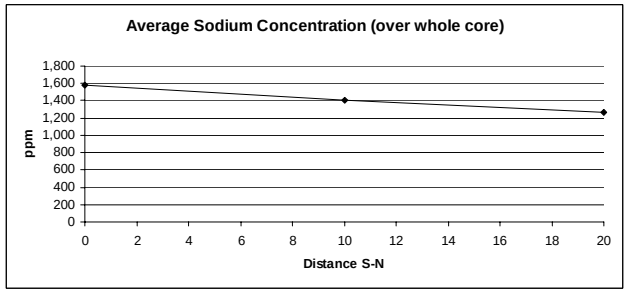
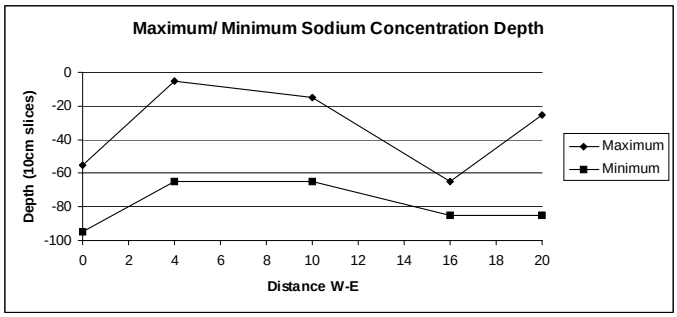
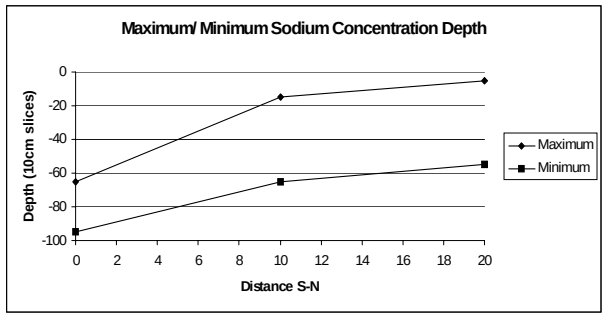


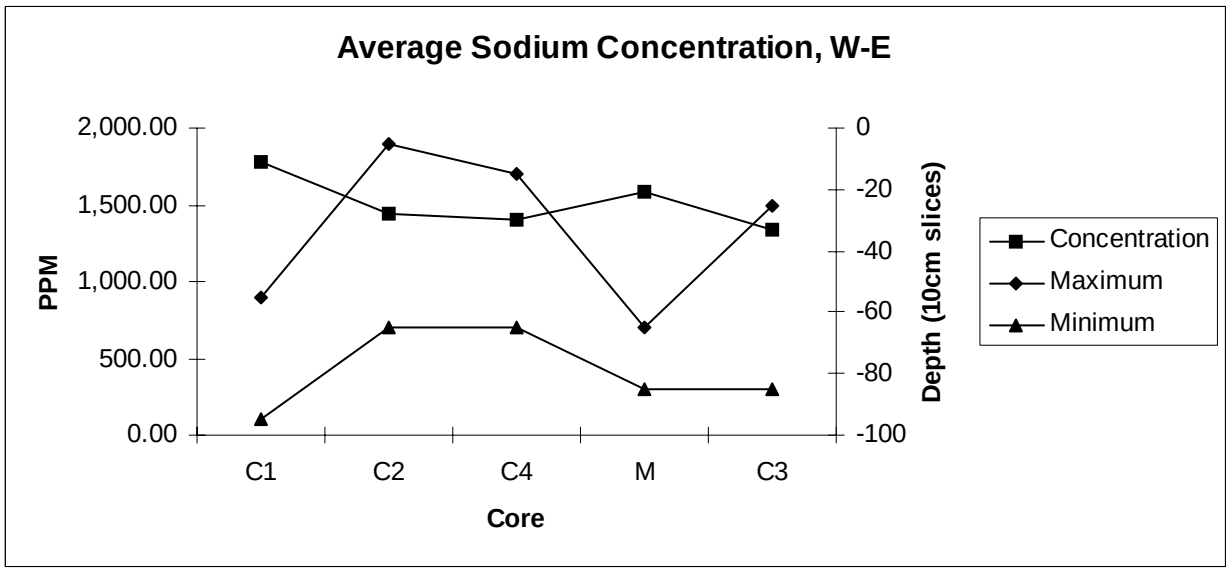
Figure 9.76 Sodium concentrations over depth in the cores











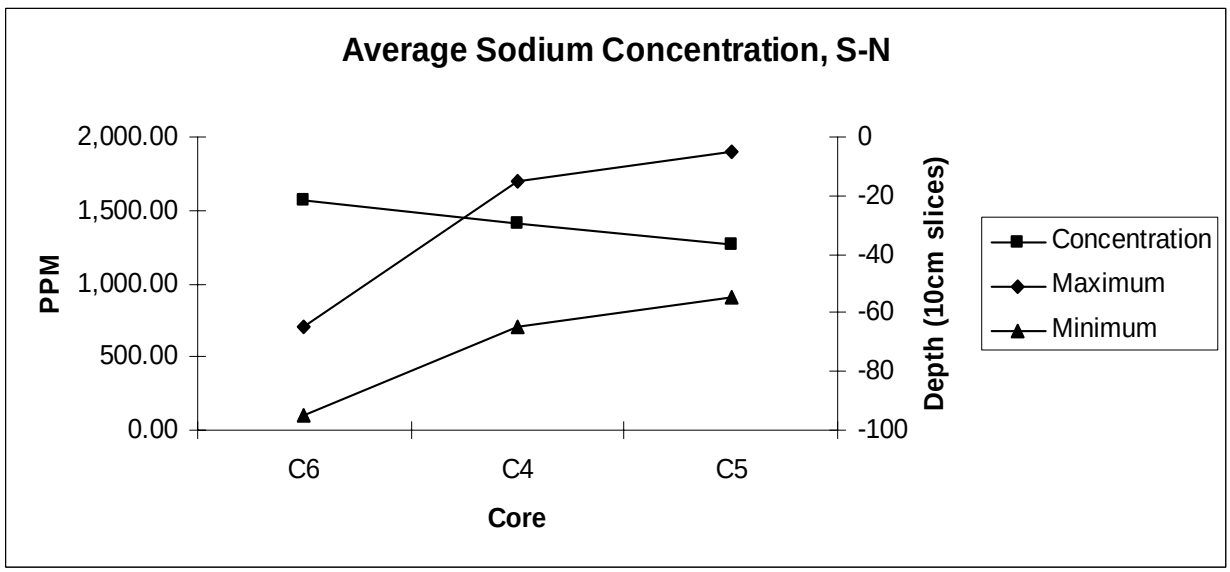


Figure 9.77 Summary of sodium concentrations across the grid

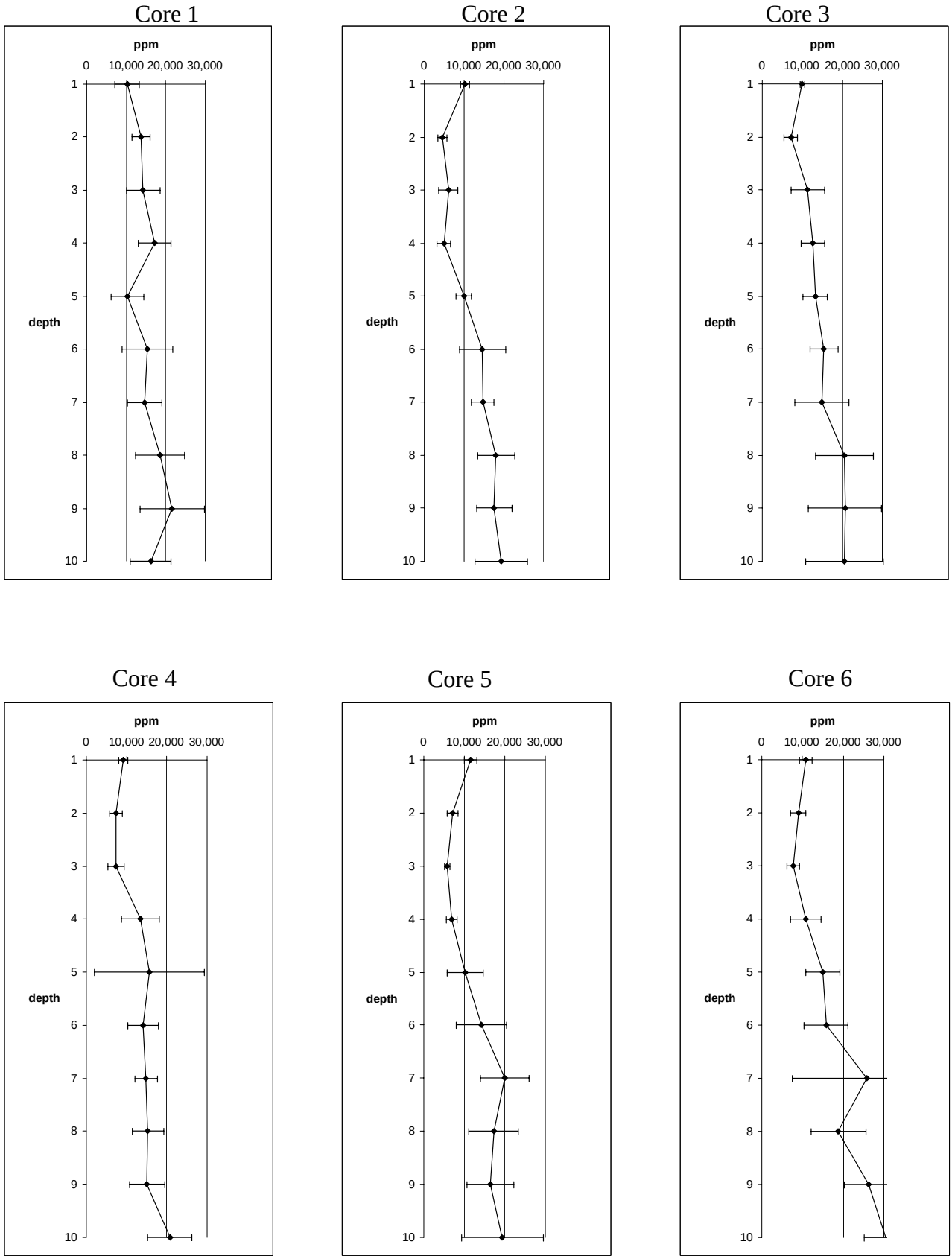
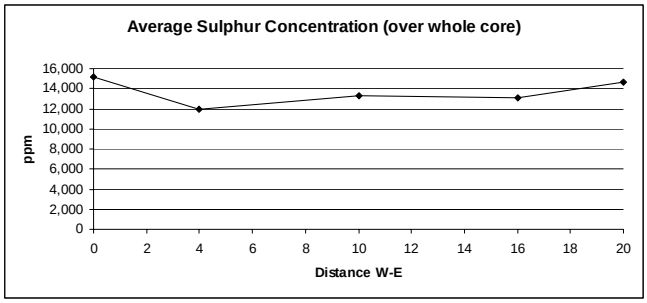
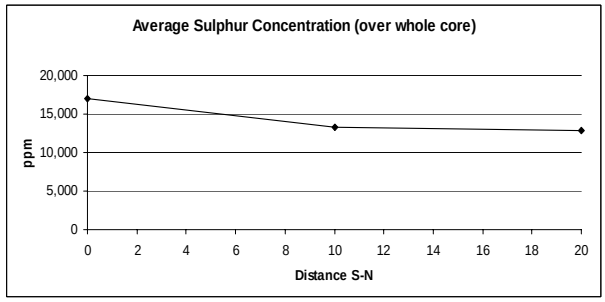
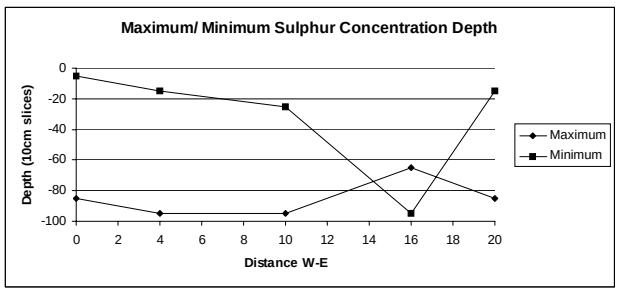
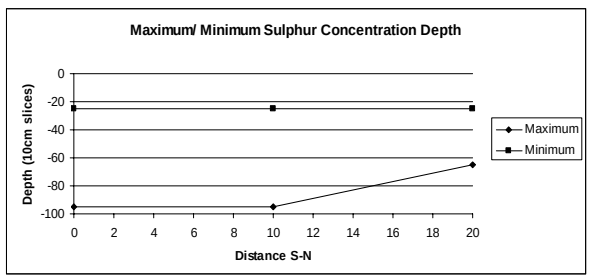


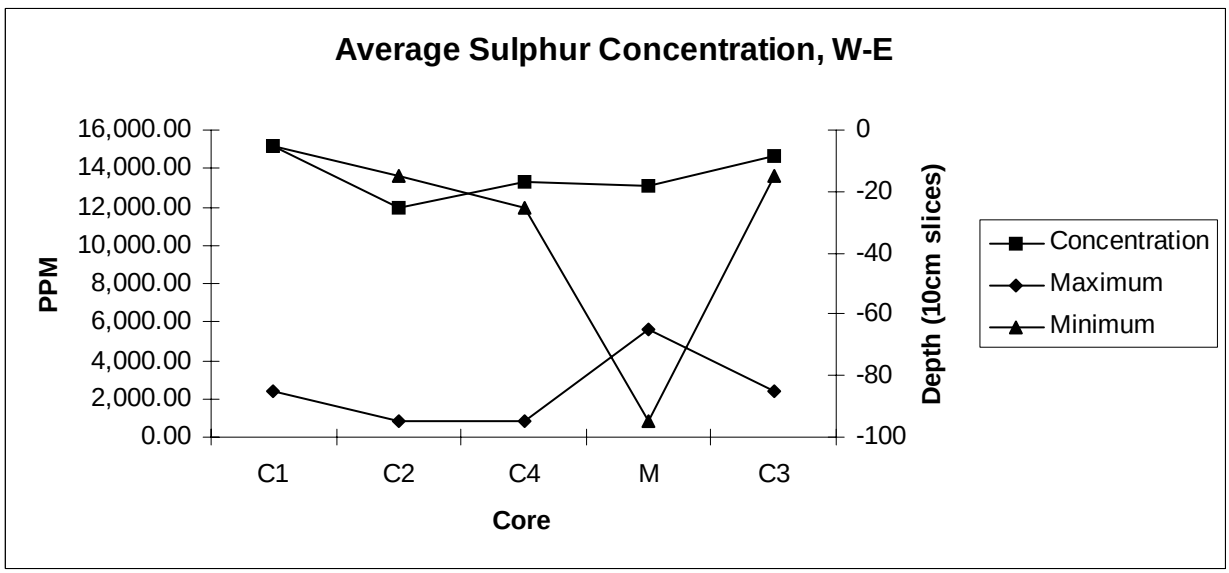
Figure 9.78 Sulphur concentrations over depth in the cores











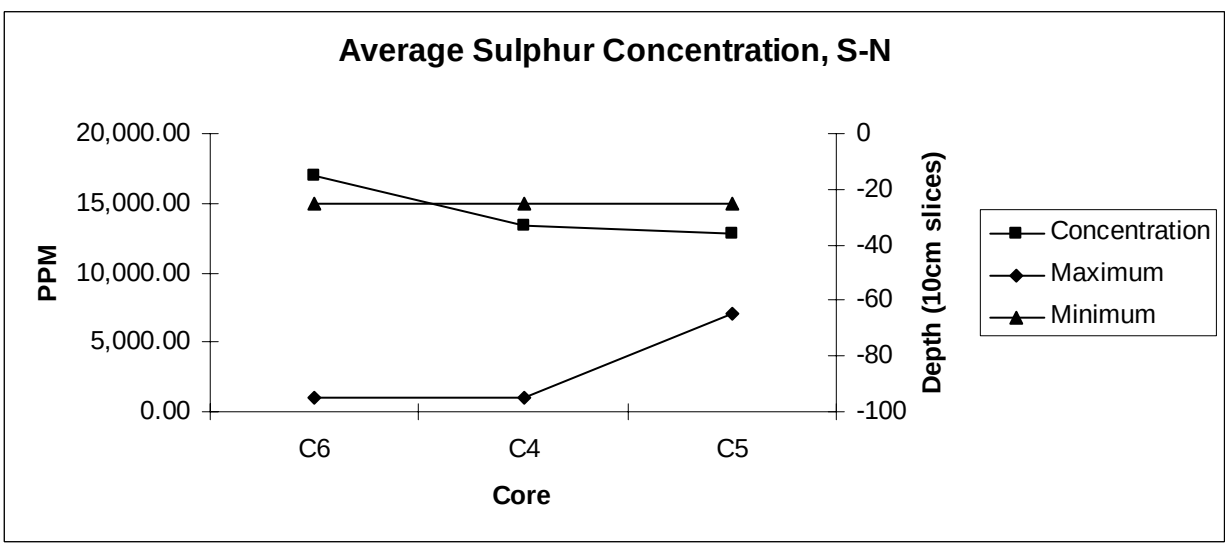


Figure 9.79 Summary of sulphur concentrations across the grid

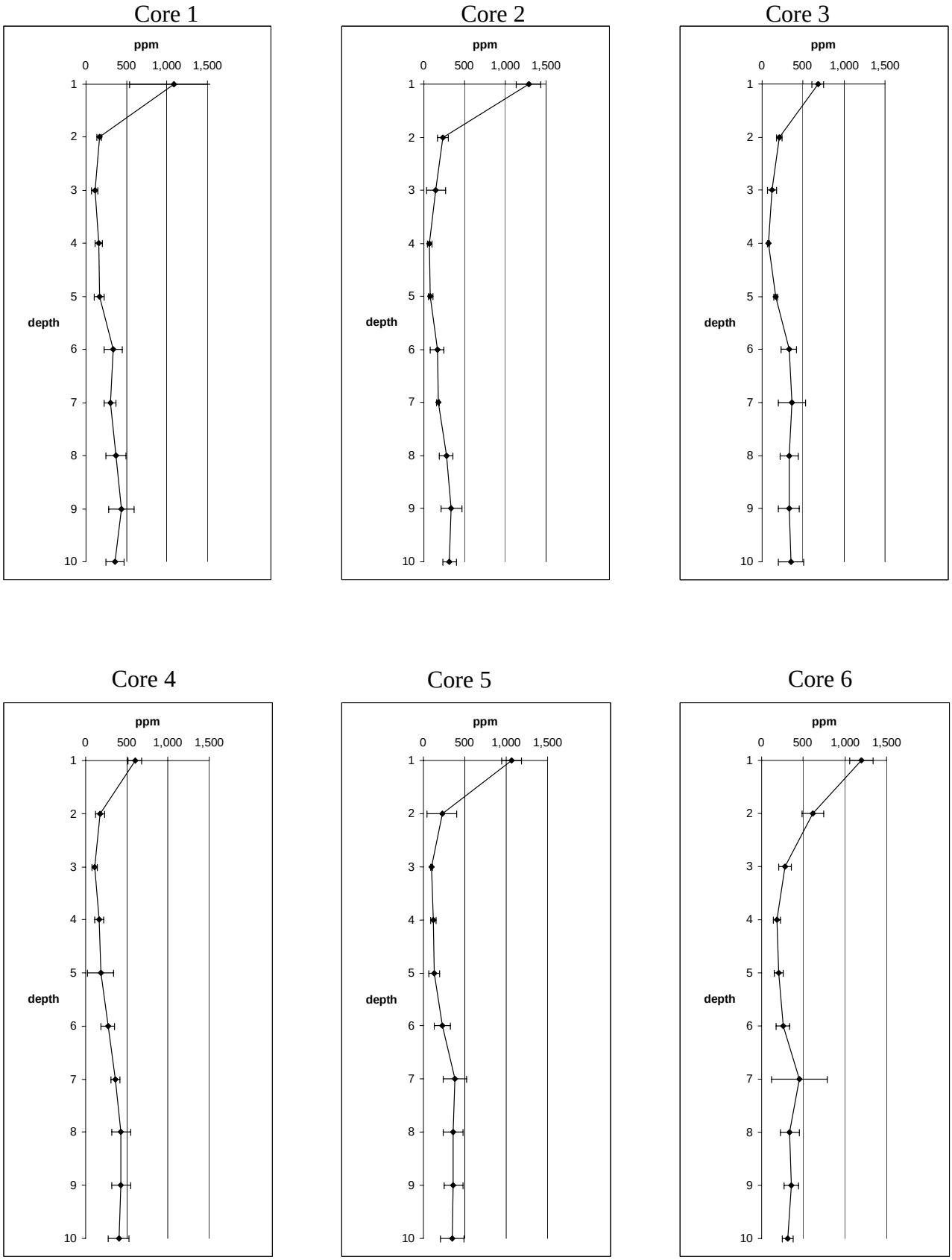
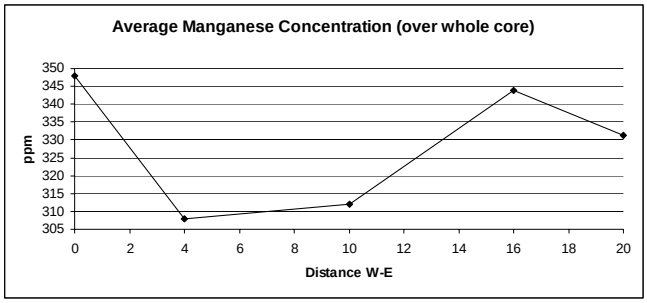
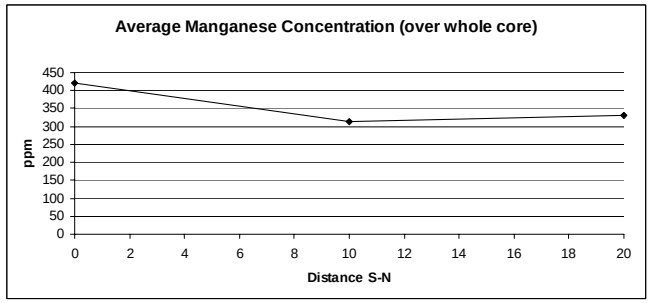
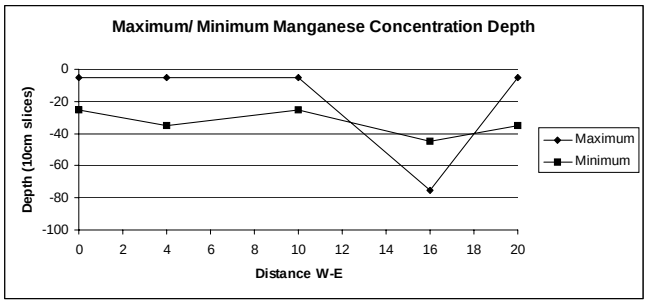
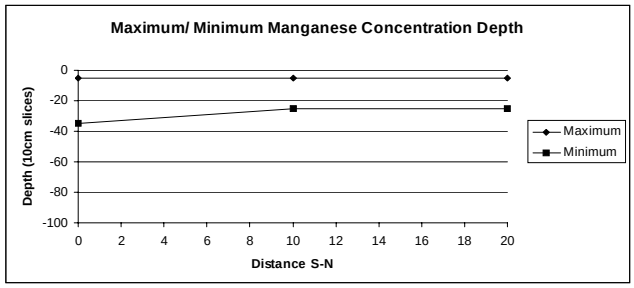


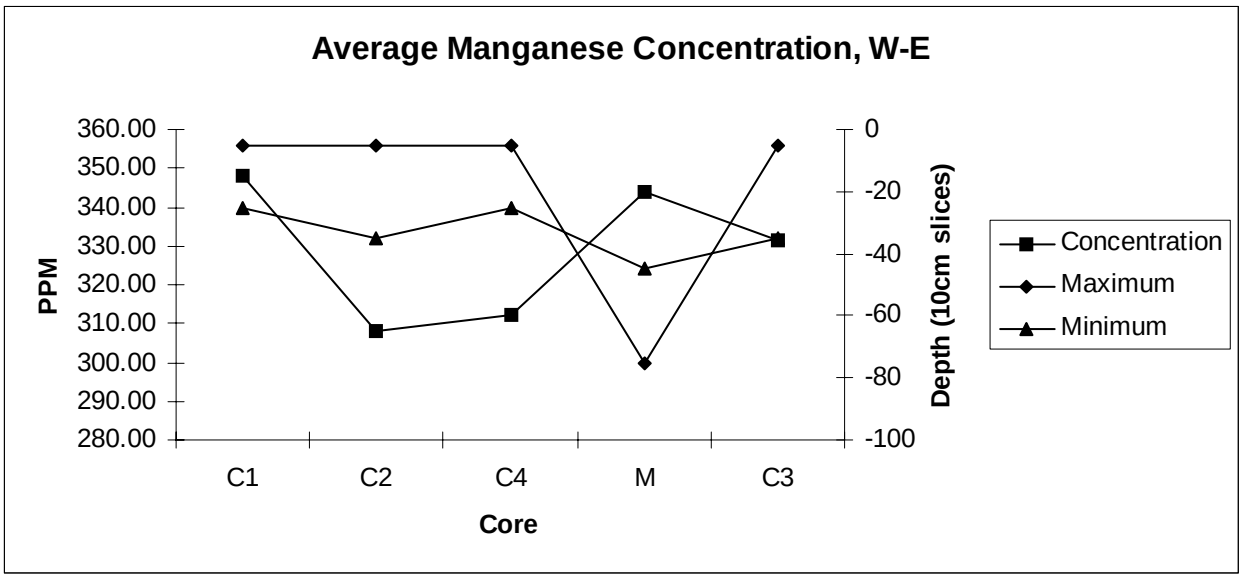
Figure 9.80 Manganese concentrations over depth in the cores











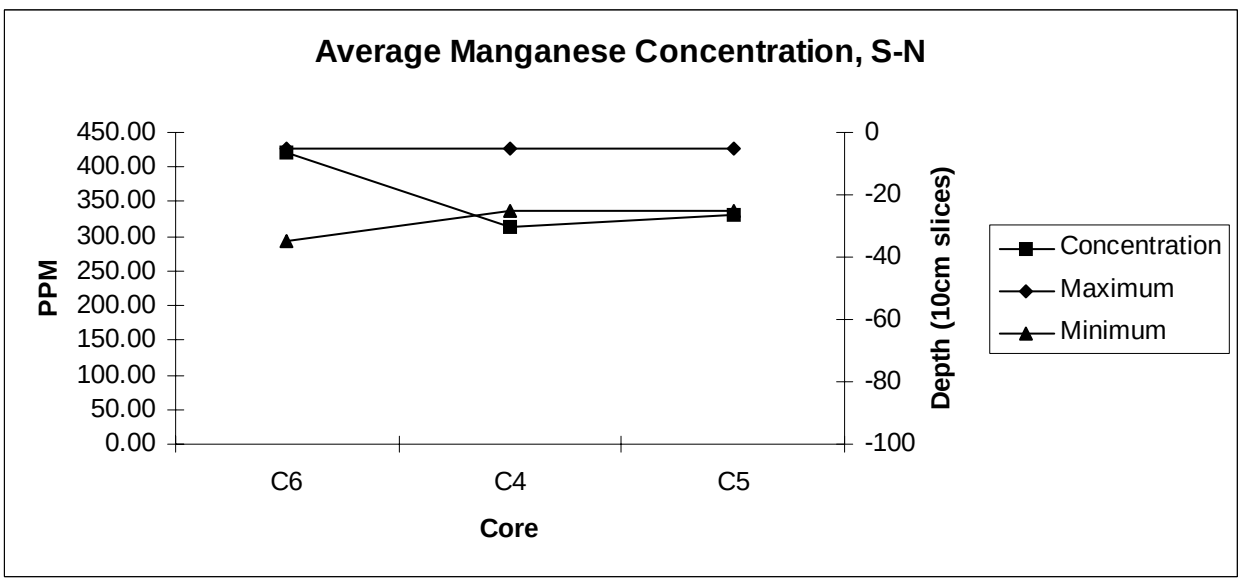


Figure 9.81 Summary of manganese concentrations across the grid

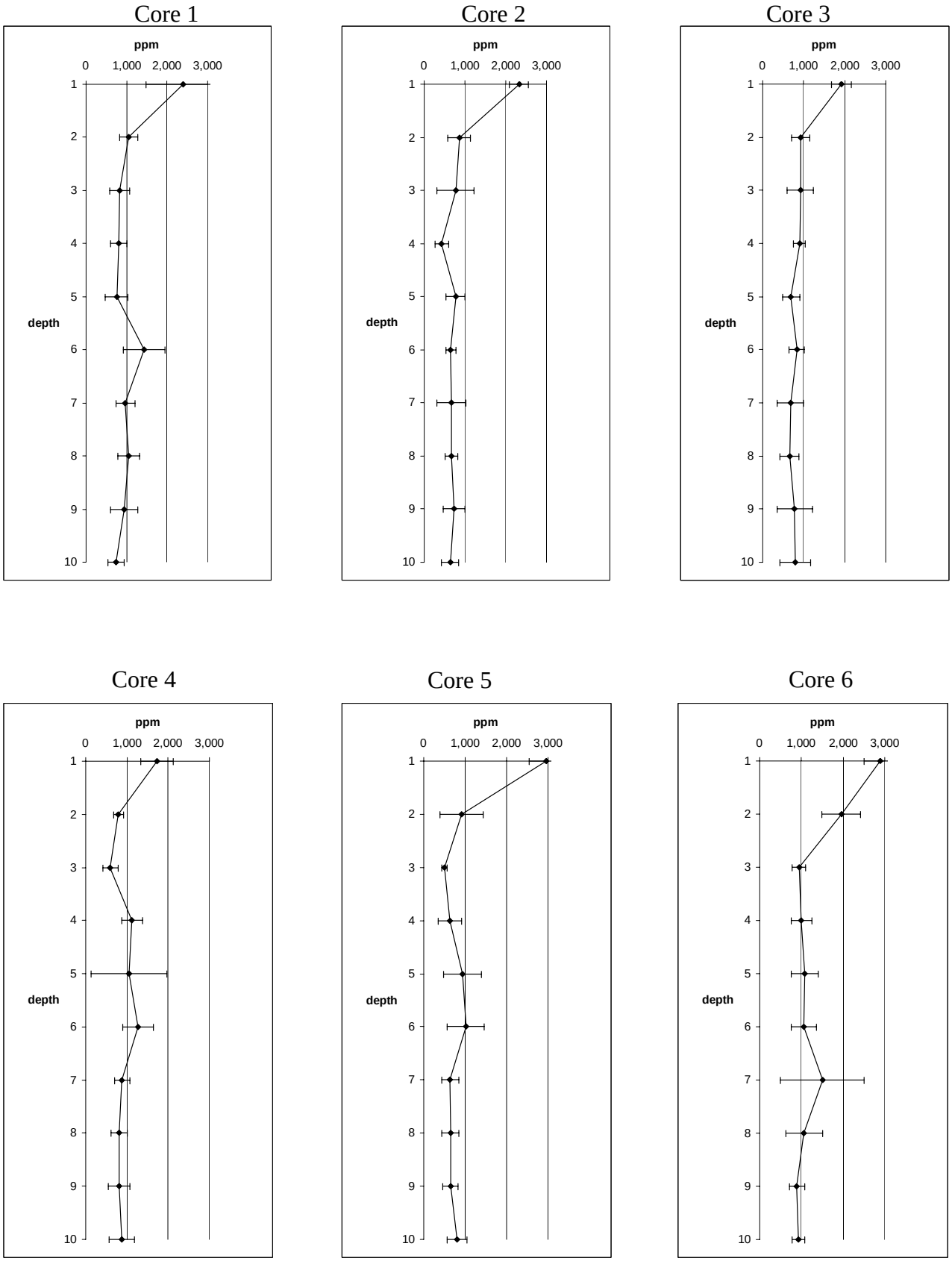
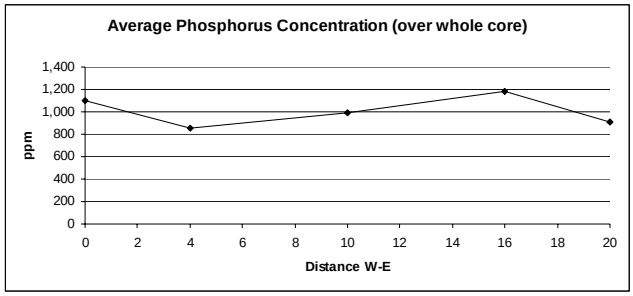
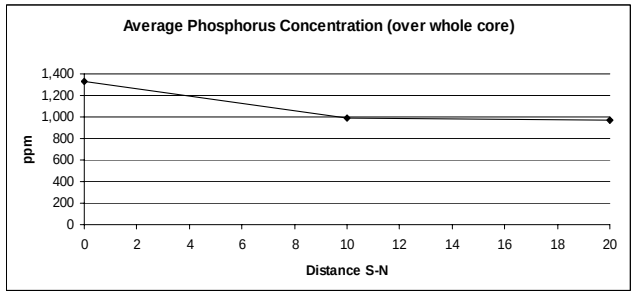
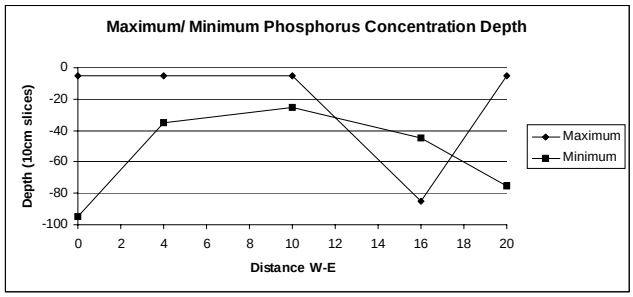
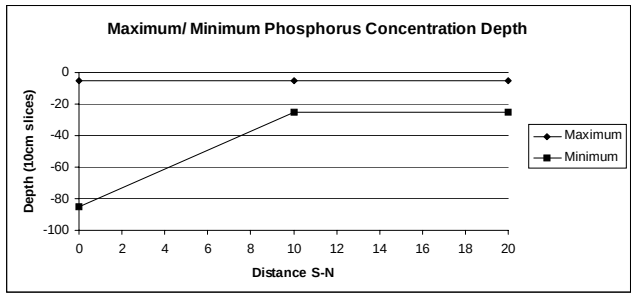


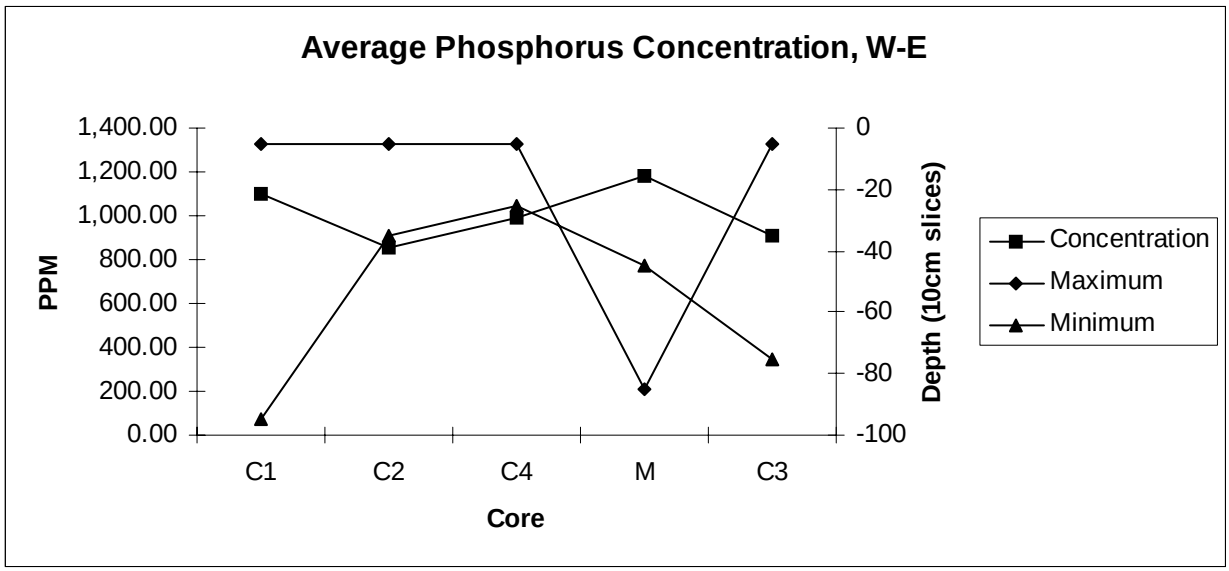
Figure 9.82 Phosphorus concentrations over depth in the cores











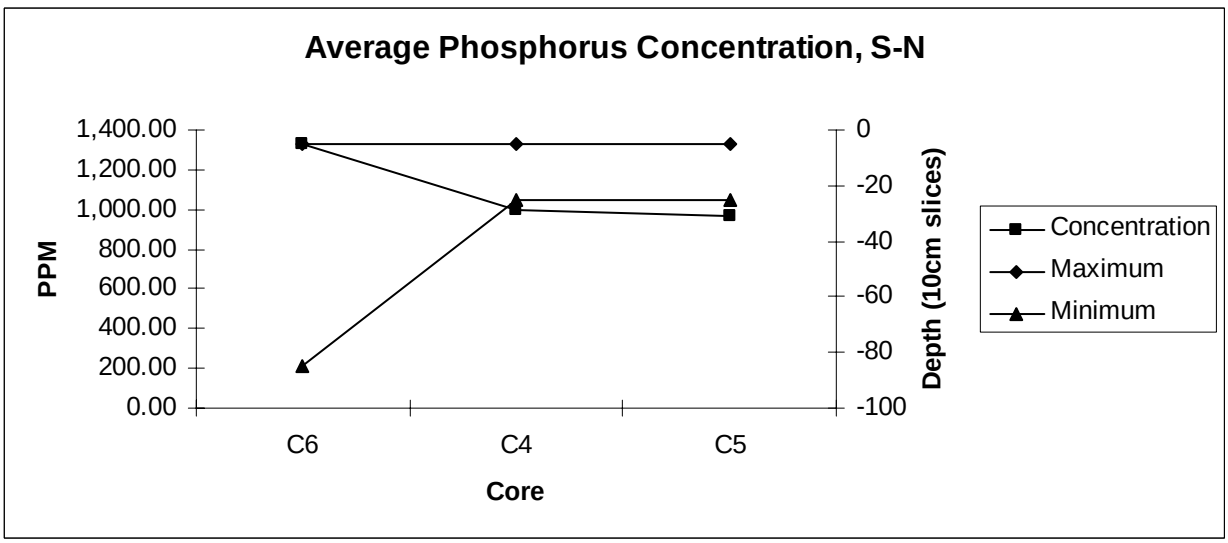


Figure 9.82 Summary of phosphorus concentrations across the grid

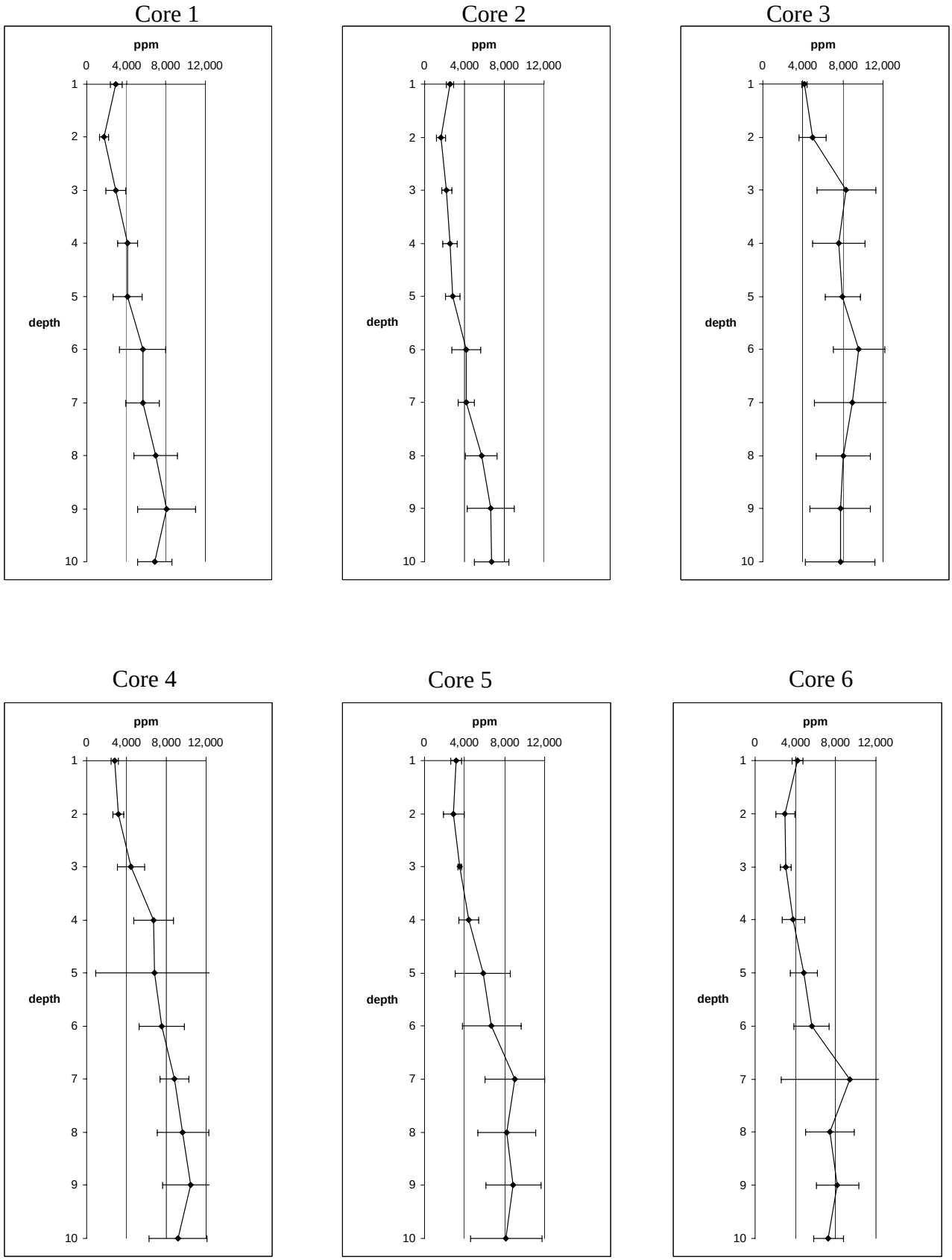
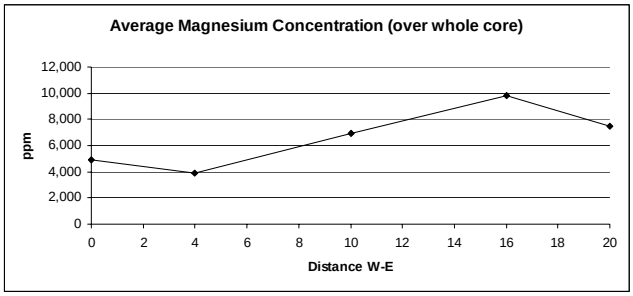
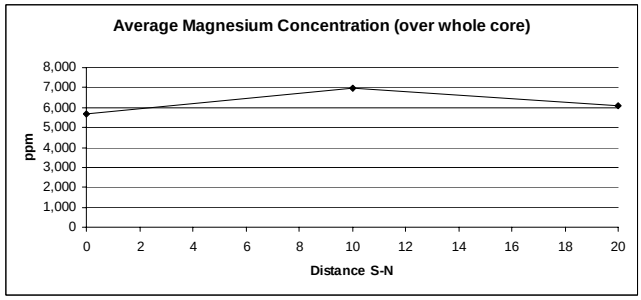
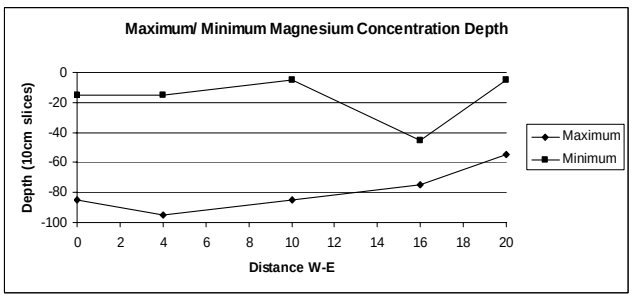
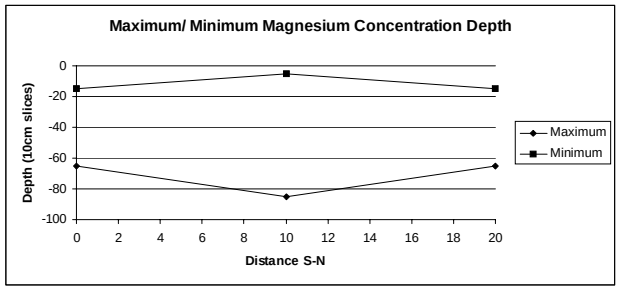


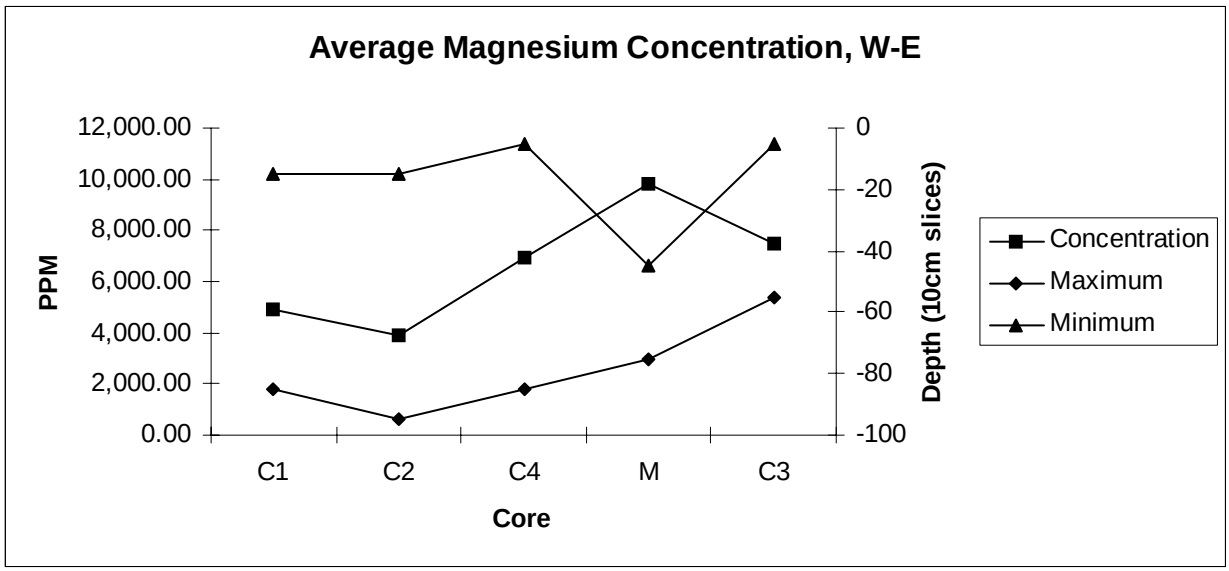
Figure 9.83 Magnesium concentrations over depth in the cores











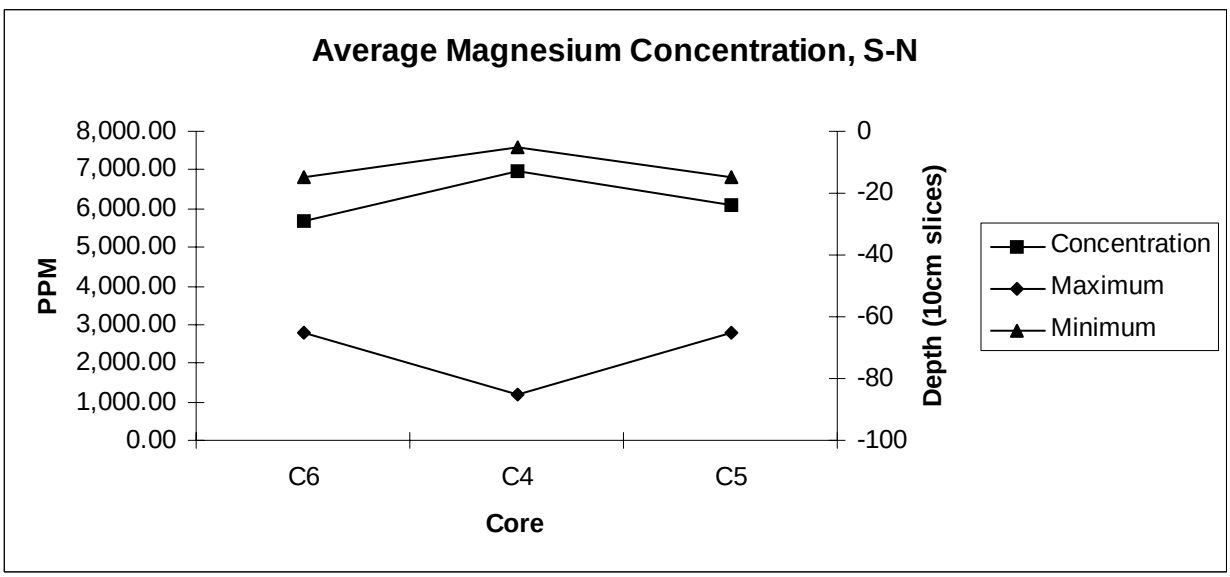
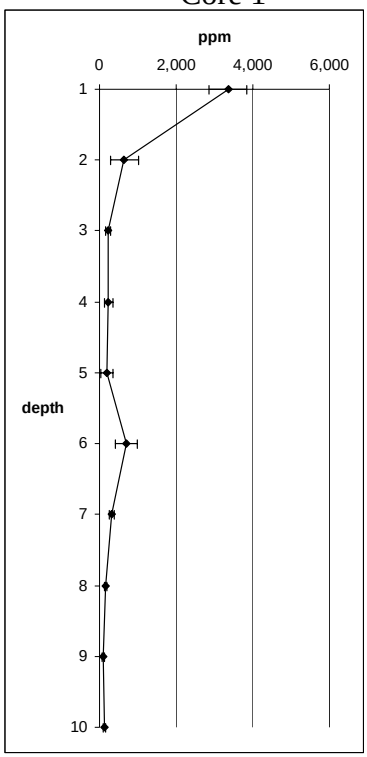
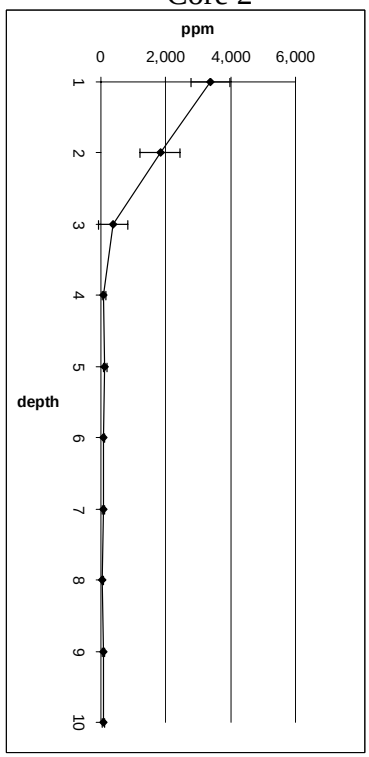


Figure 9.84 Summary of magnesium concentrations across the grid

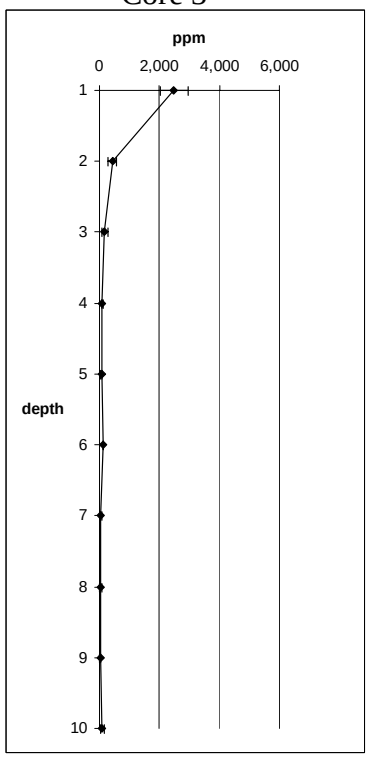
Core 1



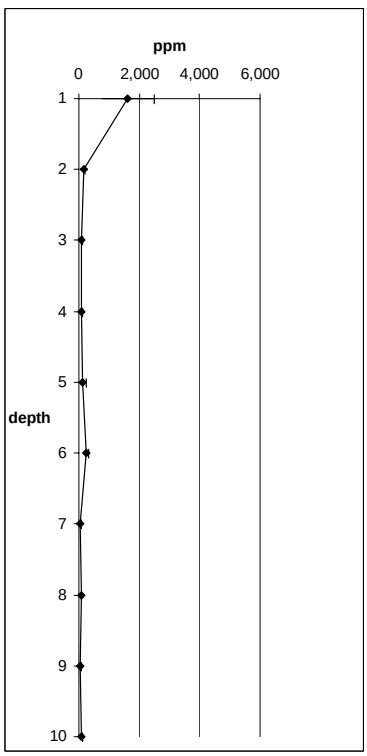
Core 2



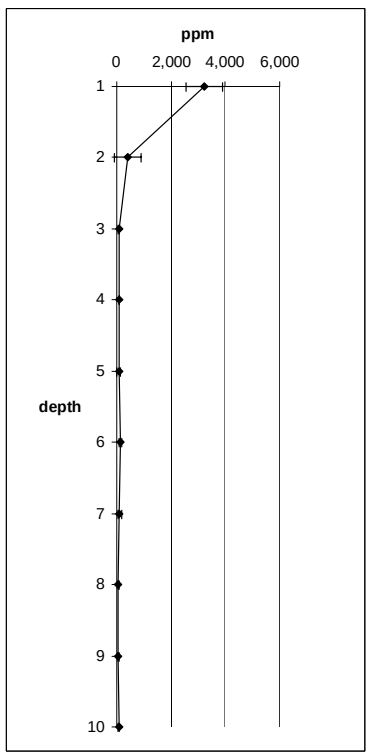
Core 3



Core 4



Core 5



Core 6

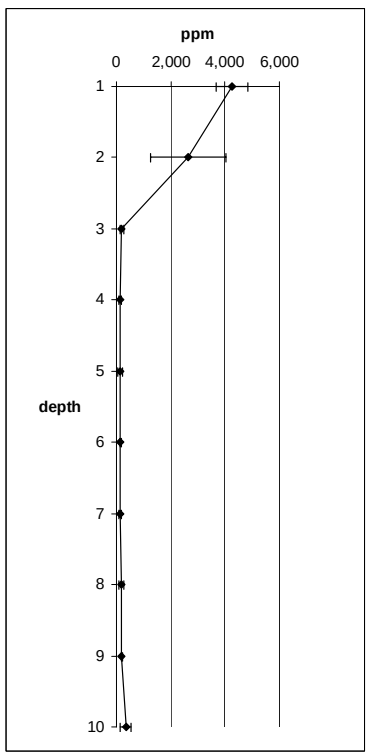
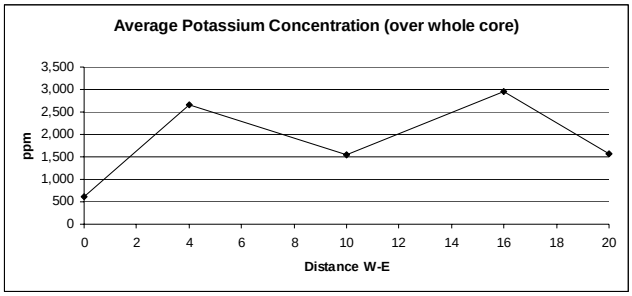
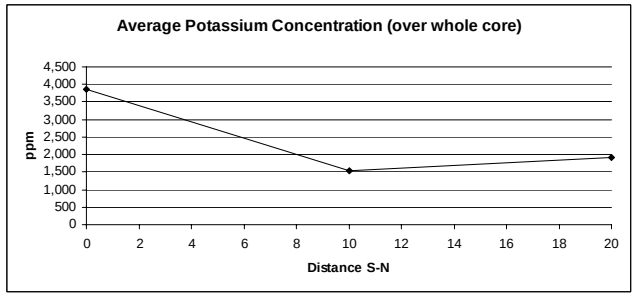
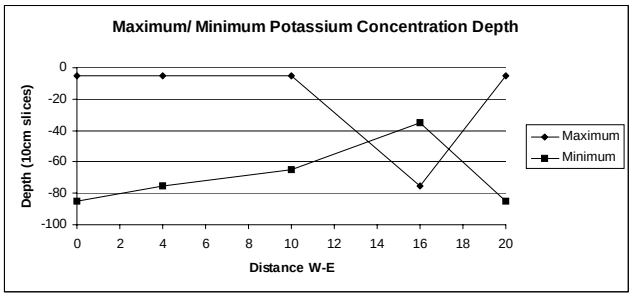
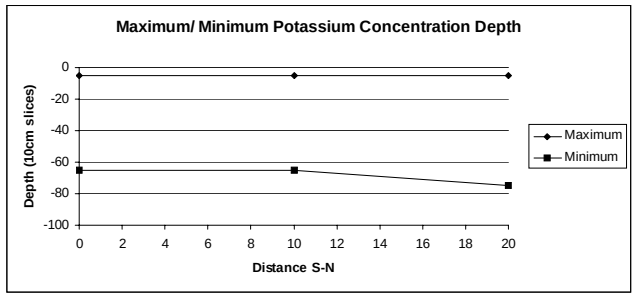


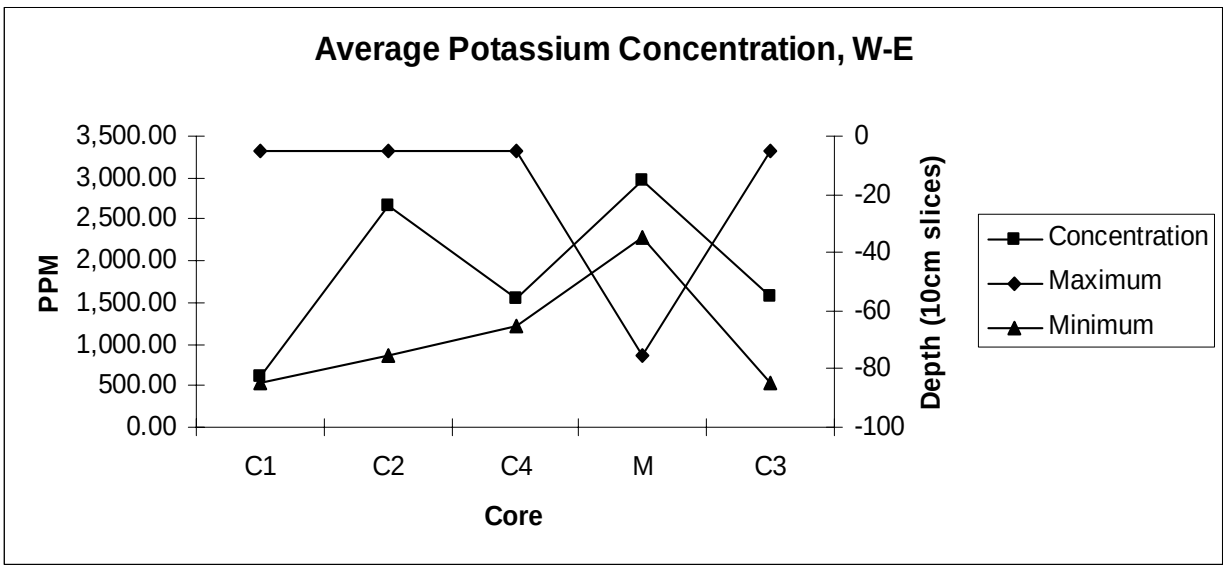
Figure 9.85 Potassium concentrations over depth in the cores











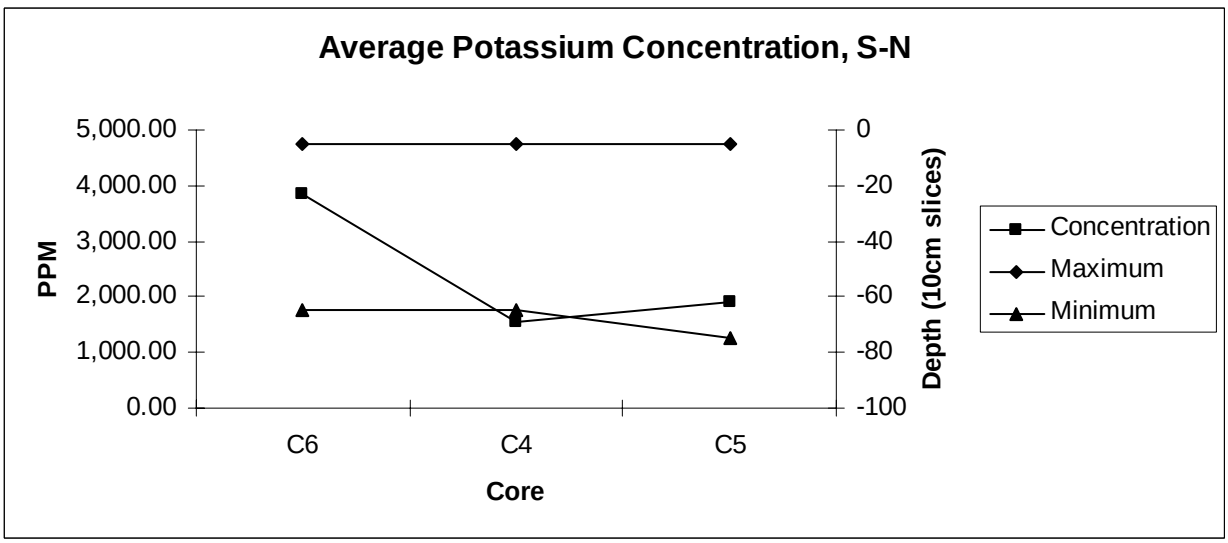


Figure 9.86 Summary of potassium concentrations across the grid

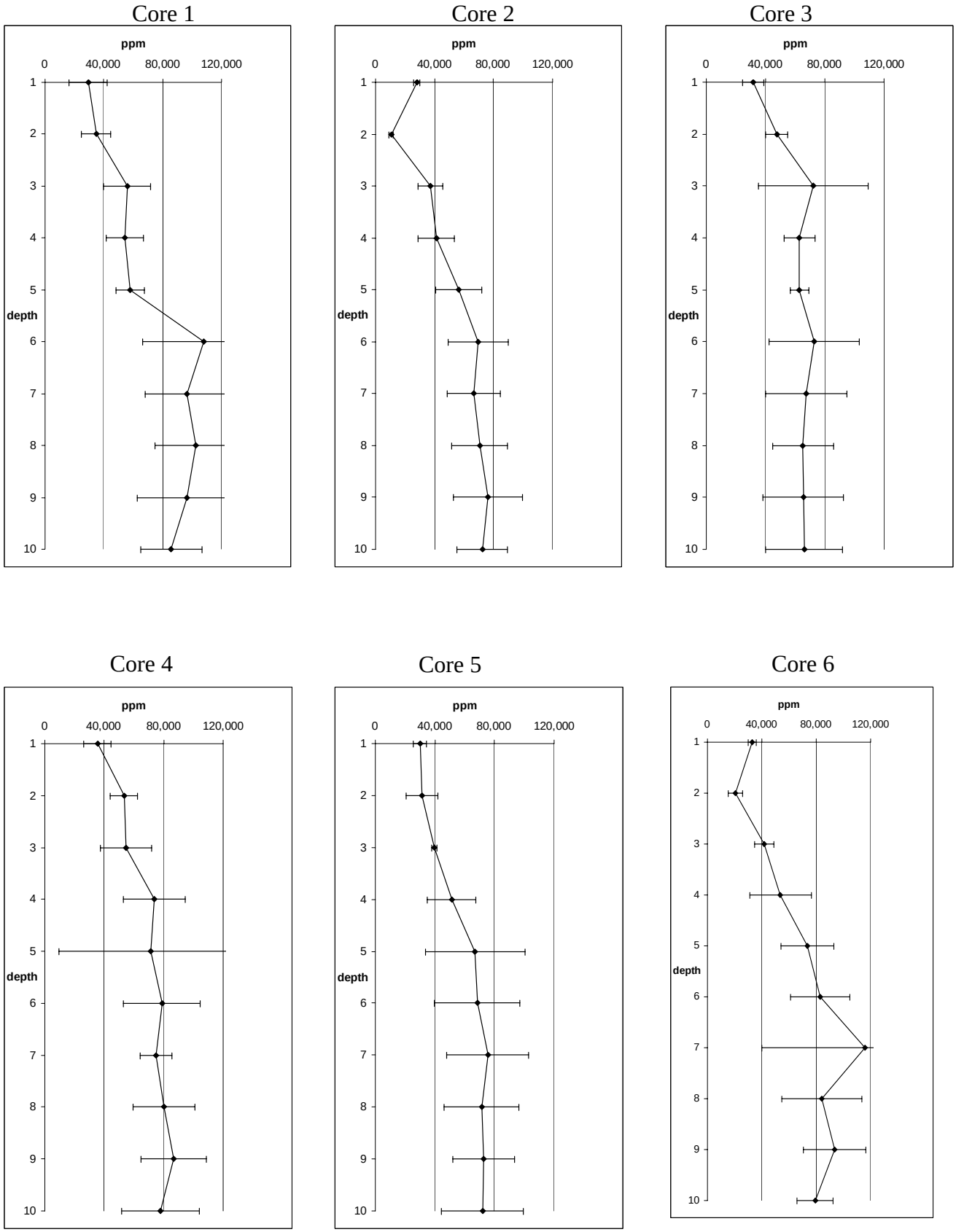
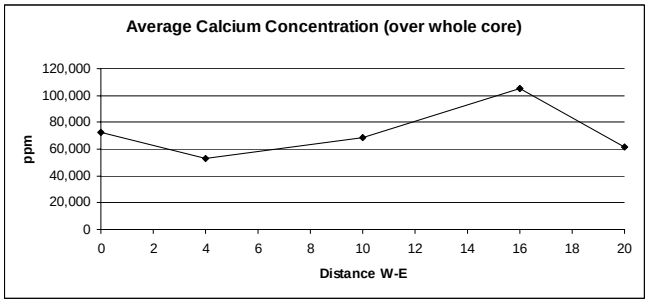
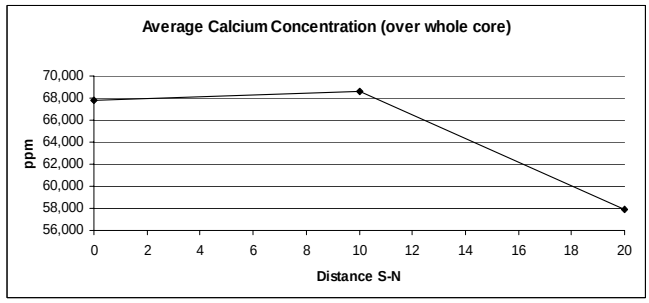
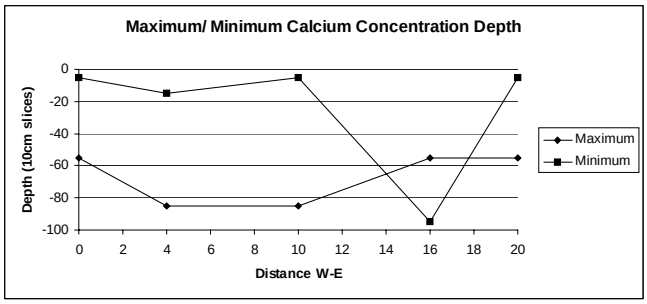
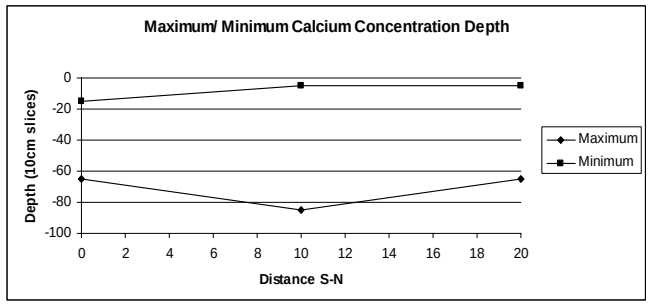


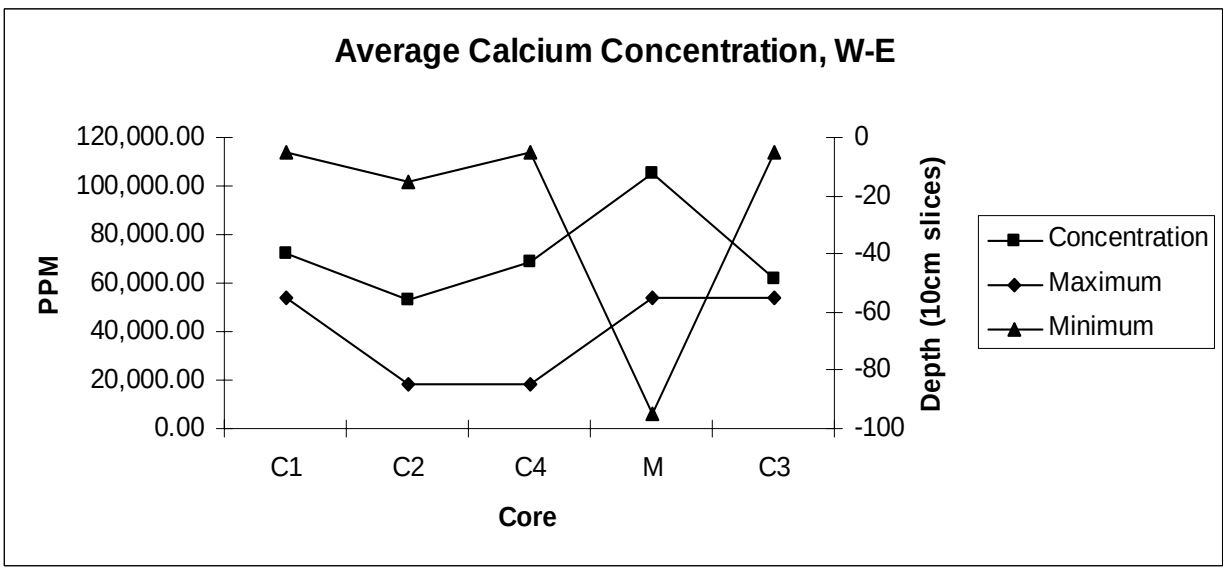
Figure 9.87 Calcium concentrations over depth in the cores











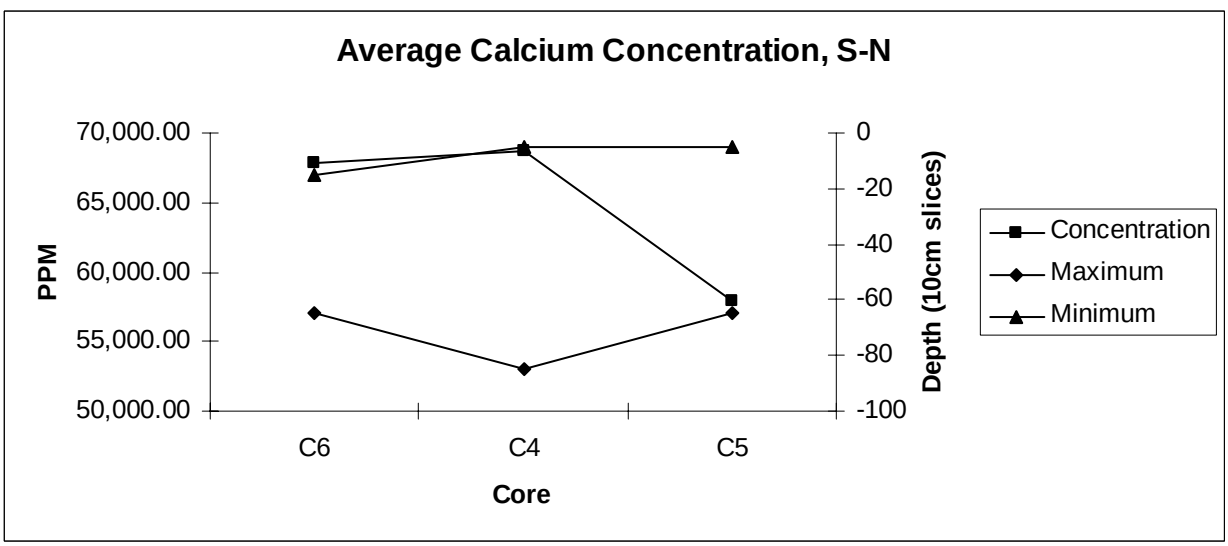


Figure 9.88 Summary of calcium concentrations across the grid

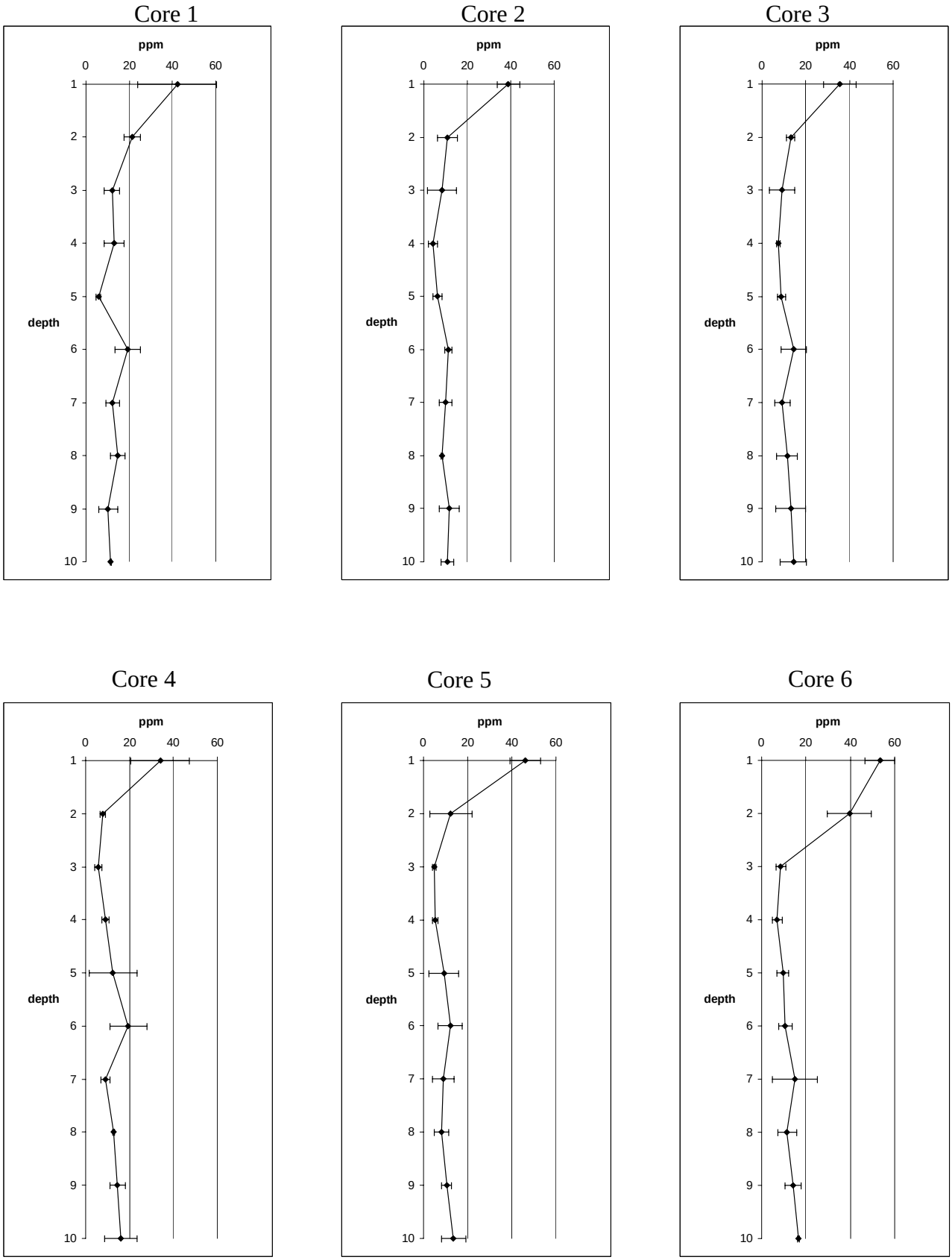
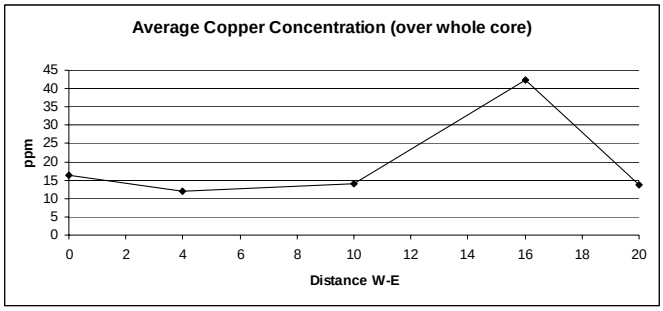
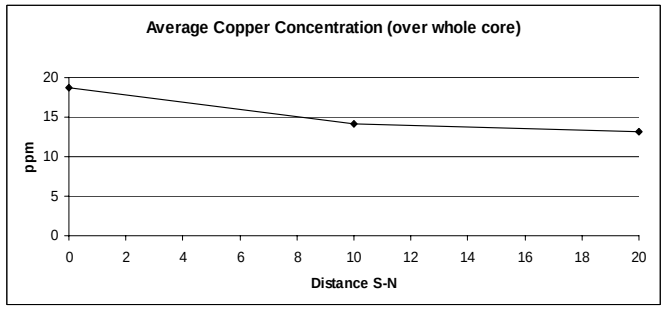
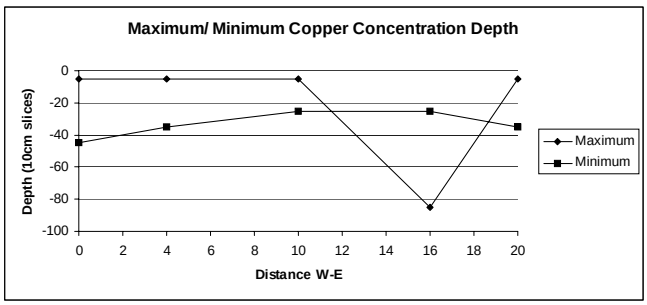
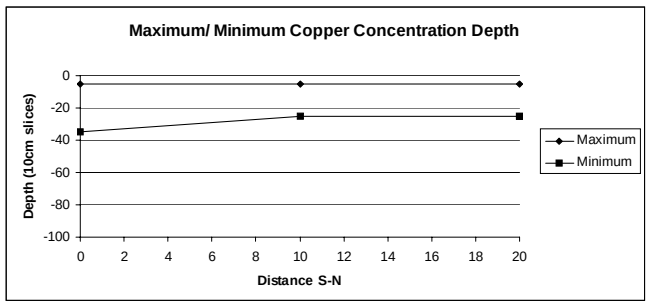


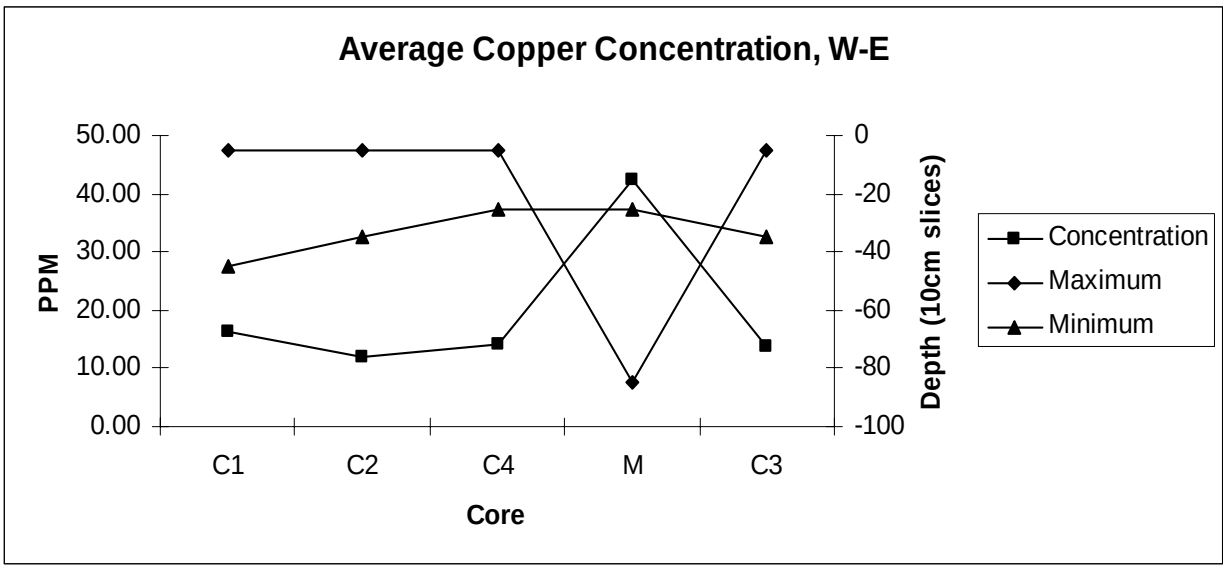
Figure 9.89 Copper concentrations over depth in the cores











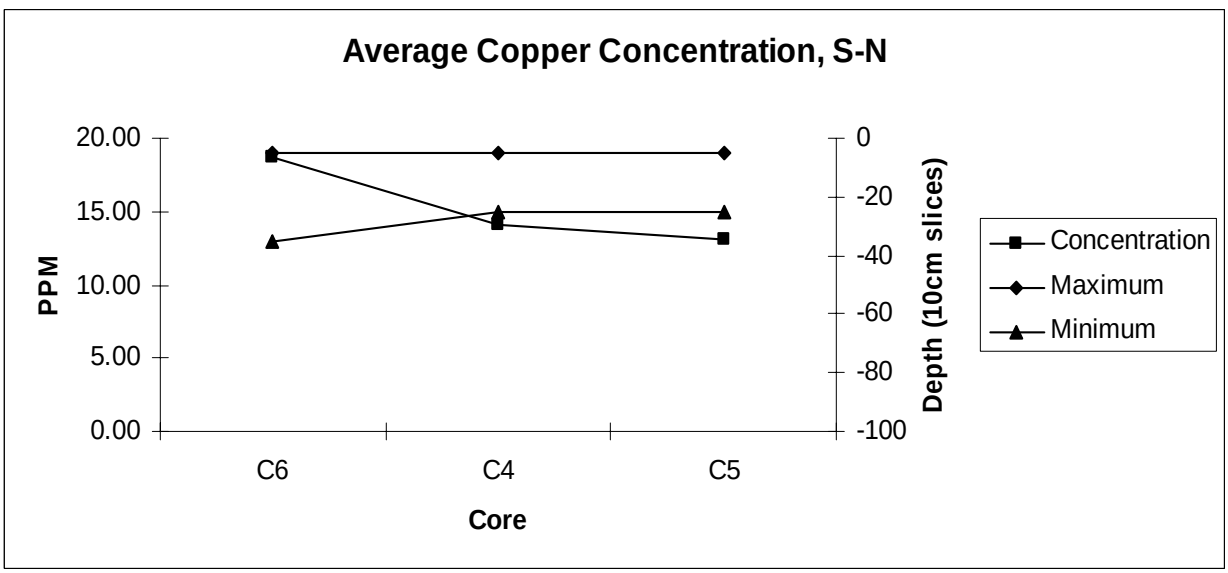


Figure 9.90 Summary of copper concentrations across the grid

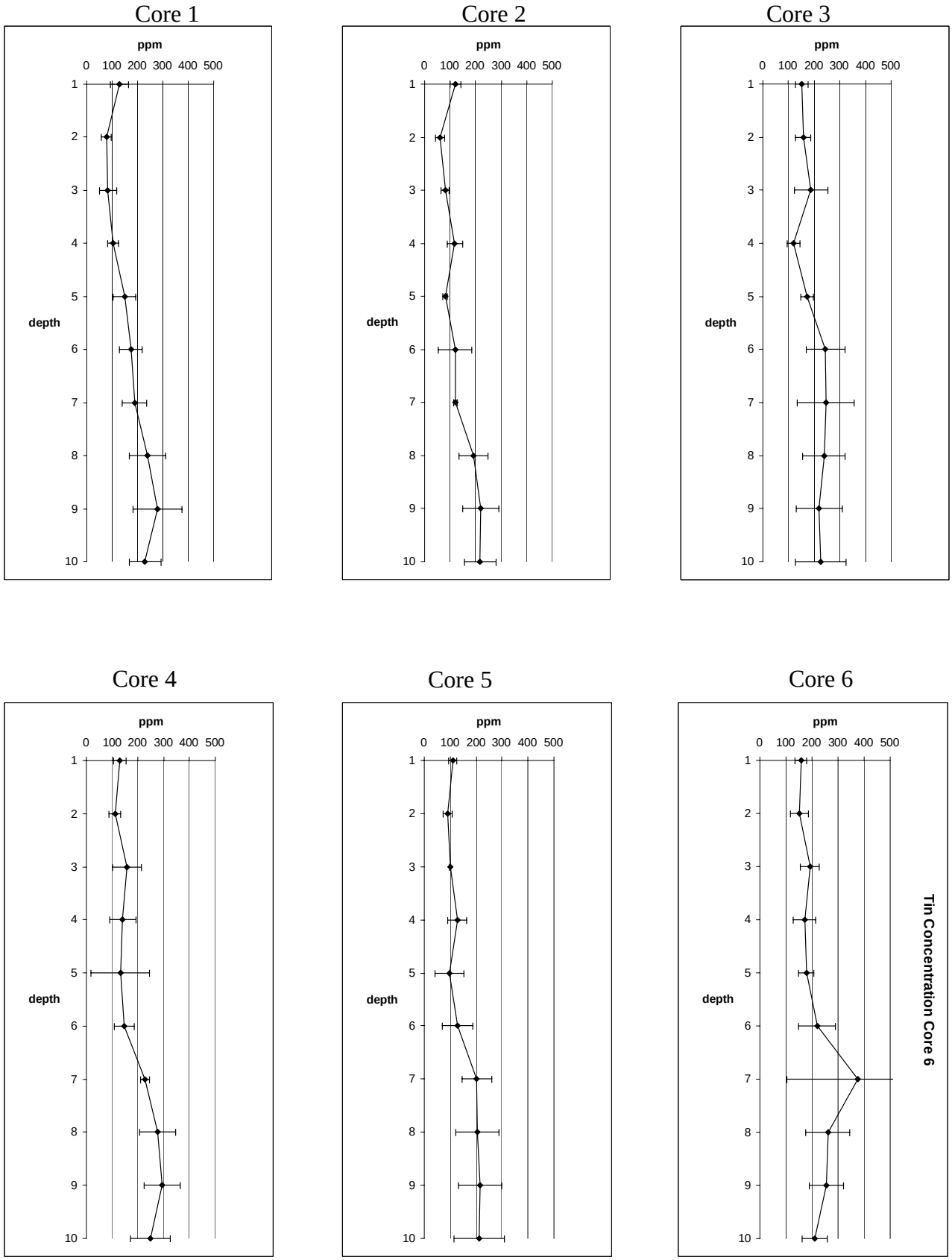
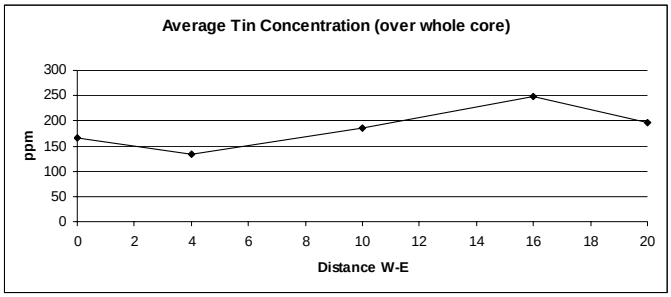
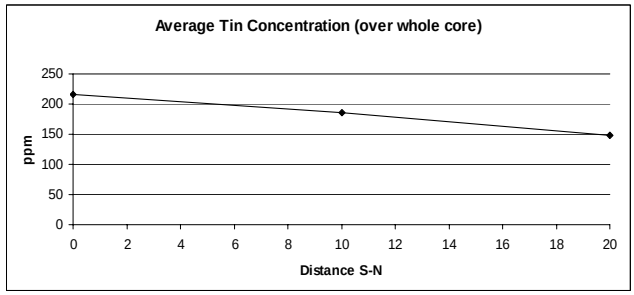
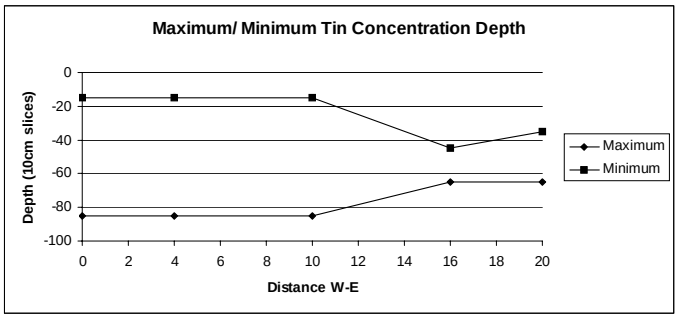
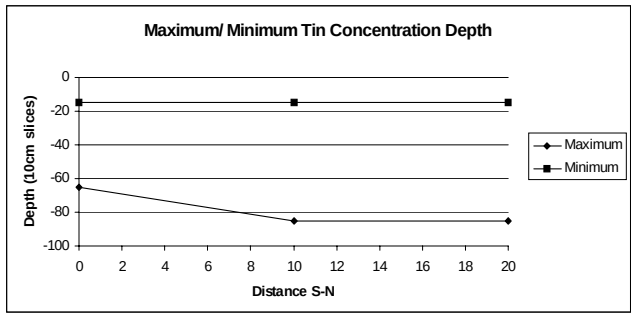


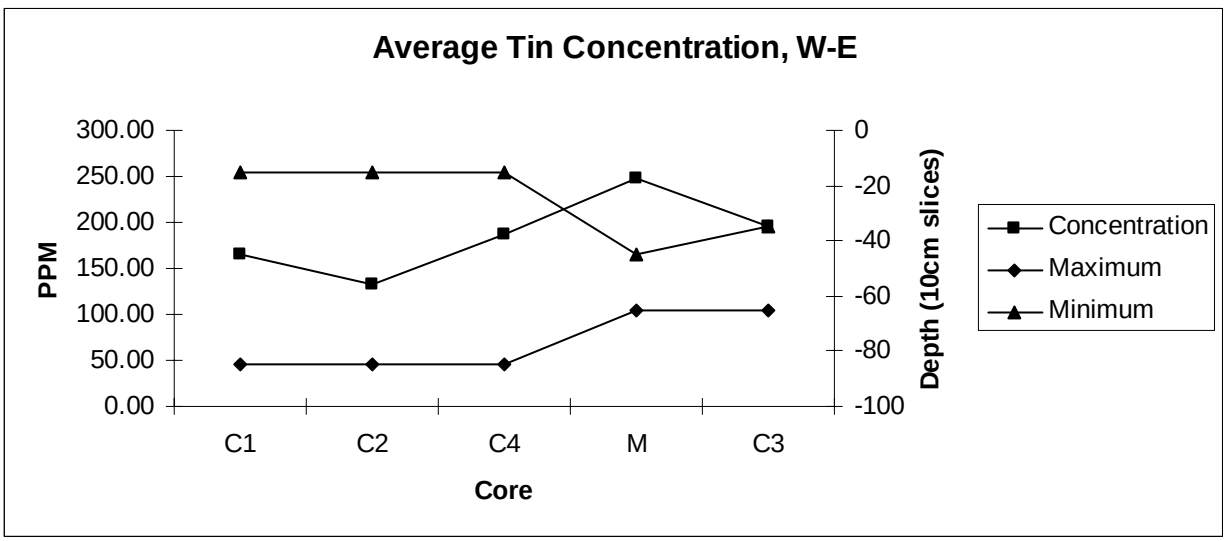
Figure 9.91 Tin concentrations over depth in the cores











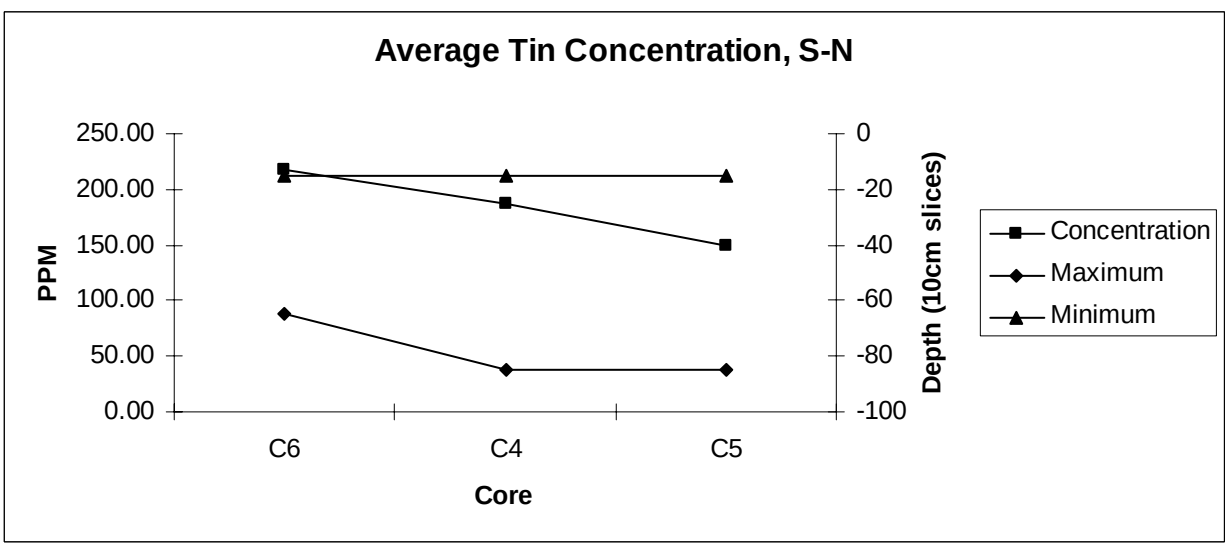


Figure 9.92 Summary of tin concentrations across the grid

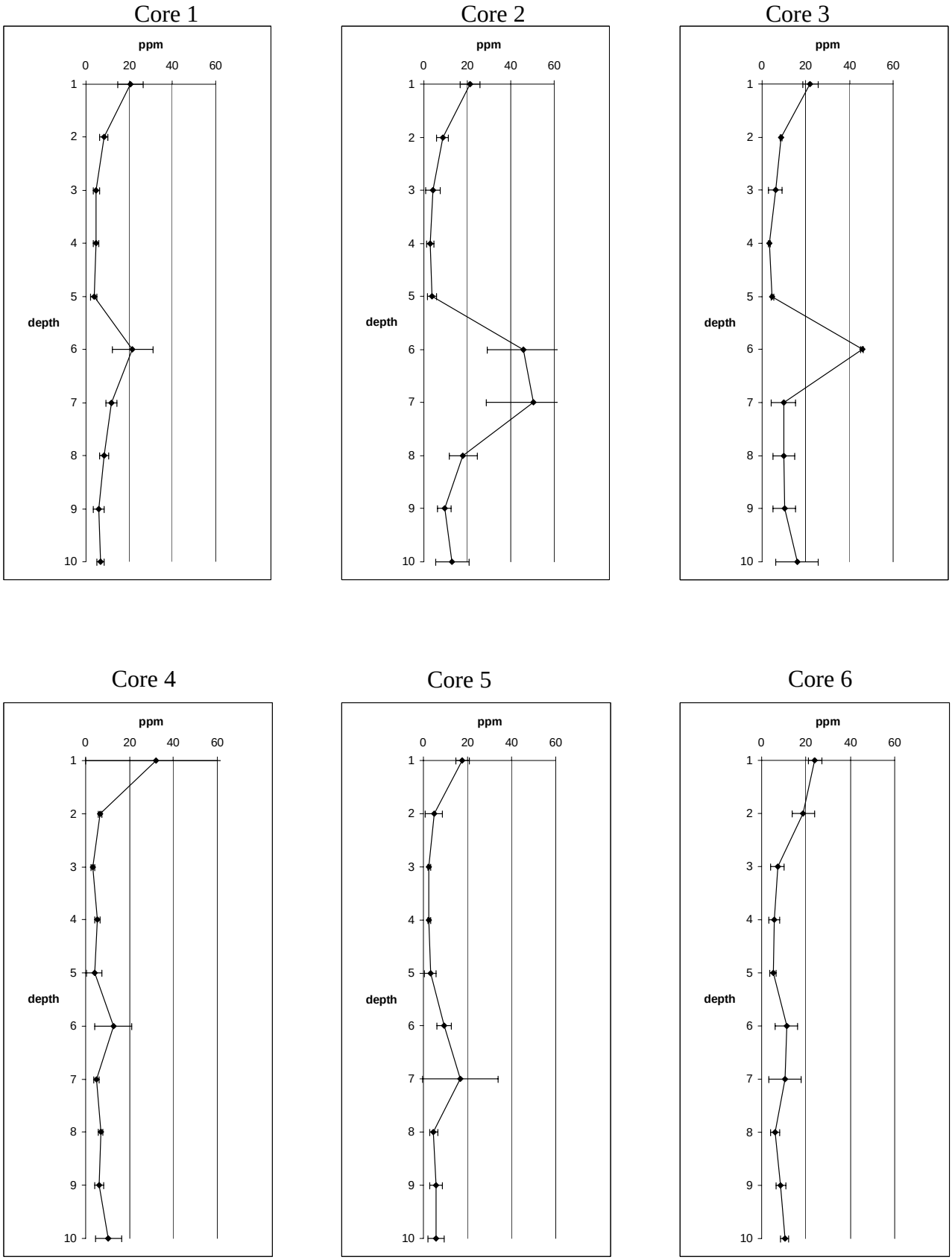
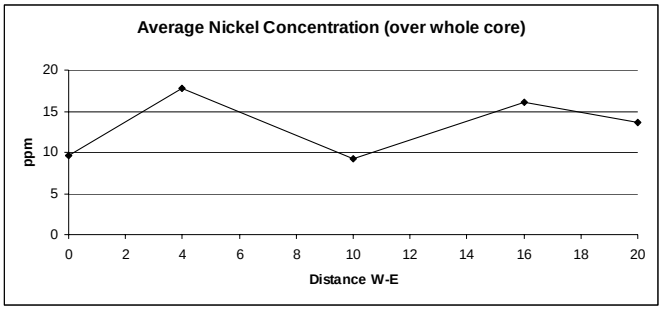
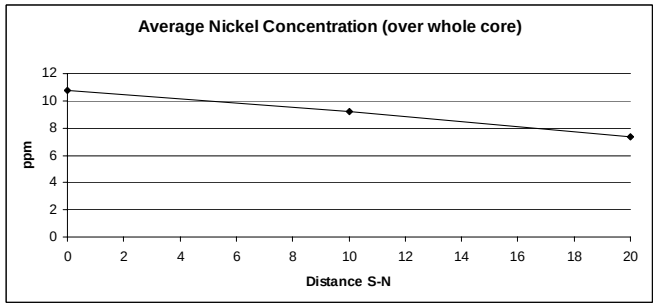
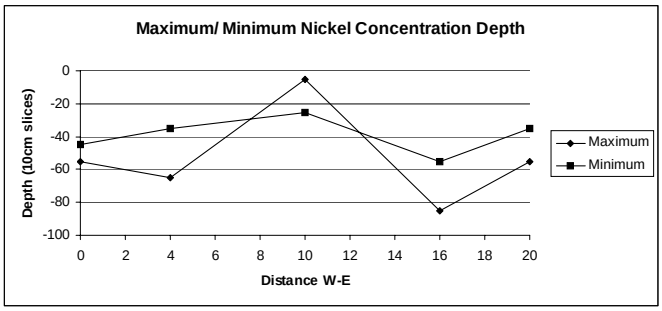
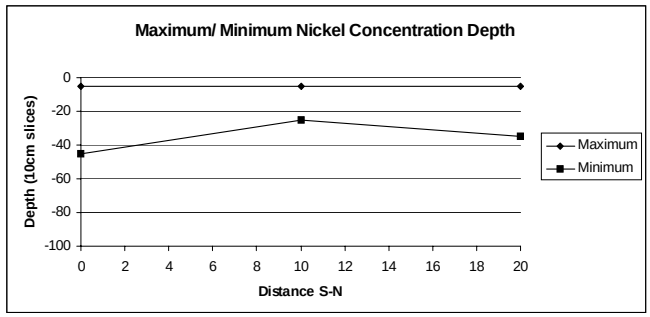


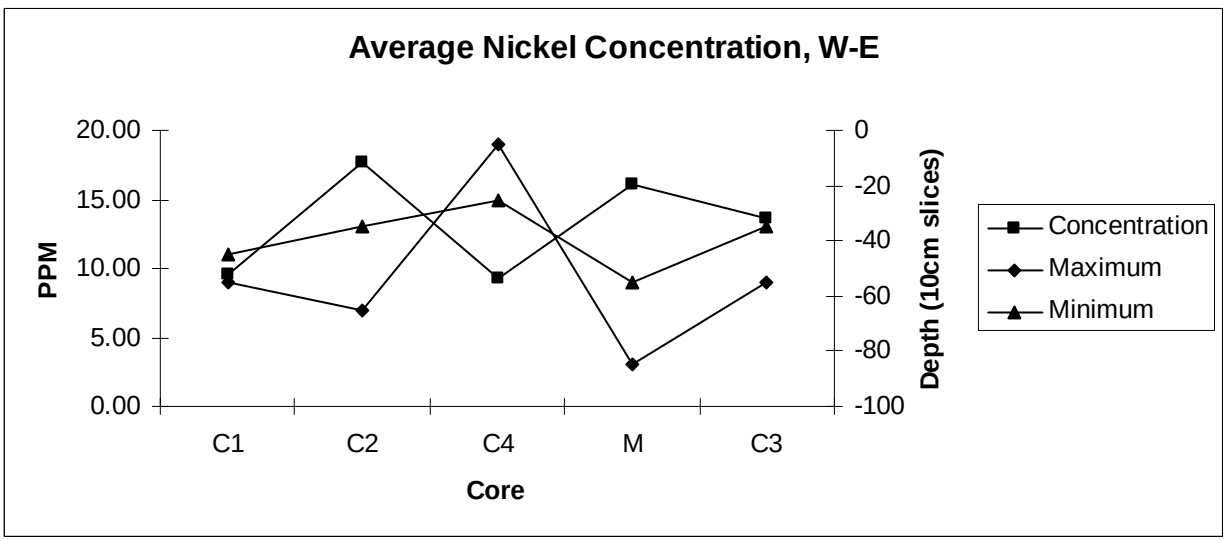
Figure 9.93 Nickel concentrations over depth in the cores











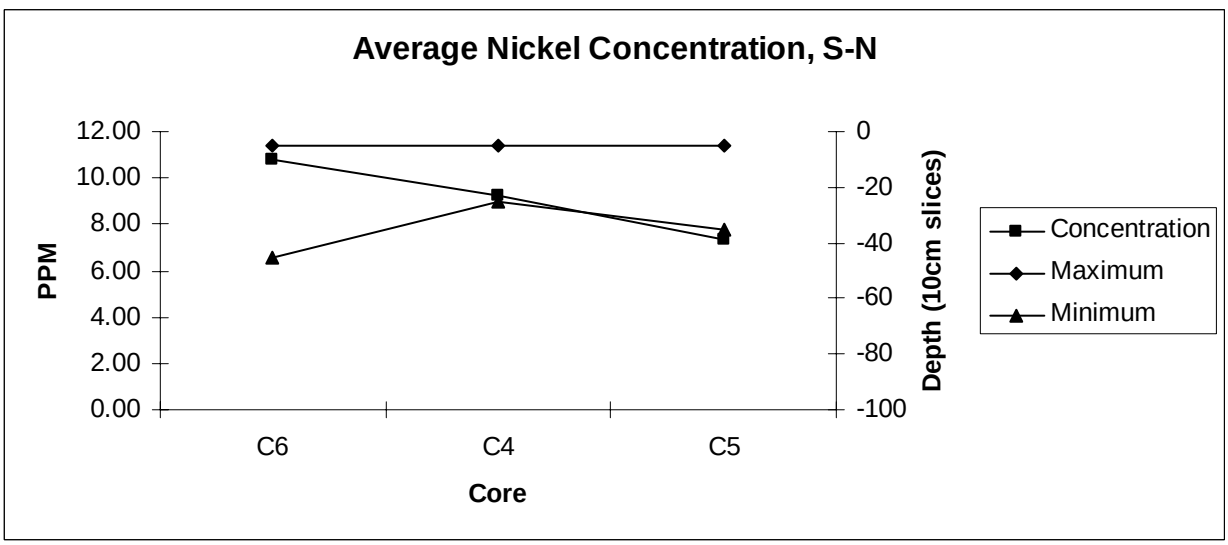


Figure 9.94 Summary of nickel concentrations across the grid

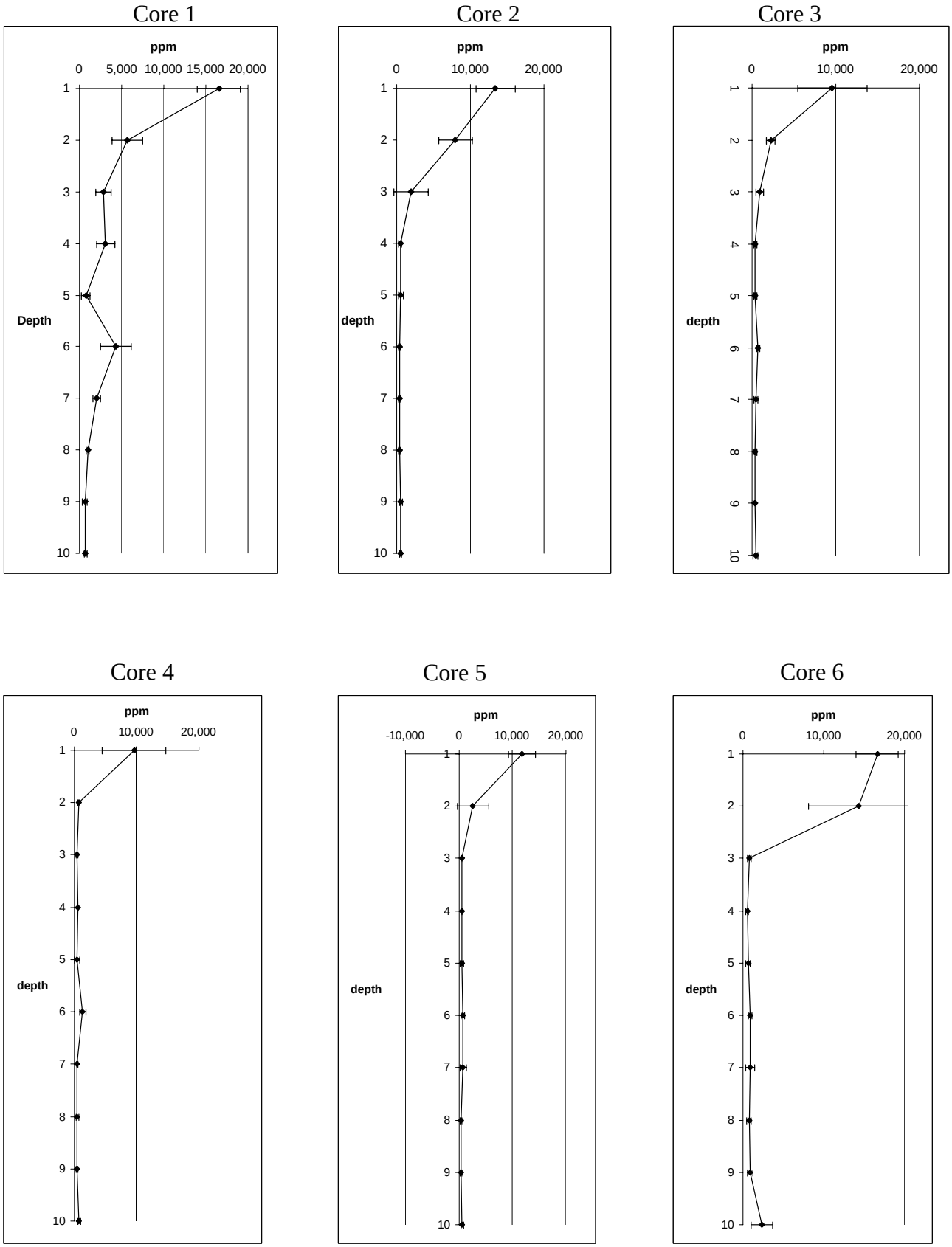
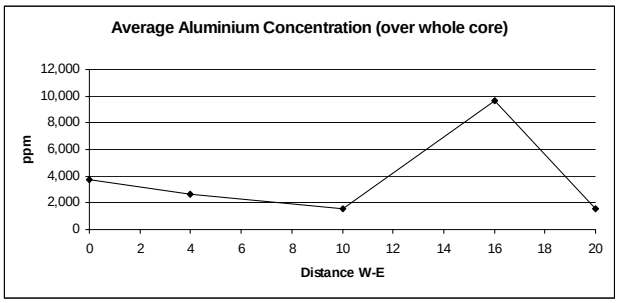
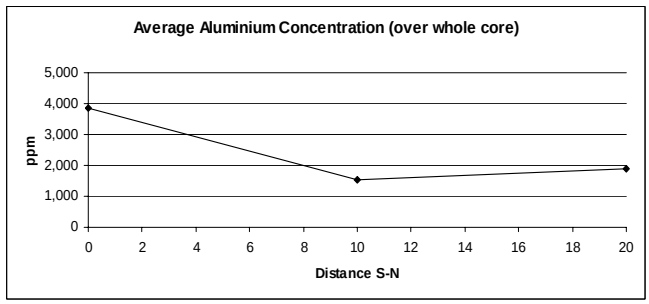
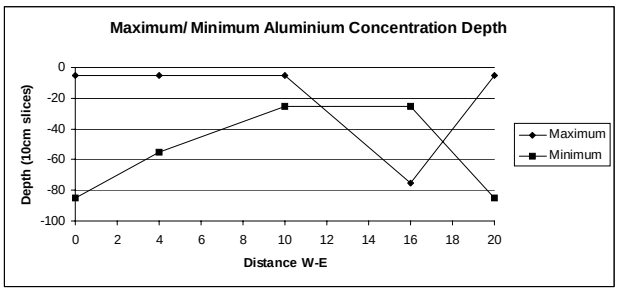
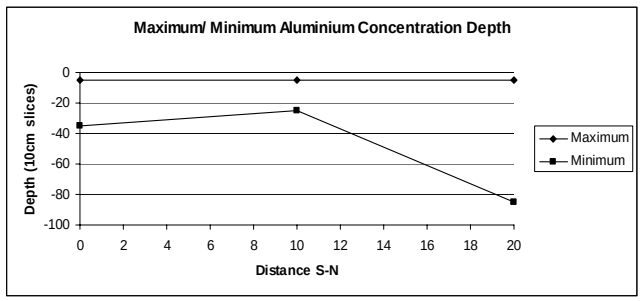


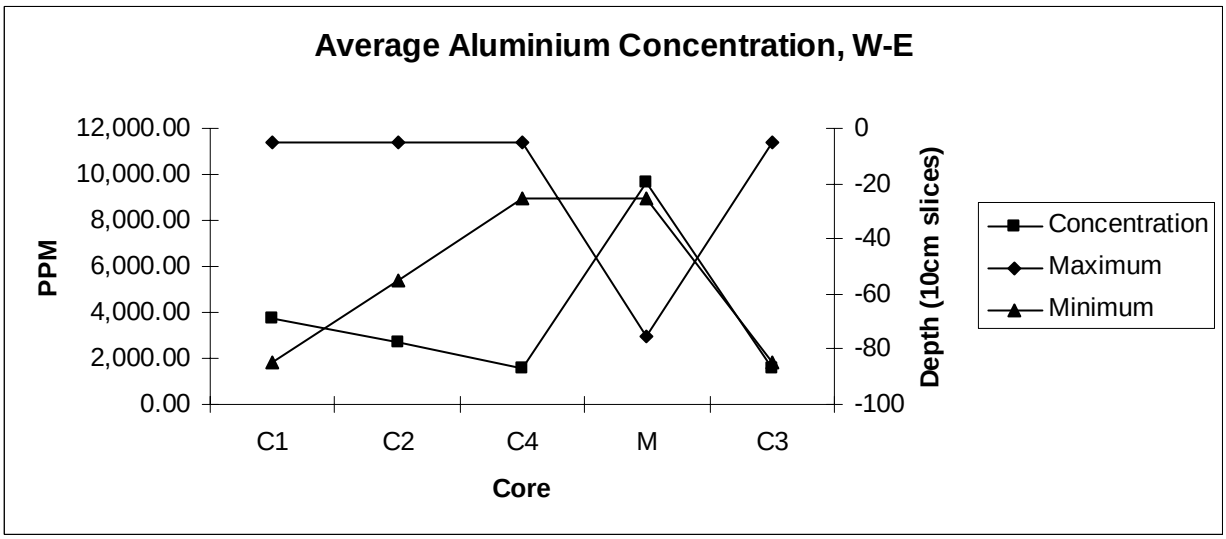
Figure 9.95 Aluminium concentrations over depth in the cores











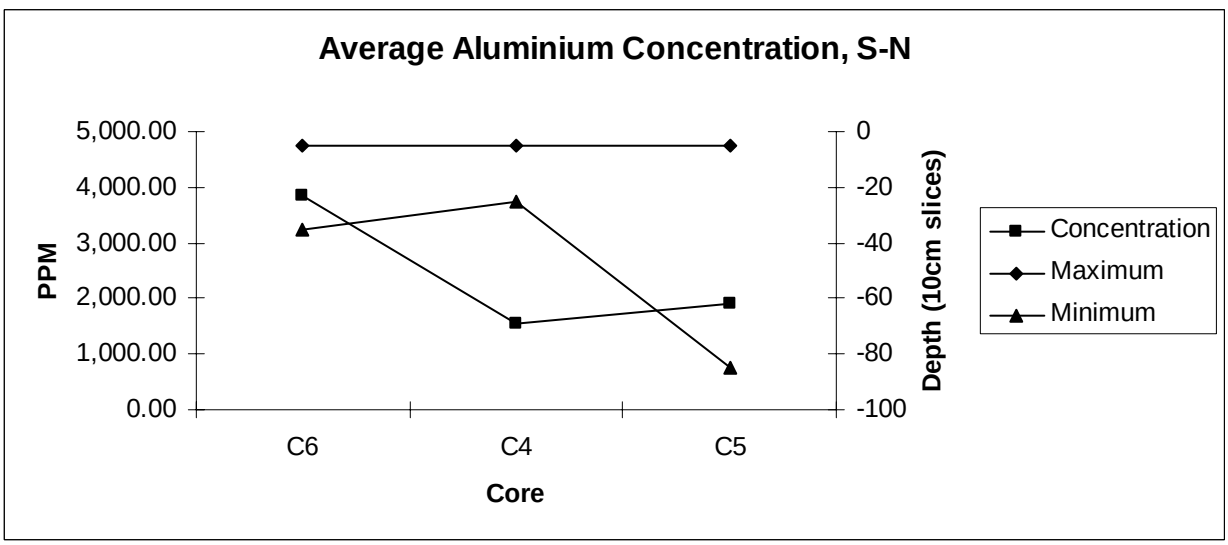


Figure 9.96 Summary of aluminium concentrations across the grid

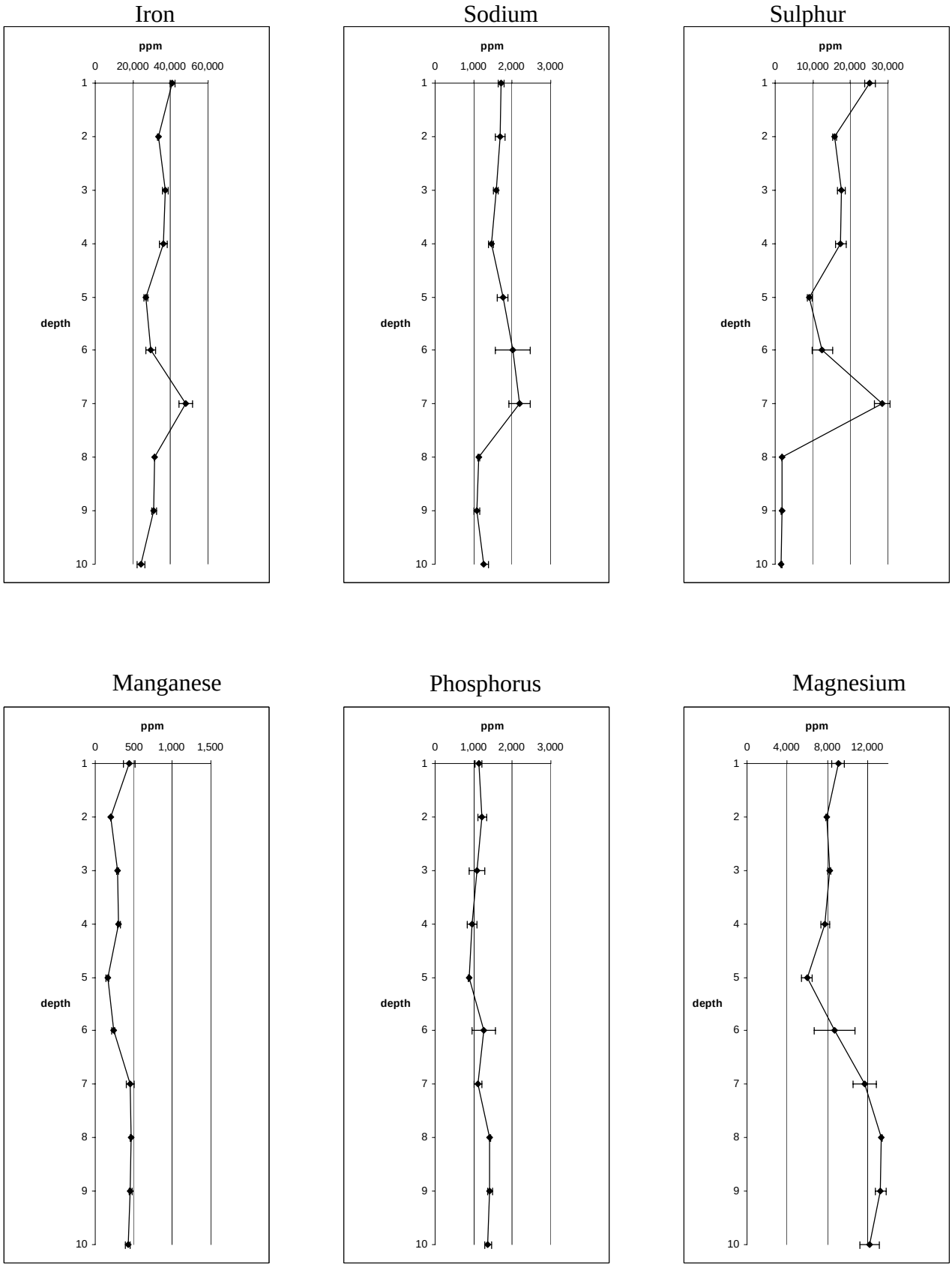
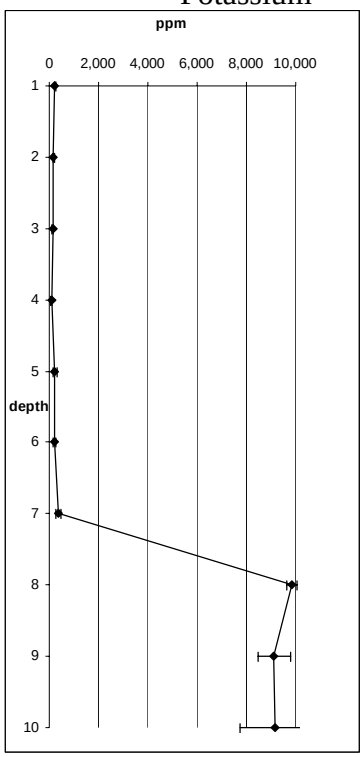
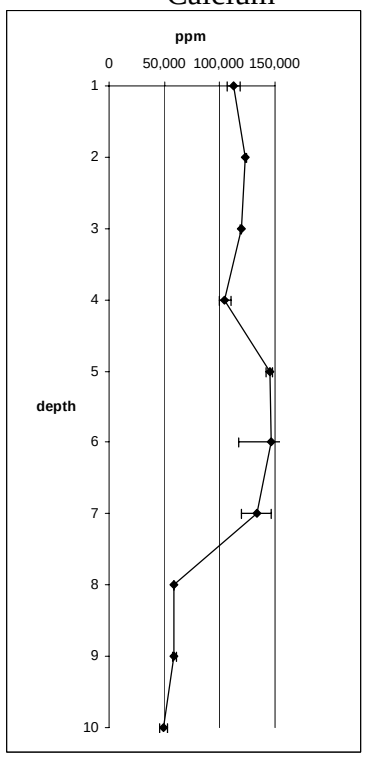


Figure 9.97 Elemental concentrations over depth in the monolith

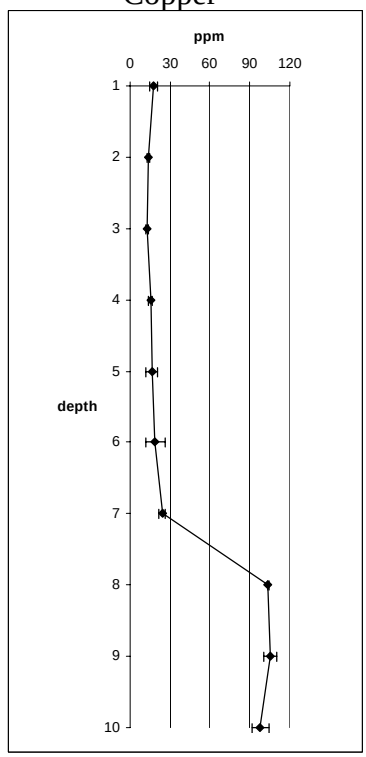
Potassium



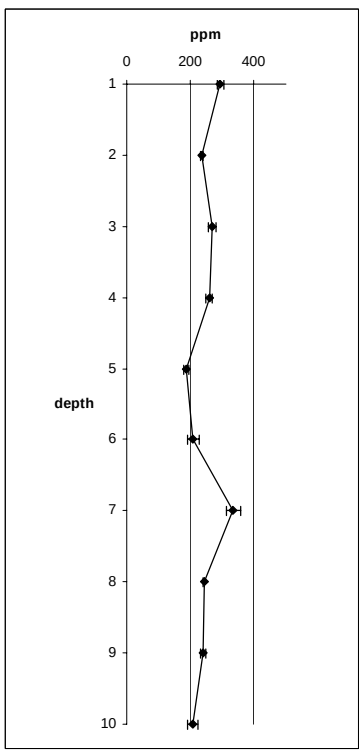
Calcium



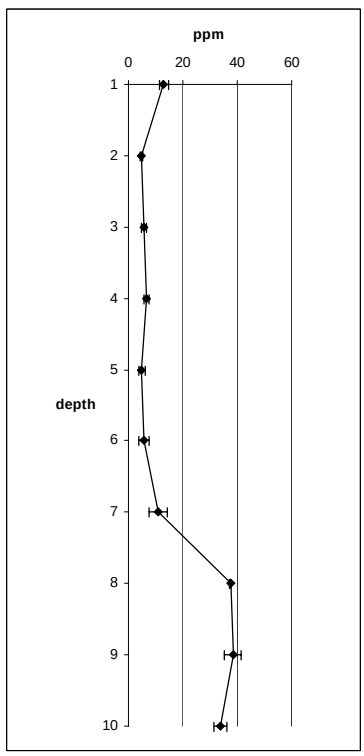
Copper



Tin



Nickel



Aluminium

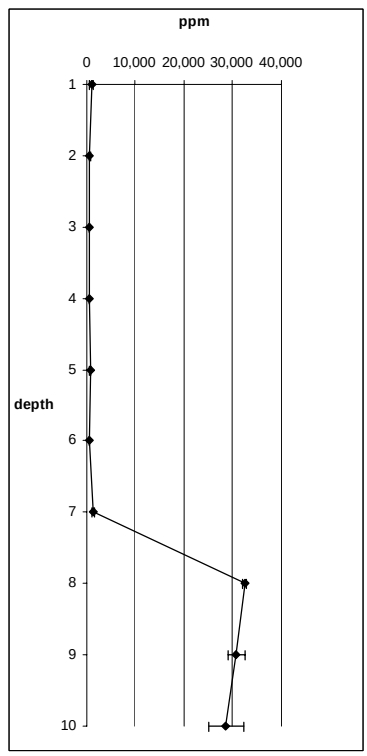


Figure 9.99 Elemental concentrations over depth in the monolith, continued

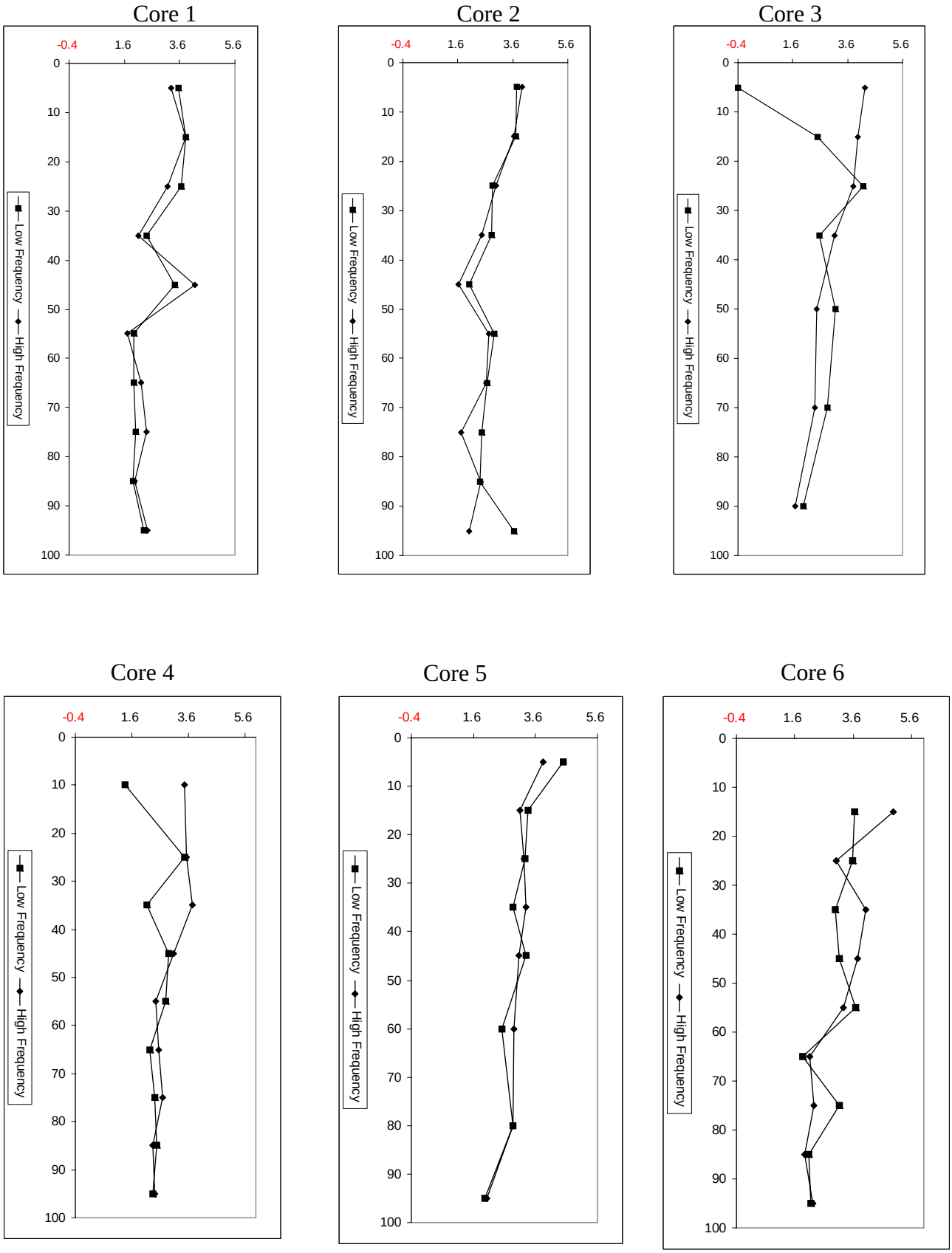


Figure 9.100 MS values over depth in the cores

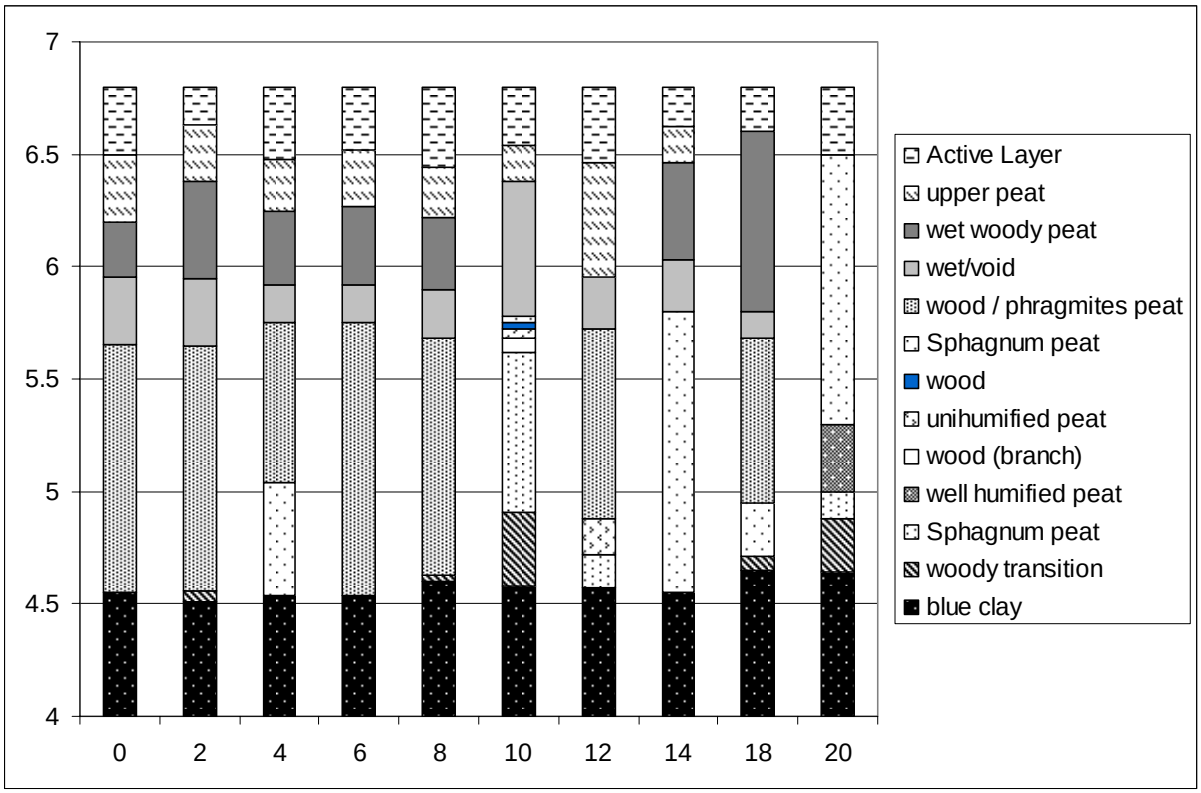


Figure 9.101 Major interfaces identified in the gouge auger transect, Canada Farm

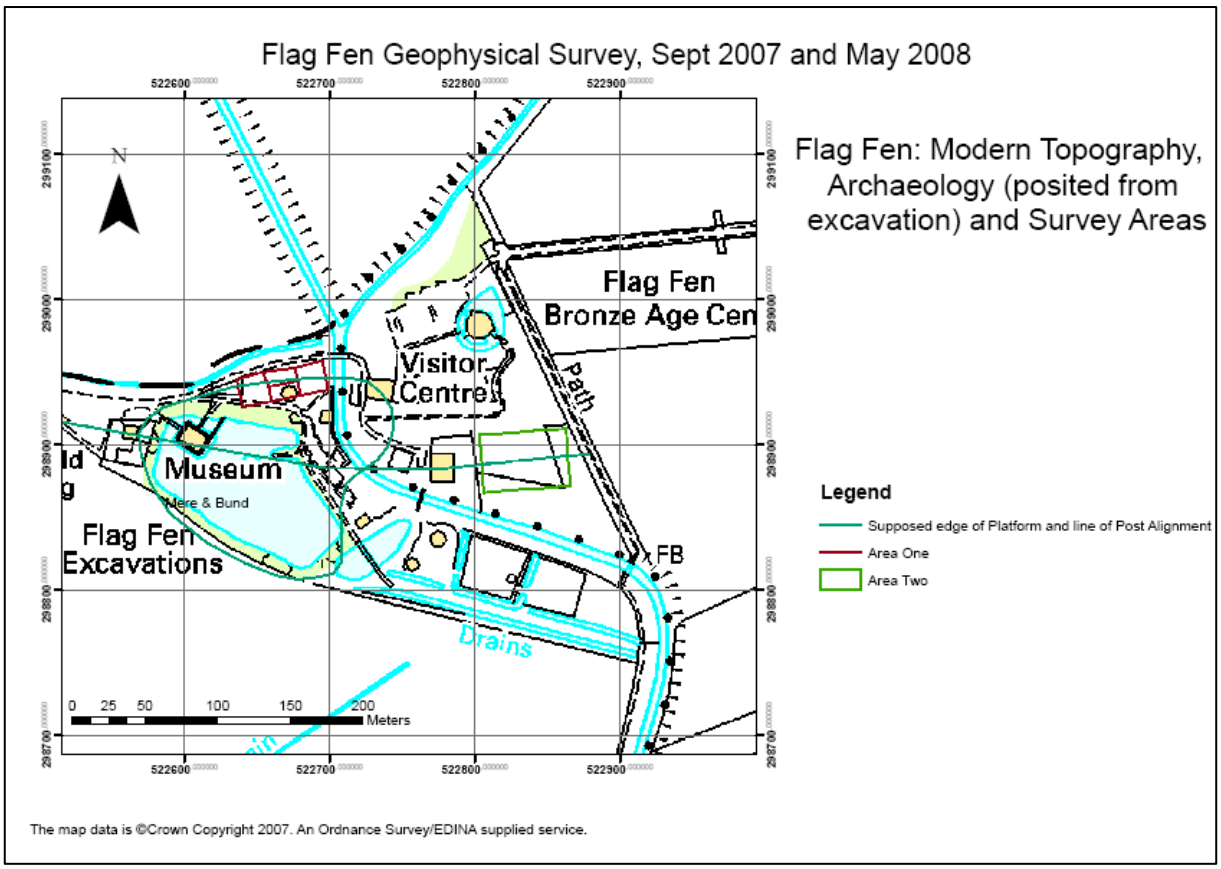


Figure 1.1: Flag Fen grid locations

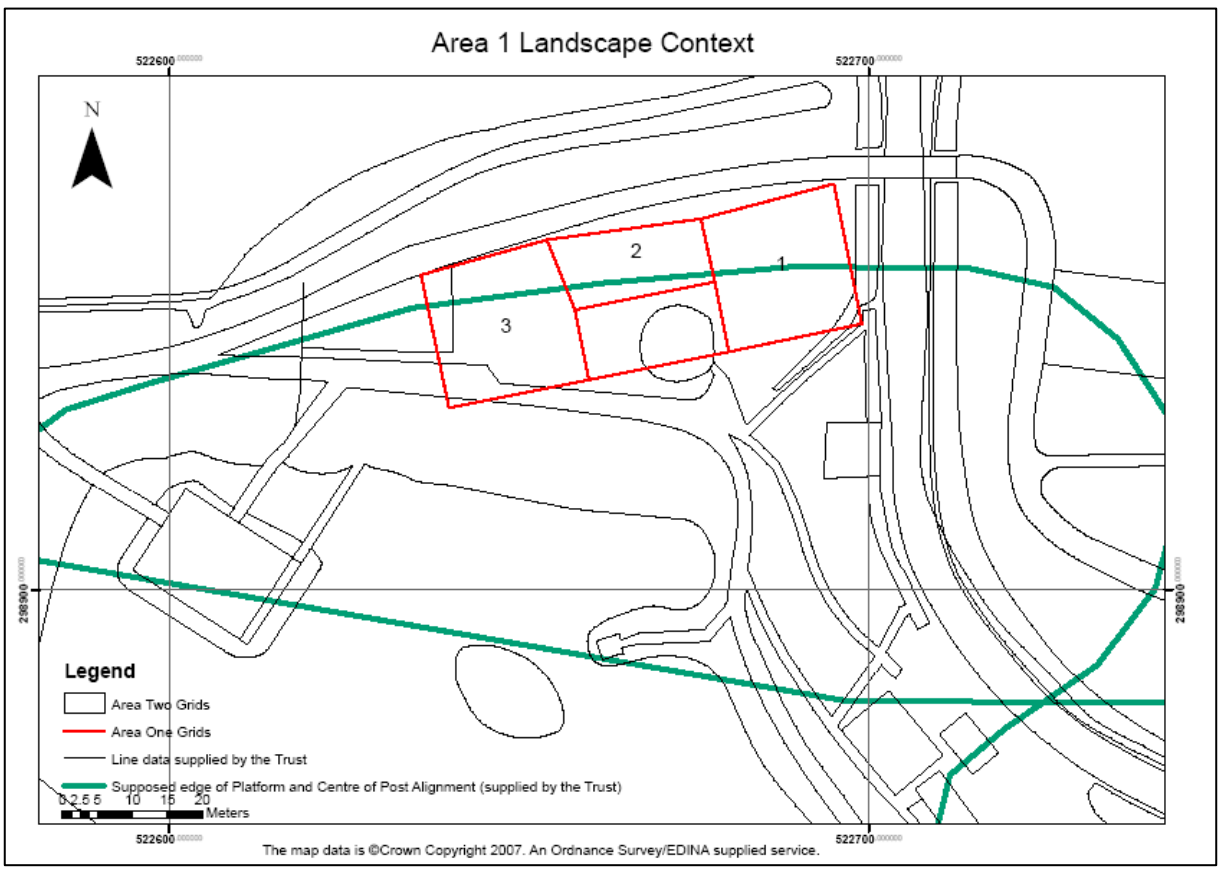


Figure 10.2 Flag Fen Area 1 survey grids

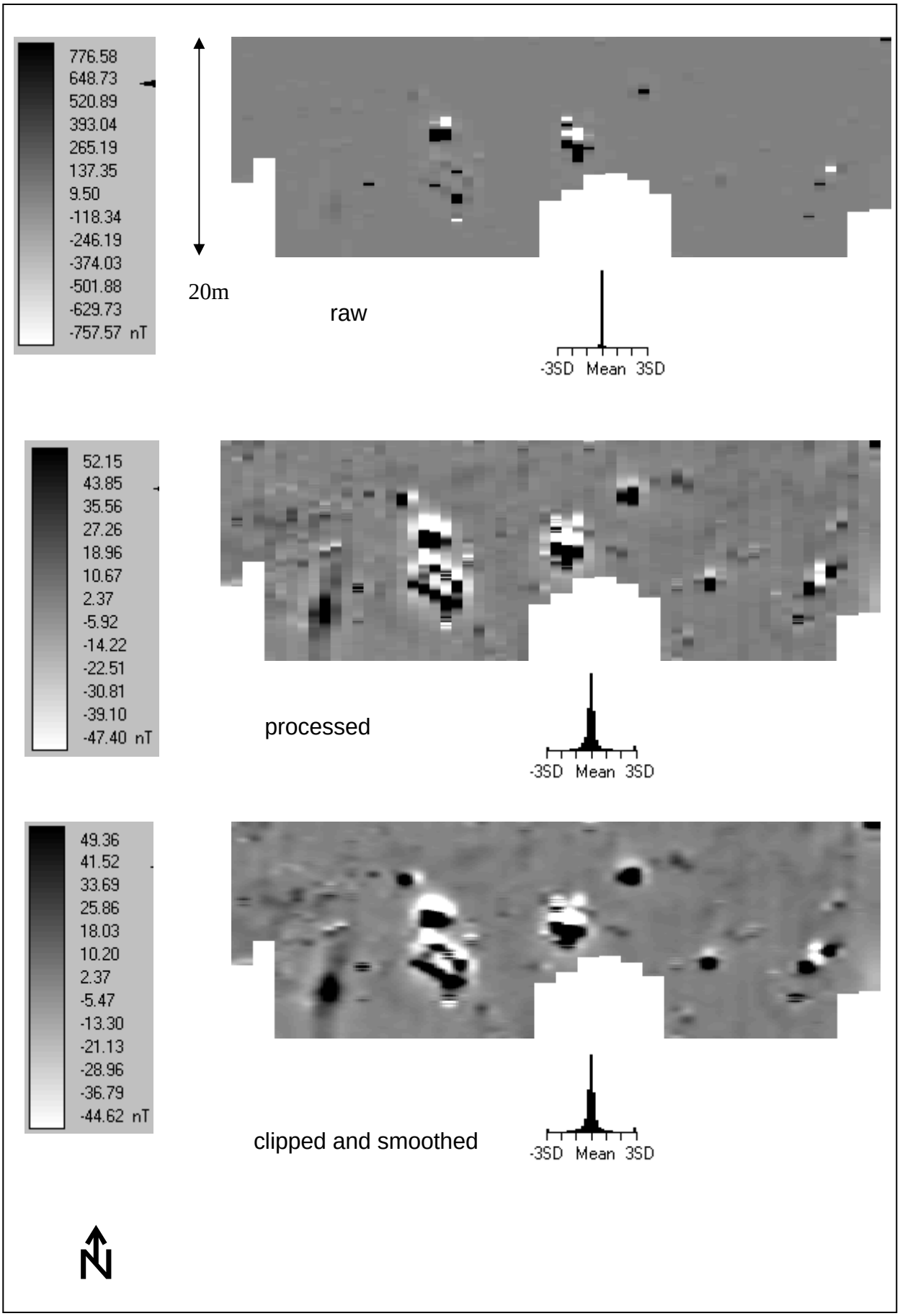


Figure 10..3 Bartington DualGrad survey, Flag Fen Area 1

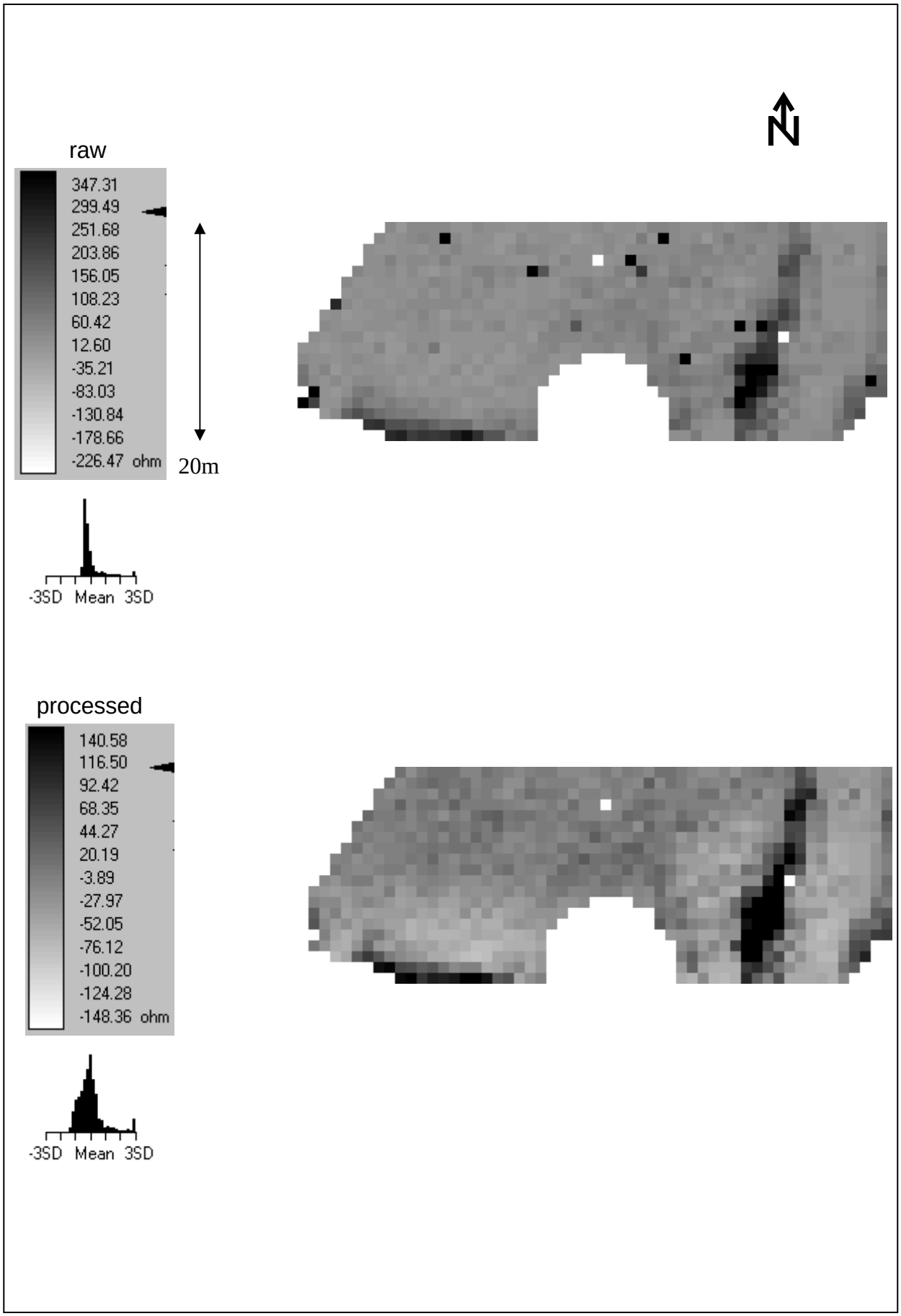


Figure 10.4 Multiplexed resistivity, probe separation A (0.25m) Flag Fen Area 1

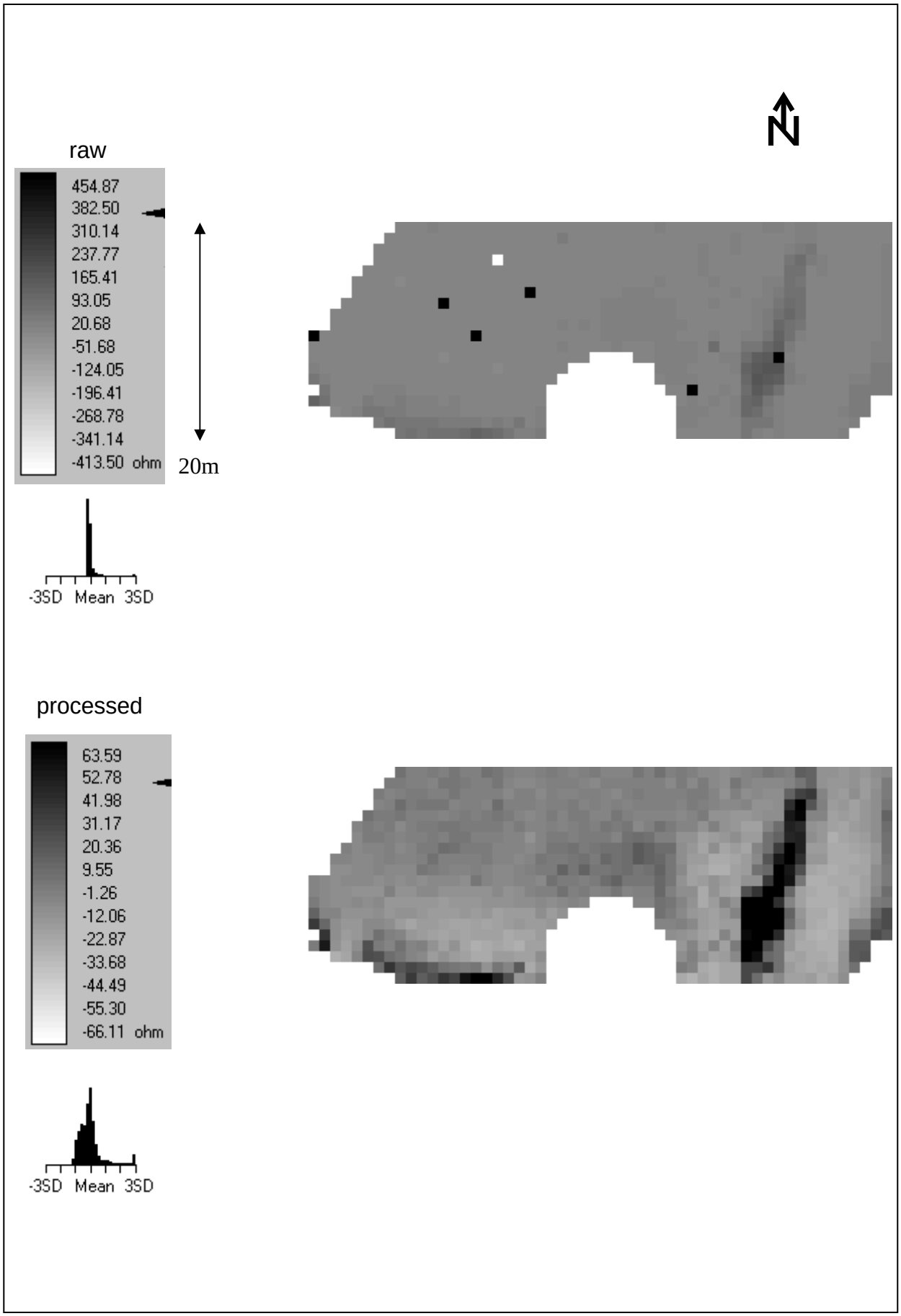


Figure 10.5 Multiplexed resistivity, probe separation B (0.5m) Flag Fen Area 1

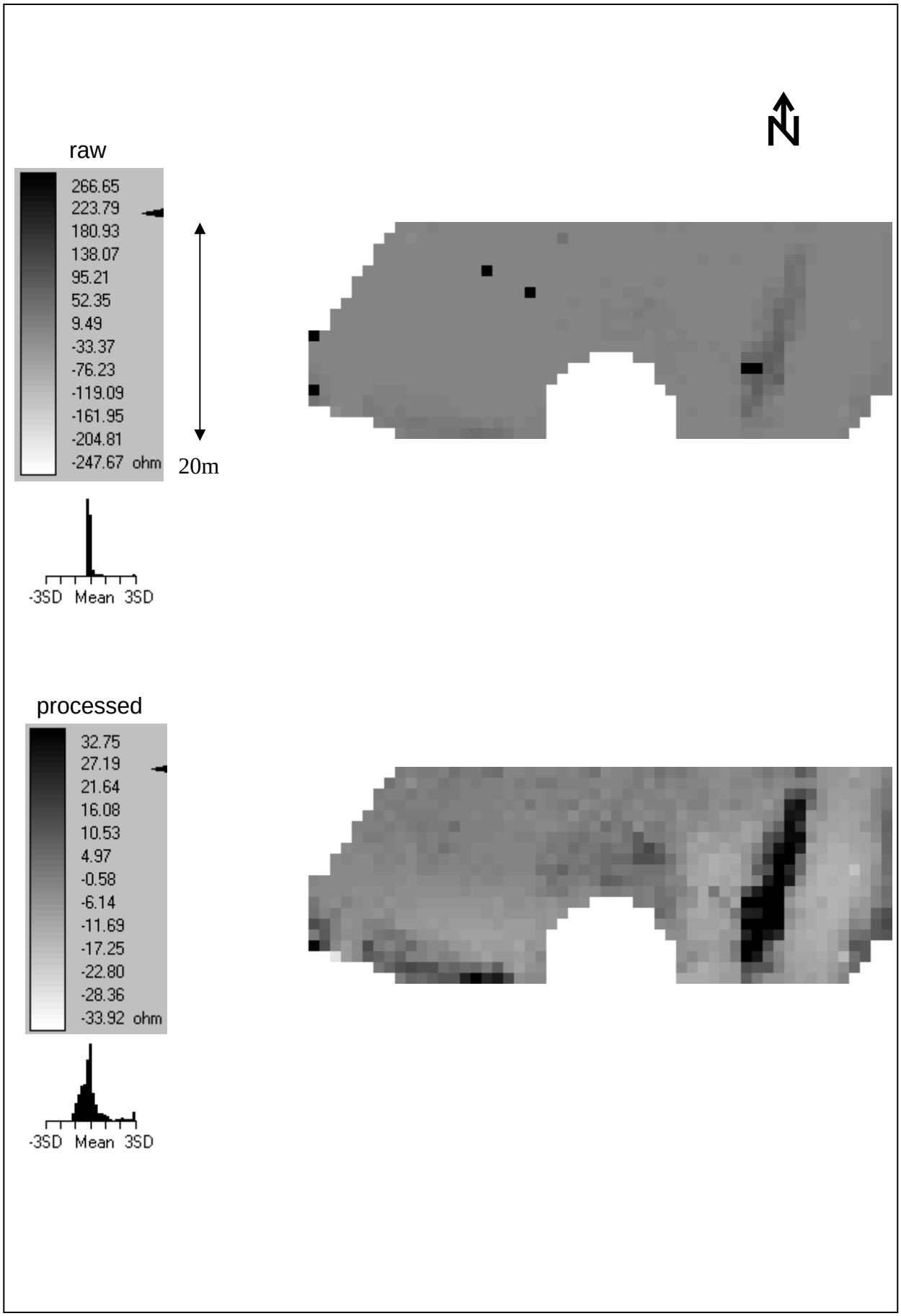


Figure 10.6 Multiplexed resistivity, probe separation C (0.75m) Flag Fen Area 1

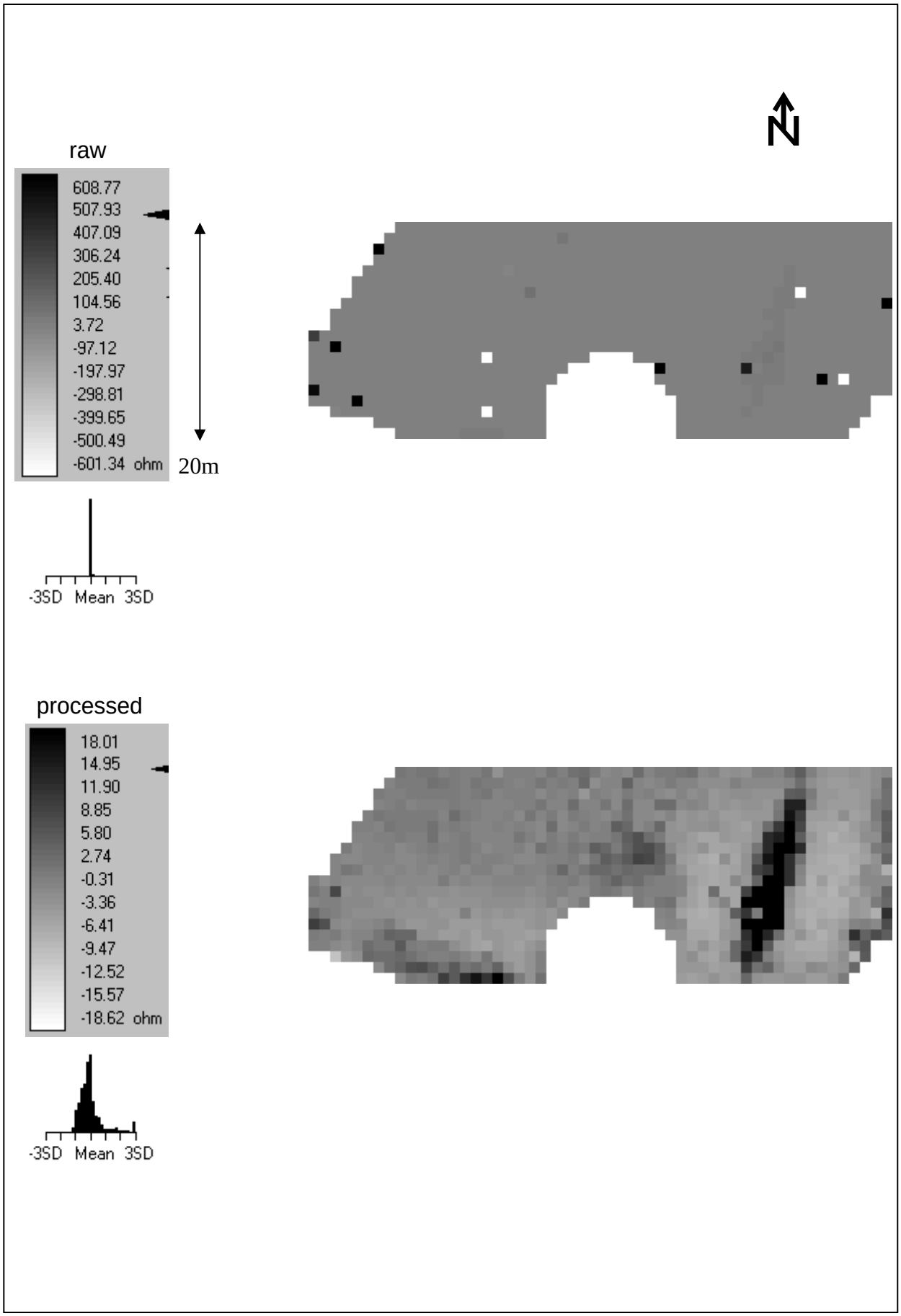


Figure 10.7 Multiplexed resistivity, probe separation D (1.0m) Flag Fen Area 1

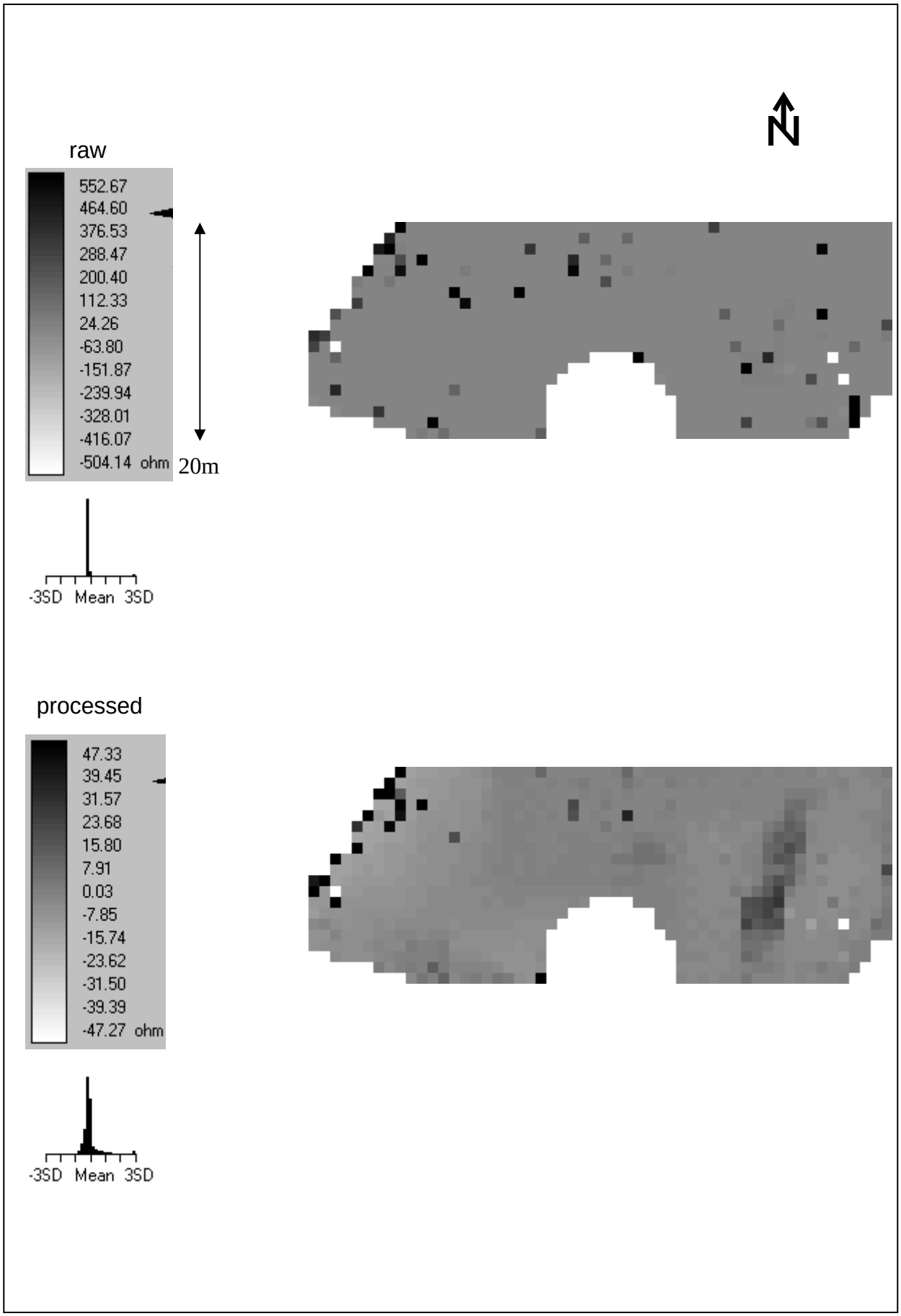


Figure 10.8 Multiplexed resistivity, probe separation E (1.25m) Flag Fen Area 1

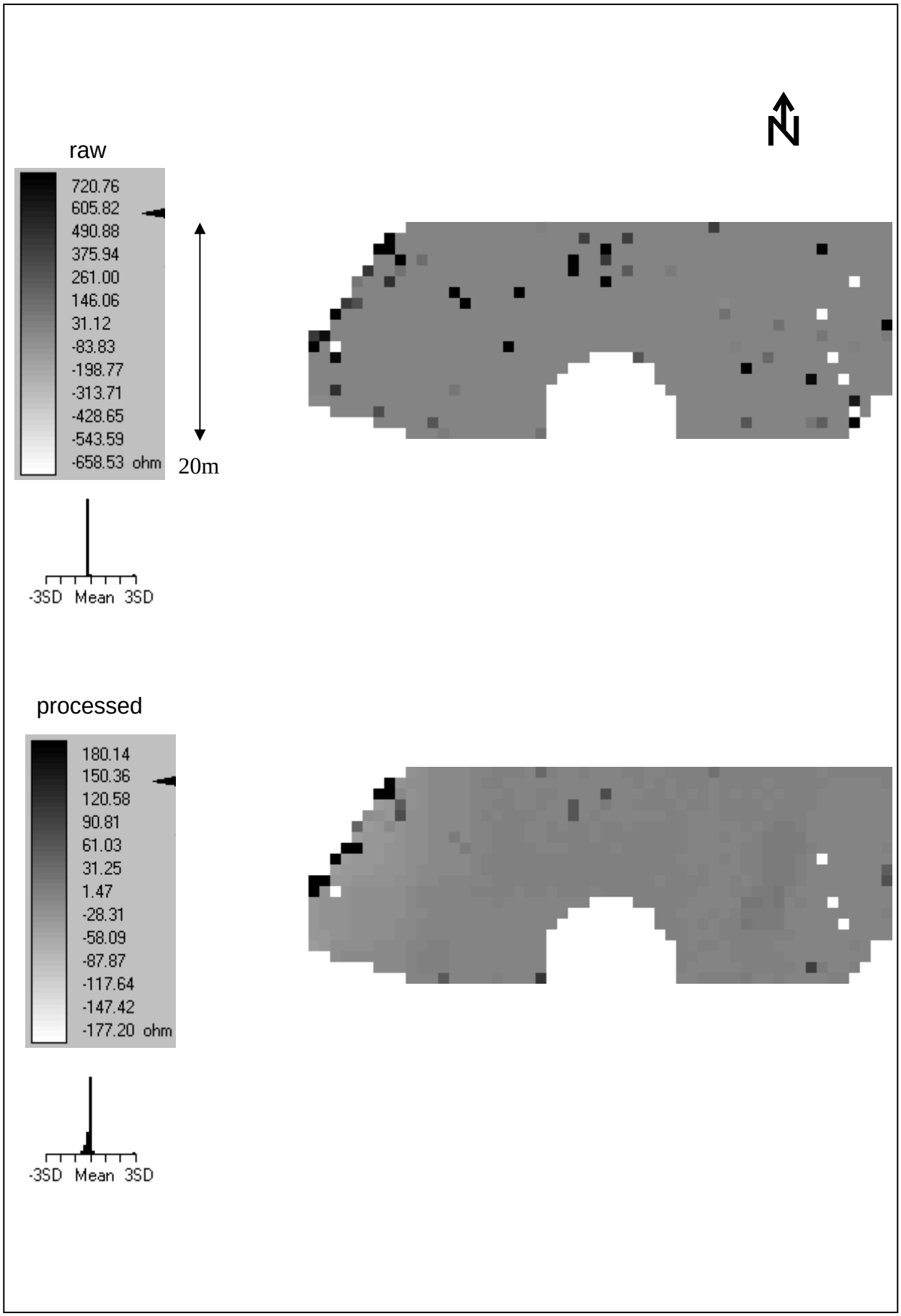


Figure 10.9 Multiplexed resistivity, probe separation F (1.5m) Flag Fen Area 1

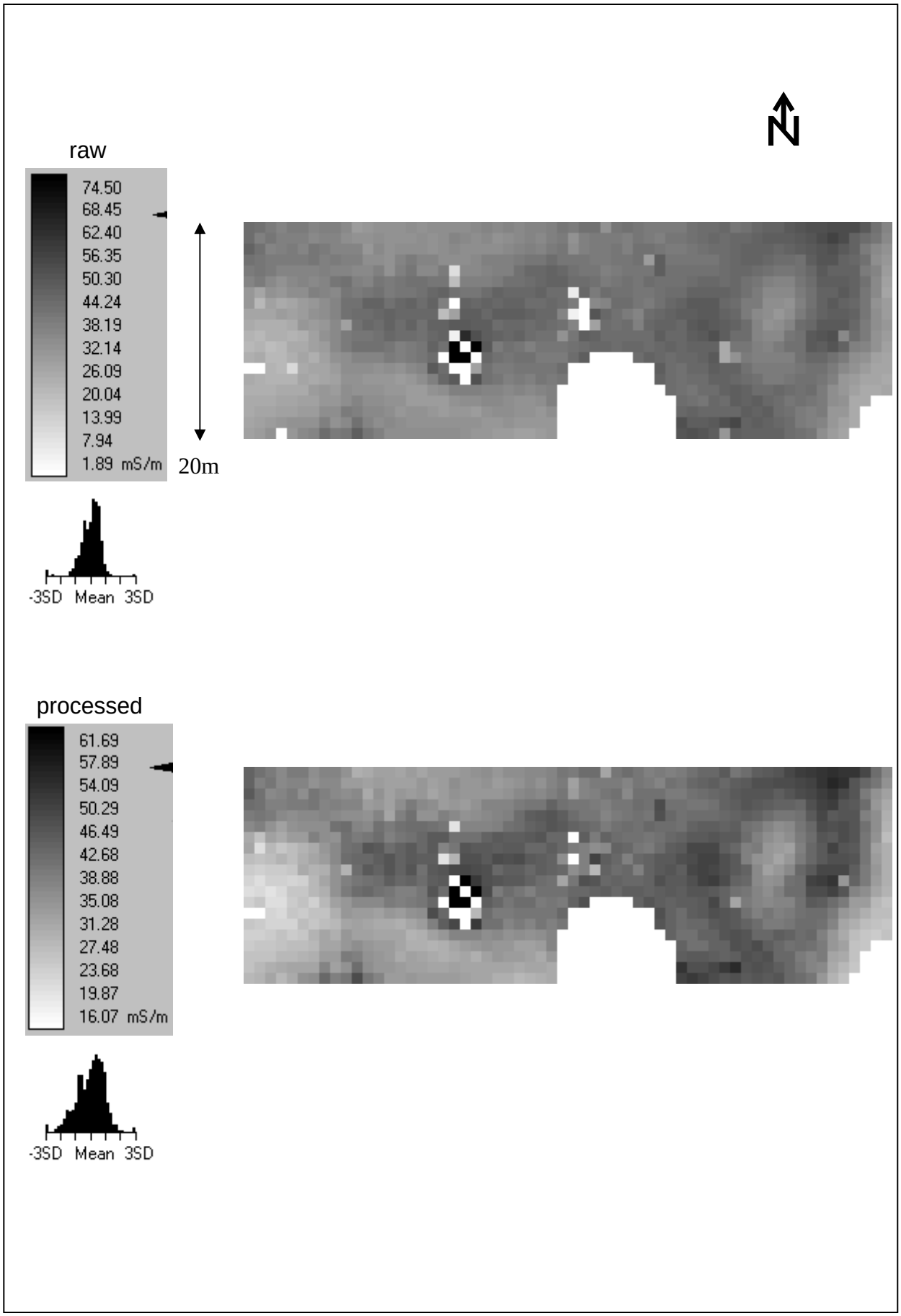


Figure 10.10 Vertical EM Quadrature response, Flag Fen Area 1

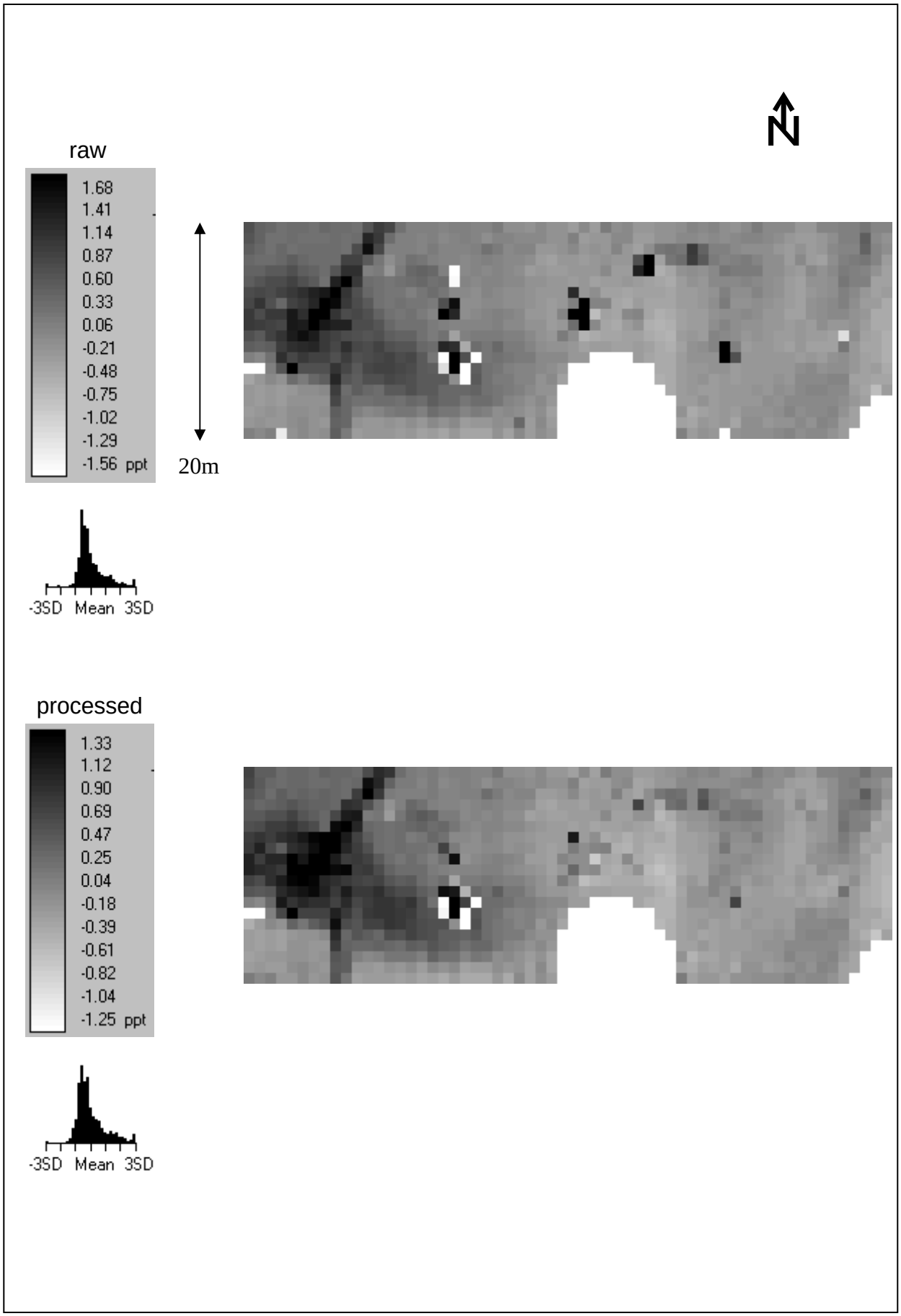


Figure 10.11 Vertical EM Inphase response, Flag Fen Area 1

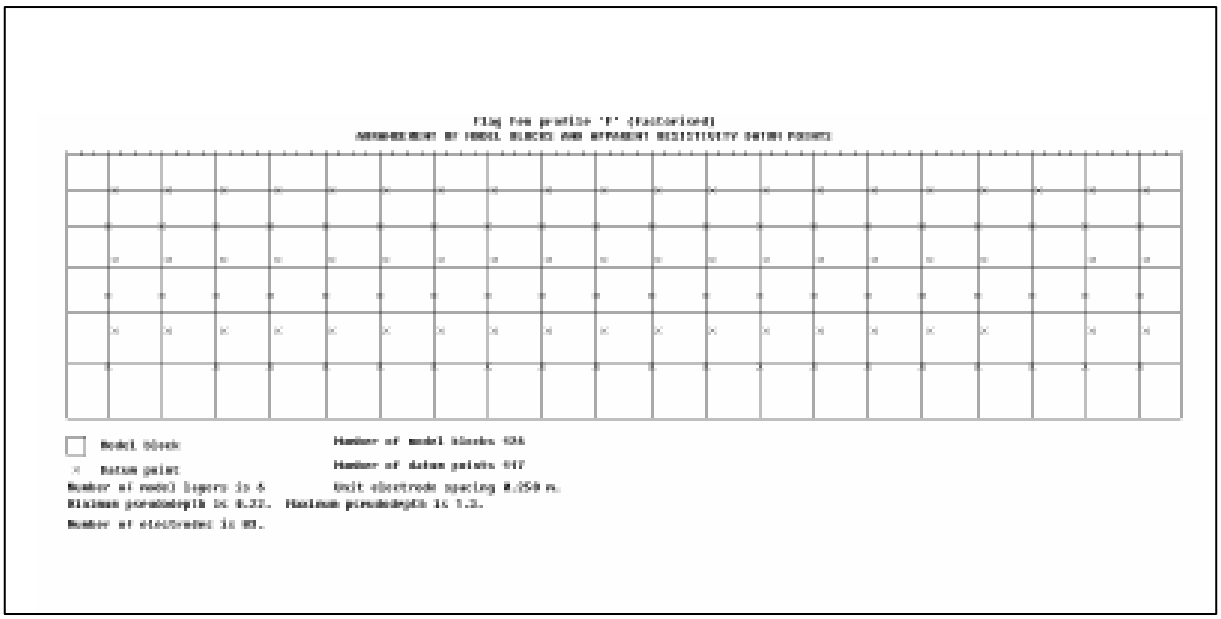


Figure 10.12: Model blocks used for resistivity inversions, Flag Fen Area 1

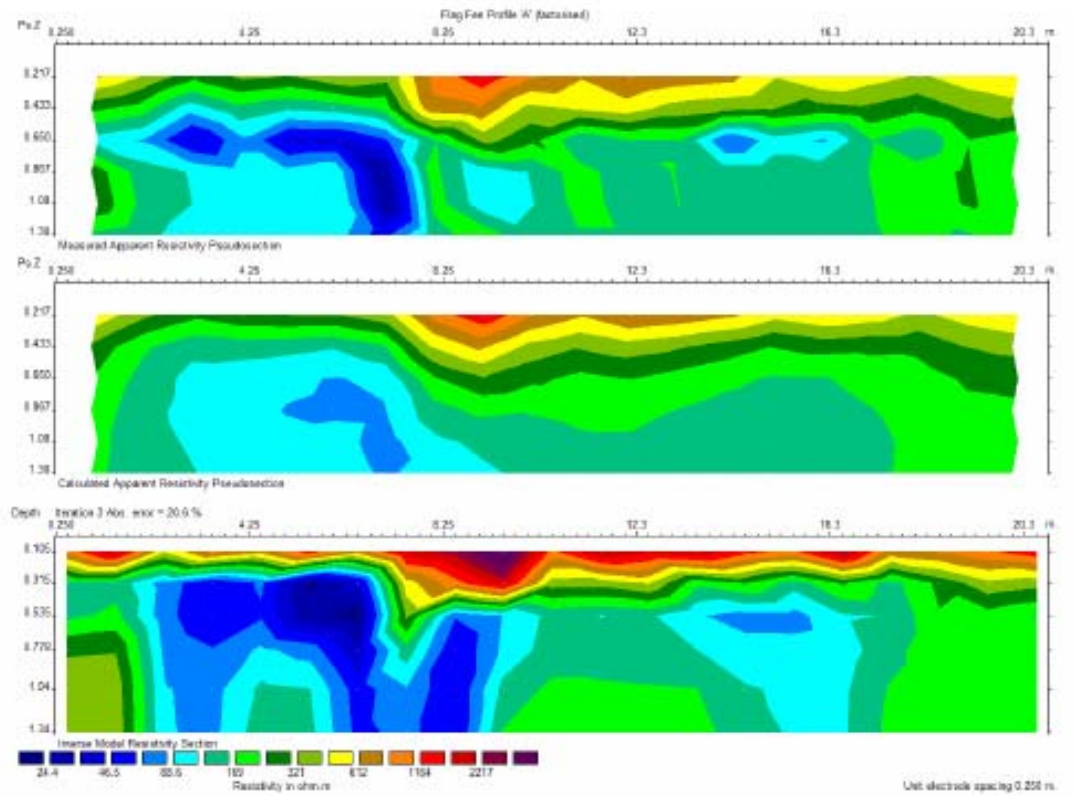


Figure 10.13 Resistivity Inversion A, Flag Fen Area 1

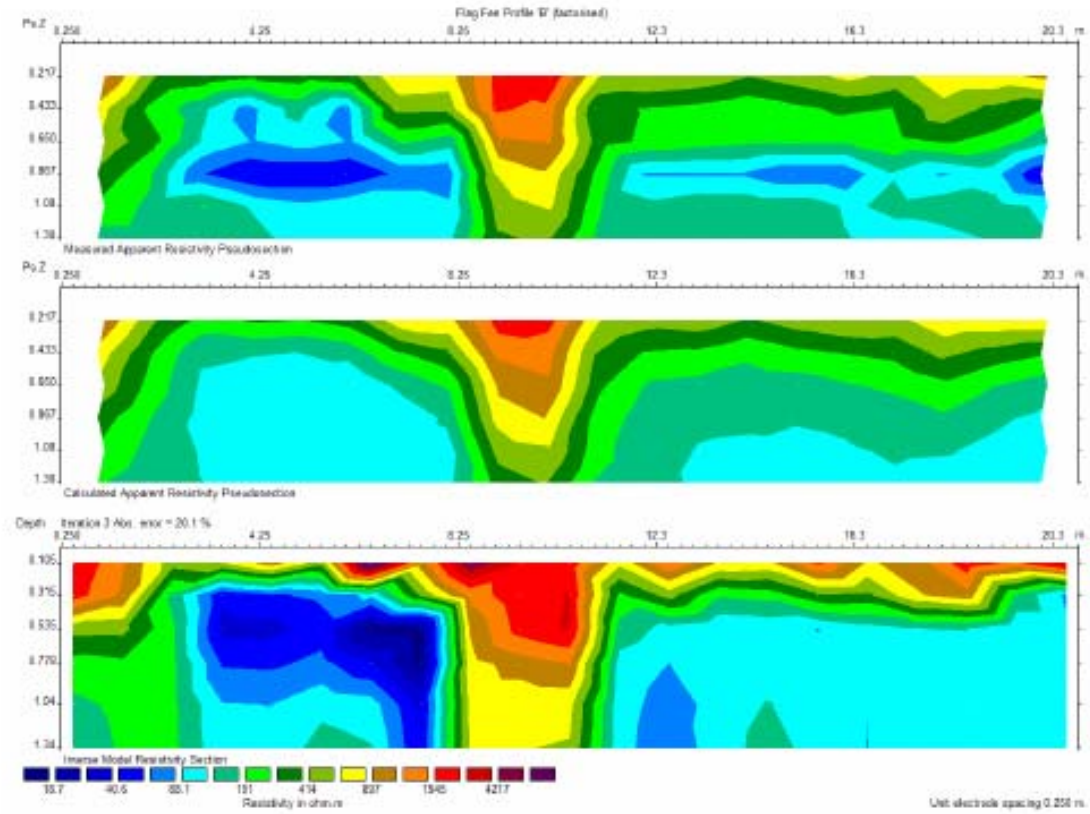


Figure 10.14: Resistivity Inversion B, Flag Fen Area 1

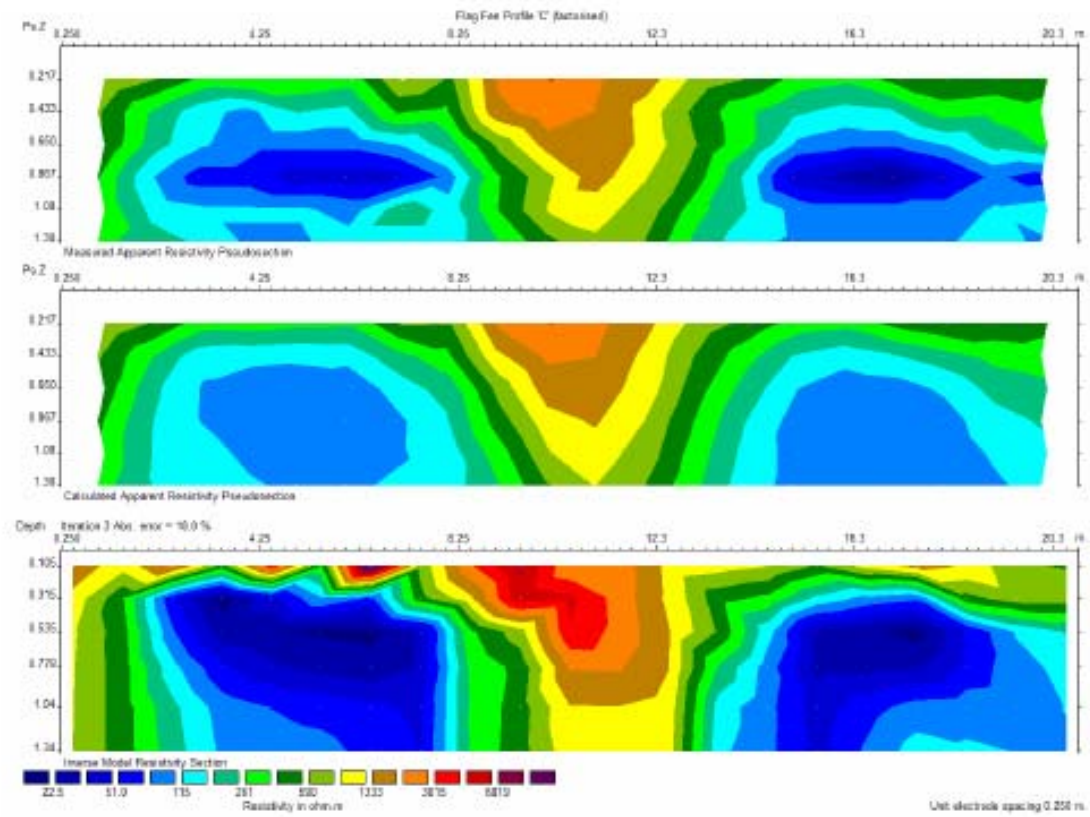


Figure 10.15 Resistivity Inversion C, Flag Fen Area 1

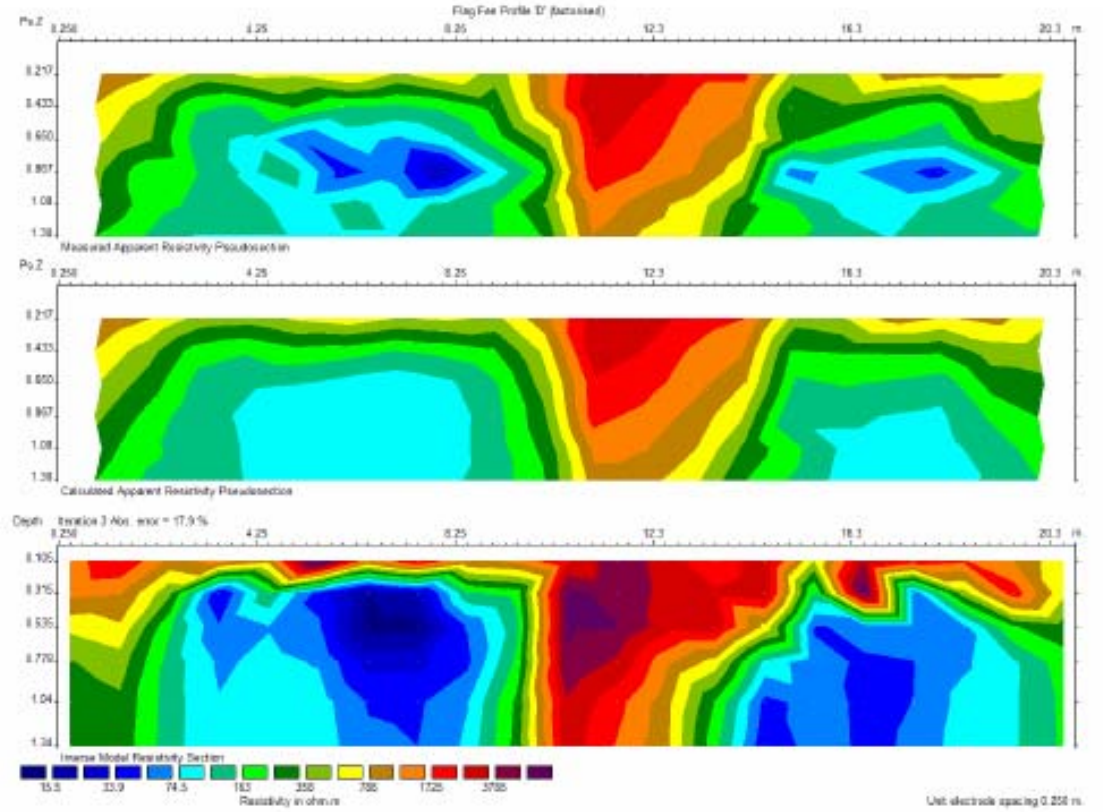


Figure 10.16: Resistivity Inversion D, Flag Fen Area 1

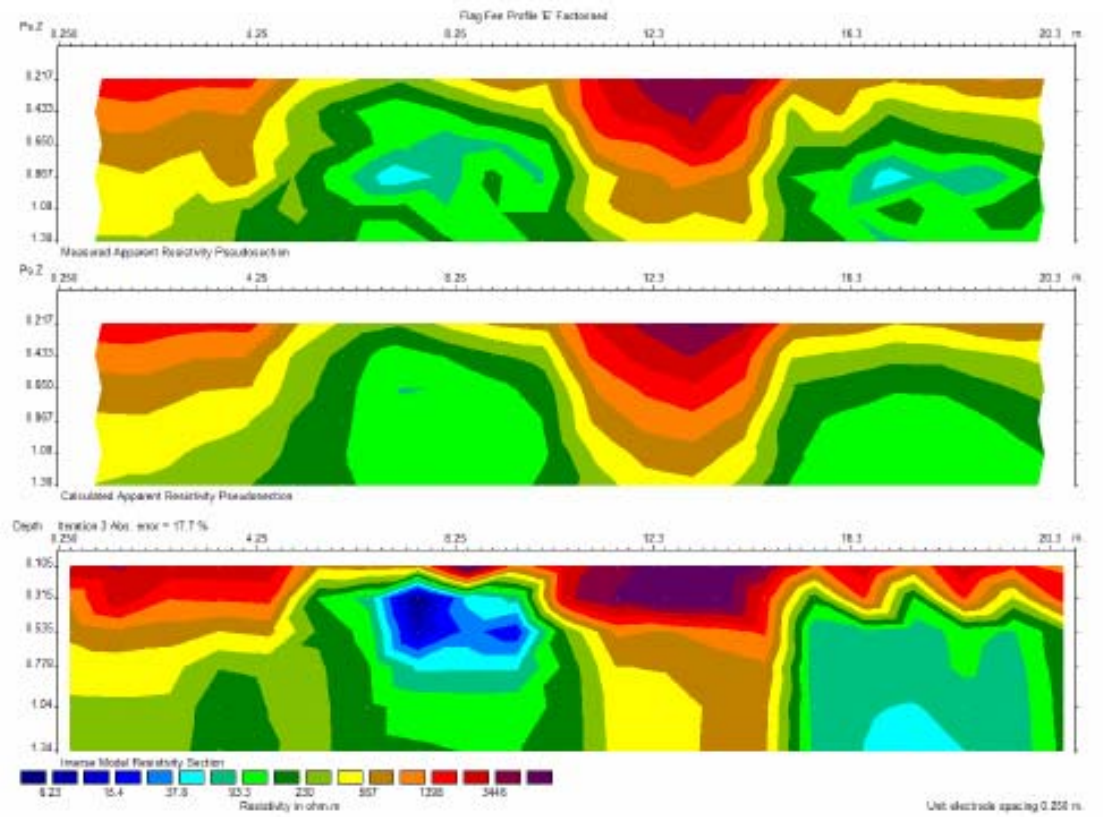


Figure 10.17 Resistivity Inversion E, Flag Fen Area 1

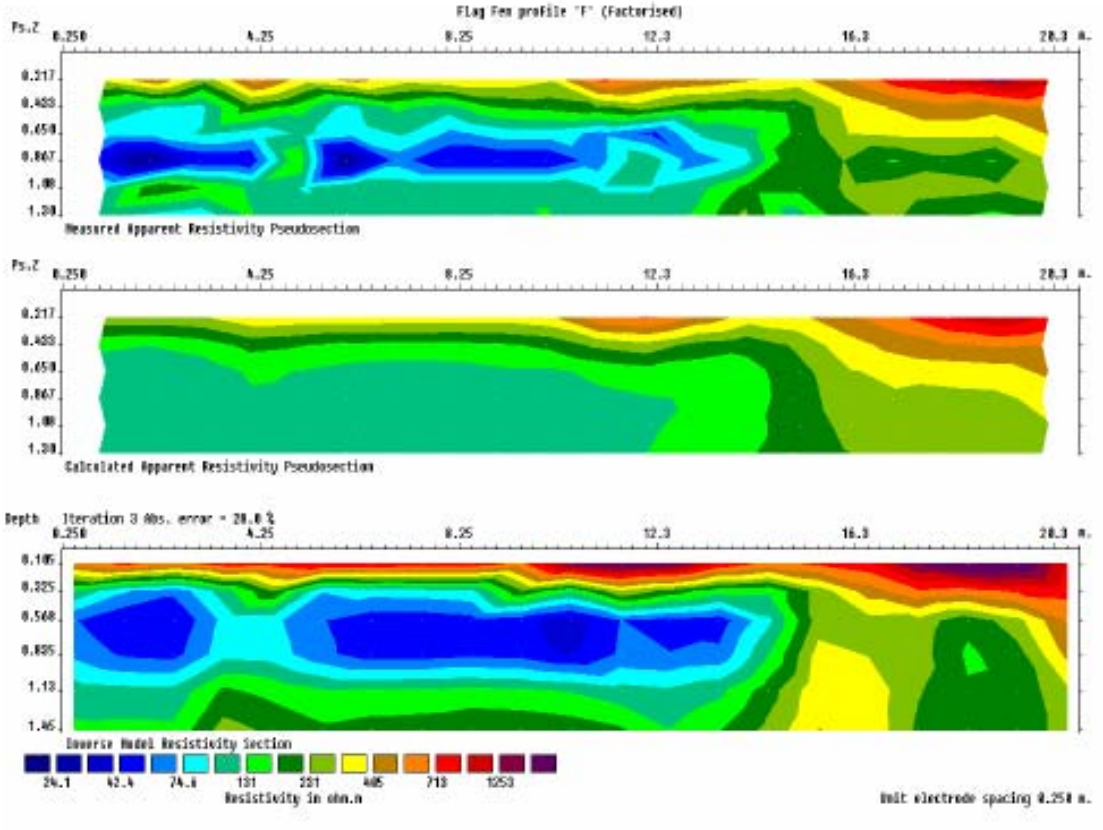


Figure 10.18: Resistivity Inversion F, Flag Fen Area 1

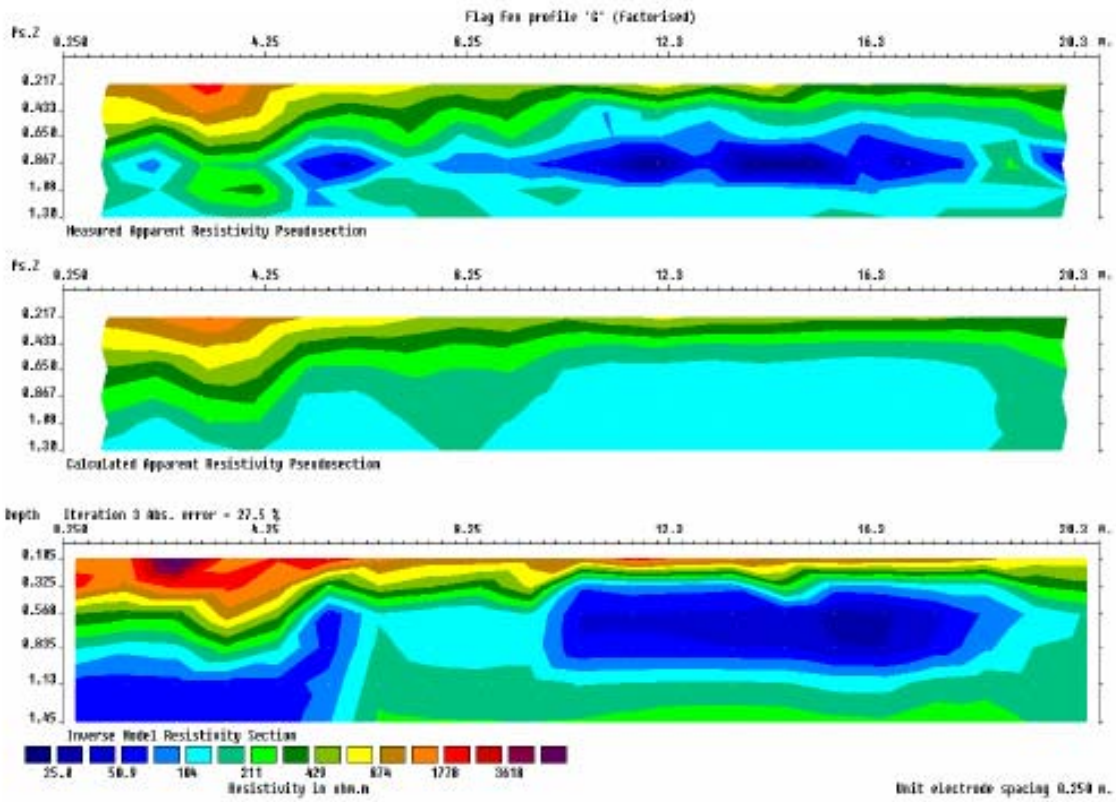


Figure 10.19 Resistivity Inversion G, Flag Fen Area 1

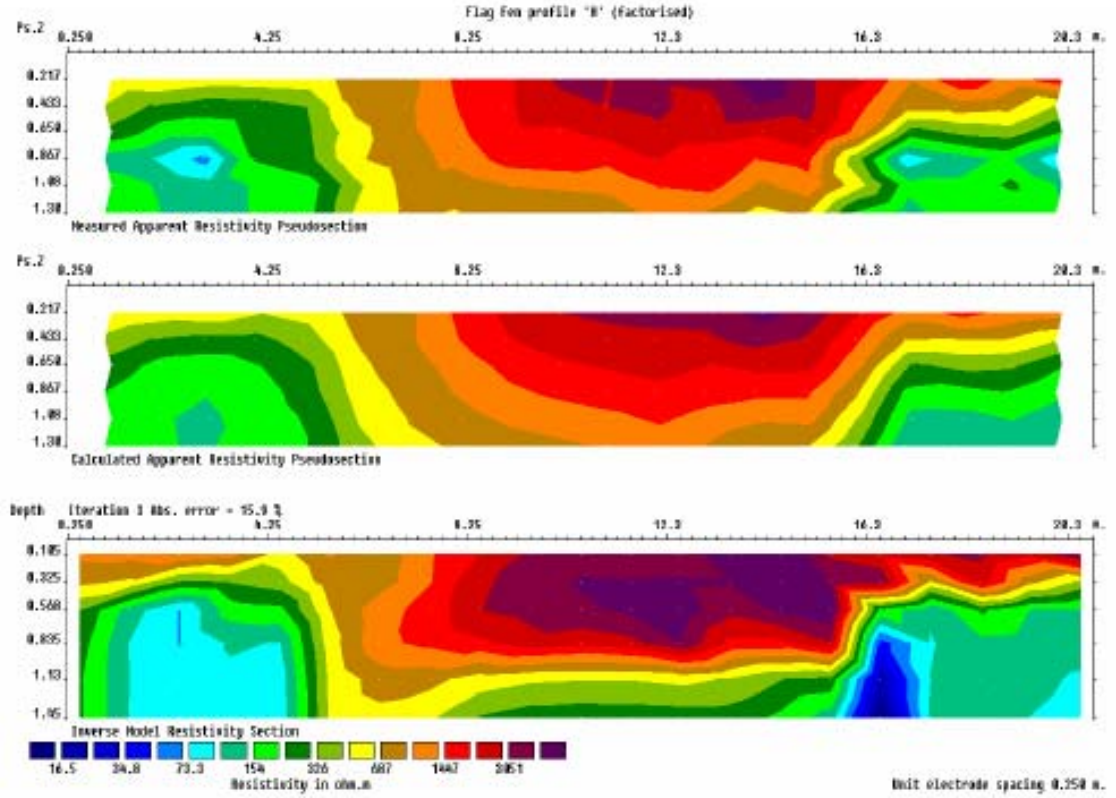


Figure 10.20: Resistivity Inversion H, Flag Fen Area 1

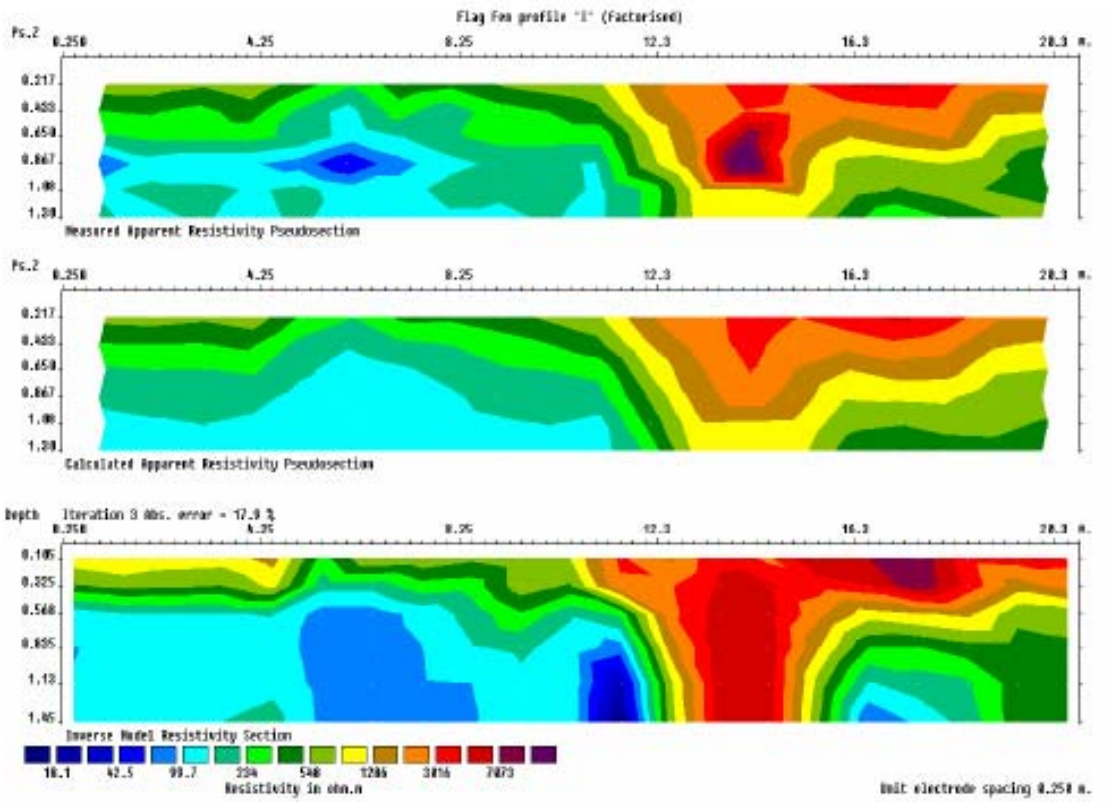


Figure 10.21 Resistivity Inversion I, Flag Fen Area 1

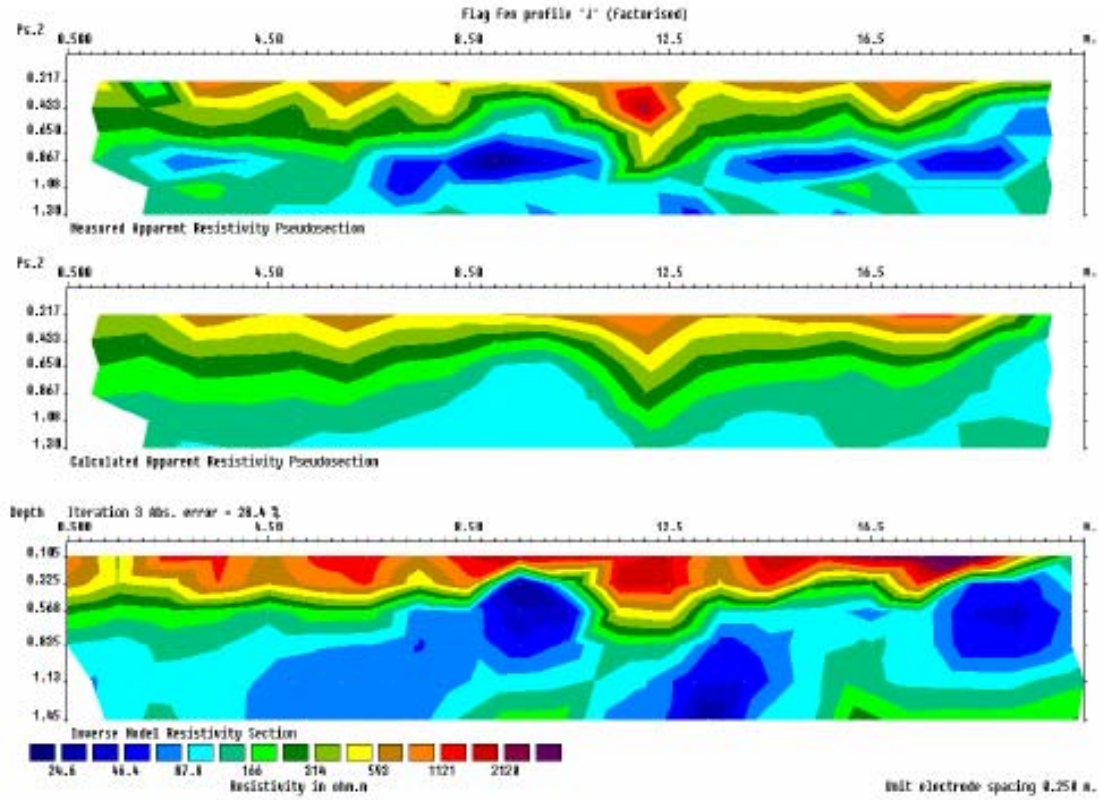
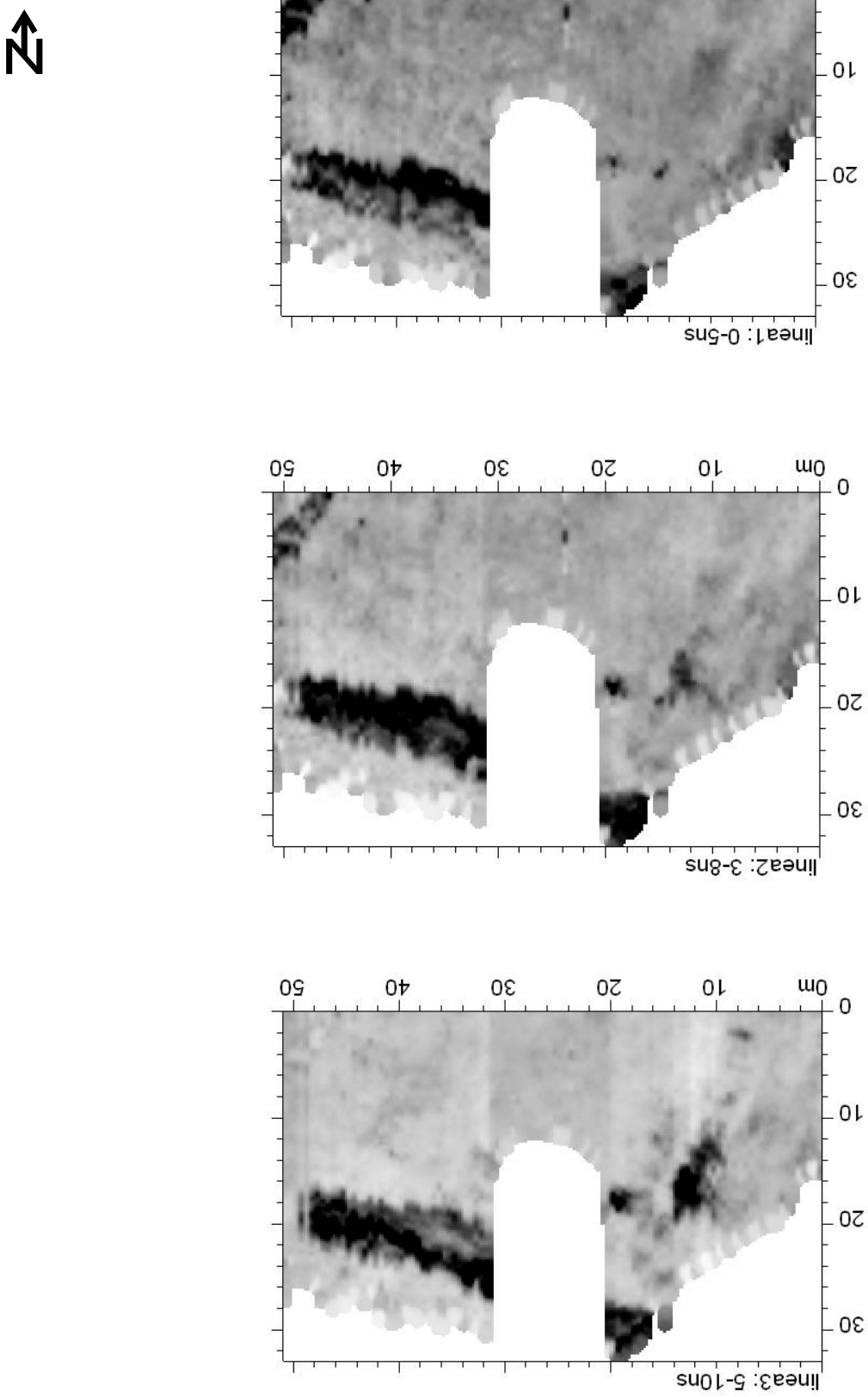


Figure 10.22: Resistivity Inversion J, Flag Fen Area 1

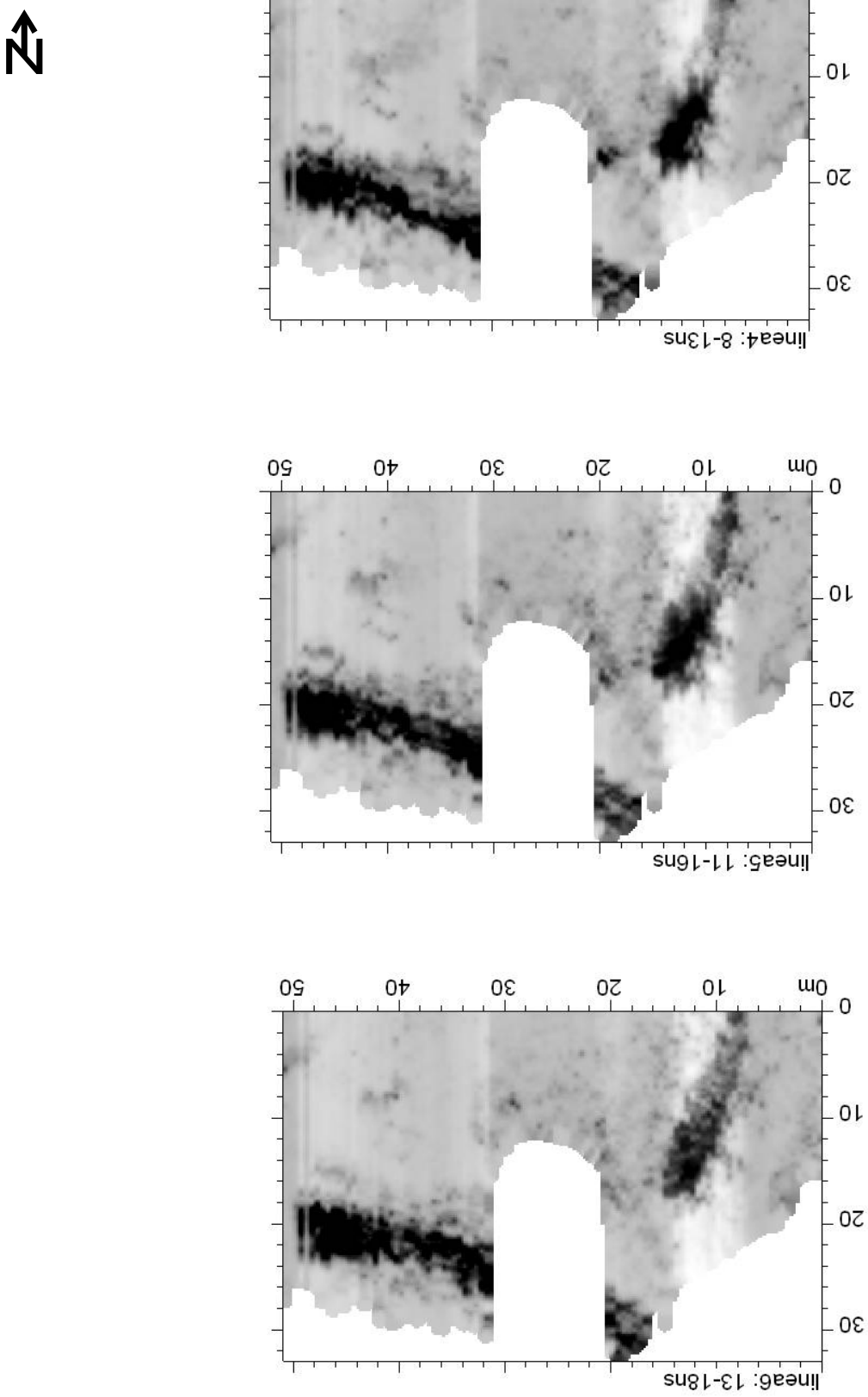
Timeslice	Time in n/s	Estimated Depth	Timeslice	Time in n/s	Estimated Depth
1	0.-4.92	0.-0.17	16	39.26-44.18	1.37-1.55
2	2.62-7.54	0.09-0.26	17	41.88-46.8	1.47-1.64
3	5.23-10.16	0.18-0.36	18	44.5-49.42	1.56-1.73
4	7.85-12.78	0.27-0.45	19	47.11-52.04	1.65-1.82
5	10.47-15.39	0.37-0.54	20	49.73-54.65	1.74-1.91
6	13.09-18.01	0.46-0.63	21	52.35-57.27	1.83-2.
7	15.7-20.63	0.55-0.72	22	54.97-59.89	1.92-2.1
8	18.32-23.25	0.64-0.81	23	57.58-62.51	2.02-2.19
9	20.94-25.86	0.73-0.91	24	60.2-65.12	2.11-2.28
10	23.56-28.48	0.82-1.	25	62.82-67.74	2.2-2.37
11	26.17-31.1	0.92-1.09	26	65.44-70.36	2.29-2.46
12	28.79-33.71	1.01-1.18	27	68.05-72.98	2.38-2.55
13	31.41-36.33	1.1-1.27	28	70.67-75.59	2.47-2.65
14	34.03-38.95	1.19-1.36	29	73.29-78.21	2.57-2.74
15	36.64-41.57	1.28-1.45	30	75.91-80.83	2.66-2.83

Figure 10.23 250MHz radar survey depth estimates, Flag Fen Area 1



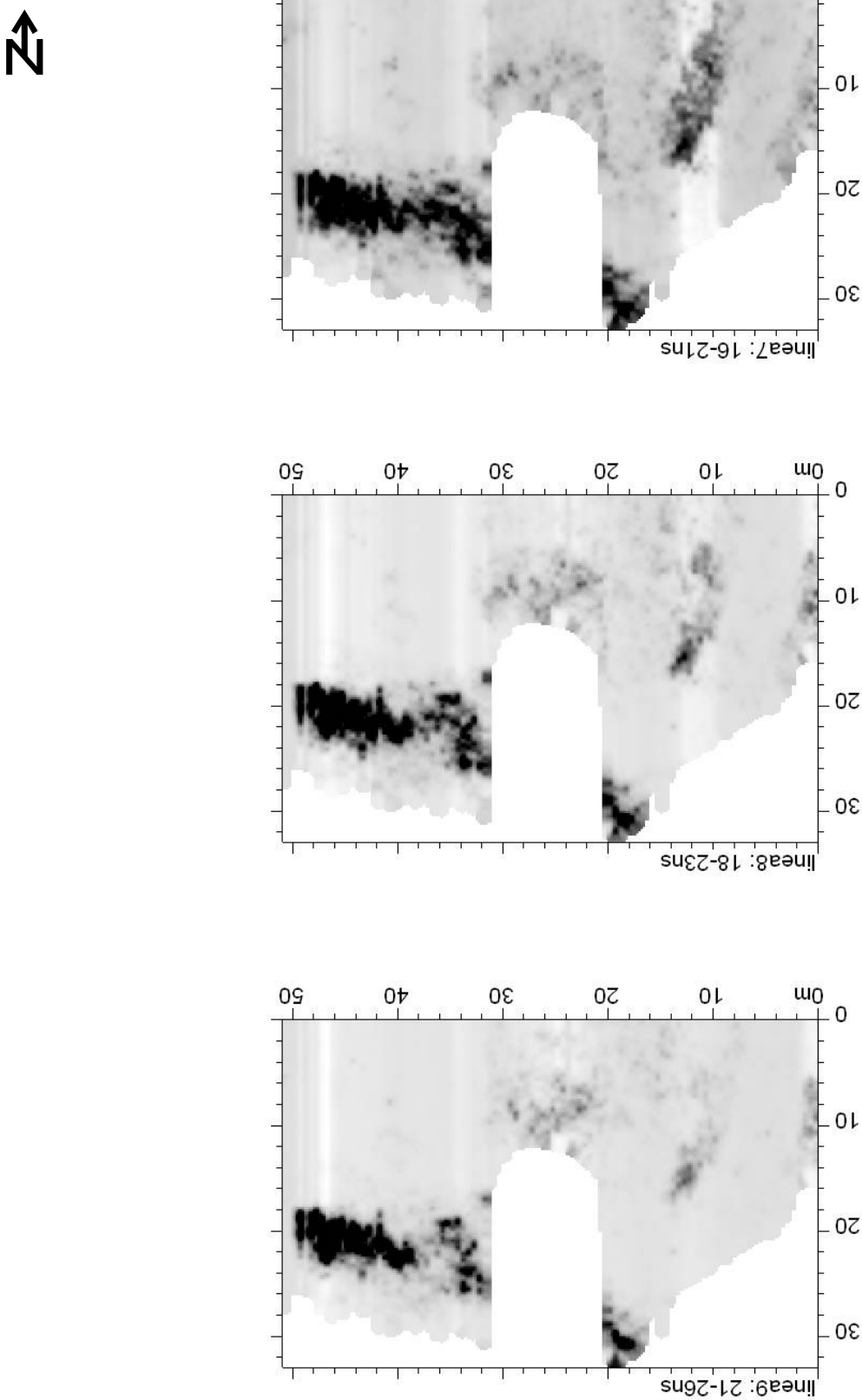
All scales in metres. Darker colours are higher amplitudes.

Figure 10.24 250MHz GPR Timeslices 1-3, Flag Fen Area 1



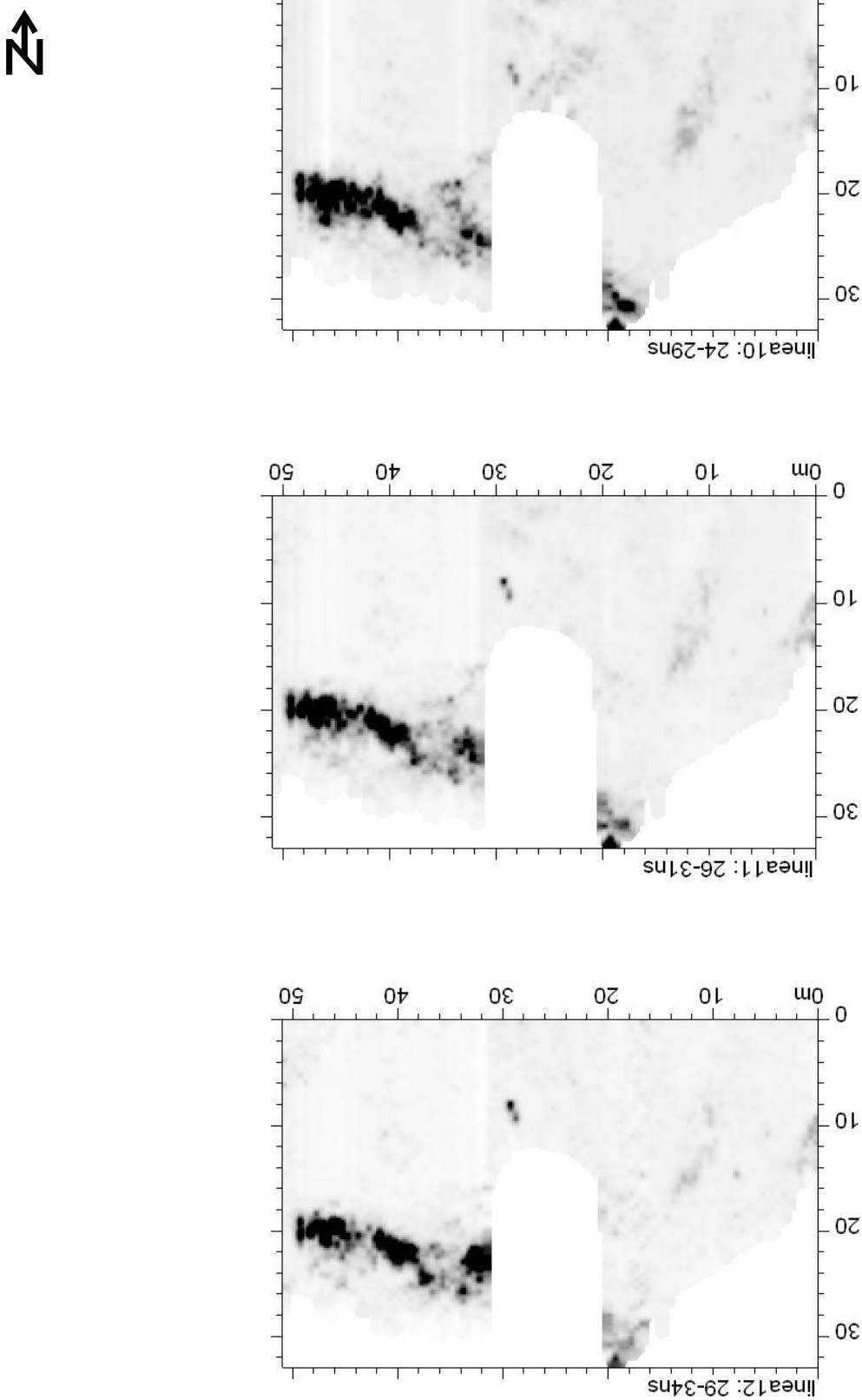
All scales in metres. Darker colours are higher amplitudes.

Figure 10.25 250MHz GPR Timeslices 4-6, Flag Fen Area 1



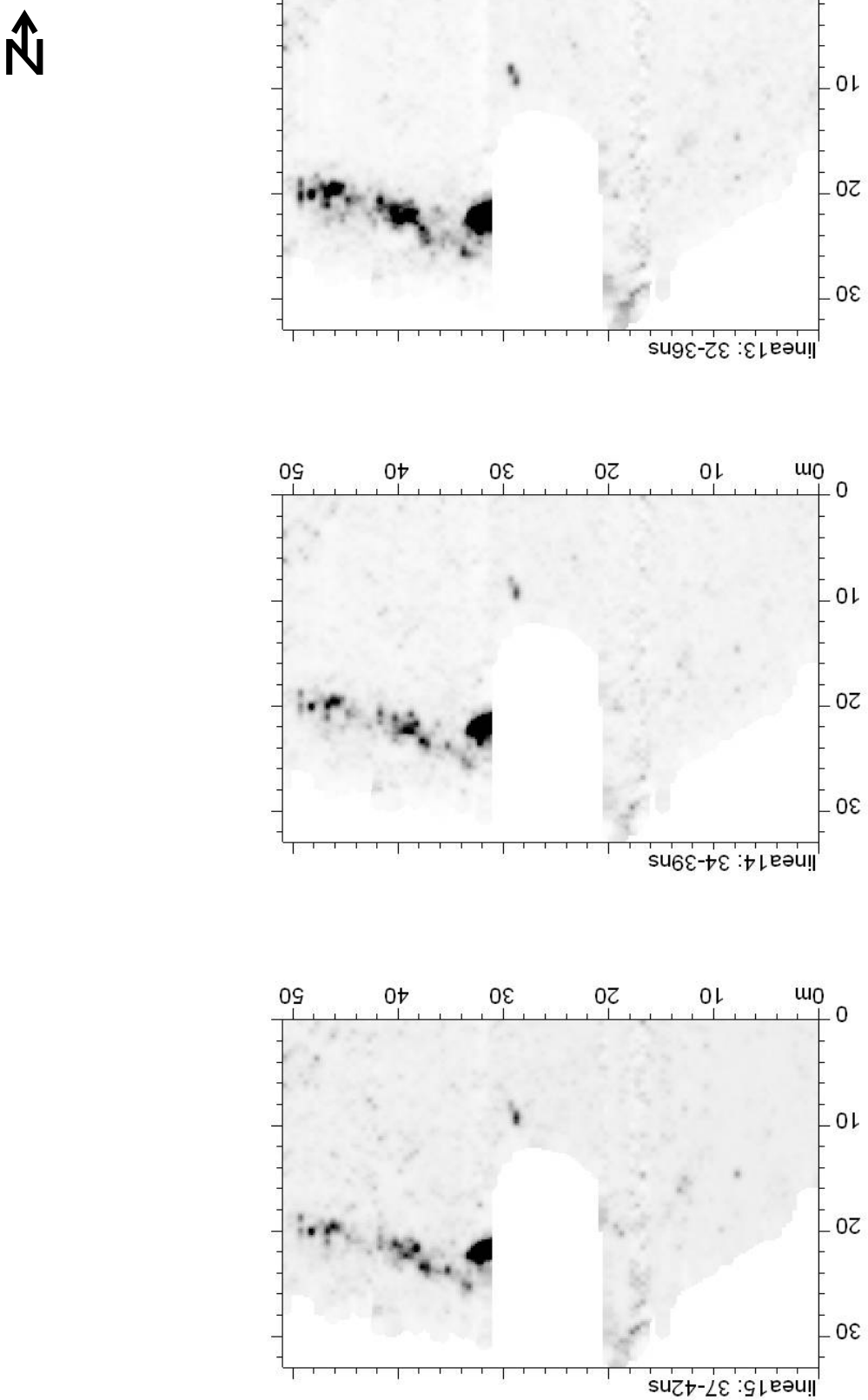
All scales in metres. Darker colours are higher amplitudes.

Figure 10.26 250MHz GPR Timeslices 7-9, Flag Fen Area 1



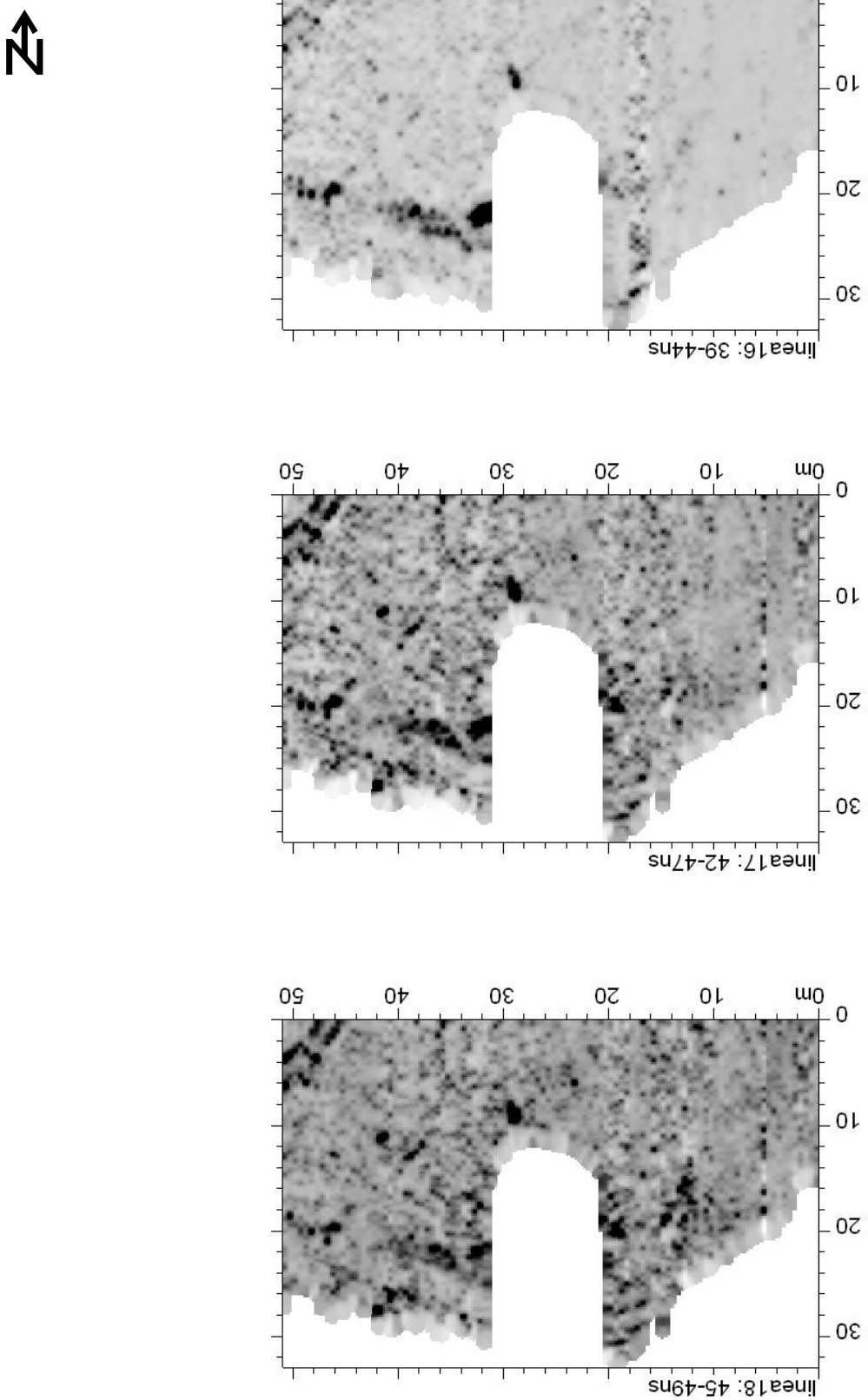
All scales in metres. Darker colours are higher amplitudes.

Figure 10.27 250MHz GPR Timeslices 10-12, Flag Fen Area 1



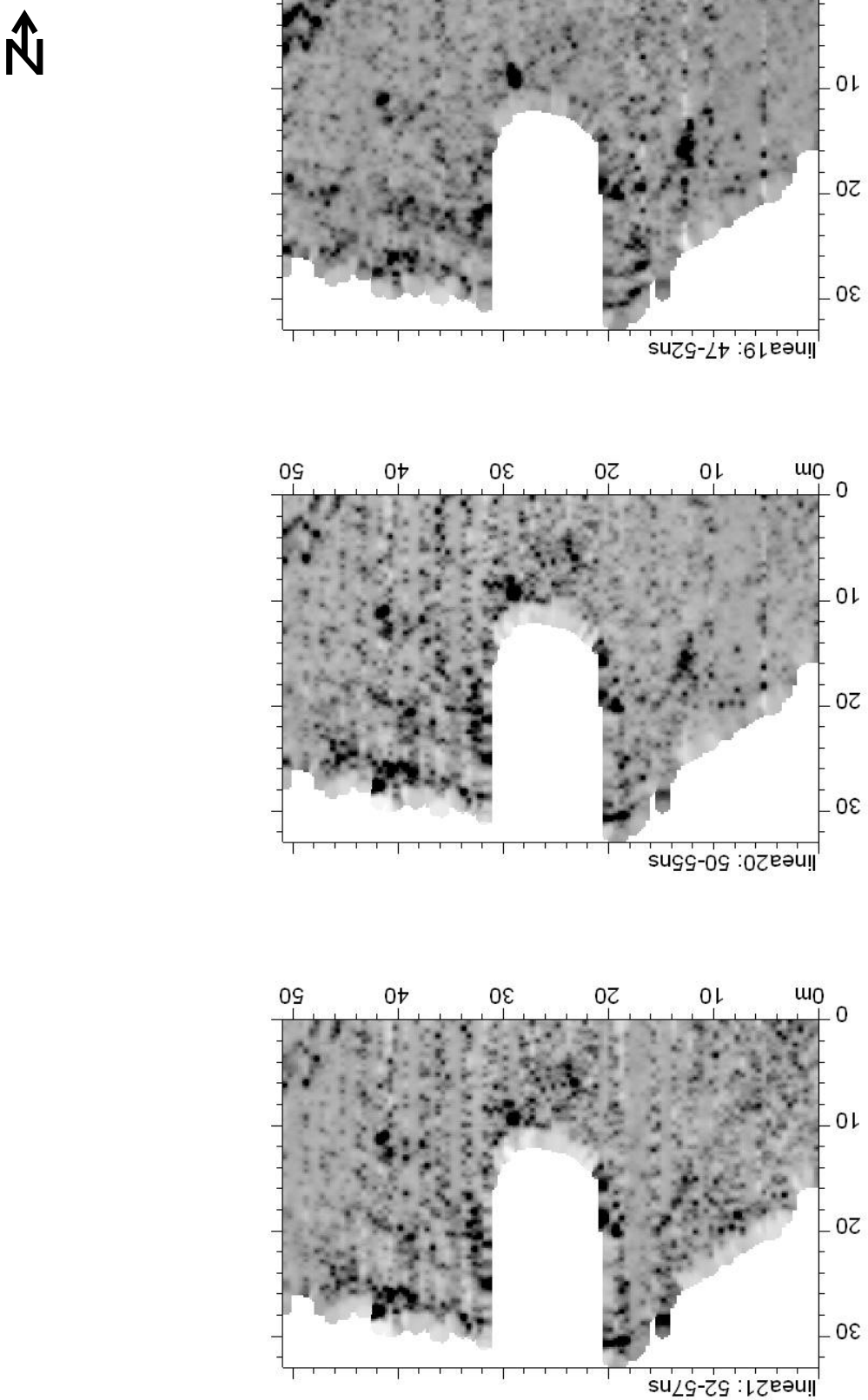
All scales in metres. Darker colours are higher amplitudes.

Figure 10.28 250MHz GPR Timeslices 13-15, Flag Fen Area 1



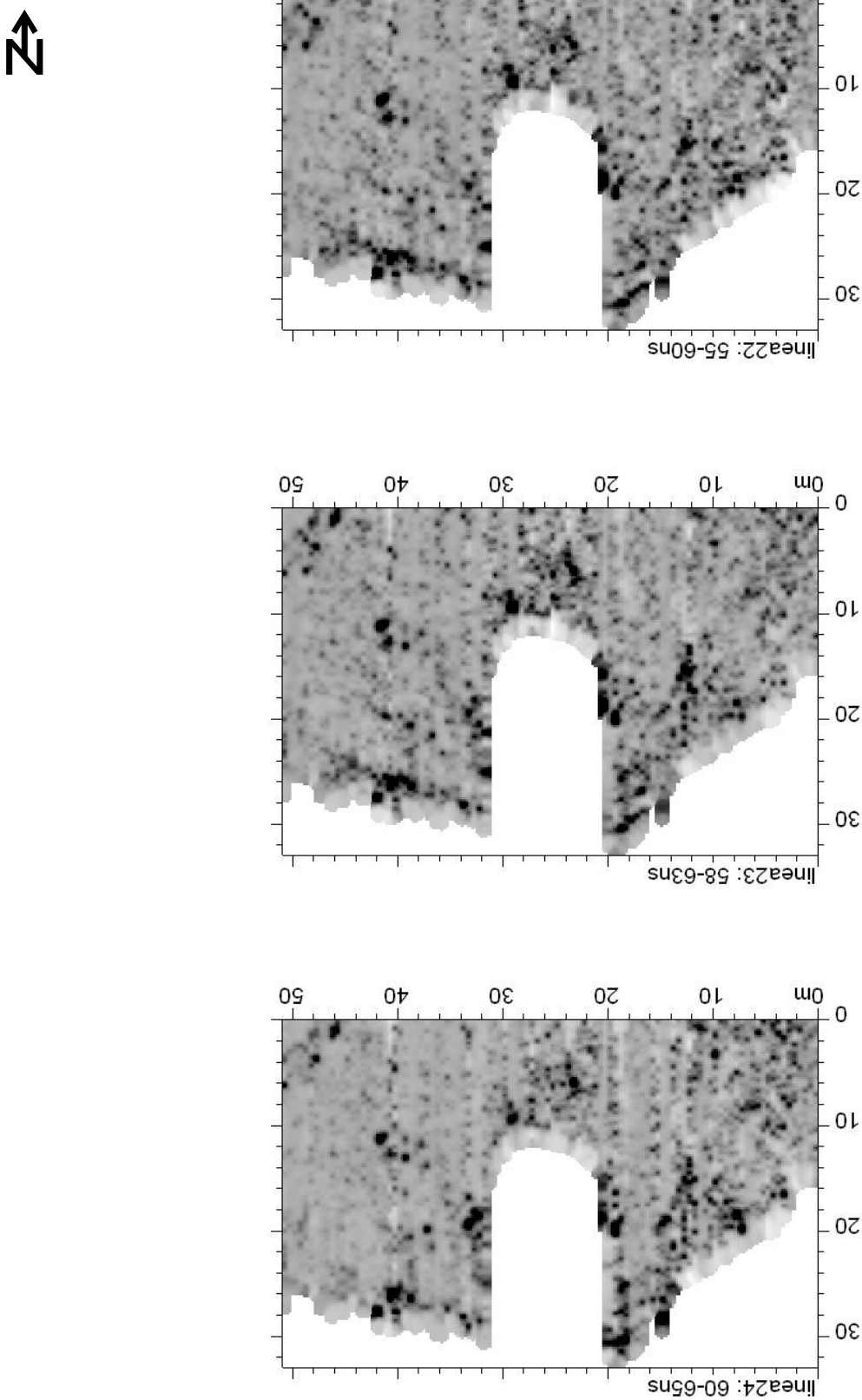
All scales in metres. Darker colours are higher amplitudes.

Figure 10.29 250MHz GPR Timeslices 16-18, Flag Fen Area 1



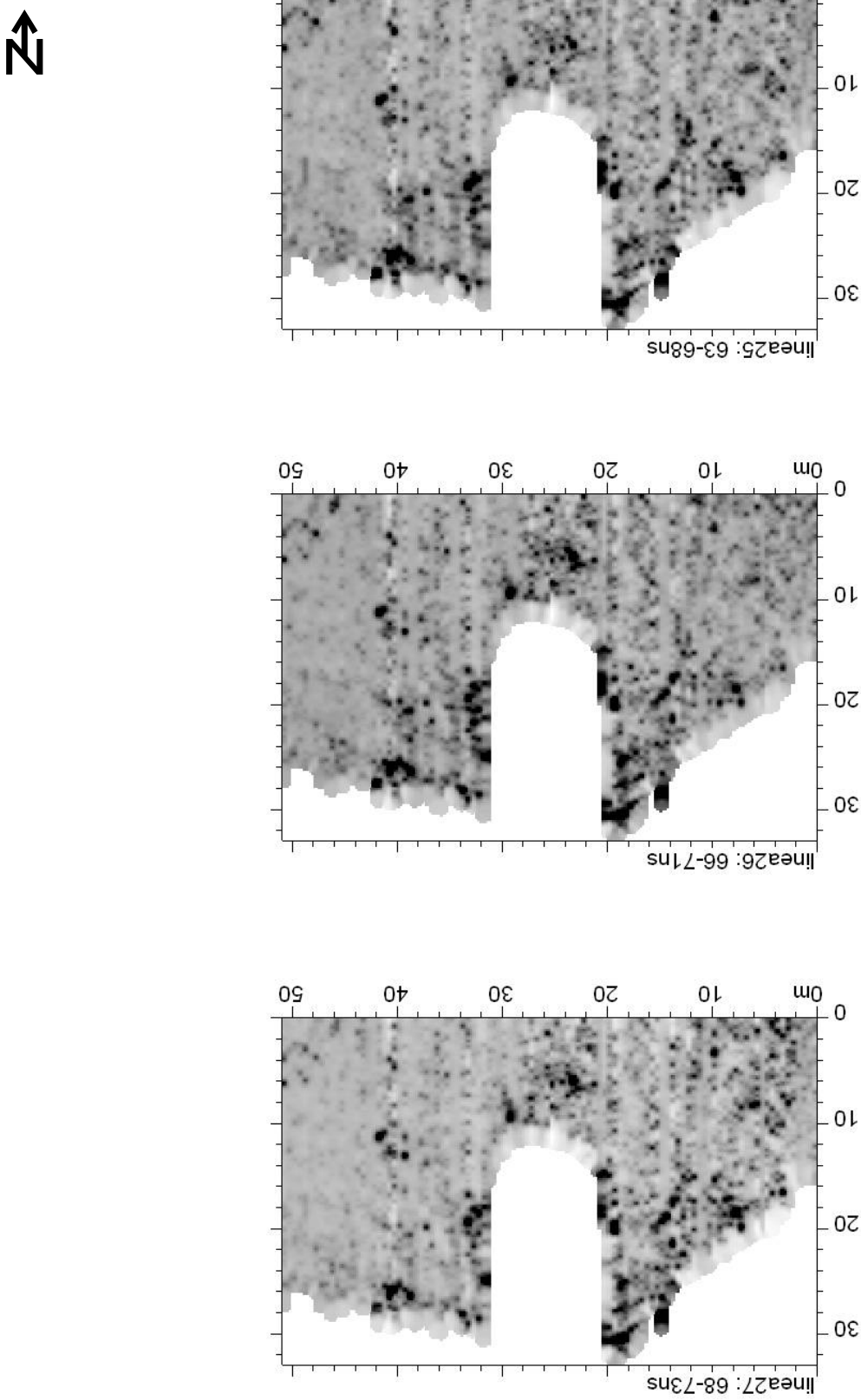
All scales in metres. Darker colours are higher amplitudes.

Figure 10.30 250MHz GPR Timeslices 19-21, Flag Fen Area 1



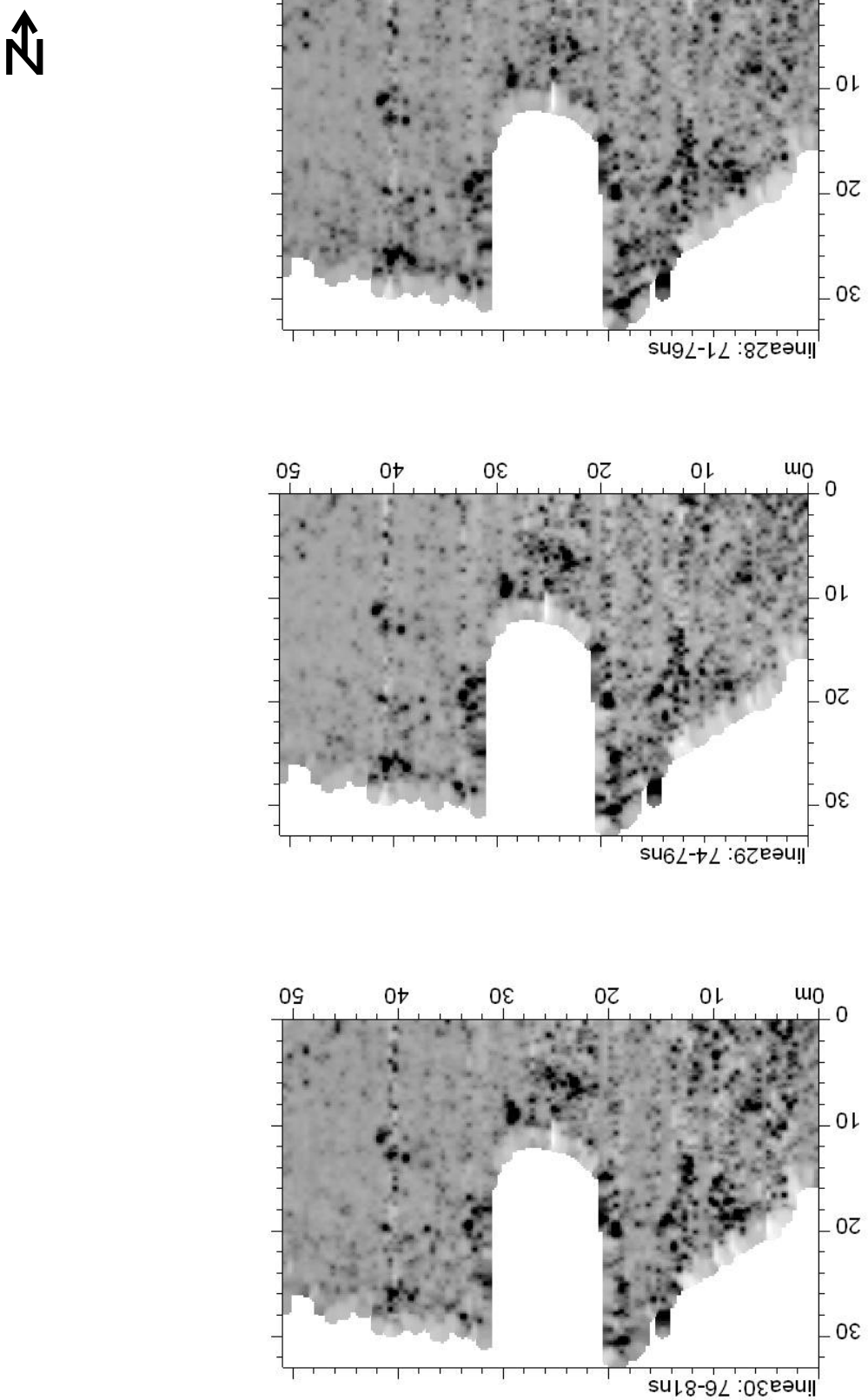
All scales in metres. Darker colours are higher amplitudes.

Figure 10.31 250MHz GPR Timeslices 22-24, Flag Fen Area 1



All scales in metres. Darker colours are higher amplitudes.

Figure 10.32 250MHz GPR Timeslices 25-27, Flag Fen Area 1

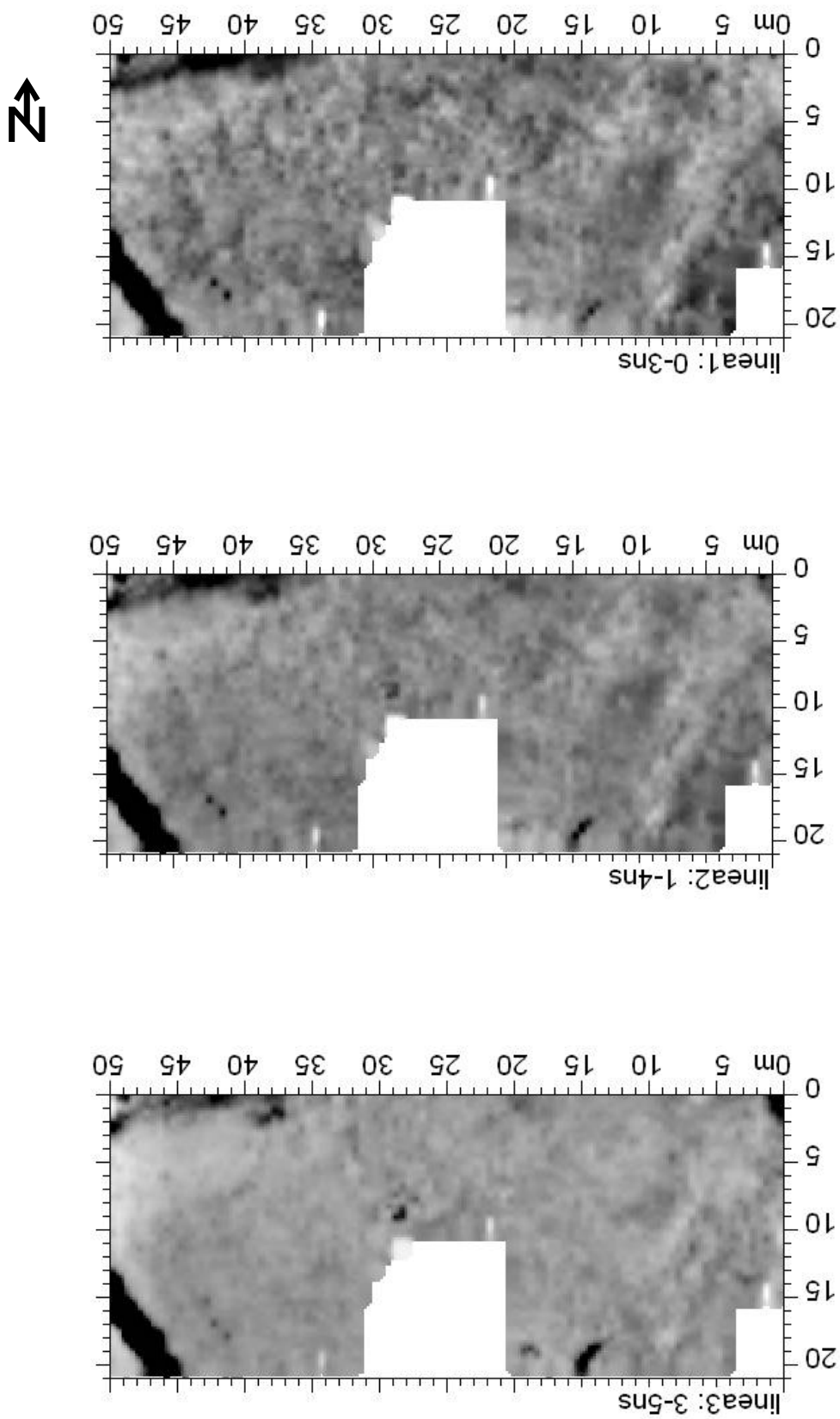


All scales in metres. Darker colours are higher amplitudes.

Figure 10.33 250MHz GPR Timeslices 28-30, Flag Fen Area 1

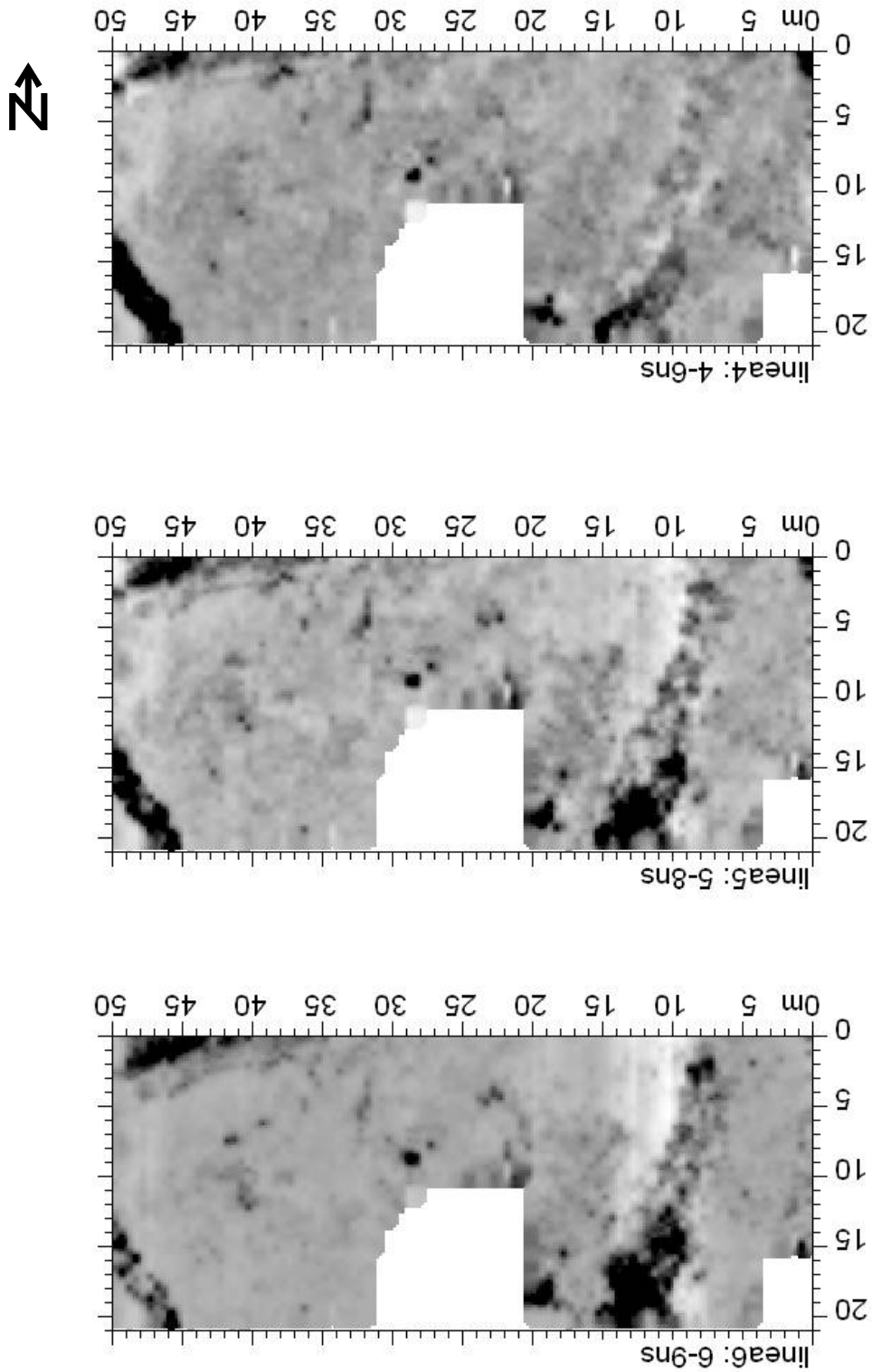
Timeslice	Time in n/s	Estimated Depth	Timeslice	Time in n/s	Estimated Depth
1	0.-2.54	0.-0.09	21	24.88-27.42	0.87-0.96
2	1.24-3.78	0.04-0.13	22	26.13-28.67	0.91-1.
3	2.49-5.03	0.09-0.18	23	27.37-29.91	0.96-1.05
4	3.73-6.27	0.13-0.22	24	28.62-31.15	1.-1.09
5	4.98-7.52	0.17-0.26	25	29.86-32.4	1.05-1.13
6	6.22-8.76	0.22-0.31	26	31.1-33.64	1.09-1.18
7	7.46-10.	0.26-0.35	27	32.35-34.89	1.13-1.22
8	8.71-11.25	0.3-0.39	28	33.59-36.13	1.18-1.26
9	9.95-12.49	0.35-0.44	29	34.84-37.38	1.22-1.31
10	11.2-13.74	0.39-0.48	30	36.08-38.62	1.26-1.35
11	12.44-14.98	0.44-0.52	31	37.32-39.86	1.31-1.4
12	13.69-16.22	0.48-0.57	32	38.57-41.11	1.35-1.44
13	14.93-17.47	0.52-0.61	33	39.81-42.35	1.39-1.48
14	16.17-18.71	0.57-0.65	34	41.06-43.6	1.44-1.53
15	17.42-19.96	0.61-0.7	35	42.3-44.84	1.48-1.57
16	18.66-21.2	0.65-0.74	36	43.54-46.08	1.52-1.61
17	19.91-22.45	0.7-0.79	37	44.79-47.33	1.57-1.66
18	21.15-23.69	0.74-0.83	38	46.03-48.57	1.61-1.7
19	22.39-24.93	0.78-0.87	39	47.28-49.77	1.65-1.74
20	23.64-26.18	0.83-0.92	40	48.52-49.77	1.7-1.74

Figure 10.34 500 MHz GPR depth estimates, Flag Fen Area 1



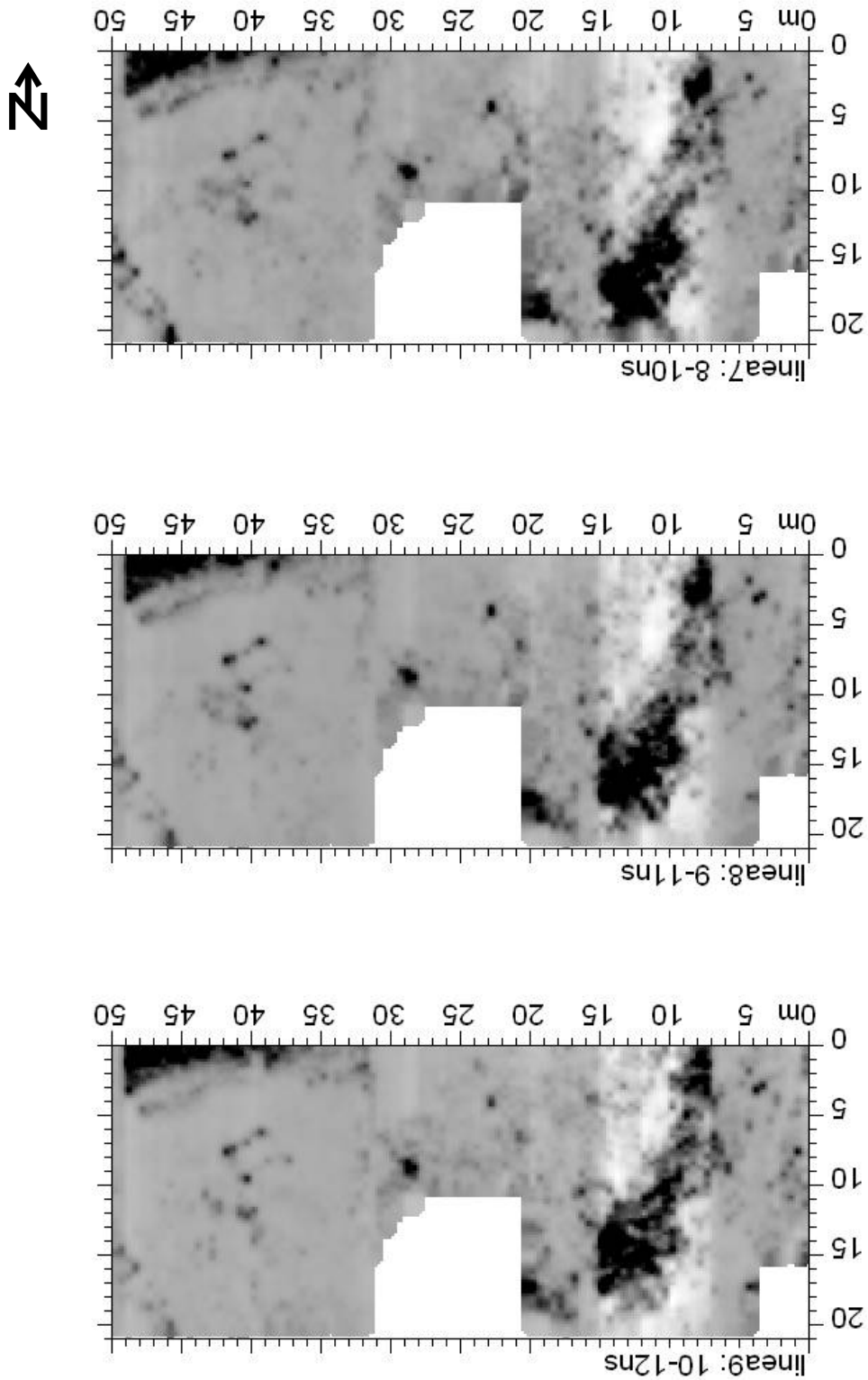
All scales in metres. Darker colours are higher amplitudes.

Figure 10.35 500MHz GPR Timeslices 1-3, Flag Fen Area 1



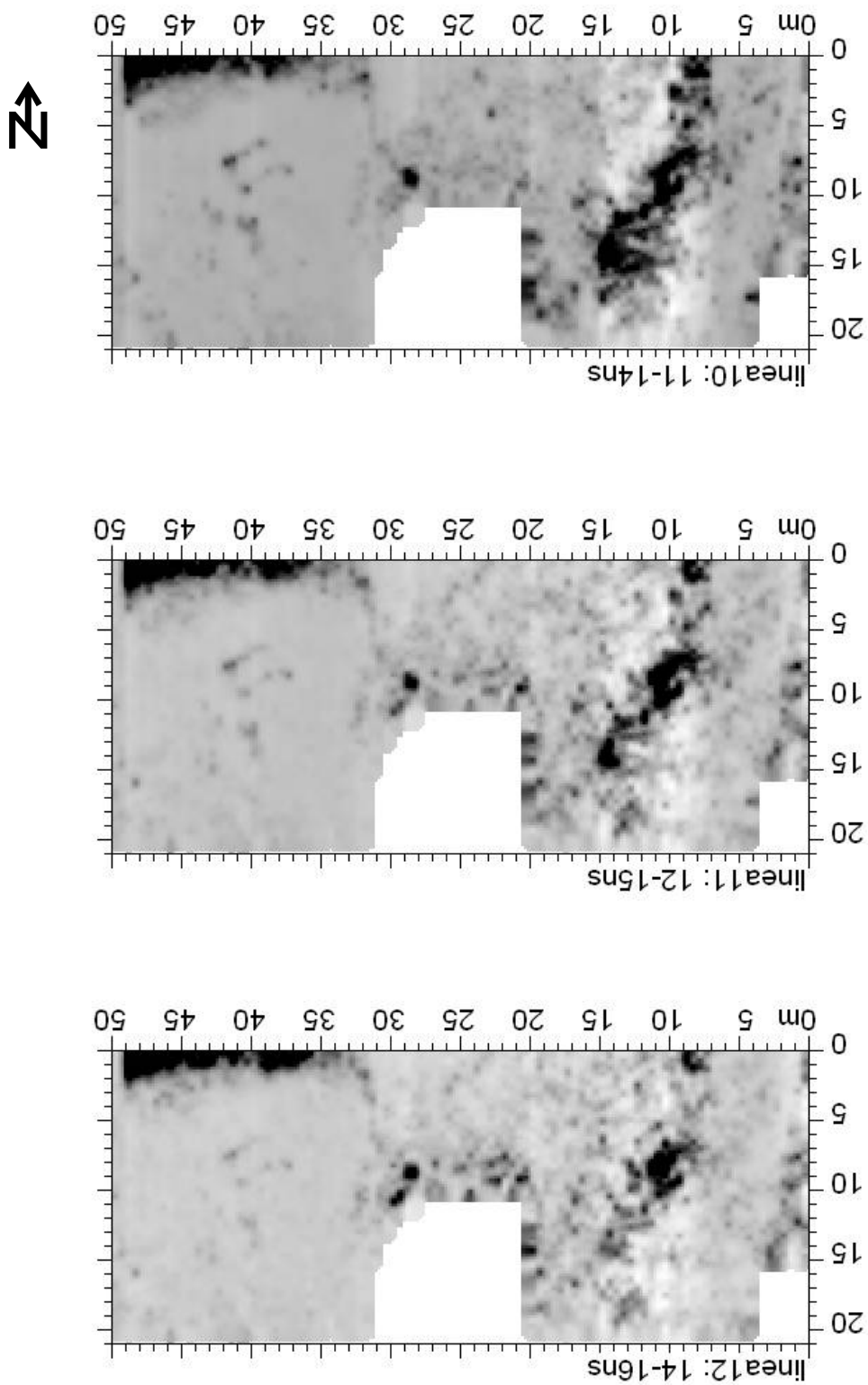
All scales in metres. Darker colours are higher amplitudes.

Figure 10.36 500MHz GPR Timeslices 4-6, Flag Fen Area 1



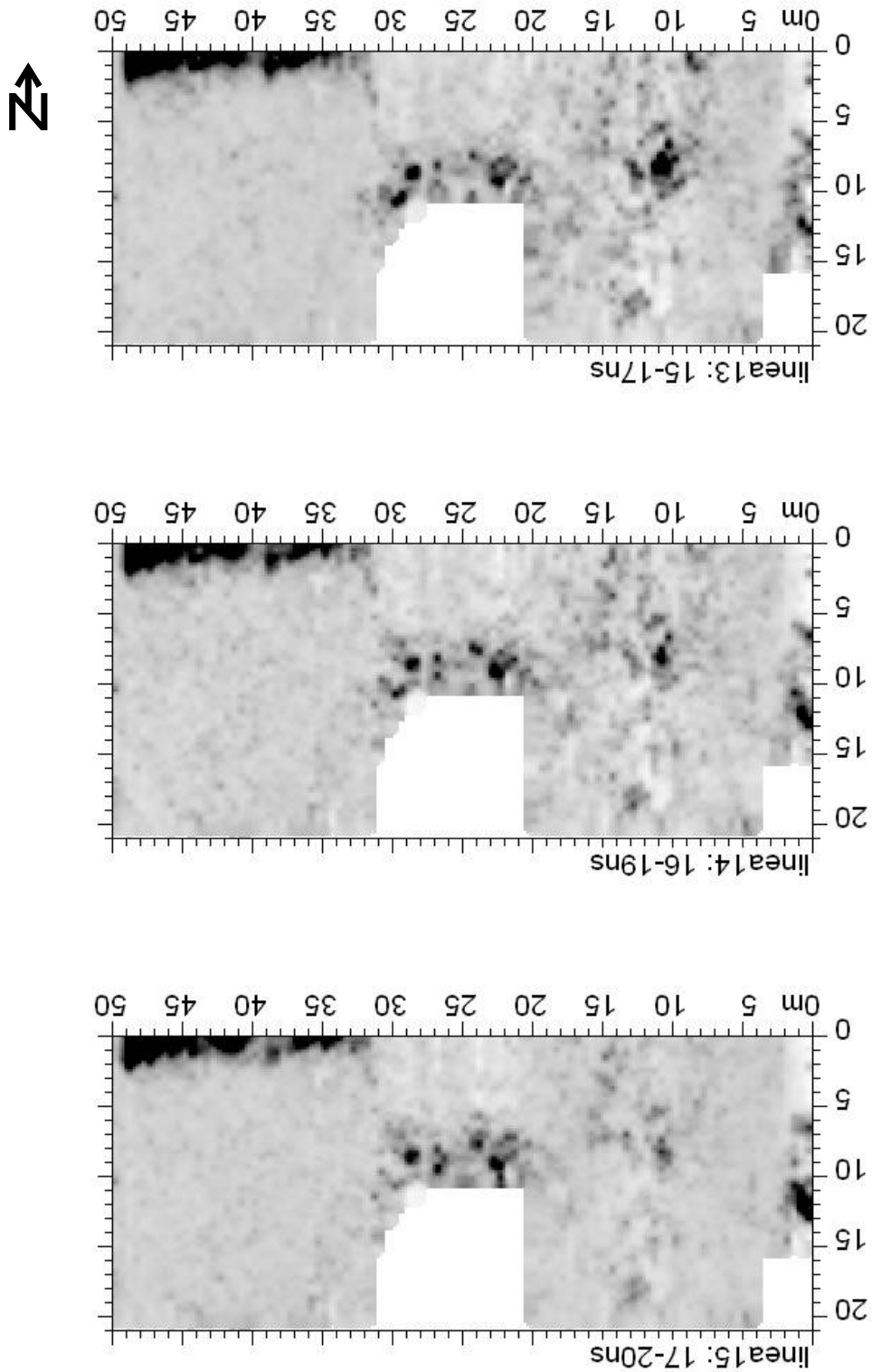
All scales in metres. Darker colours are higher amplitudes.

Figure 10.37 500MHz GPR Timeslices 7-9, Flag Fen Area 1



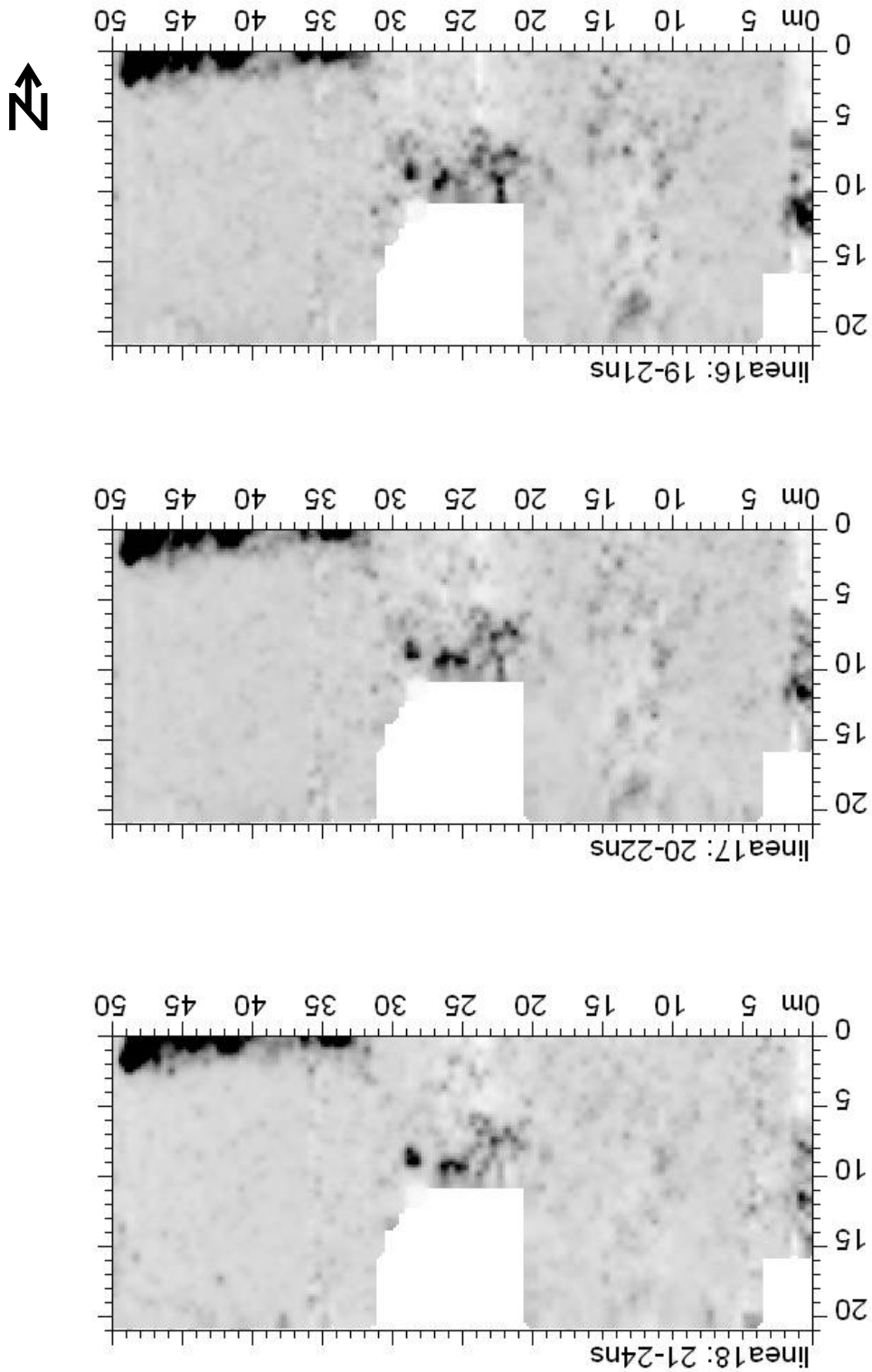
All scales in metres. Darker colours are higher amplitudes.

Figure 10.38 500MHz GPR Timeslices 10-12, Flag Fen Area 1



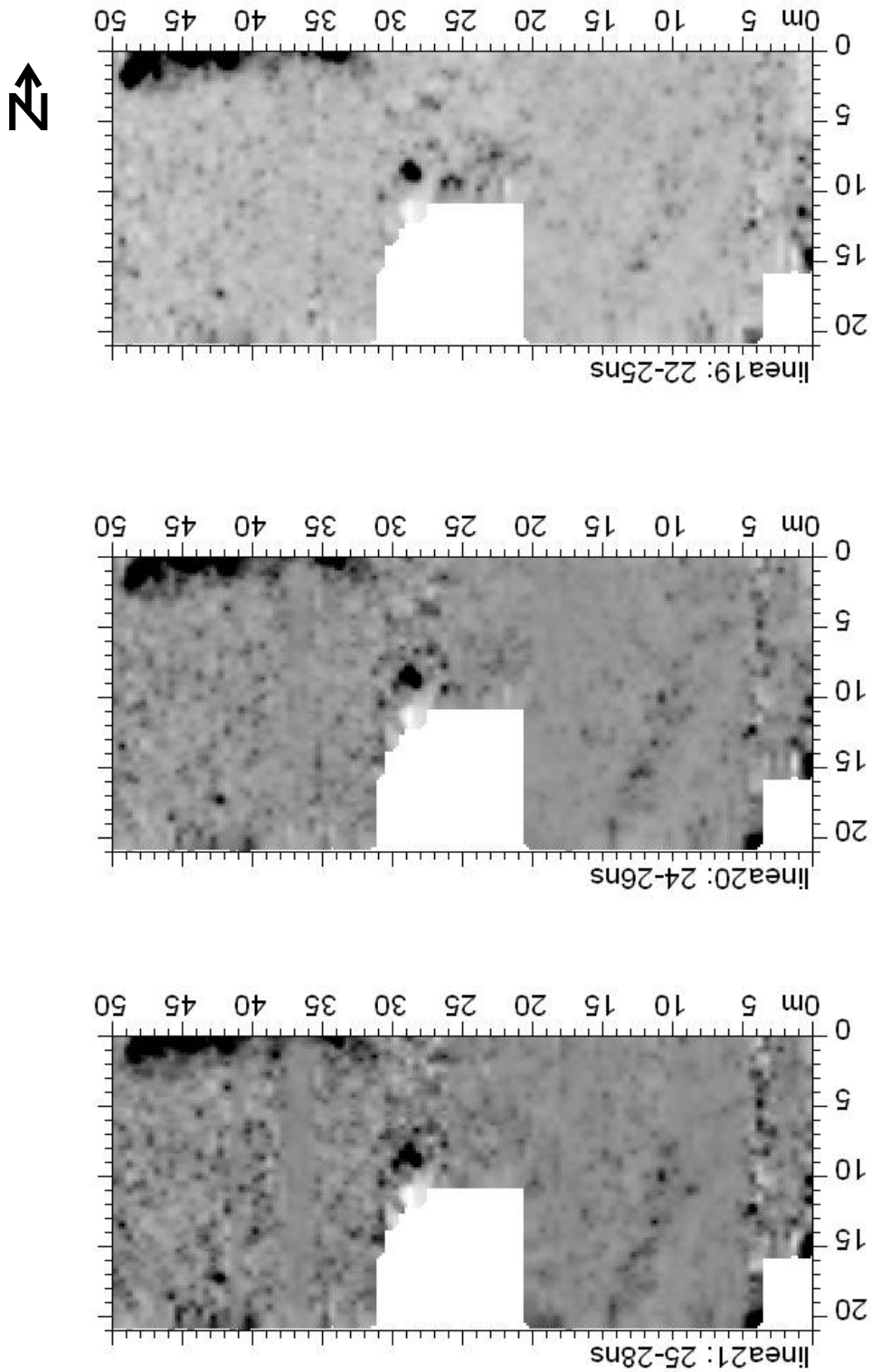
All scales in metres. Darker colours are higher amplitudes.

Figure 10.39 500MHz GPR Timeslices 13-15, Flag Fen Area 1



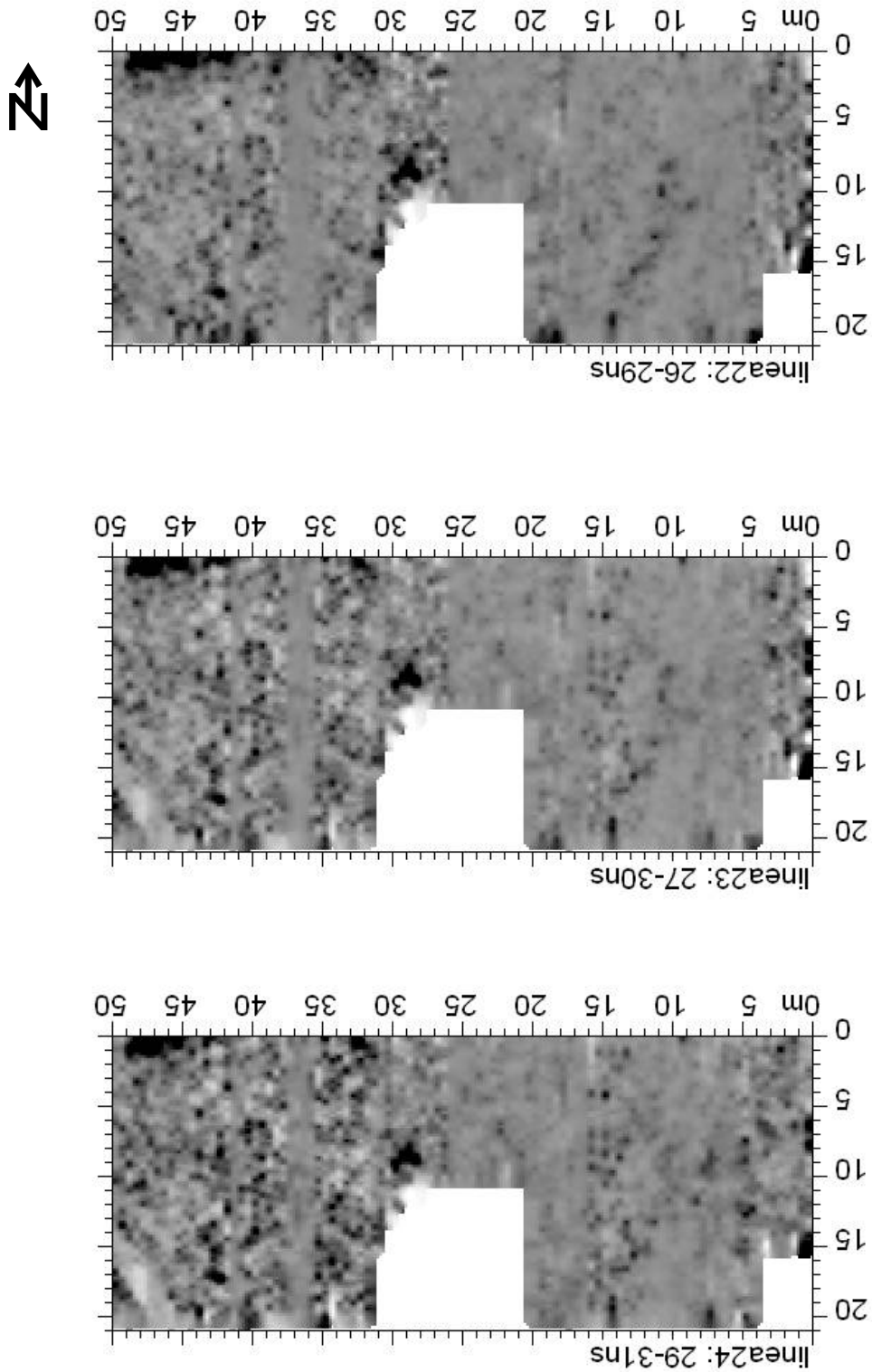
All scales in metres. Darker colours are higher amplitudes.

Figure 10.40 500MHz GPR Timeslices 16-18, Flag Fen Area 1



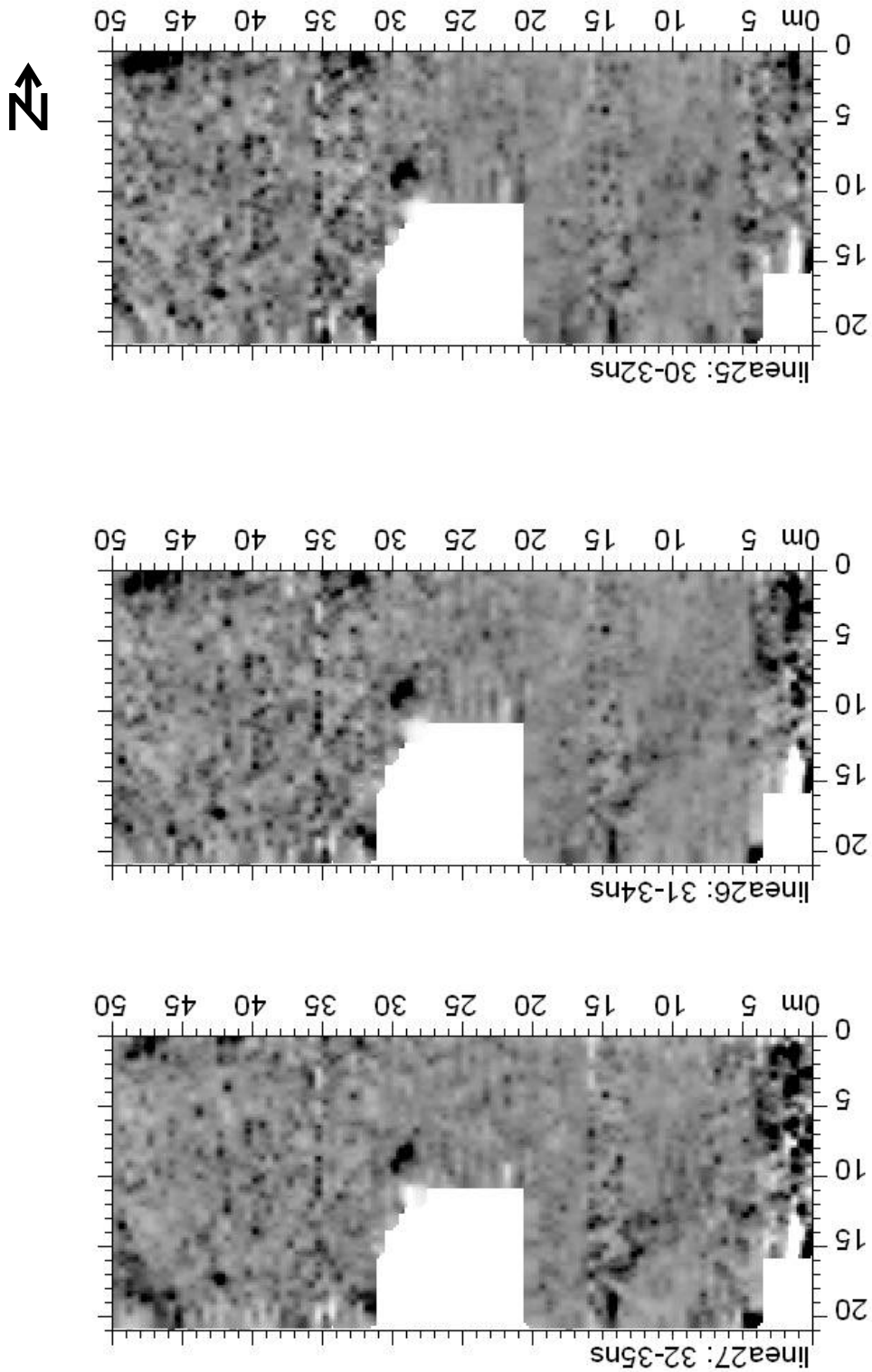
All scales in metres. Darker colours are higher amplitudes.

Figure 10.41 500MHz GPR Timeslices 19-21, Flag Fen Area 1



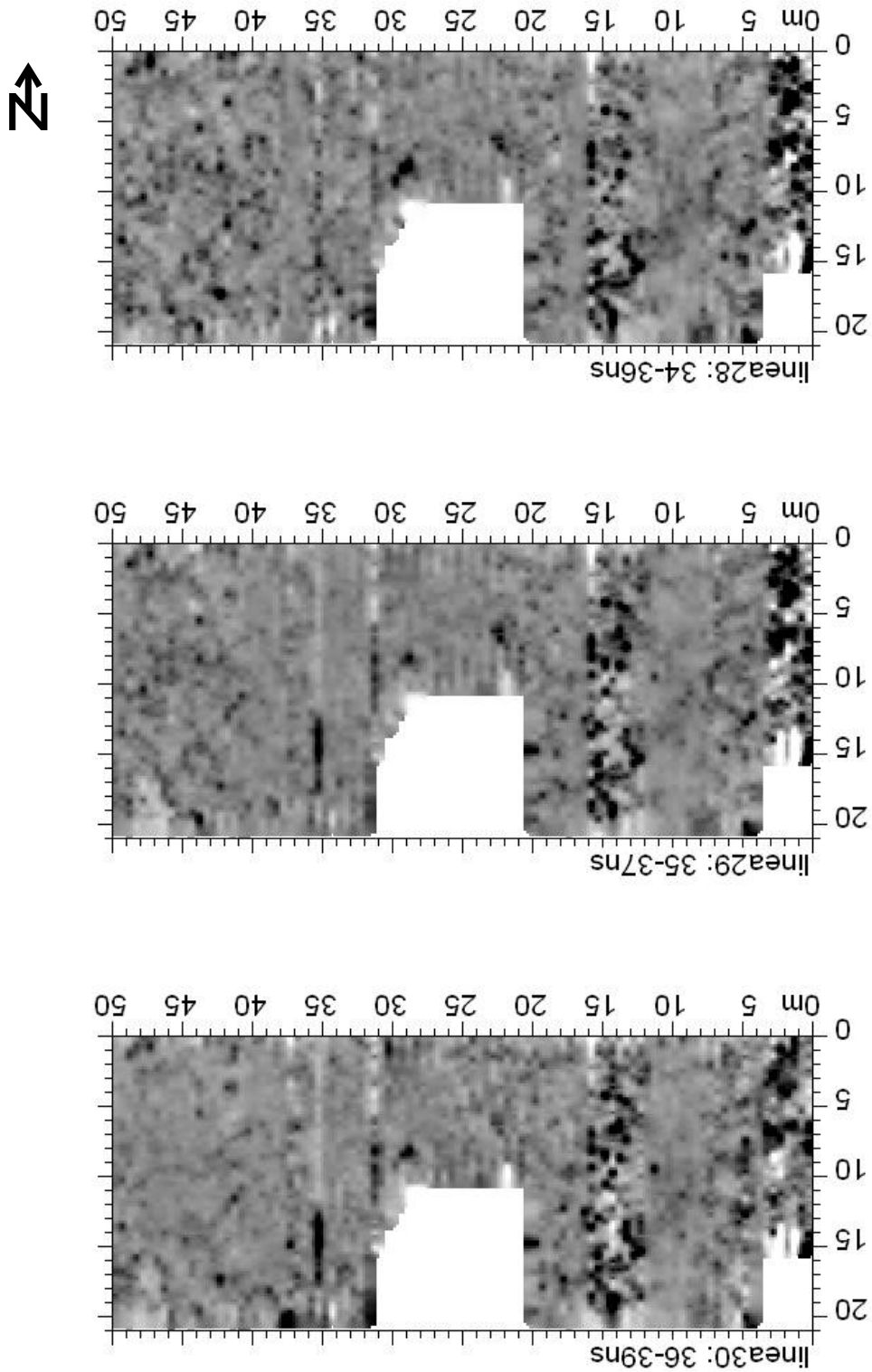
All scales in metres. Darker colours are higher amplitudes.

Figure 10.42 500MHz GPR Timeslices 22-24, Flag Fen Area 1



All scales in metres. Darker colours are higher amplitudes.

Figure 10.43 500MHz GPR Timeslices 25-27, Flag Fen Area 1



All scales in metres. Darker colours are higher amplitudes.

Figure 10.44 500MHz GPR Timeslices 28-30, Flag Fen Area 1

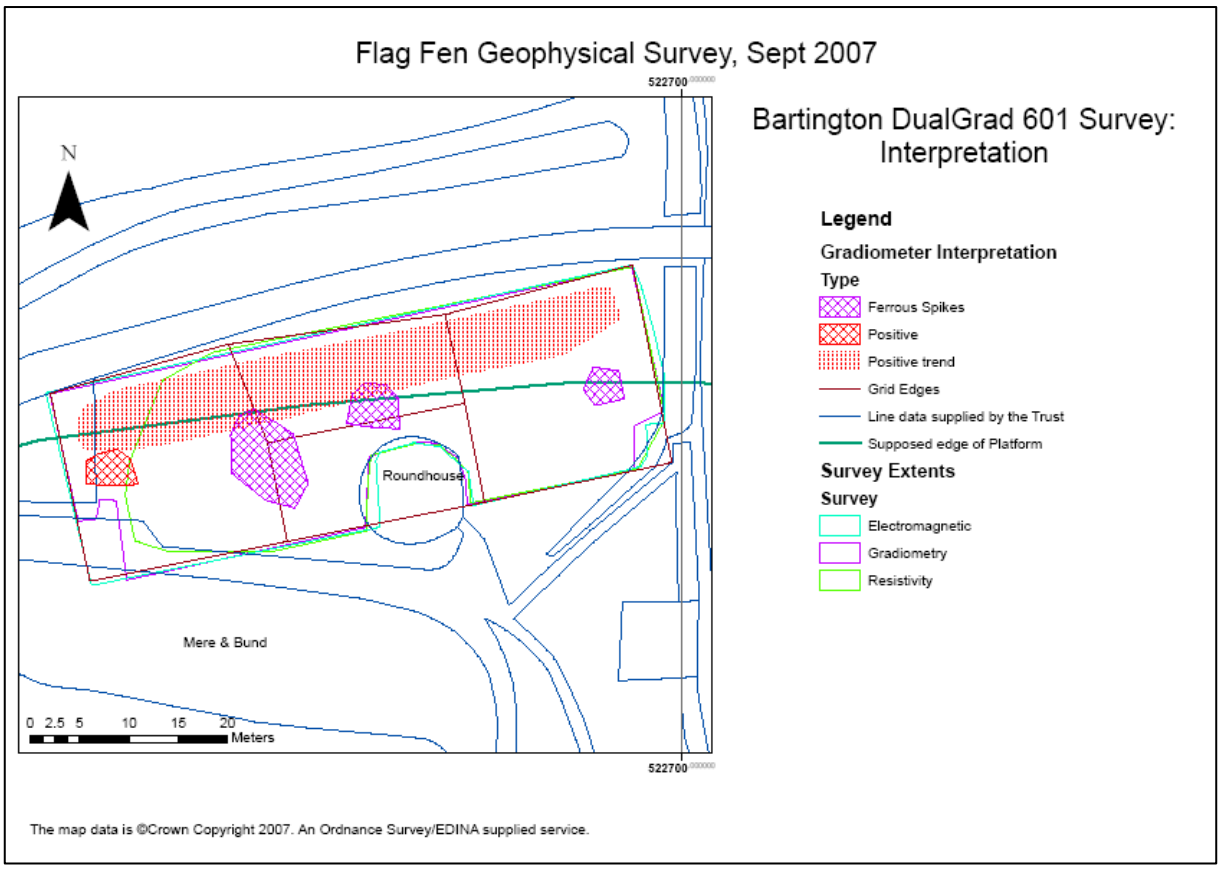


Figure 10.45: Bartington DualGrad survey interpretation, Flag Fen Area 1

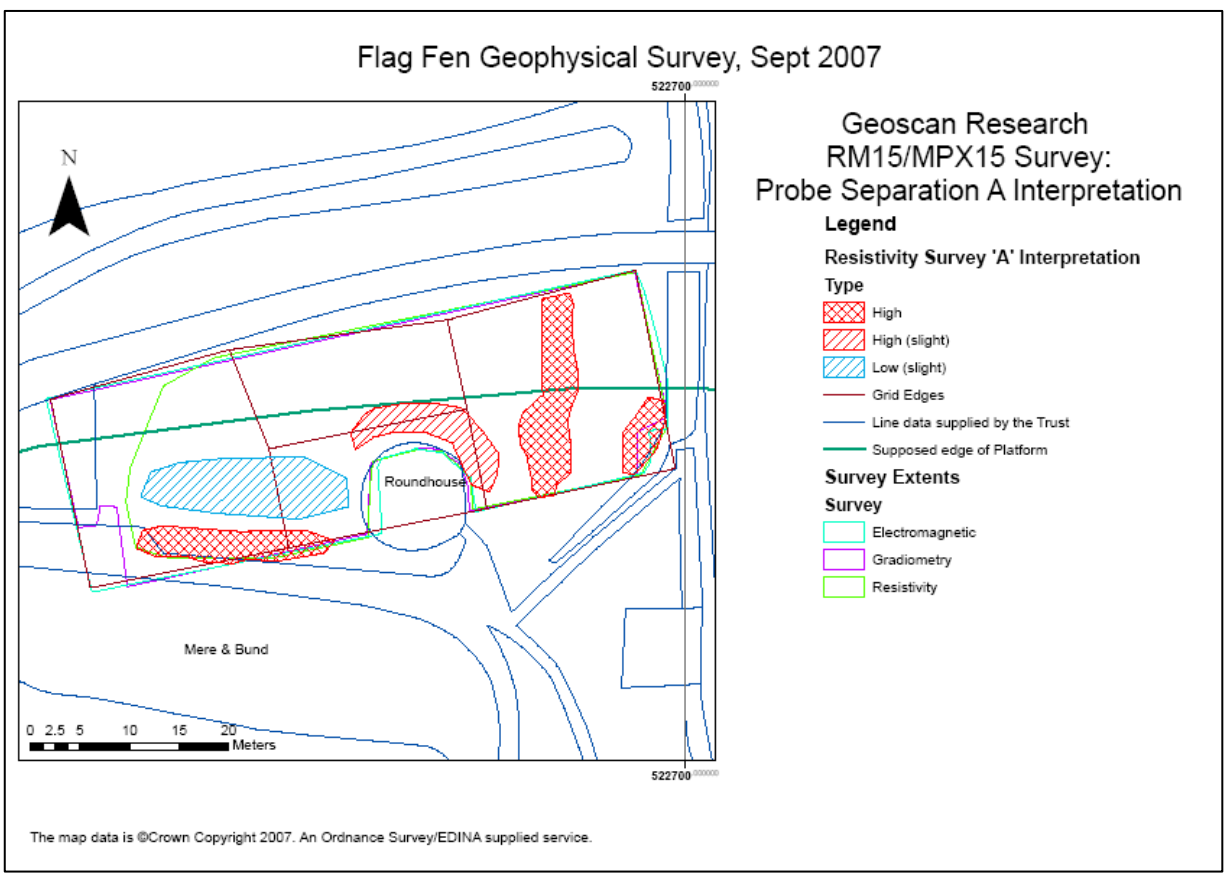


Figure 10.46 Multiplexed resistivity survey interpretation, probe separation A, Flag Fen Area 1

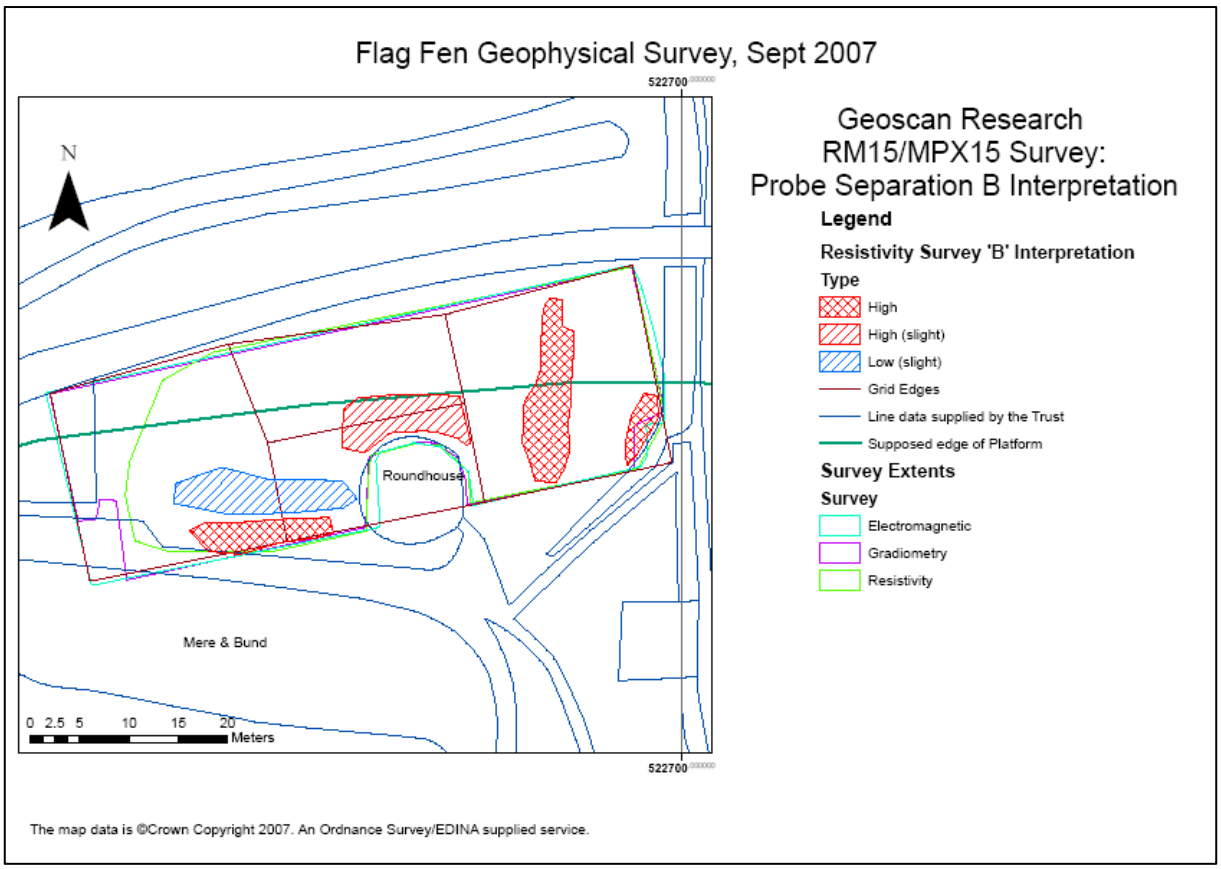


Figure 10.47: Multiplexed resistivity survey interpretation, probe separation B, Flag Fen Area 1

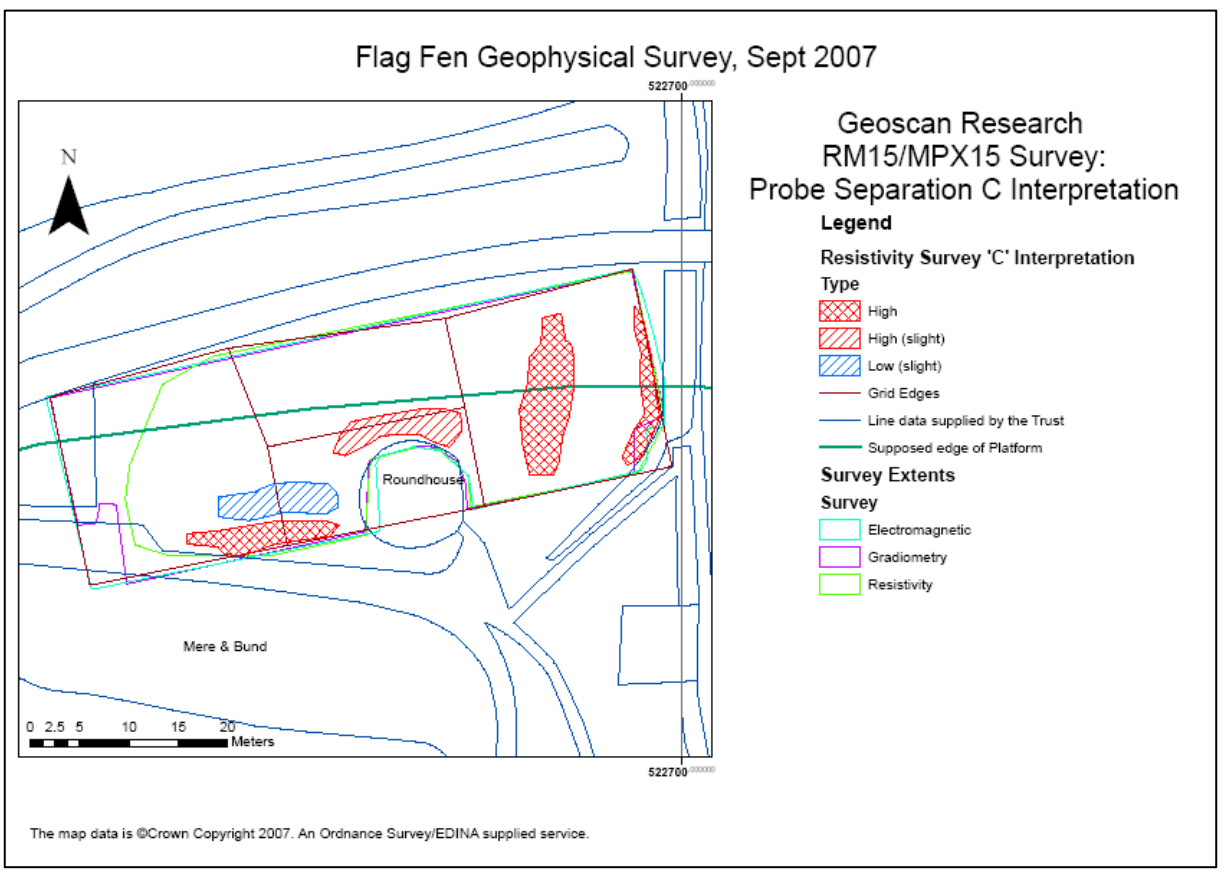


Figure 10.48 Multiplexed resistivity survey interpretation, probe separation C, Flag Fen Area 1

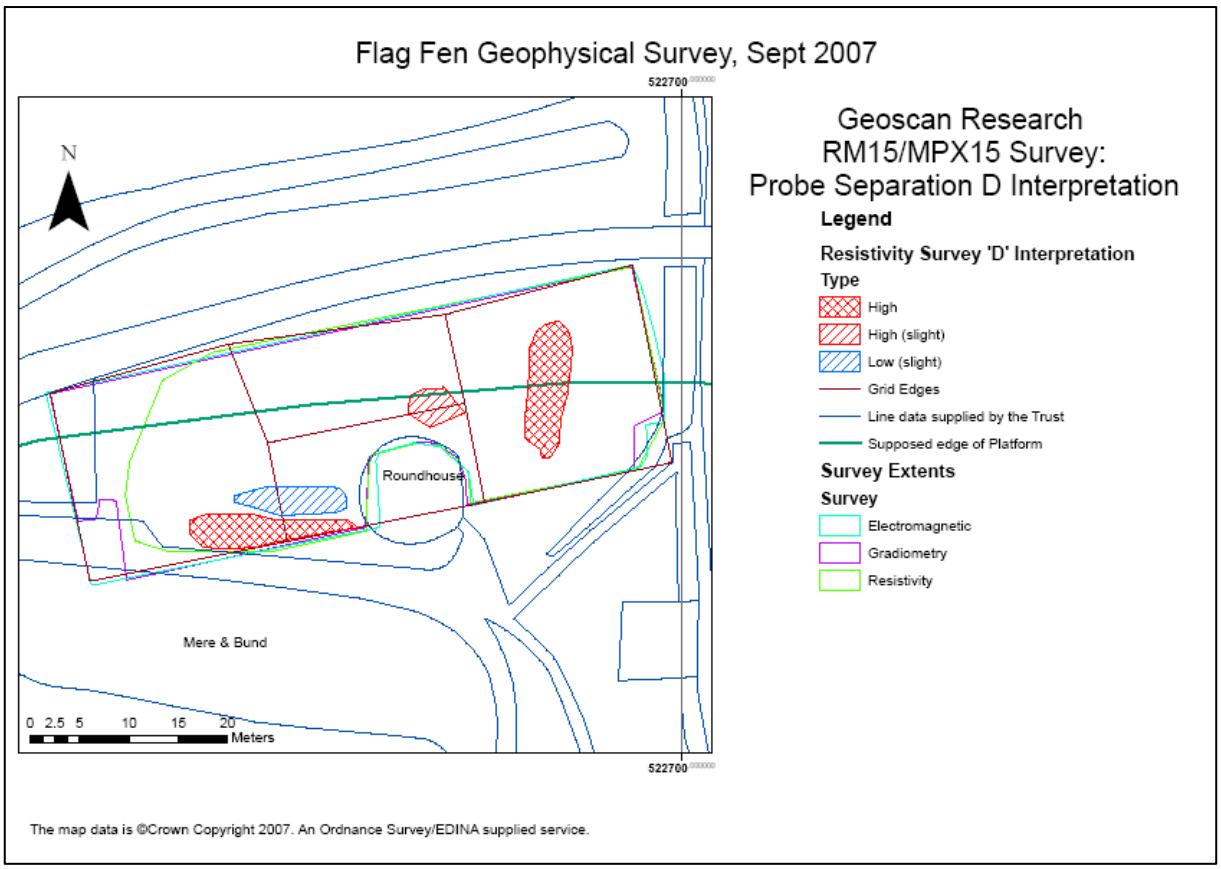


Figure 10.49: Multiplexed resistivity survey interpretation, probe separation D, Flag Fen Area 1

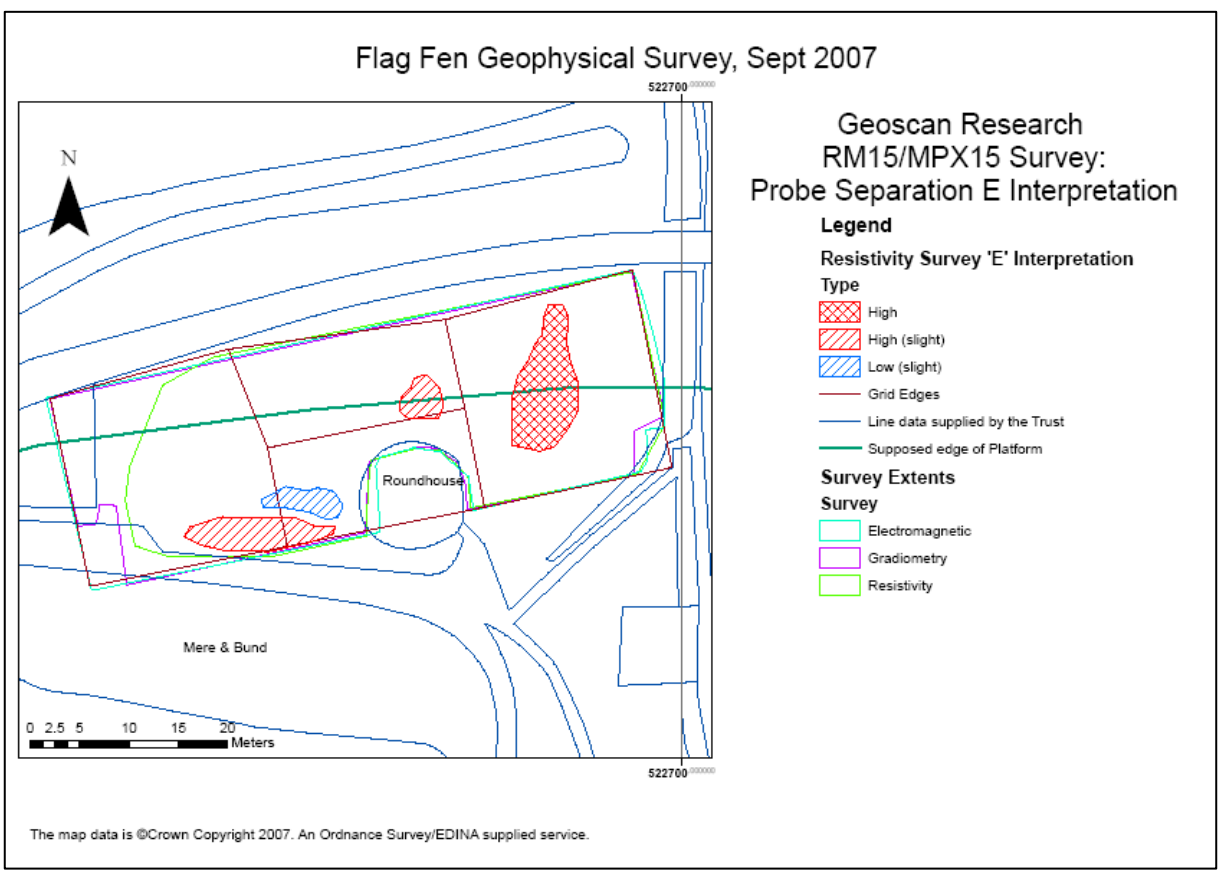


Figure 10.50 Multiplexed resistivity survey interpretation, probe separation E, Flag Fen Area 1

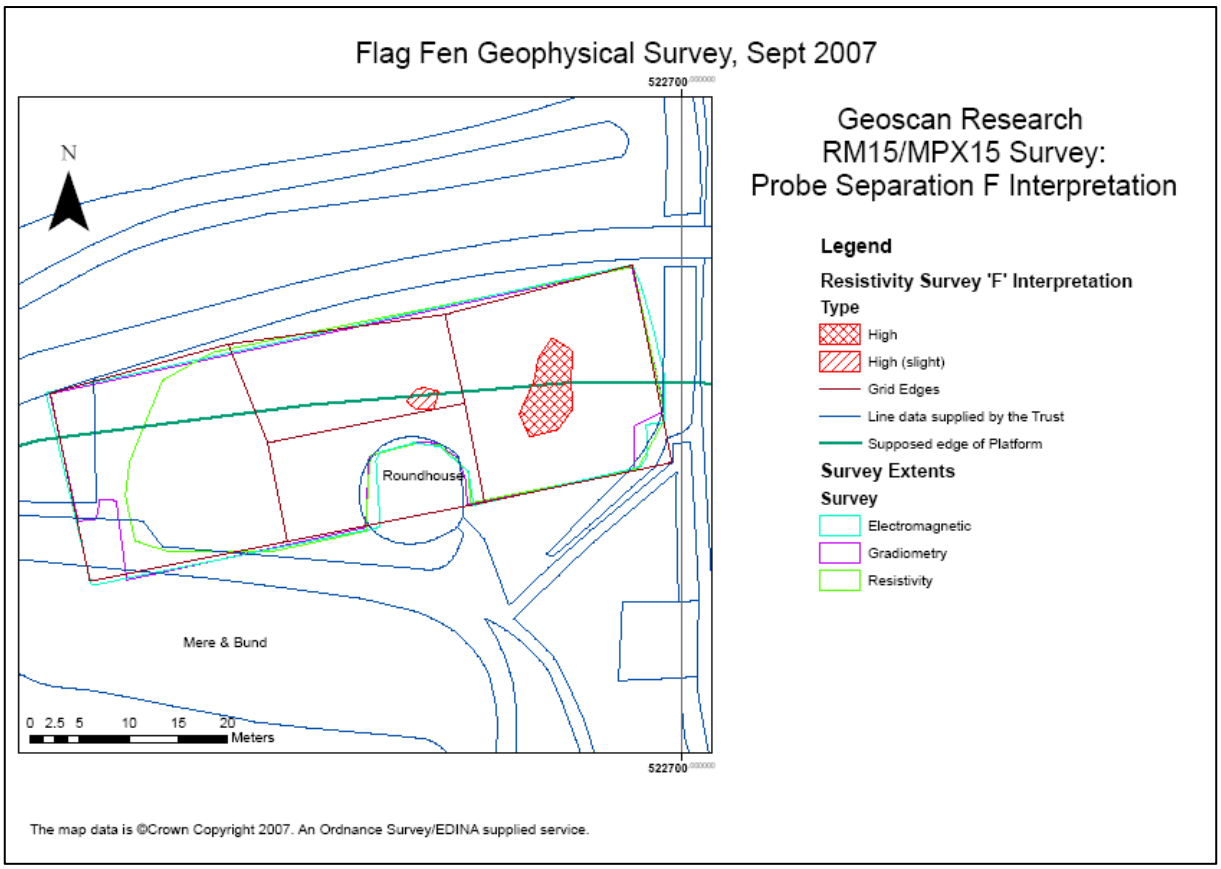


Figure 10.51: Multiplexed resistivity survey interpretation, probe separation F, Flag Fen Area 1

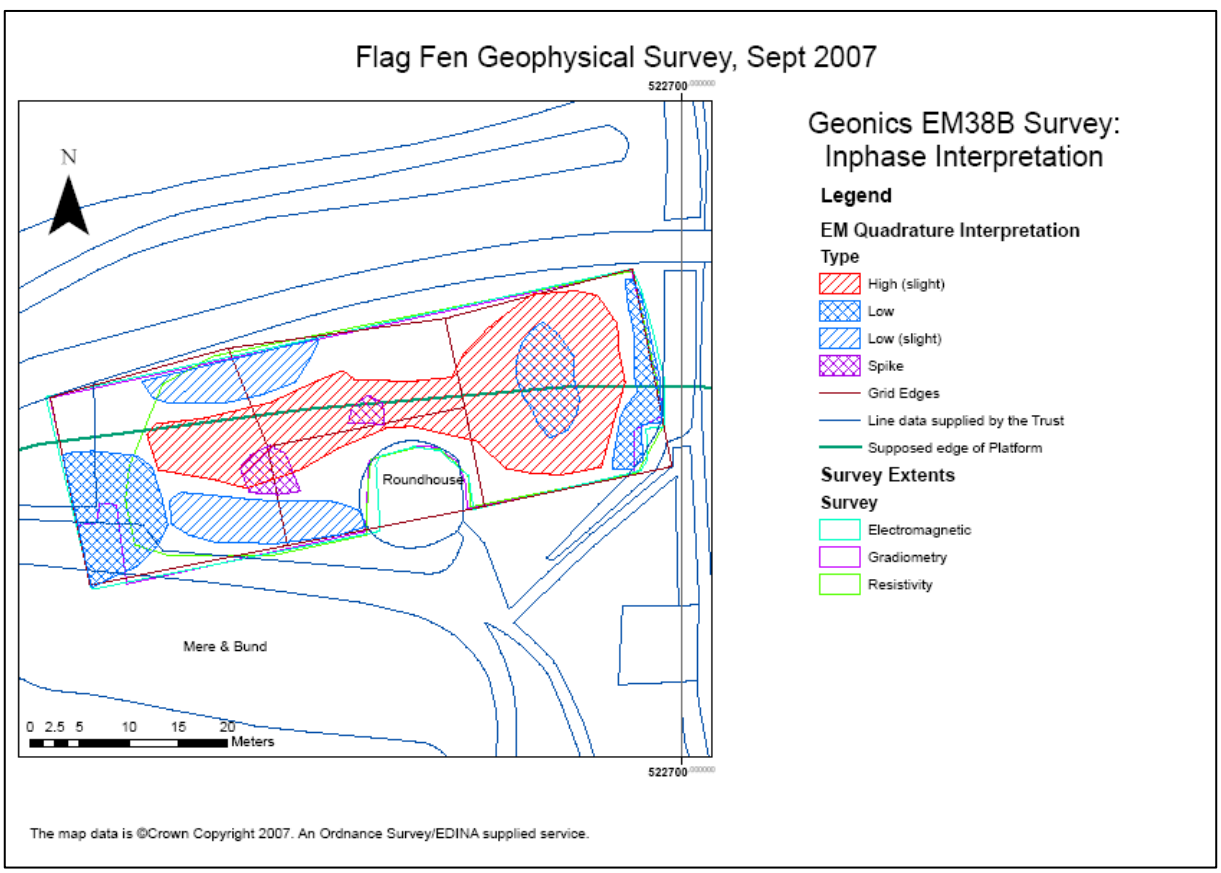


Figure 10.52 Vertical EM quadrature survey interpretation, Flag Fen Area 1

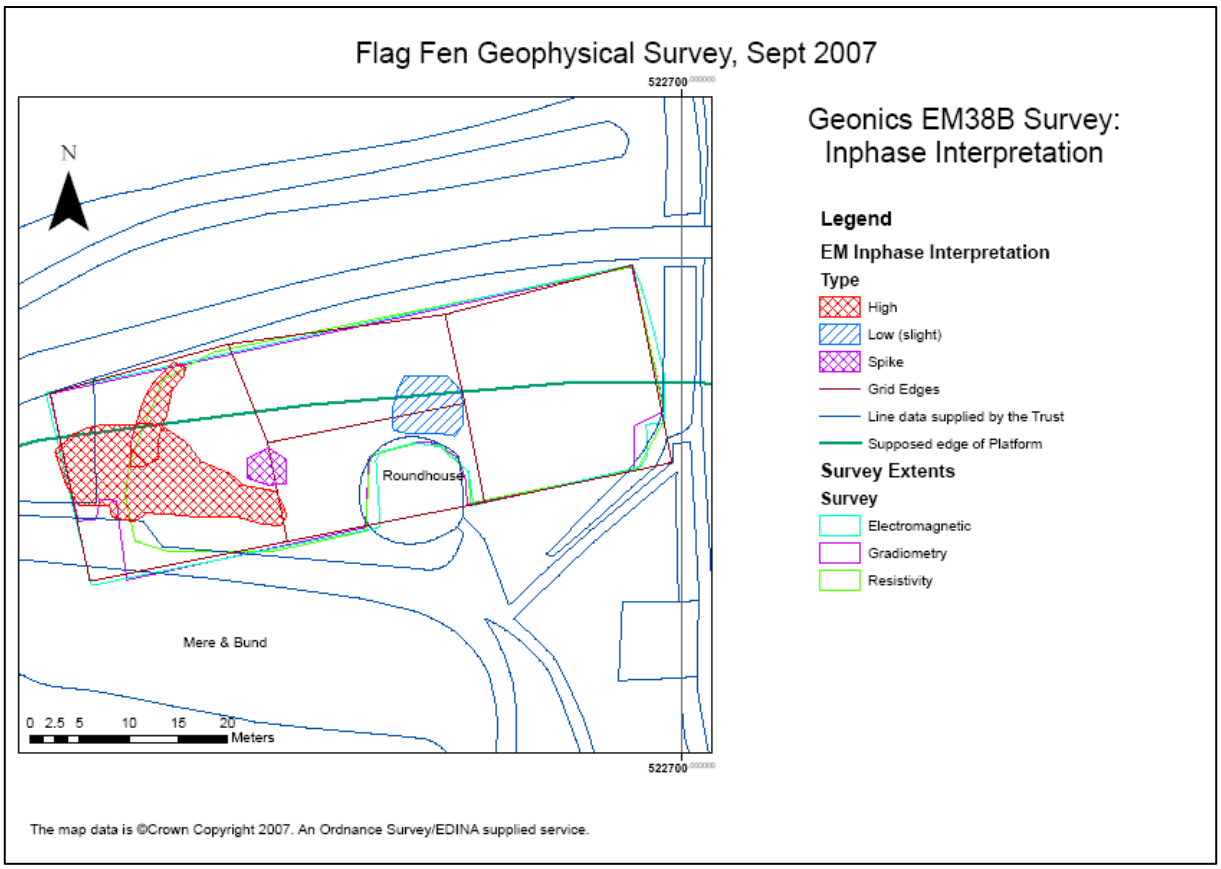


Figure 10.53: Vertical EM inphase survey interpretation, Flag Fen Area 1

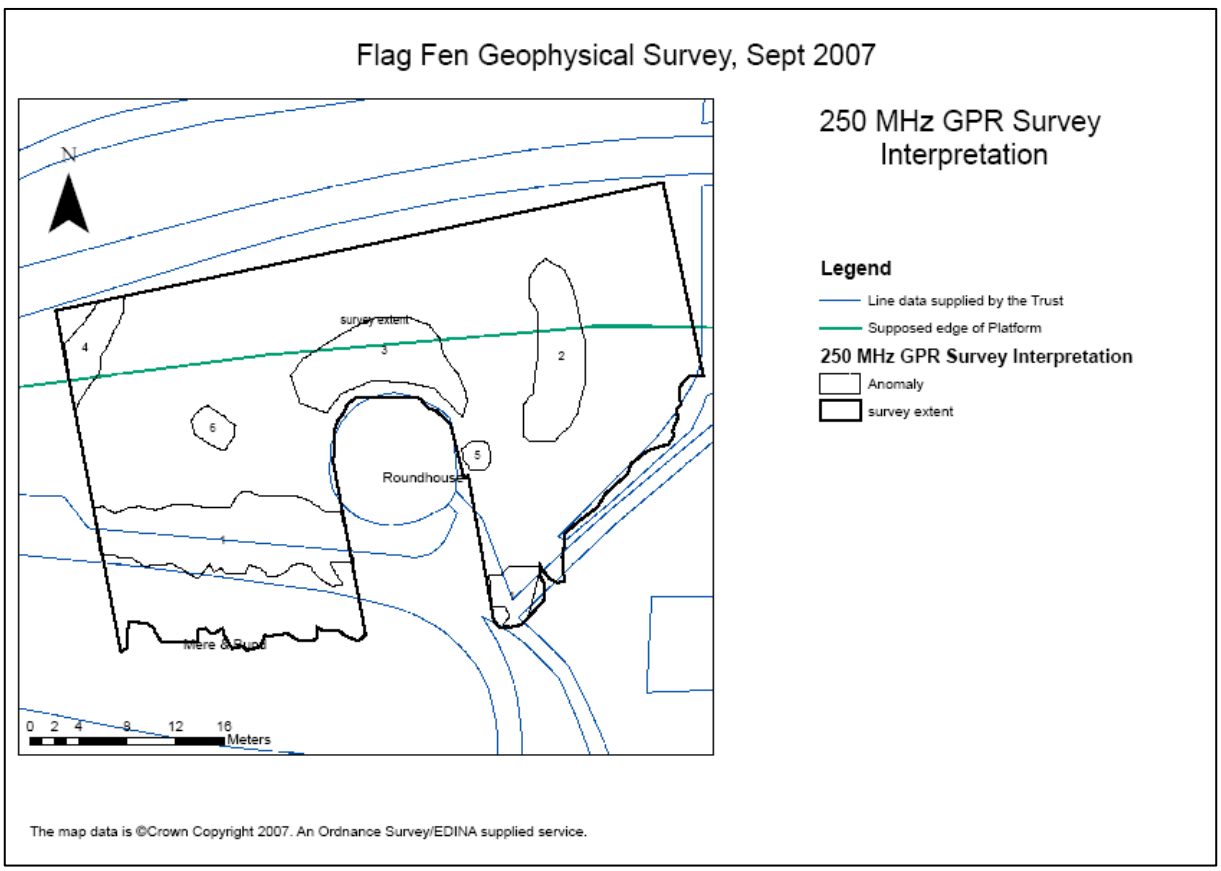


Figure 10.54 250MHz radar survey interpretation, Flag Fen Area 1

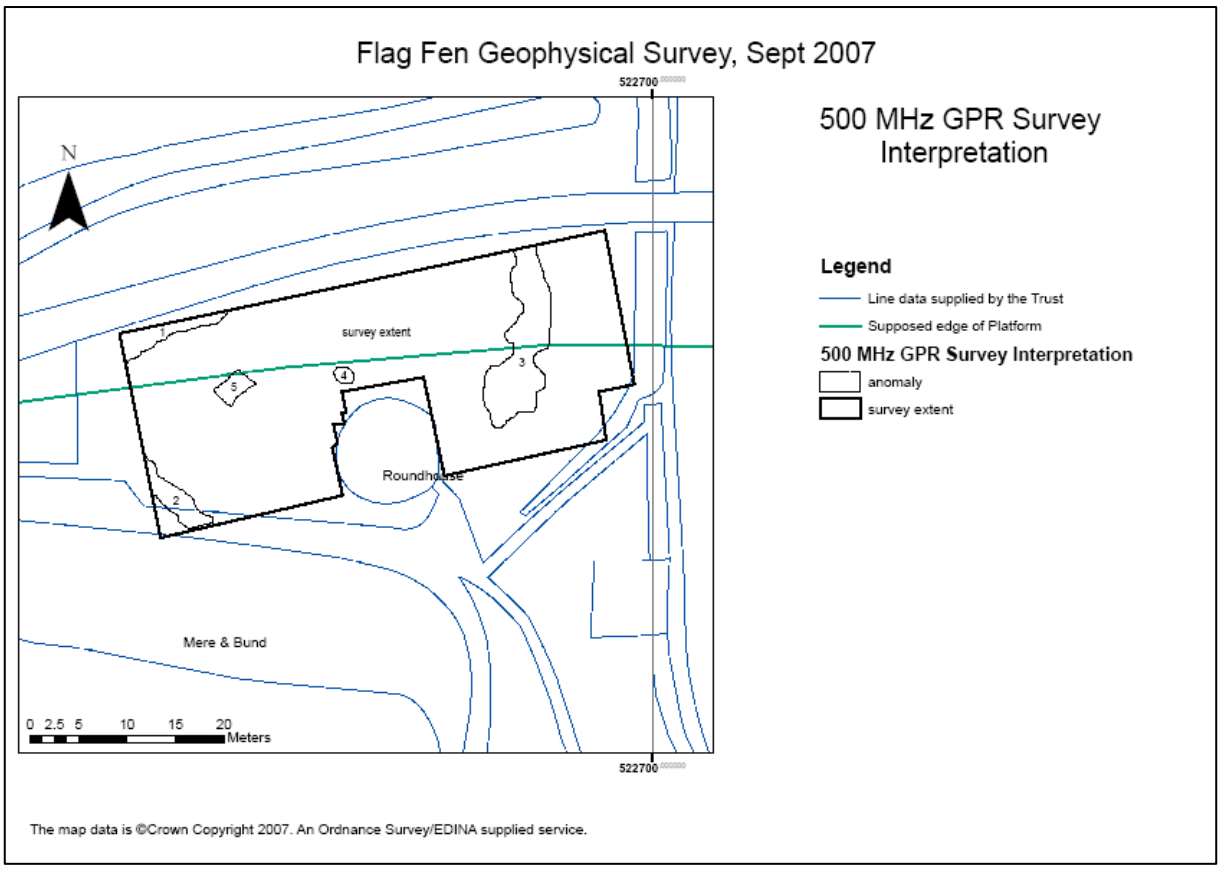


Figure 10.55: 500MHz radar survey interpretation, Flag Fen Area 1

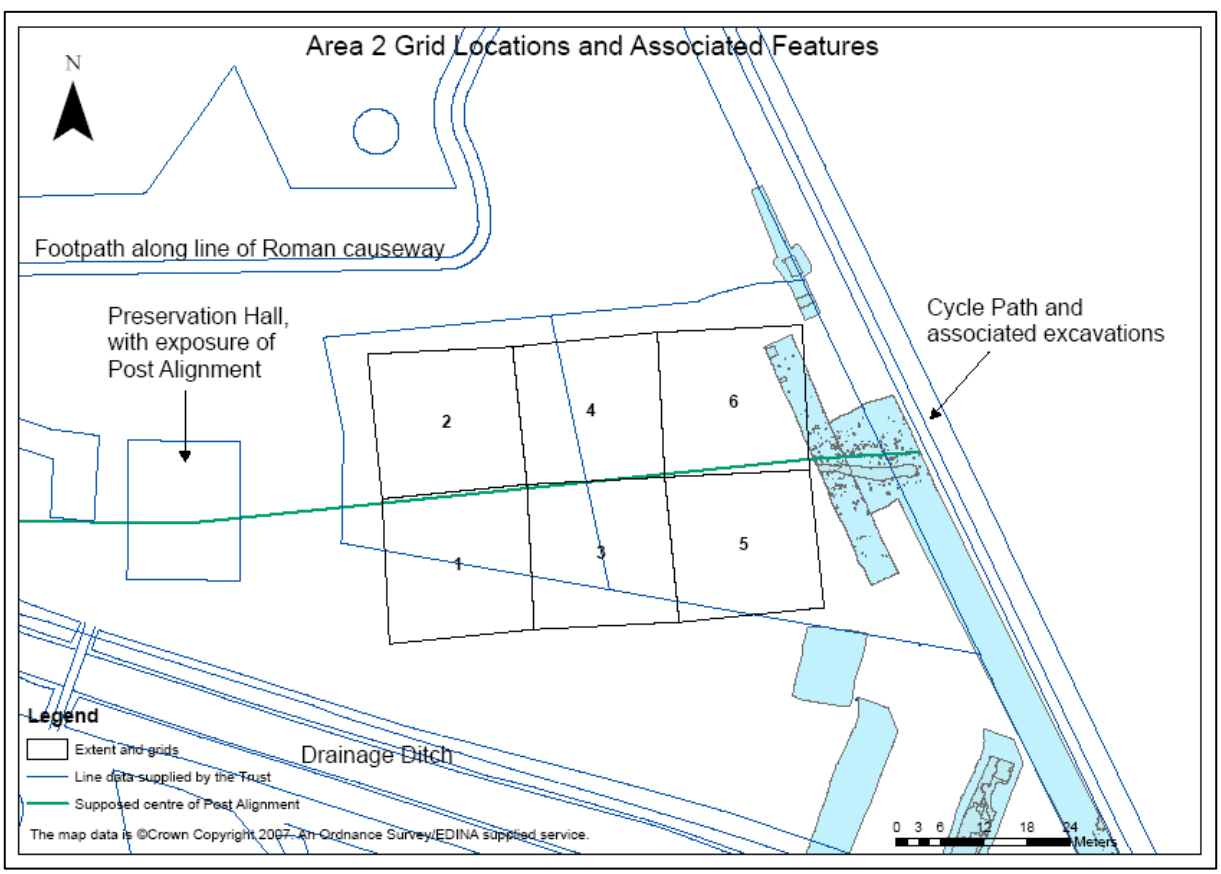


Figure 10.56 Grid details, Flag Fen Area 2

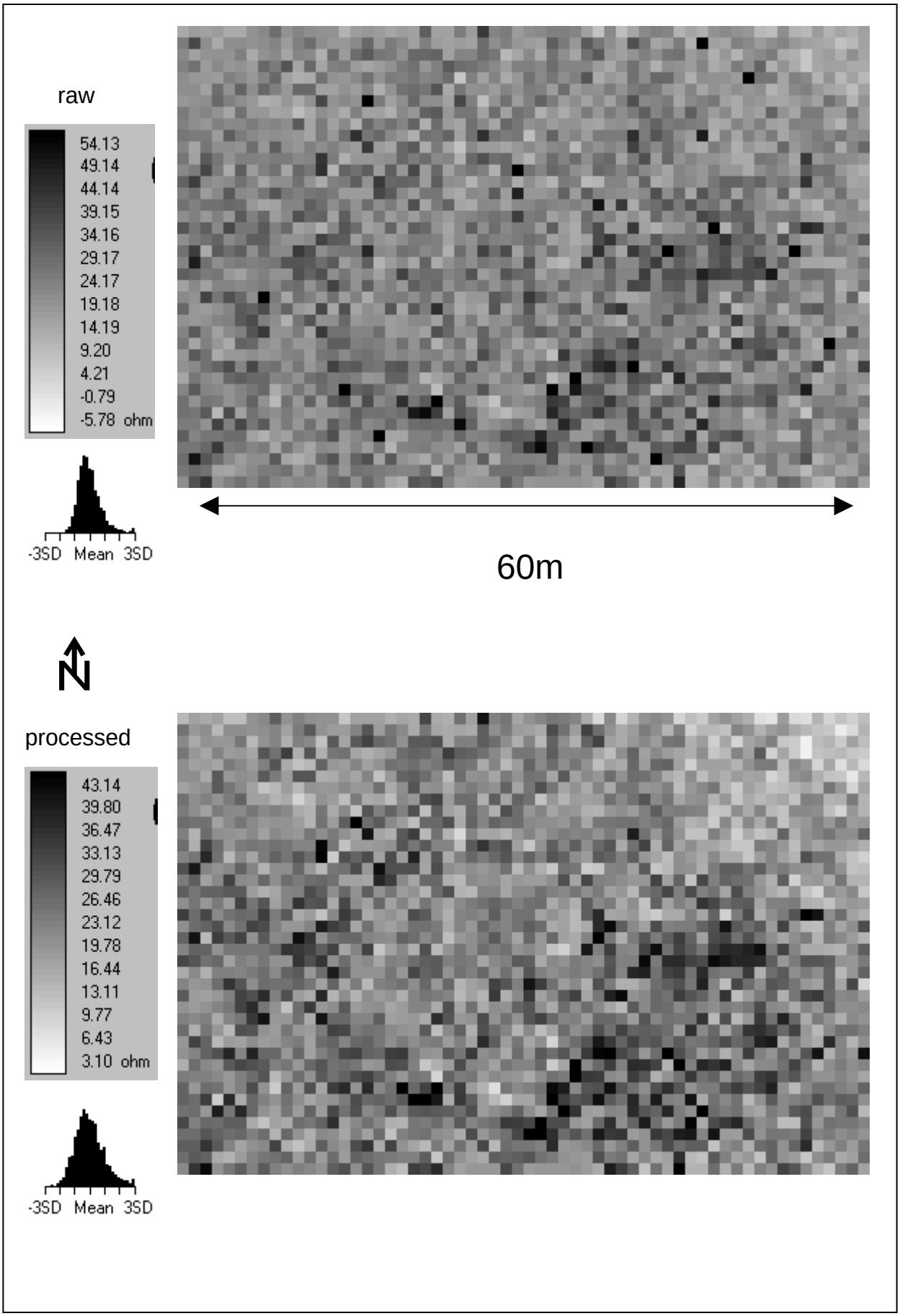


Figure 10.57: Multiplexed Resistivity Survey, probe separation A (0.25m), Flag Fen Area 2

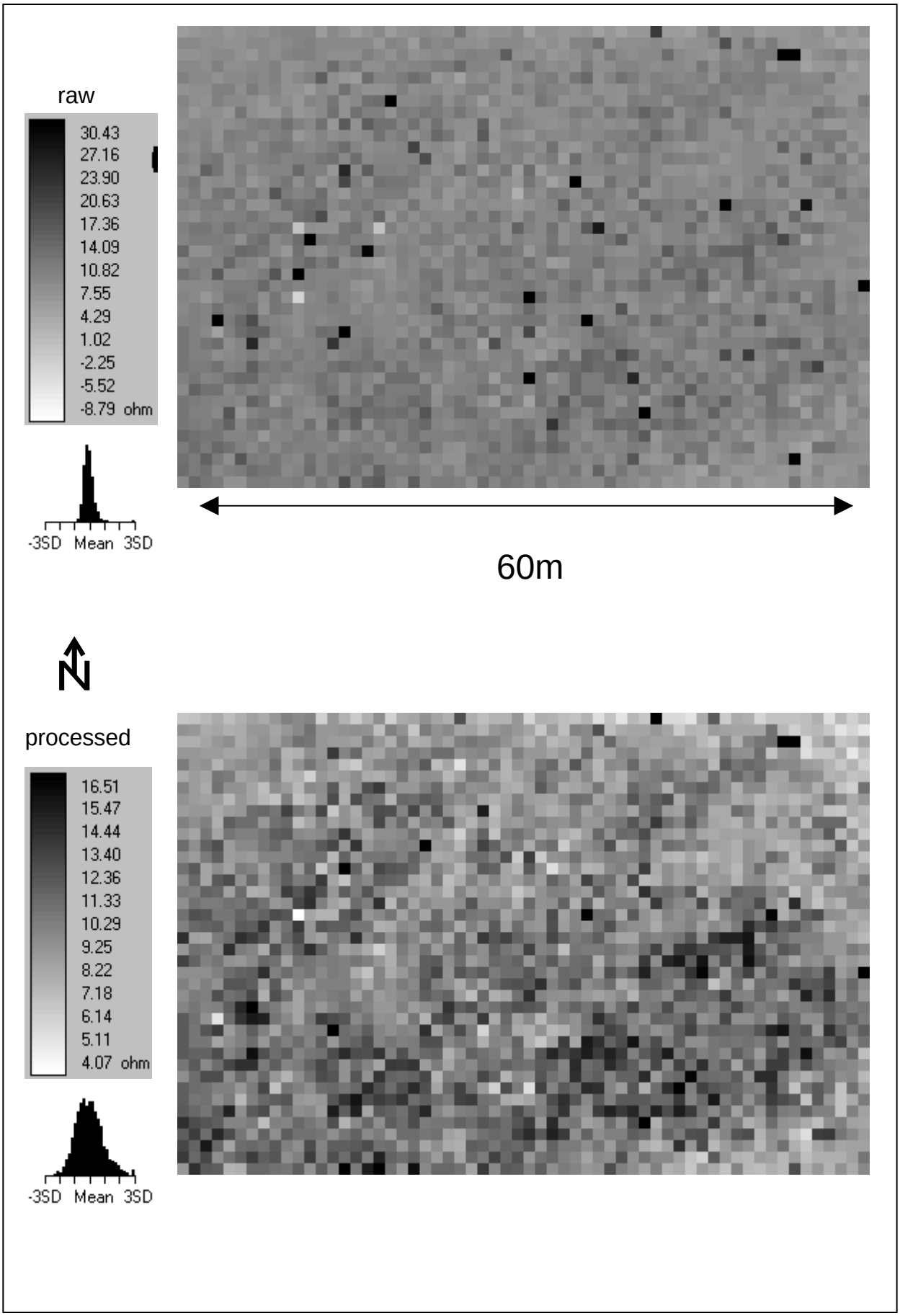


Figure 10.58: Multiplexed Resistivity Survey, probe separation B (0.5m), Flag Fen Area 2

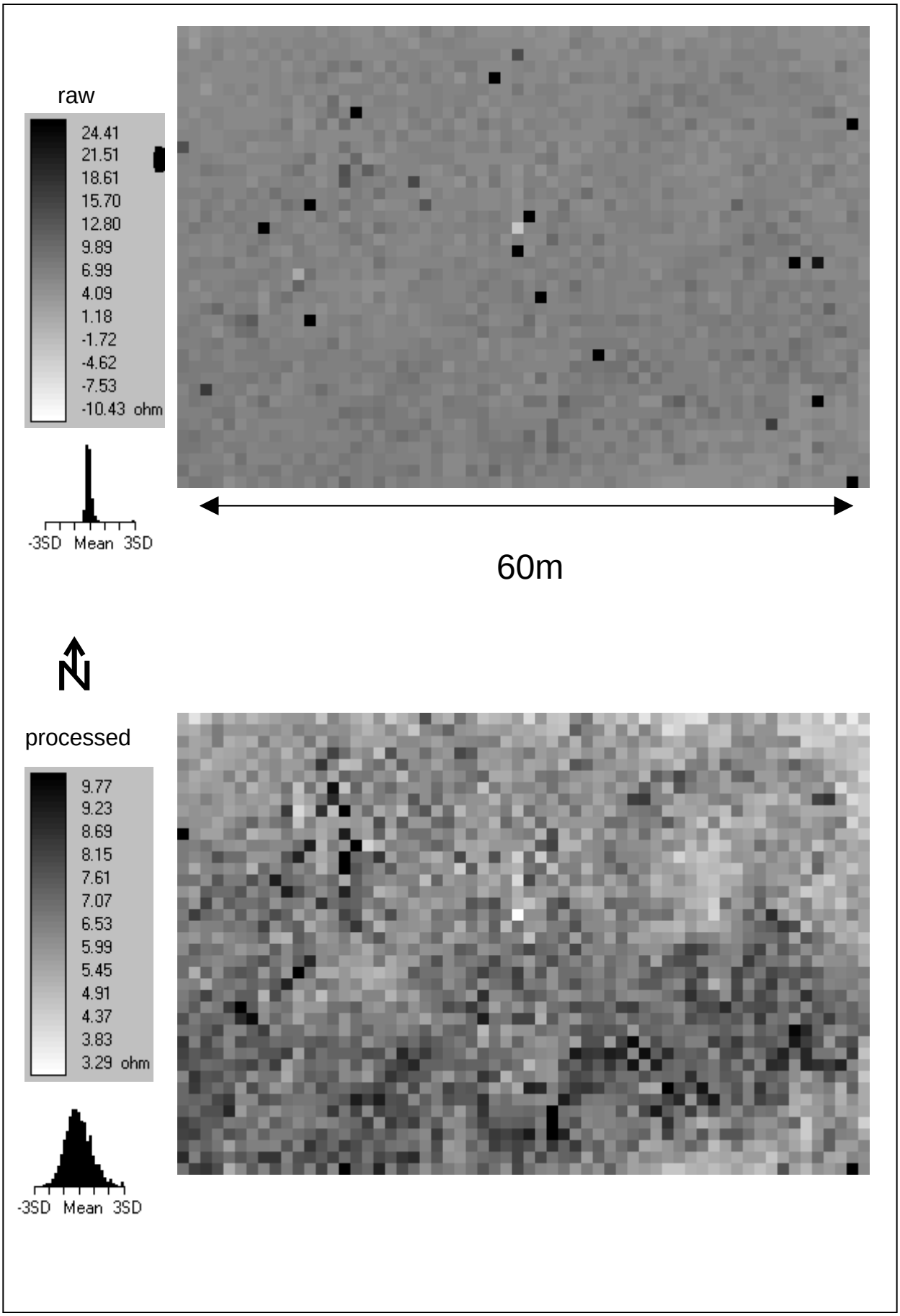


Figure 10.59: Multiplexed Resistivity Survey, probe separation C (0.75m), Flag Fen Area 2

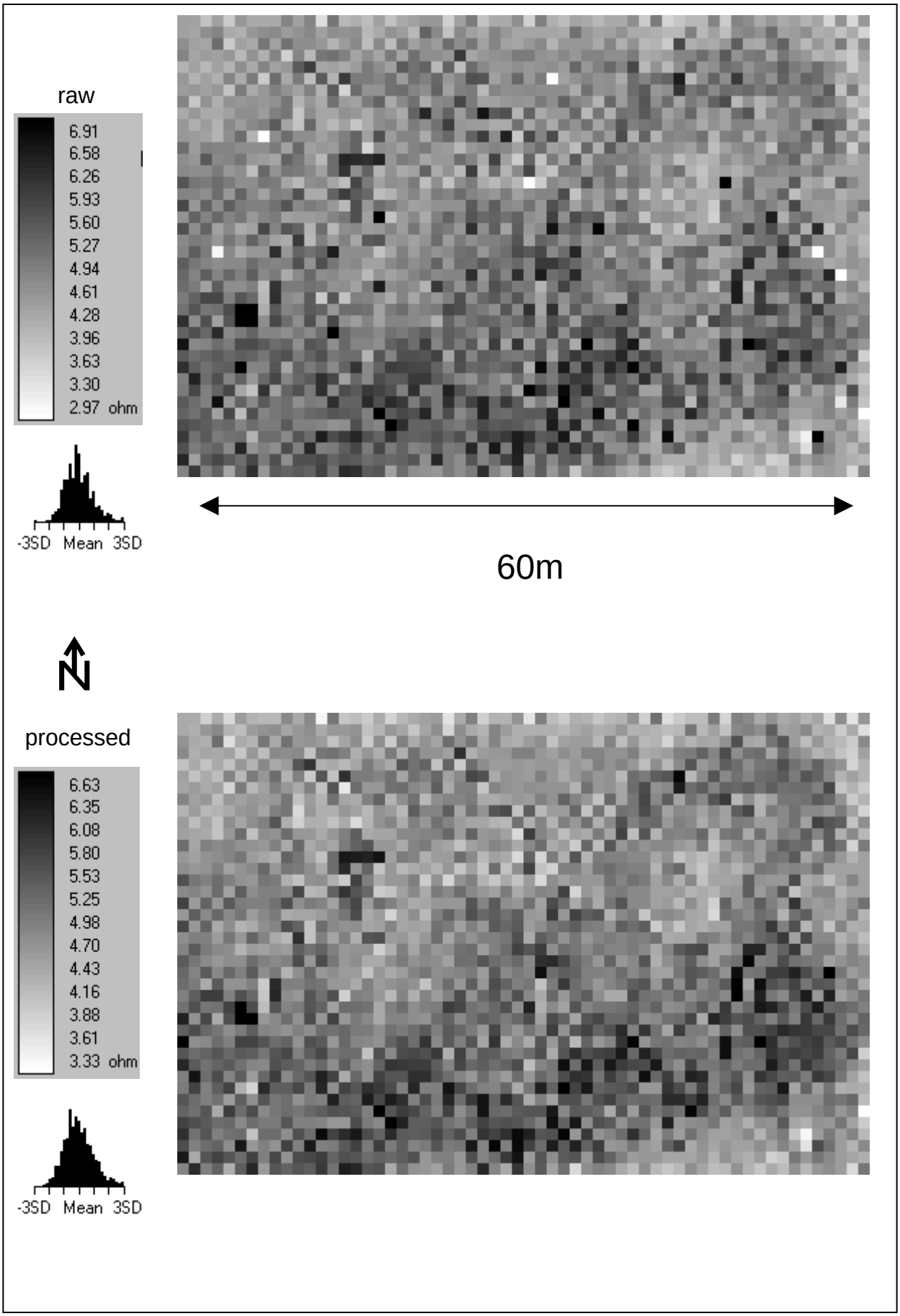


Figure 10.60: Multiplexed Resistivity Survey, probe separation D (1.0m), Flag Fen Area 2

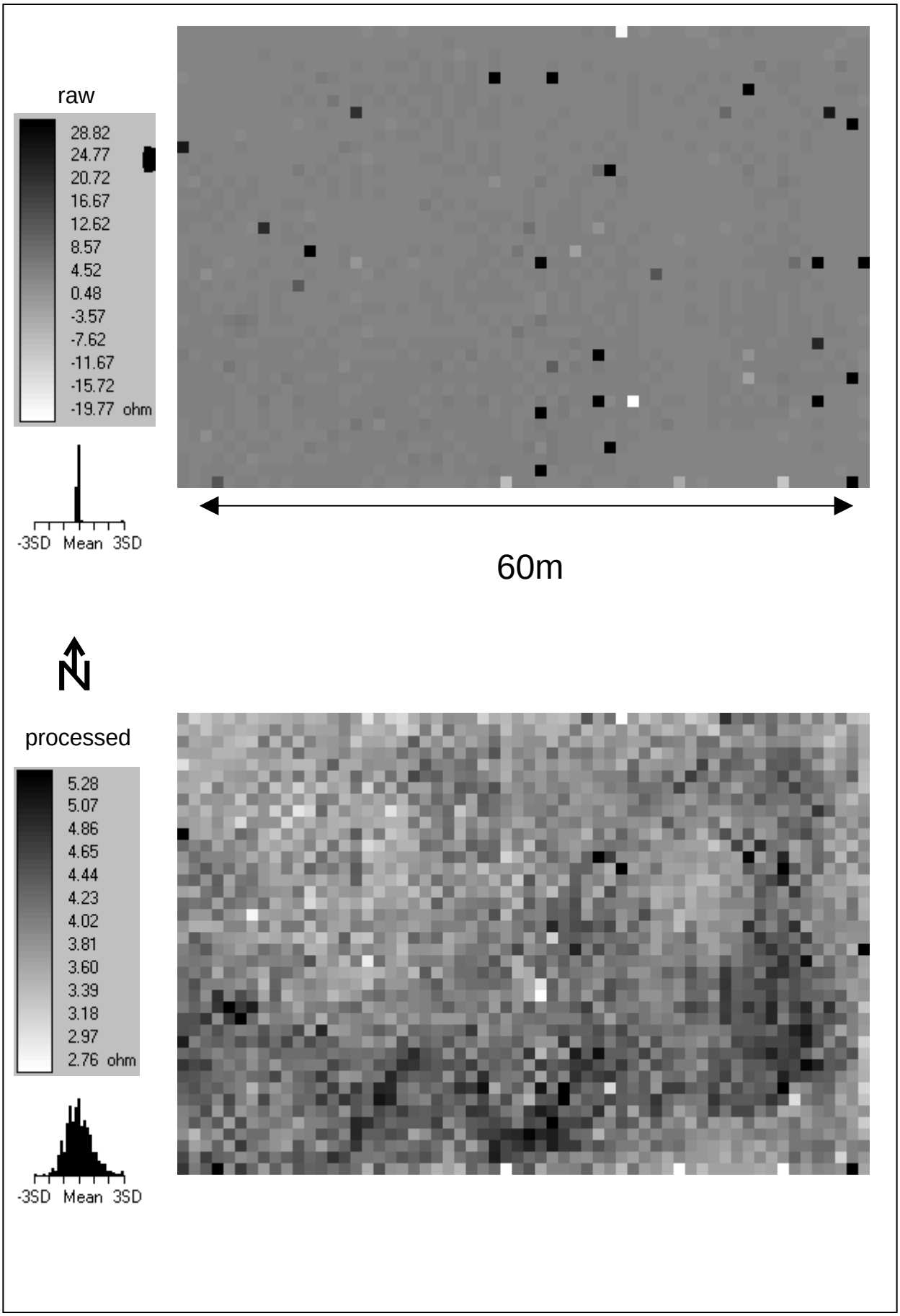


Figure 10.61: Multiplexed Resistivity Survey, probe separation E (1.25m), Flag Fen Area 2

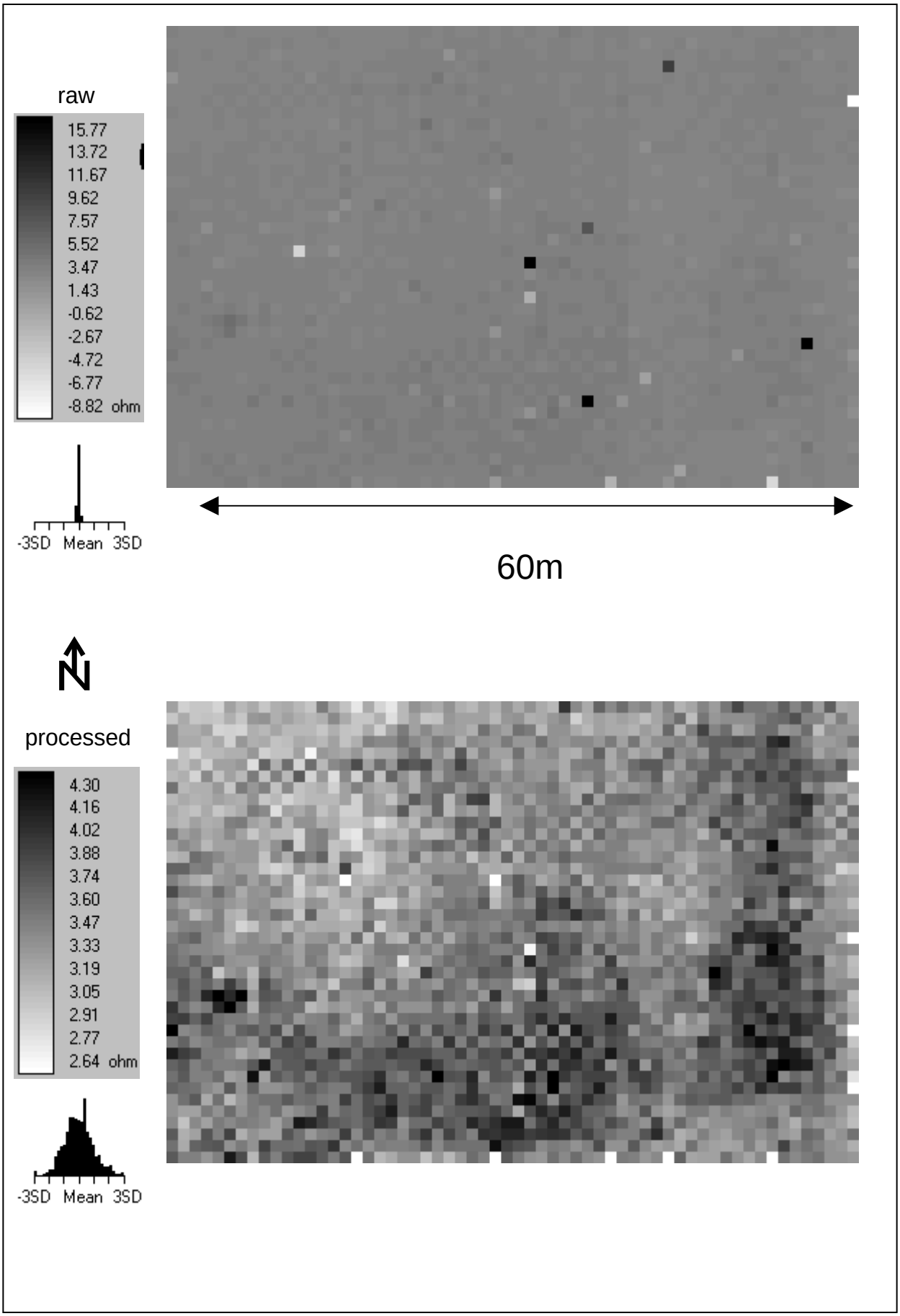


Figure 10.62: Multiplexed Resistivity Survey, probe separation F (1.5m), Flag Fen Area 2

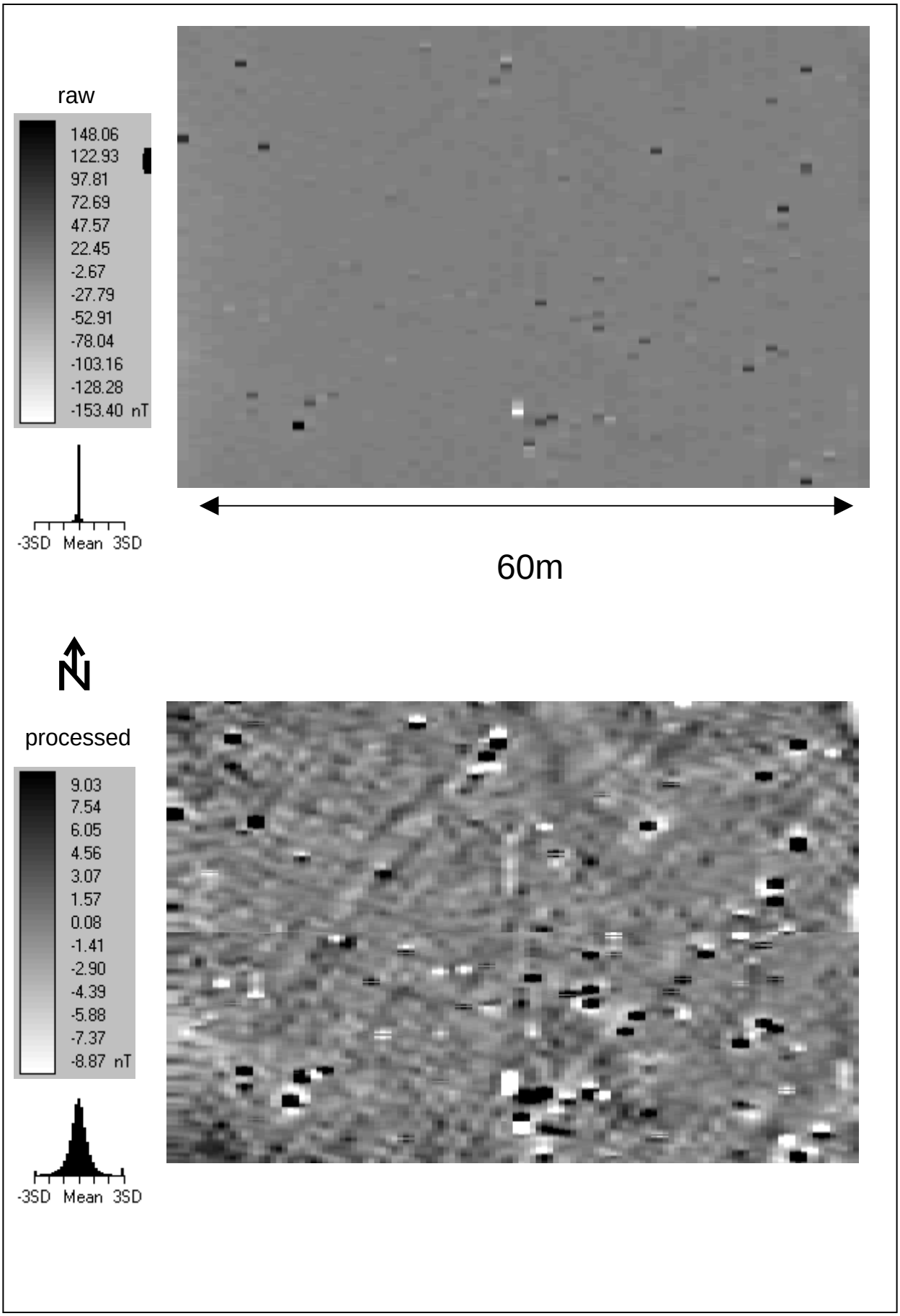


Figure 10.63: Bartington DualGrad survey, Flag Fen Area 2

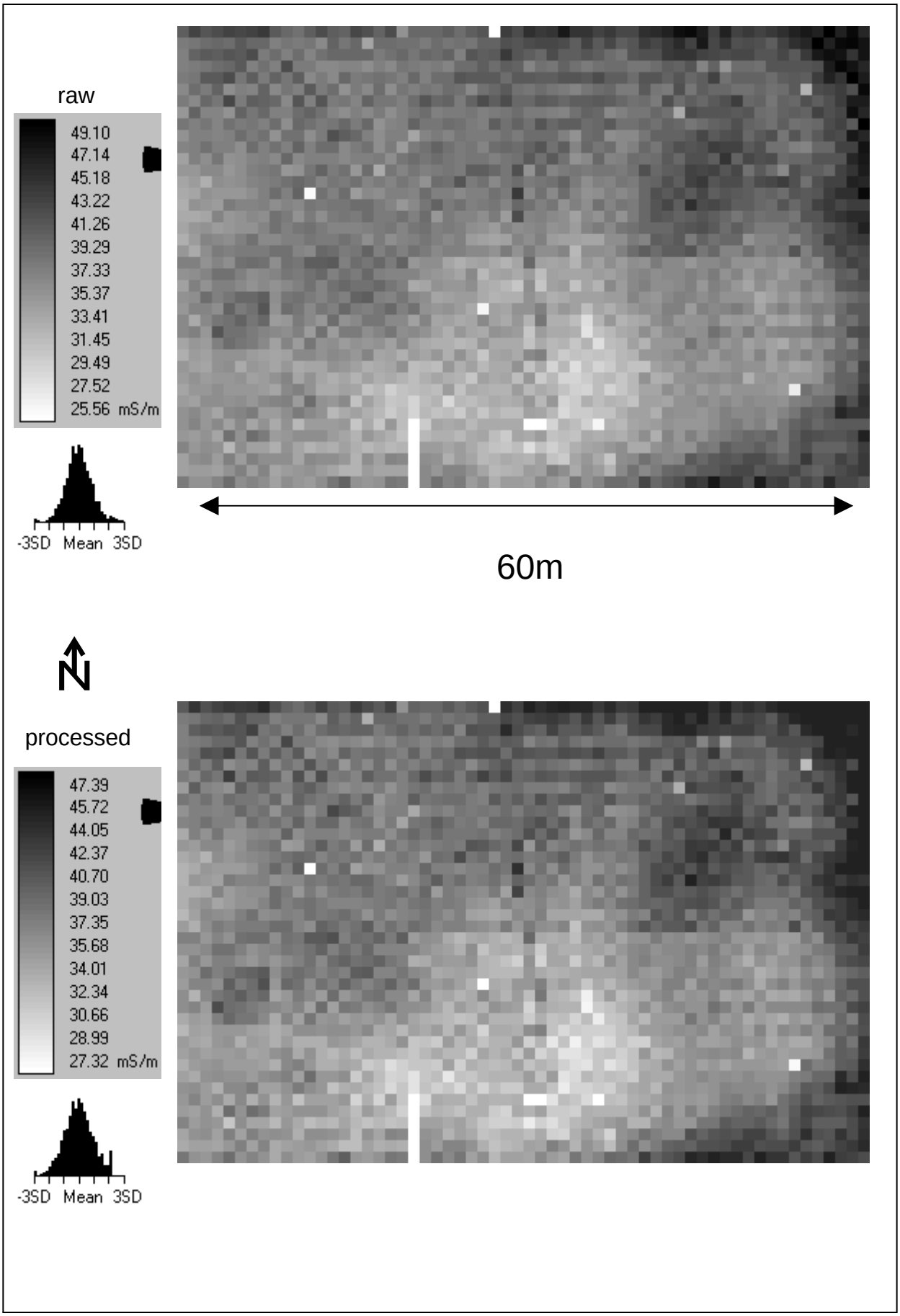


Figure 10.64: Vertical EM quadrature survey, Flag Fen Area 2

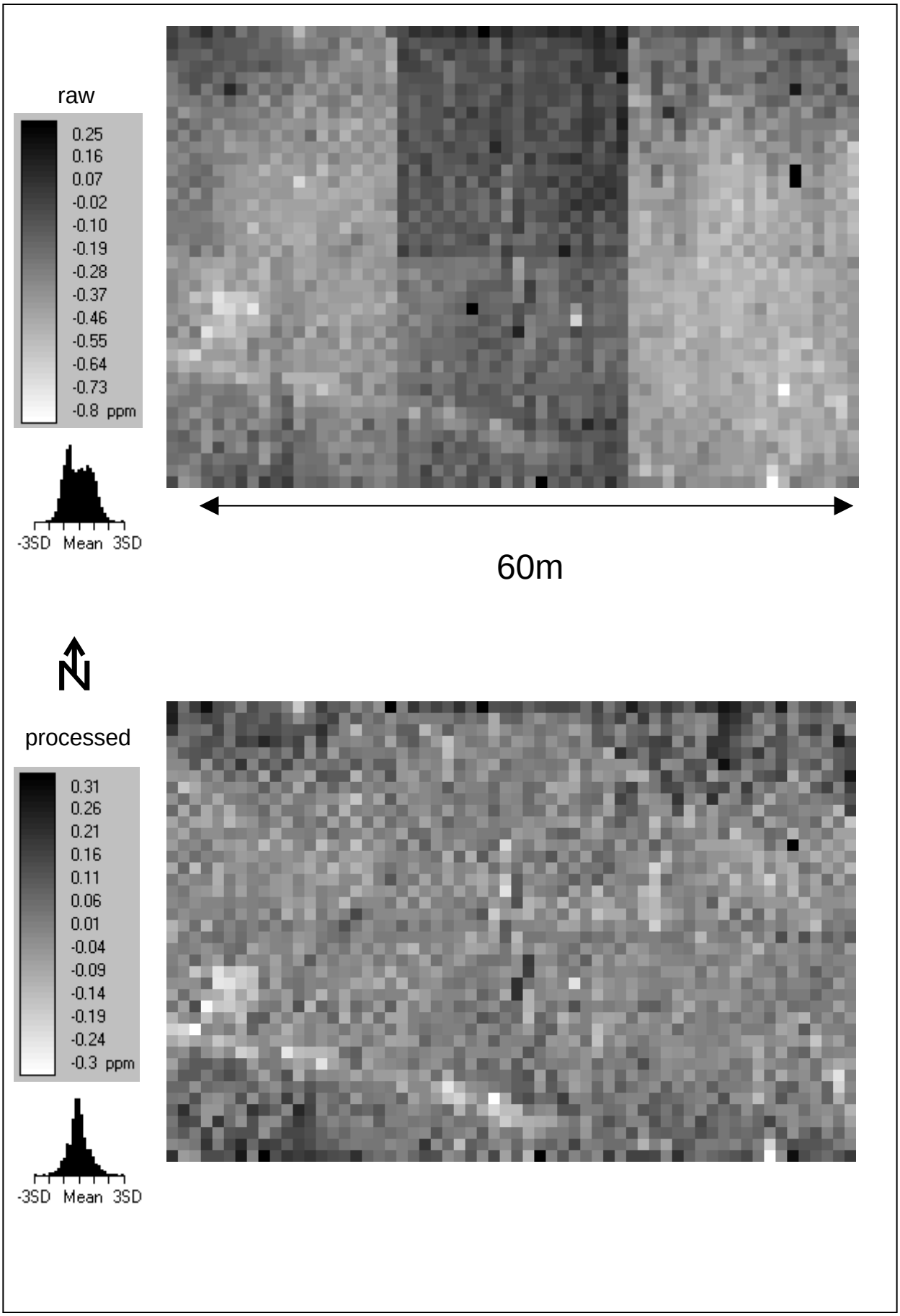
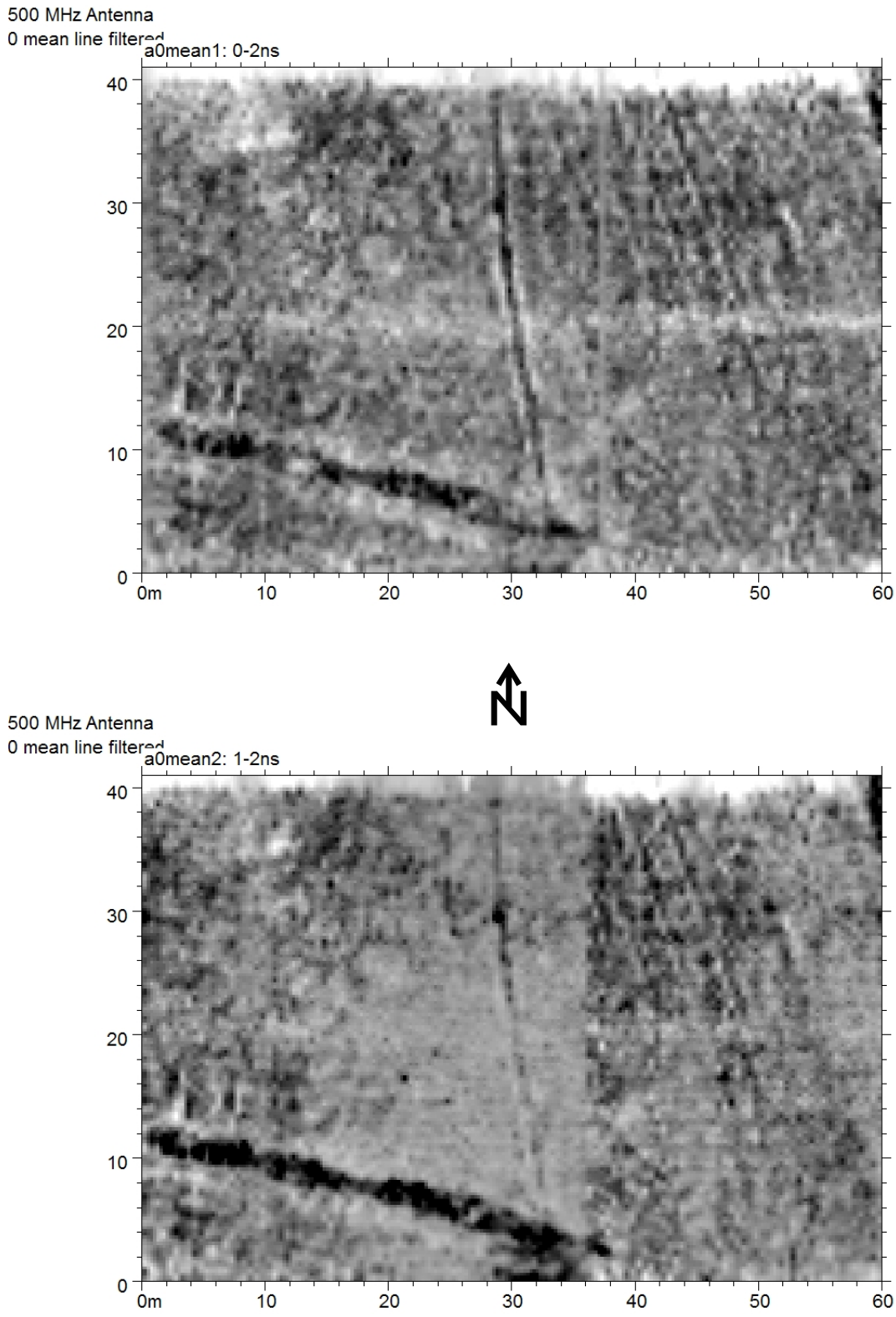


Figure 10.65: Vertical EM inphase survey, Flag Fen Area 2

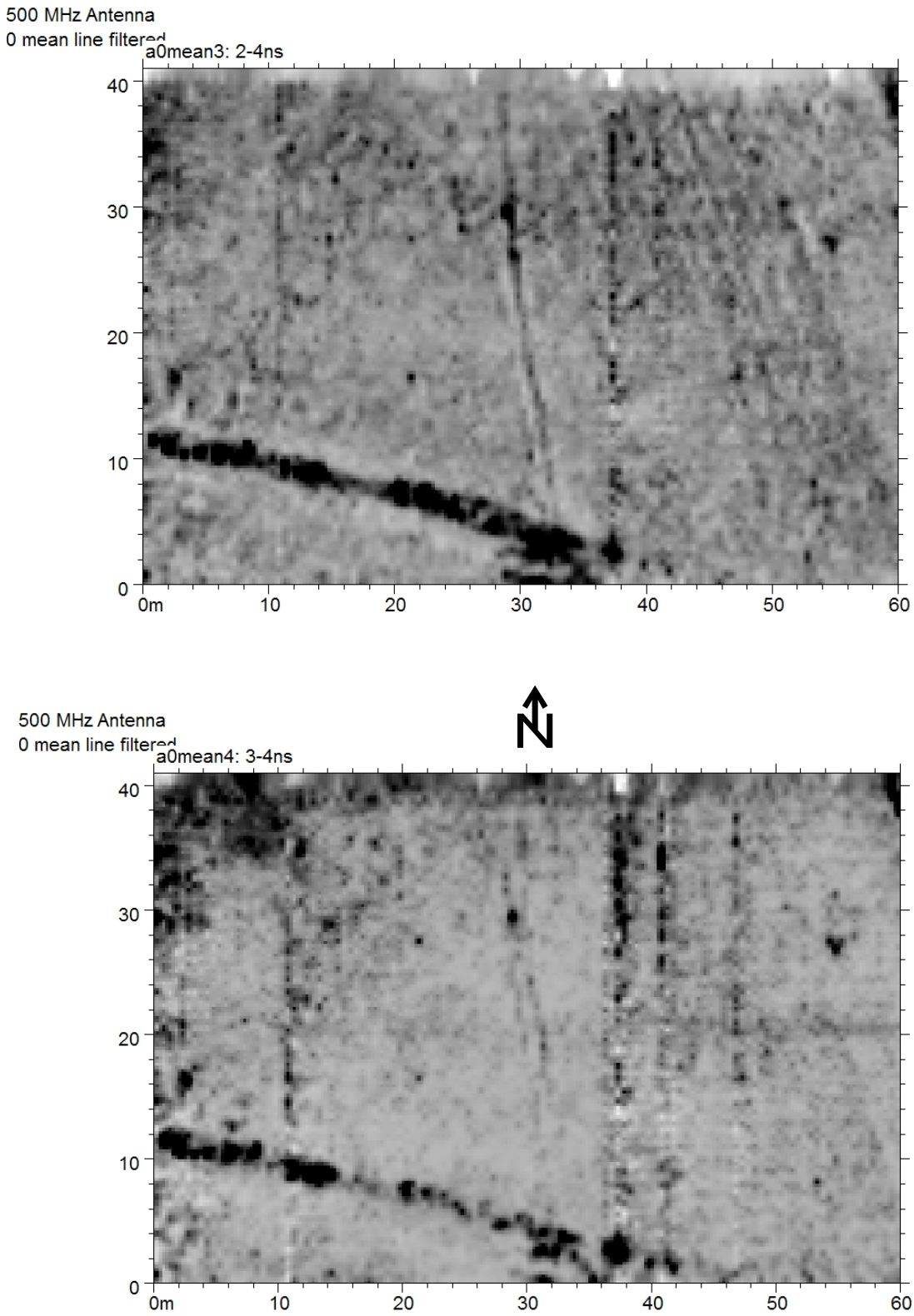
Slice	Time Window (ns)	Pseudo Depth (m)
1	0.-1.51	0.-0.05
2	0.99-2.5	0.03-0.09
3	1.98-3.5	0.07-0.12
4	2.97-4.49	0.1-0.16
5	3.96-5.48	0.14-0.19
6	4.95-6.47	0.17-0.23
7	5.95-7.46	0.21-0.26
8	6.94-8.45	0.24-0.3
9	7.93-9.44	0.28-0.33
10	8.92-10.43	0.31-0.37
11	9.91-11.42	0.35-0.4
12	10.9-12.41	0.38-0.43
13	11.89-13.41	0.42-0.47
14	12.88-14.4	0.45-0.5
15	13.87-15.39	0.49-0.54
16	14.86-16.38	0.52-0.57
17	15.86-17.37	0.55-0.61
18	16.85-18.36	0.59-0.64
19	17.84-19.35	0.62-0.68
20	18.83-20.34	0.66-0.71
21	19.82-21.33	0.69-0.75
22	20.81-22.32	0.73-0.78
23	21.8-23.31	0.76-0.82
24	22.79-24.31	0.8-0.85
25	23.78-25.3	0.83-0.89
26	24.77-26.29	0.87-0.92
27	25.76-27.28	0.9-0.95
28	26.76-28.27	0.94-0.99
29	27.75-29.26	0.97-1.02
30	28.74-29.73	1.01-1.04

Figure 10.66 500 MHz radar survey estimated depths, Flag Fen Area 2



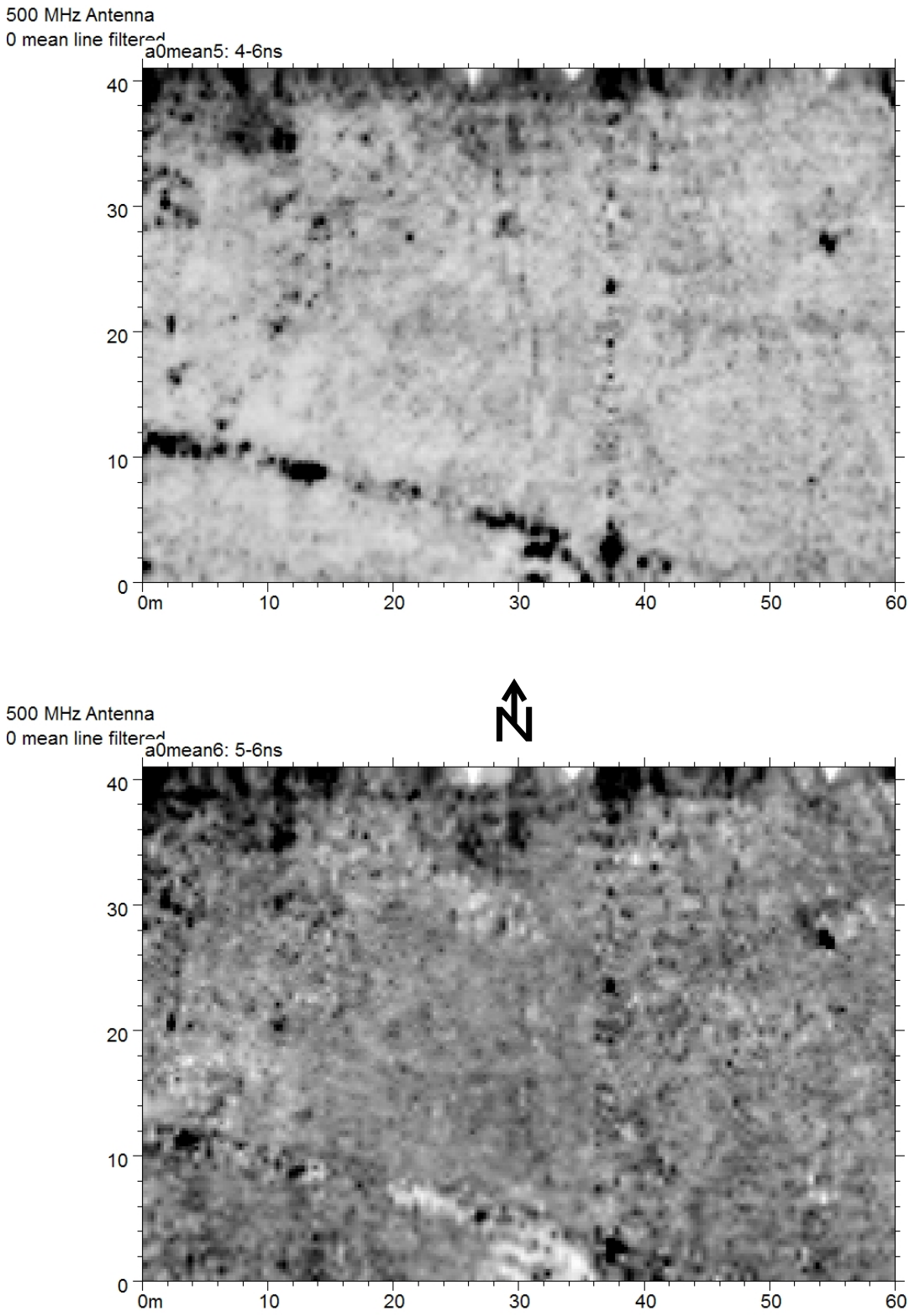
Scales in metres. Darker colour indicates higher amplitude response.

Figure 10.67 500MHz radar survey, timeslices 1 and 2, Flag Fen Area 2



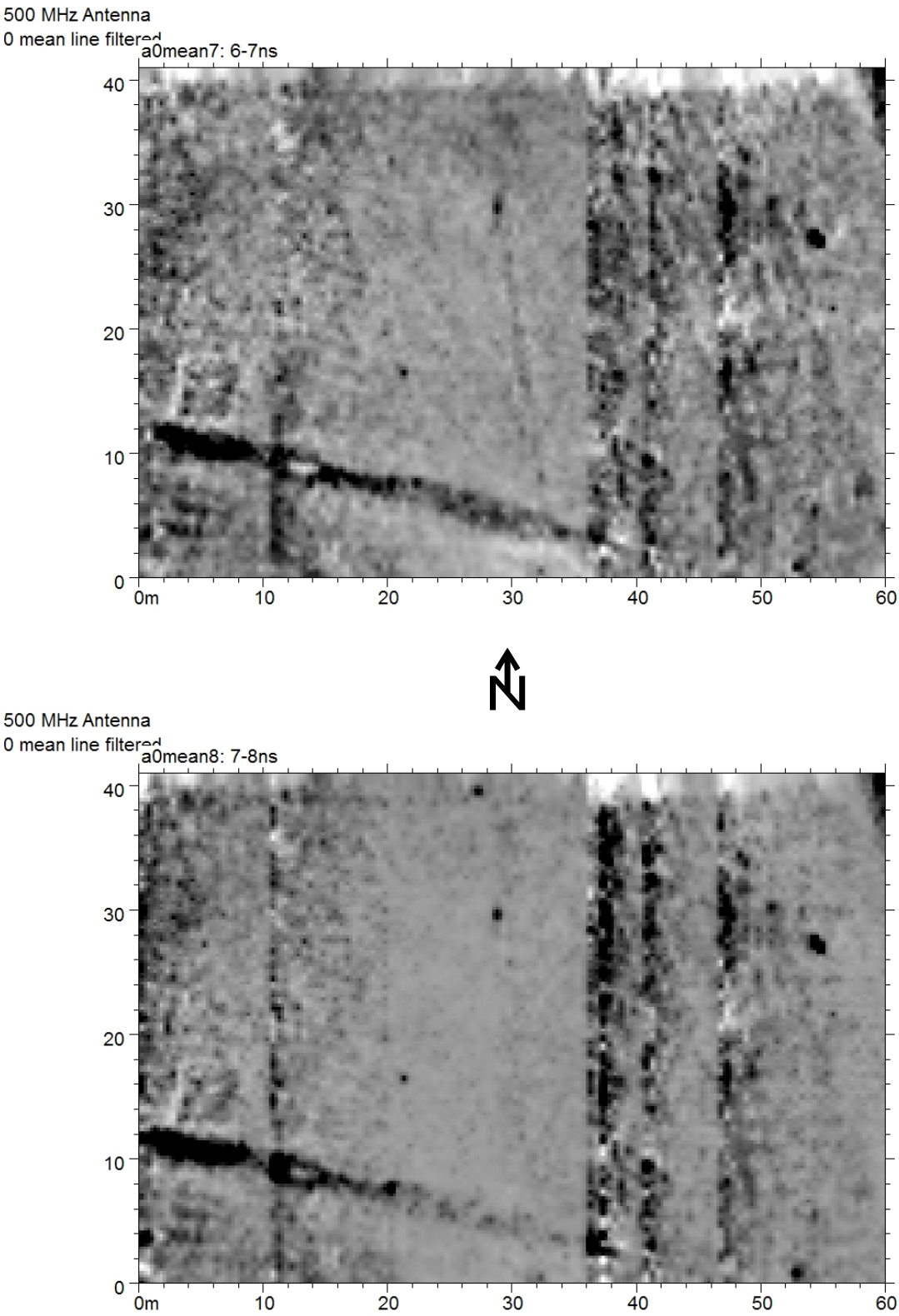
Scales in metres. Darker colour indicates higher amplitude response.

Figure 10.68 500MHz radar survey, timeslices 3 and 4, Flag Fen Area 2



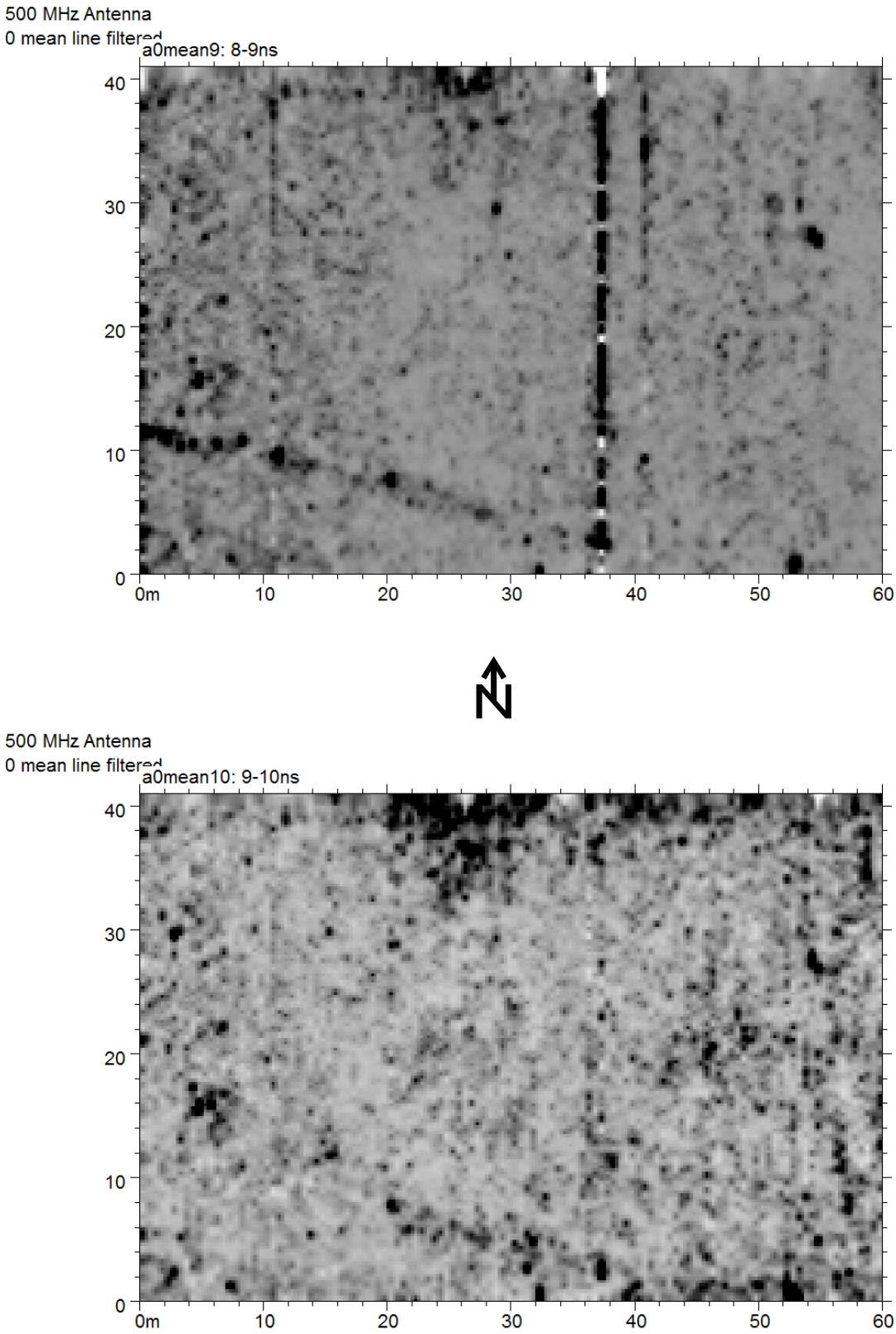
Scales in metres. Darker colour indicates higher amplitude response.

Figure 10.69 500MHz radar survey, timeslices 5 and 6, Flag Fen Area 2



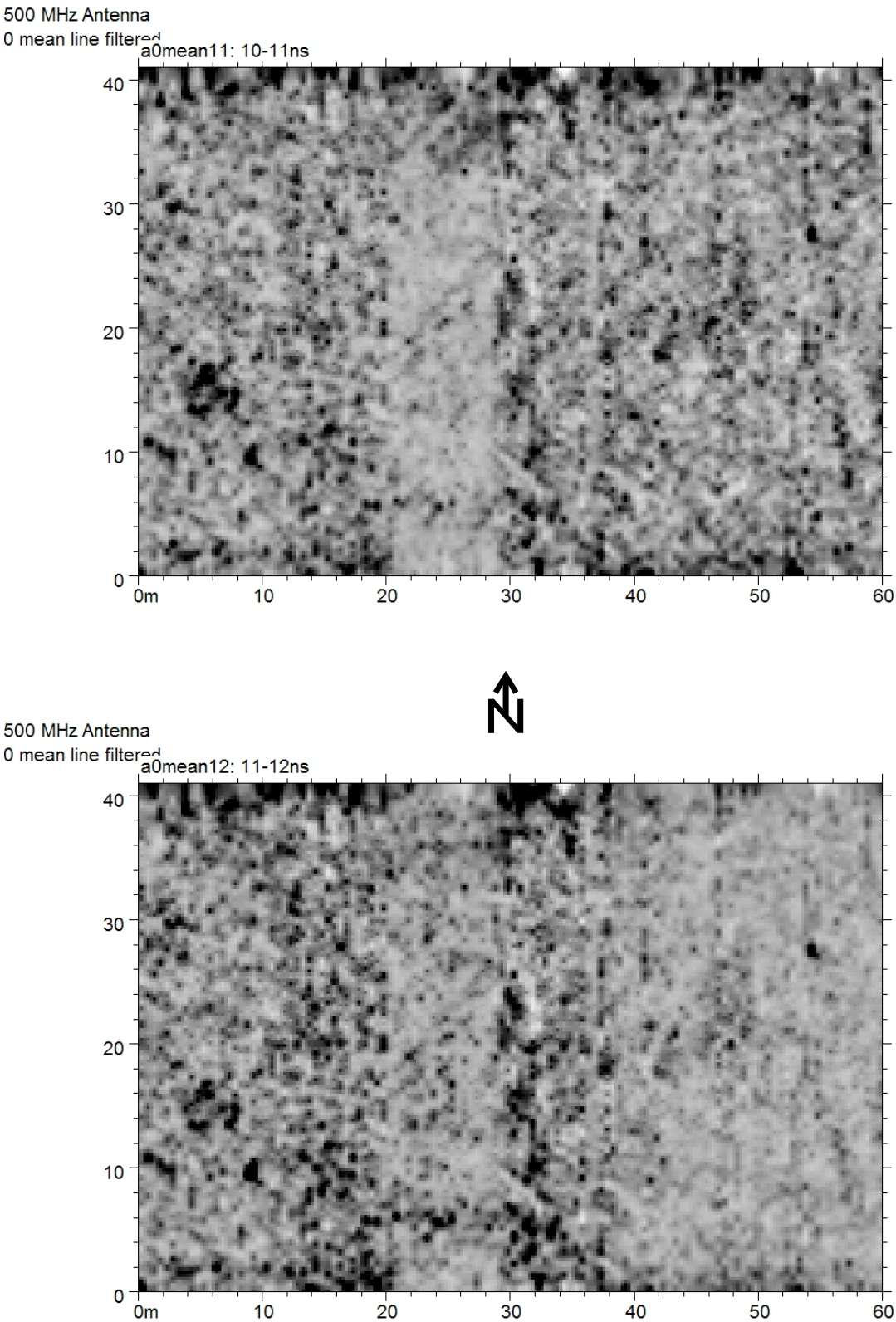
Scales in metres. Darker colour indicates higher amplitude response.

Figure 10.70 500MHz radar survey, timeslices 7 and 8, Flag Fen Area 2



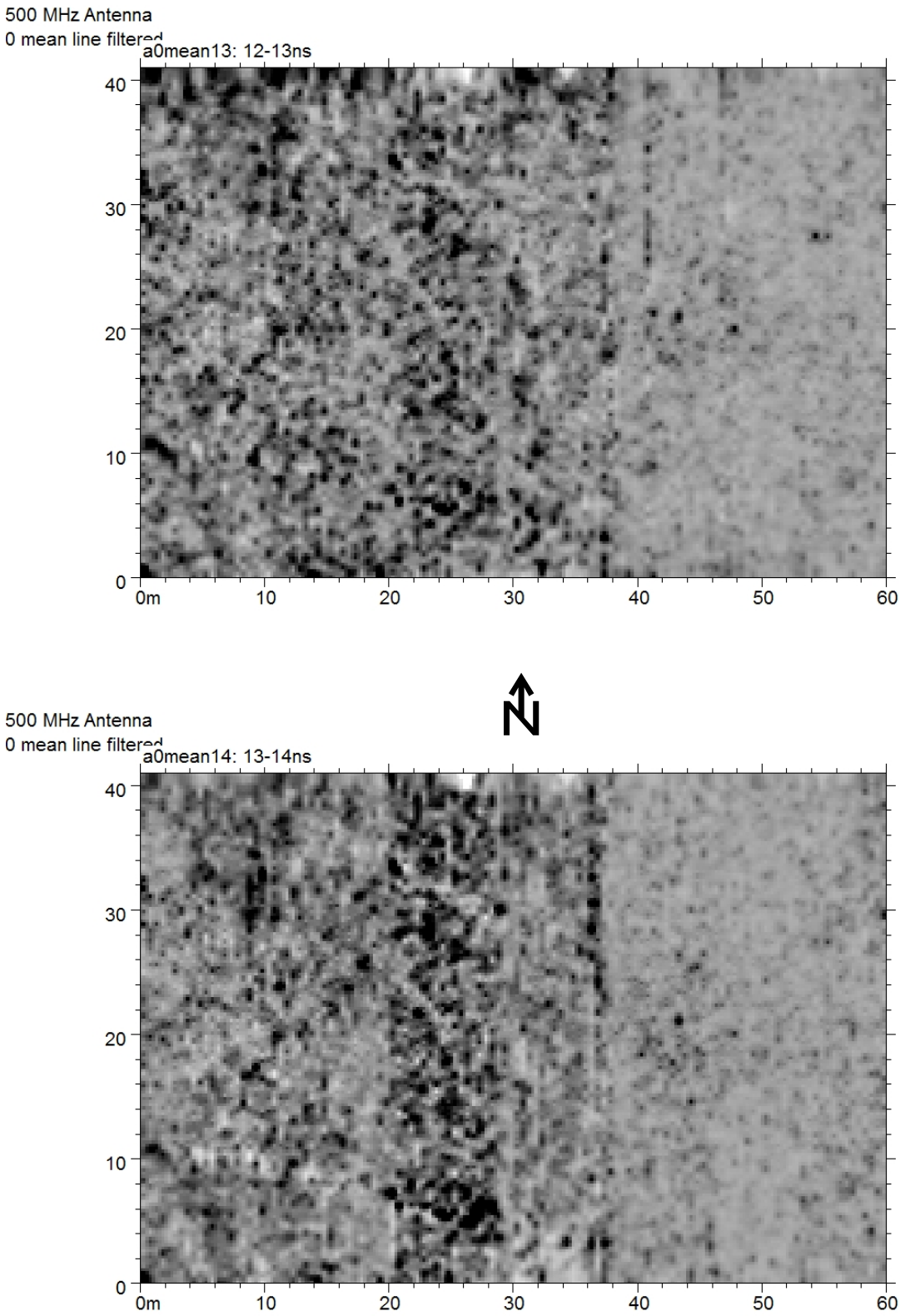
Scales in metres. Darker colour indicates higher amplitude response.

Figure 10.71 500MHz radar survey, timeslices 9 and 10, Flag Fen Area 2



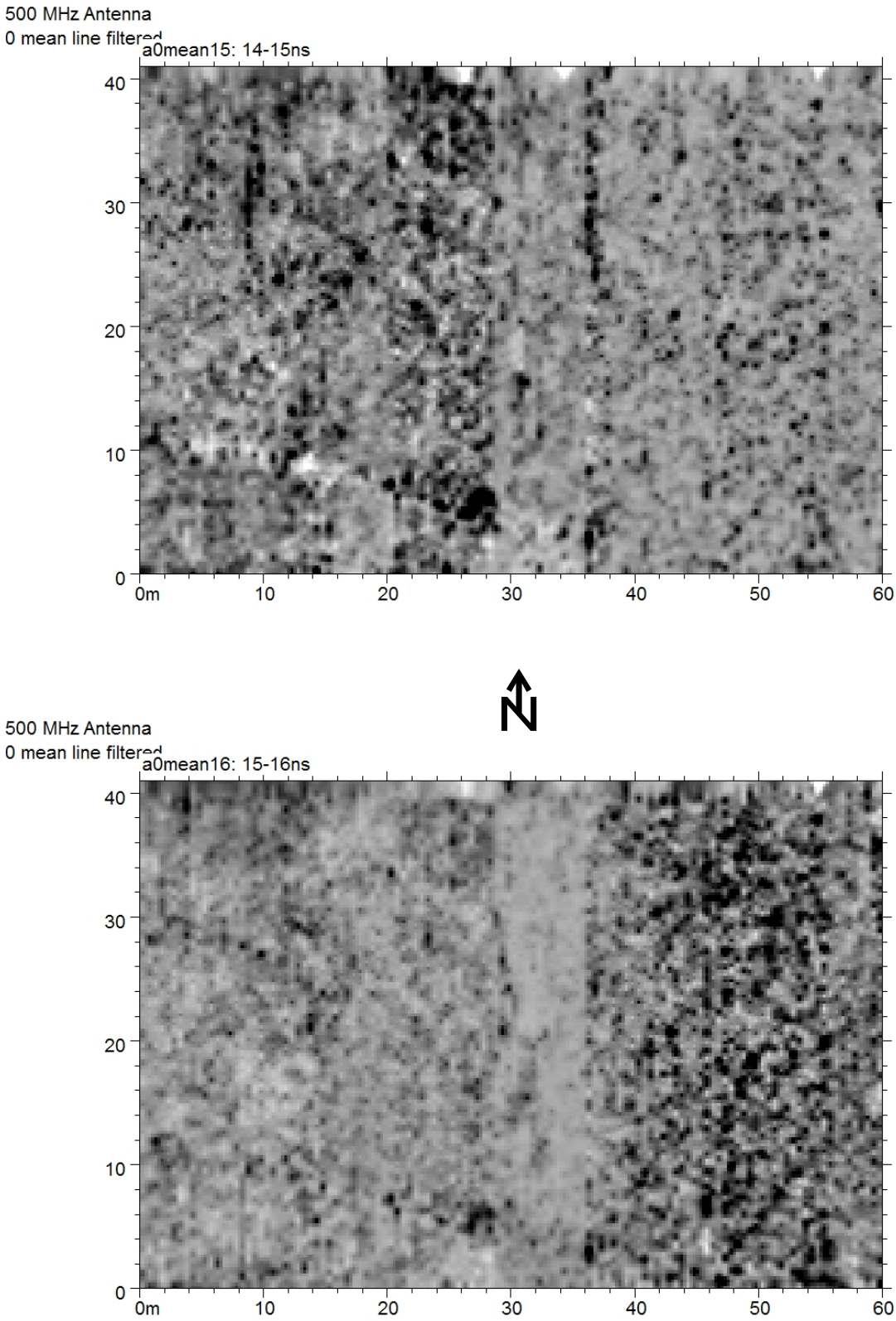
Scales in metres. Darker colour indicates higher amplitude response.

Figure 10.72 500MHz radar survey, timeslices 11 and 12, Flag Fen Area 2



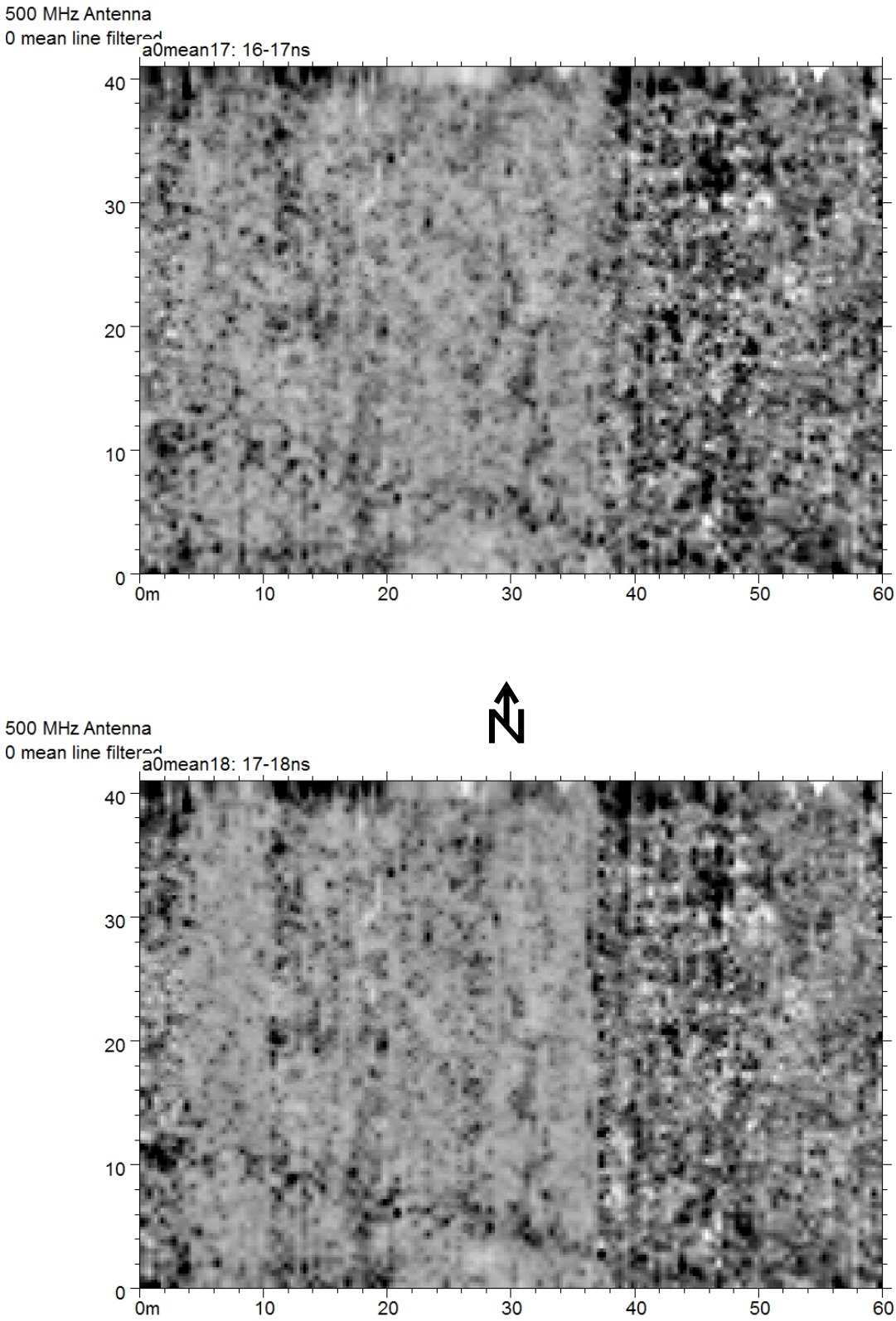
Scales in metres. Darker colour indicates higher amplitude response.

Figure 10.73 500MHz radar survey, timeslices 13 and 14, Flag Fen Area 2



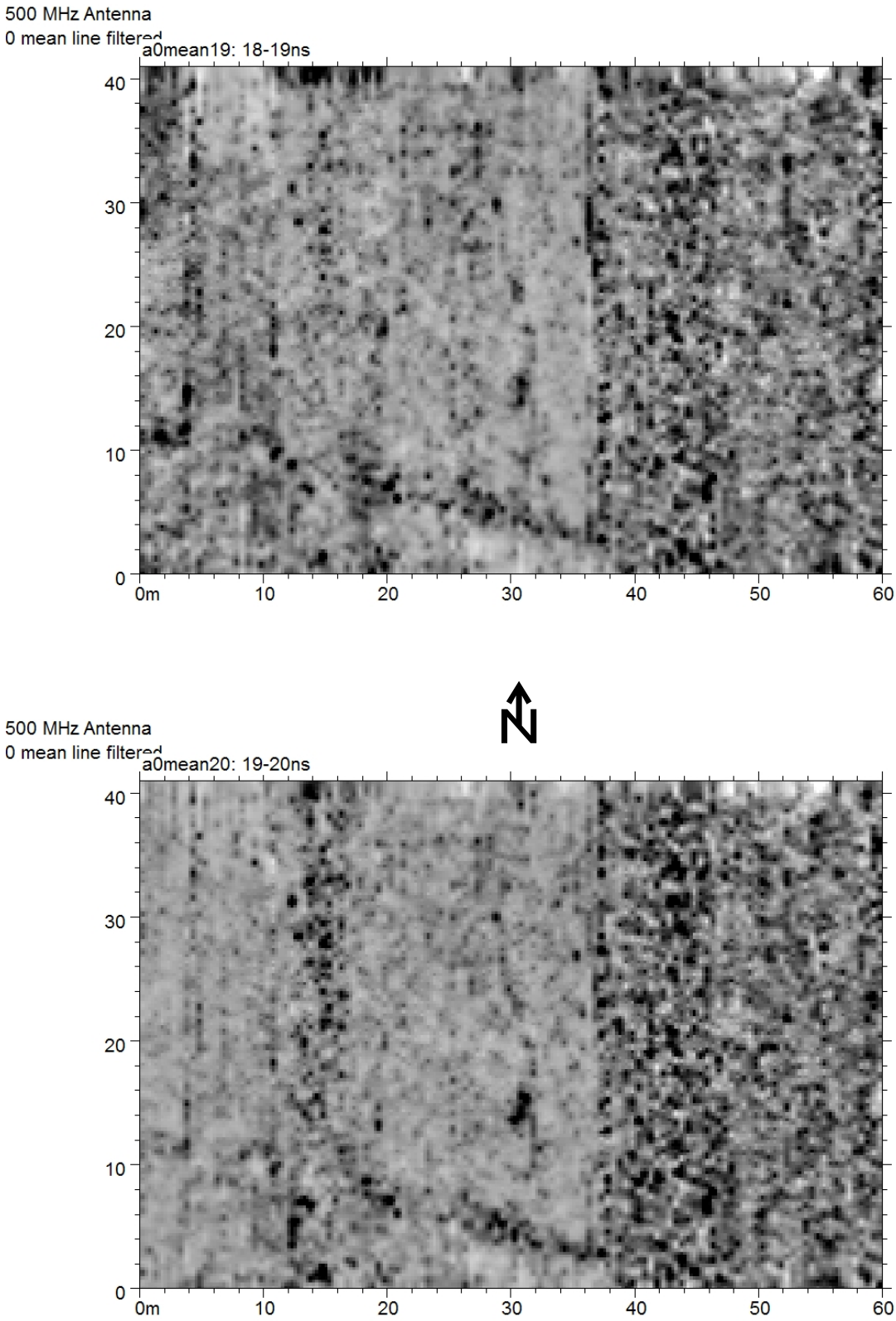
Scales in metres. Darker colour indicates higher amplitude response.

Figure 10.74 500MHz radar survey, timeslices 15 and 16, Flag Fen Area 2



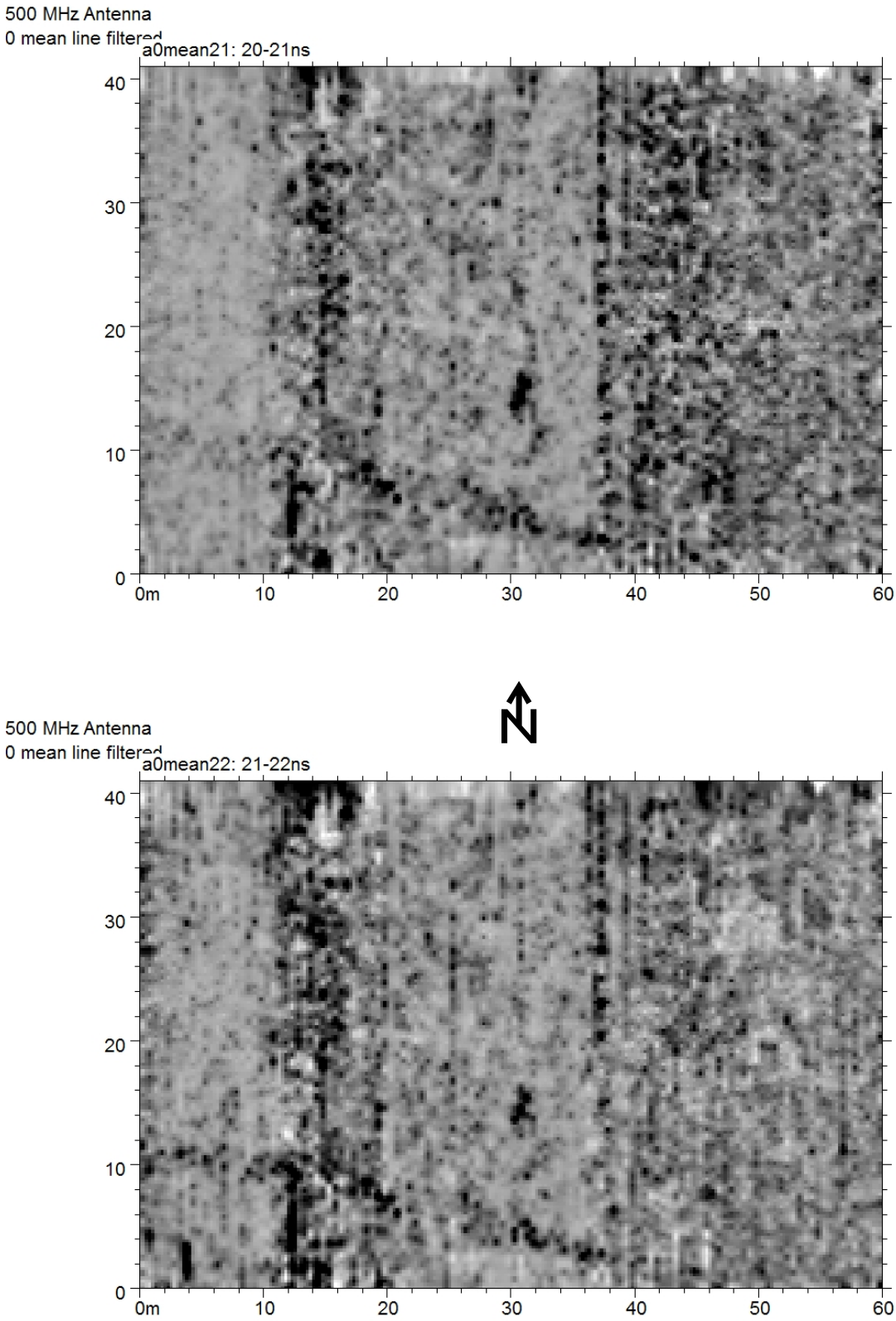
Scales in metres. Darker colour indicates higher amplitude response.

Figure 10.75 500MHz radar survey, timeslices 17 and 18, Flag Fen Area 2



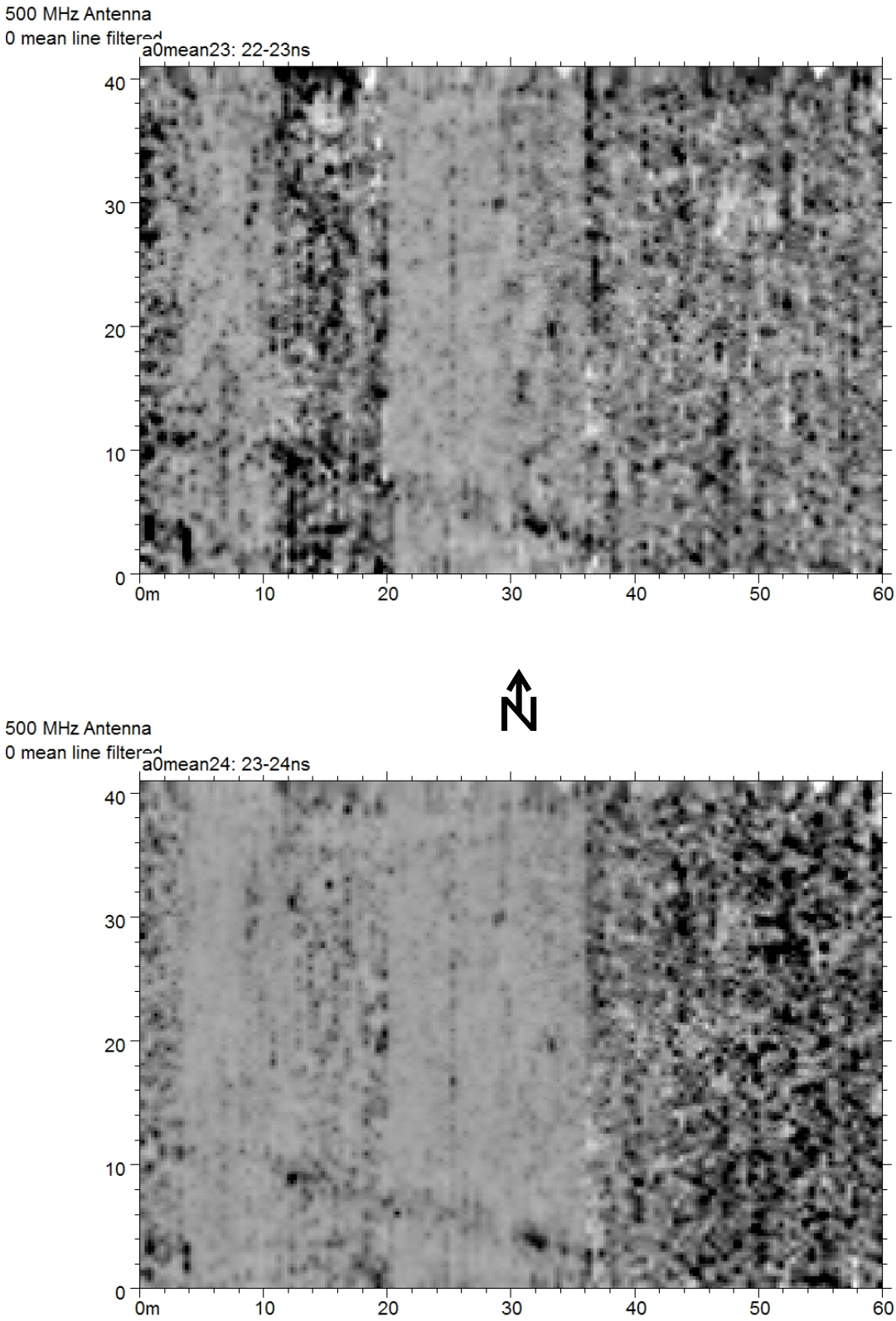
Scales in metres. Darker colour indicates higher amplitude response.

Figure 10.76 500MHz radar survey, timeslices 19 and 20, Flag Fen Area 2



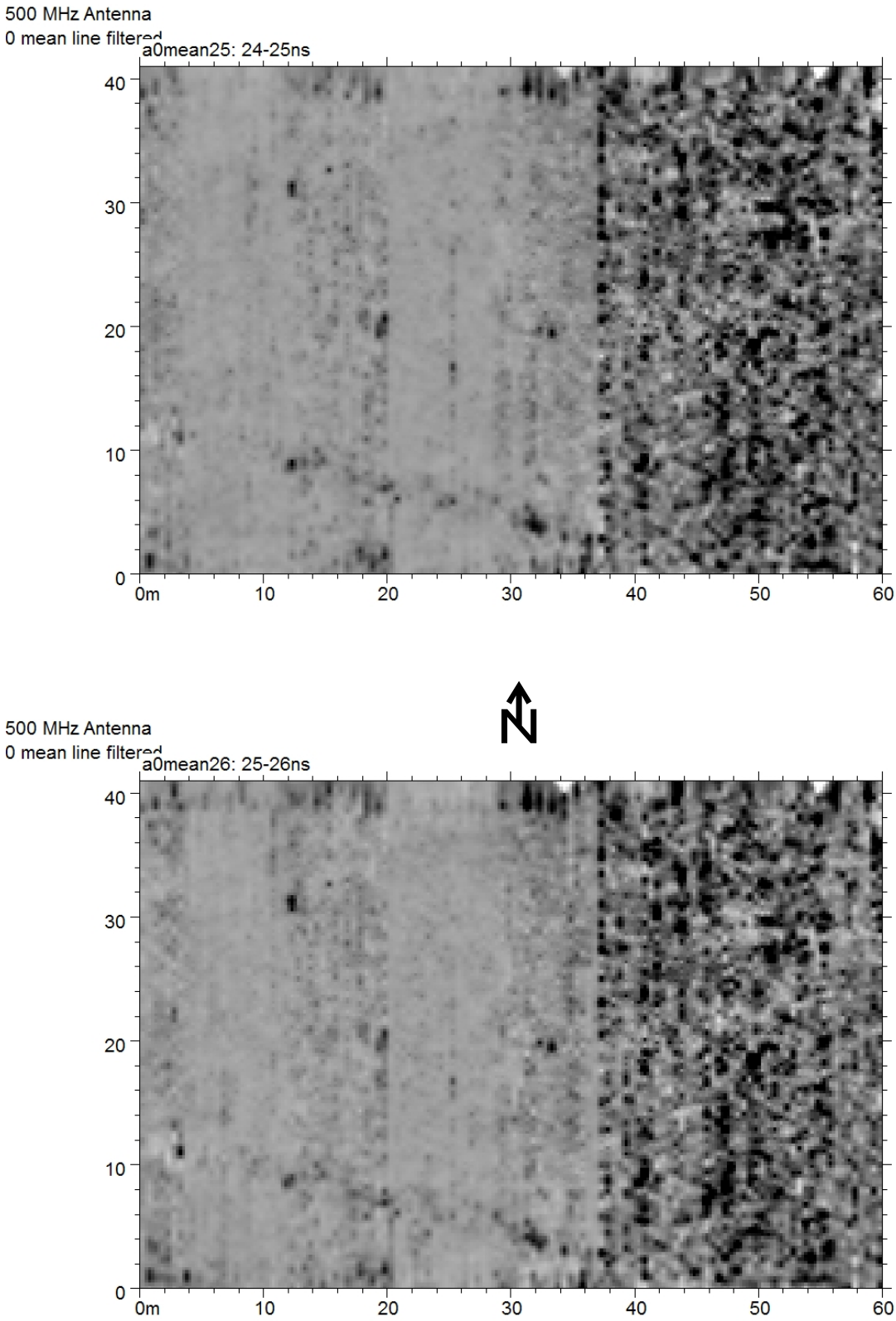
Scales in metres. Darker colour indicates higher amplitude response.

Figure 10.77 500MHz radar survey, timeslices 21 and 22, Flag Fen Area 2



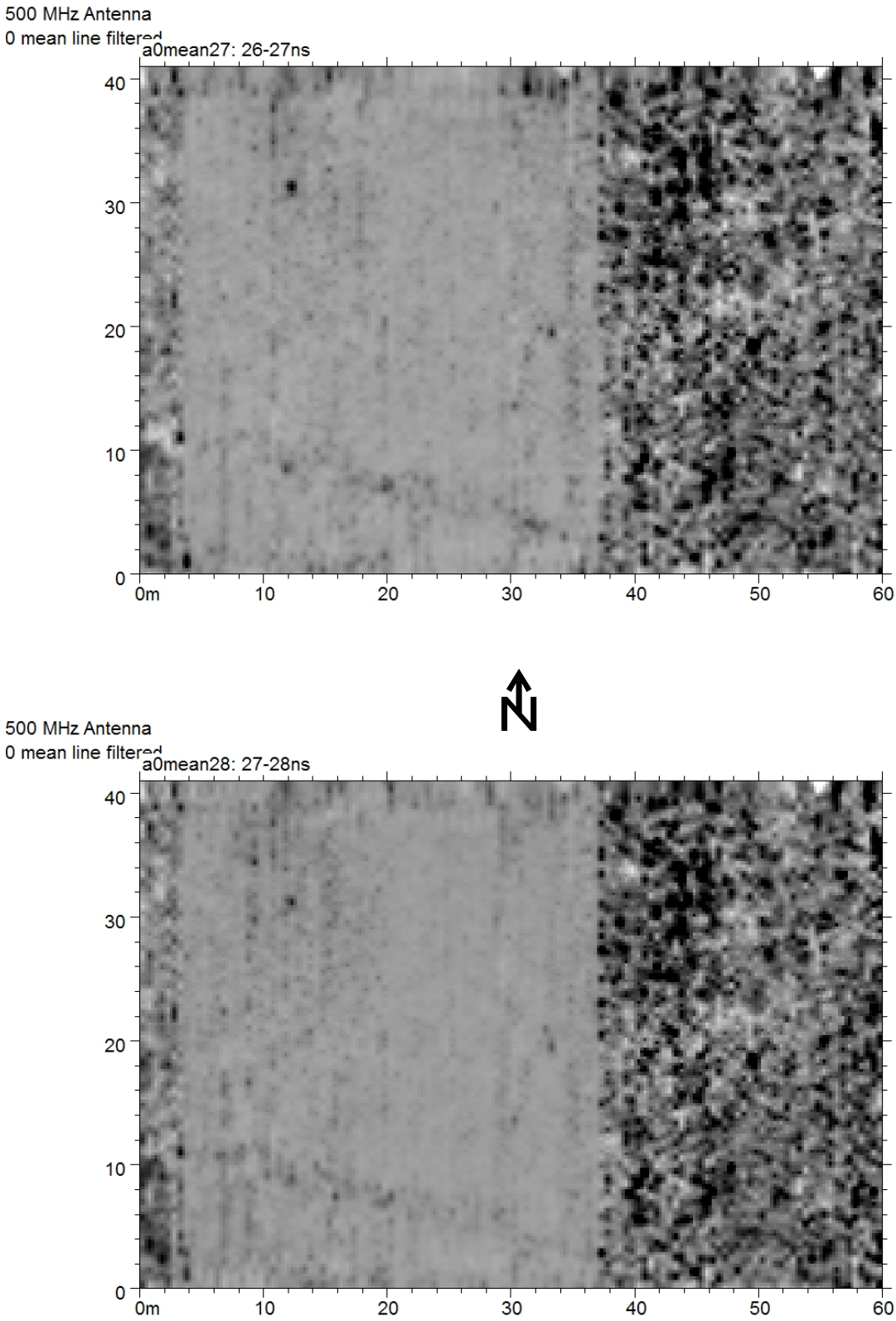
Scales in metres. Darker colour indicates higher amplitude response.

Figure 10.78 500MHz radar survey, timeslices 23 and 24, Flag Fen Area 2



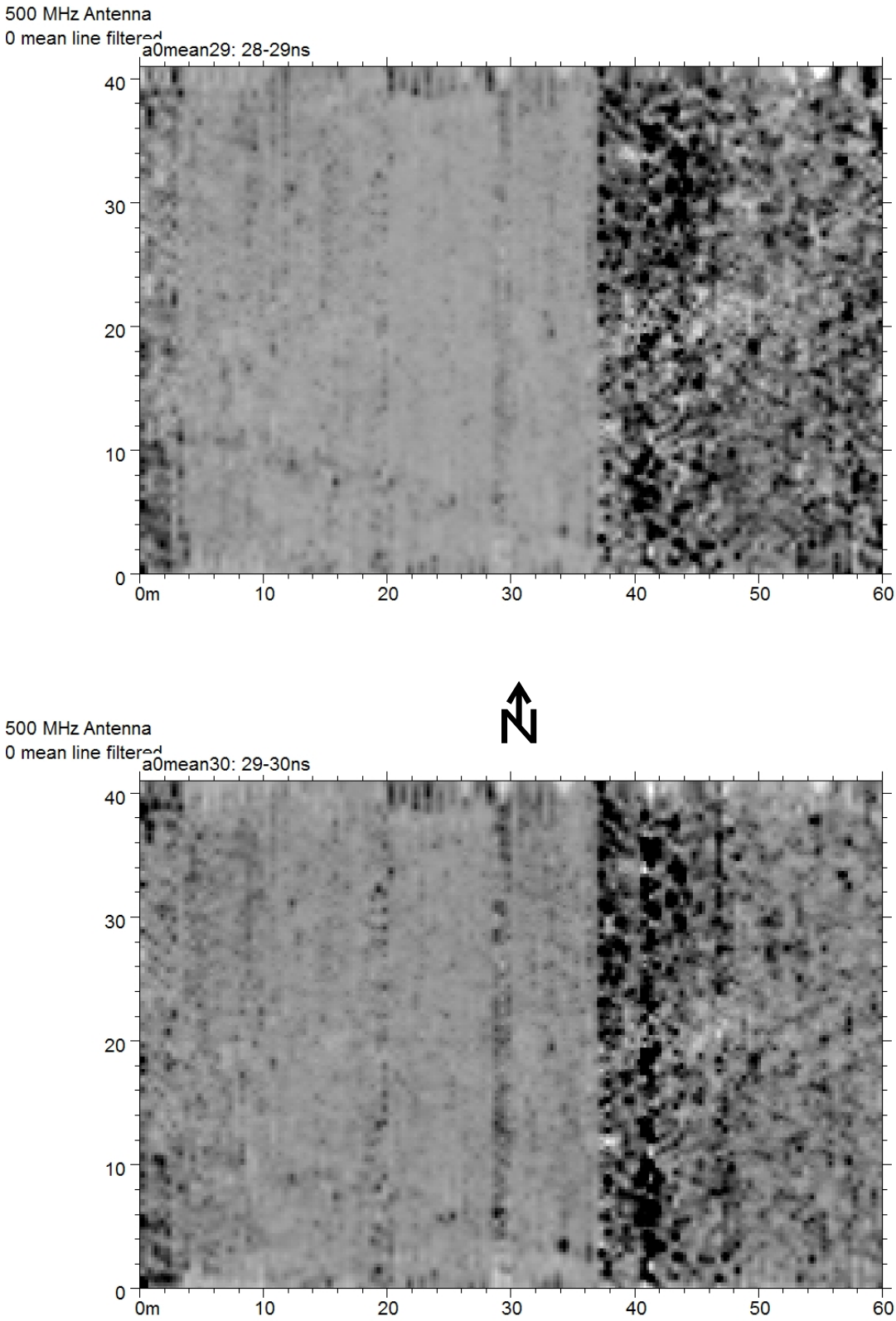
Scales in metres. Darker colour indicates higher amplitude response.

Figure 10.79 500MHz radar survey, timeslices 25 and 26, Flag Fen Area 2



Scales in metres. Darker colour indicates higher amplitude response.

Figure 10.80 500MHz radar survey, timeslices 27 and 28, Flag Fen Area 2



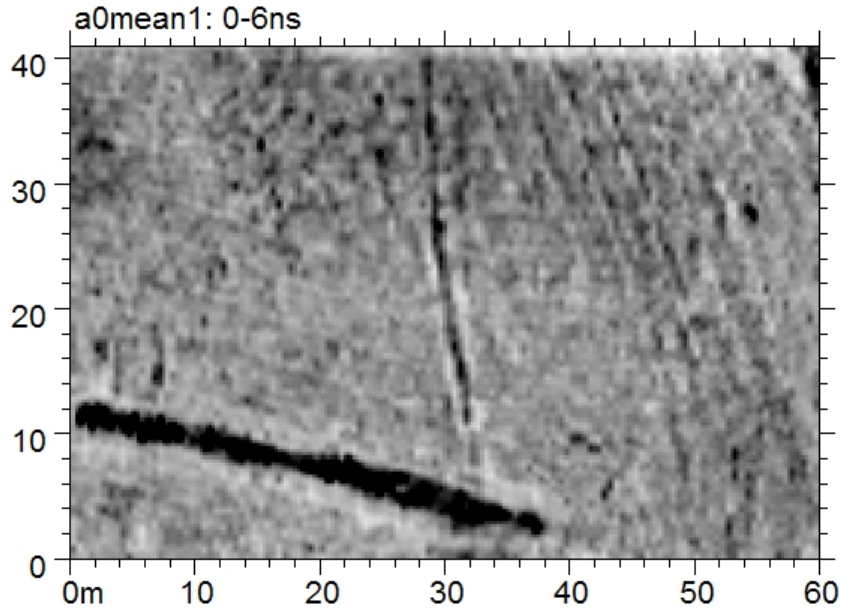
Scales in metres. Darker colour indicates higher amplitude response.

Figure 10.81 500MHz radar survey, timeslices 29 and 30, Flag Fen Area 2

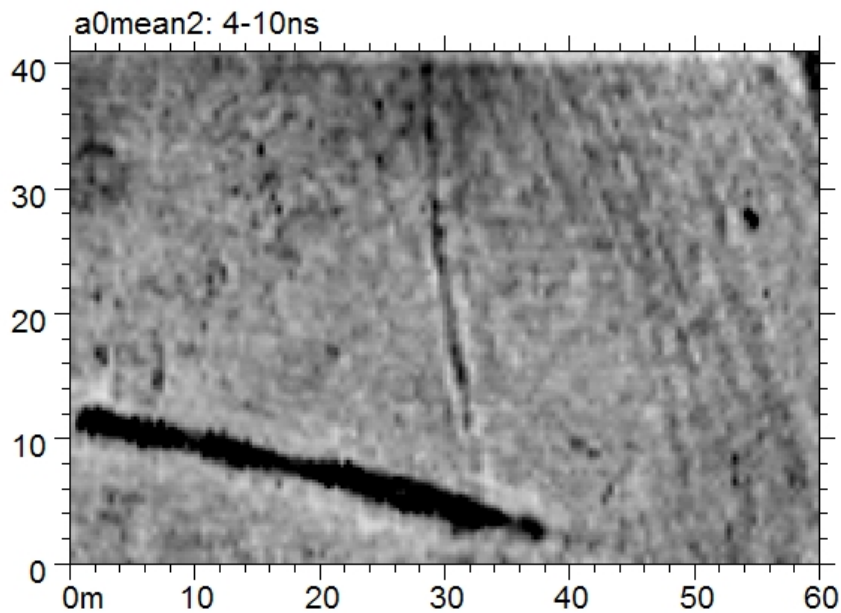
Slice	Time Window (ns)	Pseudo Depth (m)
1	0-6.15	0-0.22
2	3.99-10.14	0.14-0.35
3	7.98-14.13	0.28-0.49
4	11.96-18.12	0.42-0.63
5	15.95-22.1	0.56-0.77
6	19.94-26.09	0.7-0.91
7	23.93-30.08	0.84-1.05
8	27.91-34.07	0.98-1.19
9	31.9-38.06	1.12-1.33
10	35.89-42.04	1.26-1.47
11	39.88-46.03	1.4-1.61
12	43.86-50.02	1.54-1.75
13	47.85-54.01	1.67-1.89
14	51.84-57.99	1.81-2.03
15	55.83-61.98	1.95-2.17
16	59.82-65.97	2.09-2.31
17	63.8-69.96	2.23-2.45
18	67.79-73.94	2.37-2.59
19	71.78-77.93	2.51-2.73
20	75.77-81.92	2.65-2.87
21	79.75-85.91	2.79-3.01
22	83.74-89.9	2.93-3.15
23	87.73-93.88	3.07-3.29
24	91.72-97.87	3.21-3.43
25	95.7-101.86	3.35-3.57
26	99.69-105.85	3.49-3.7
27	103.68-109.83	3.63-3.84
28	107.67-113.82	3.77-3.98
29	111.66-117.81	3.91-4.12
30	115.64-121.6	4.05-4.26

Figure 10.82: 250MHz radar survey depth estimates

250 MHz Antenna
0 mean line filtered



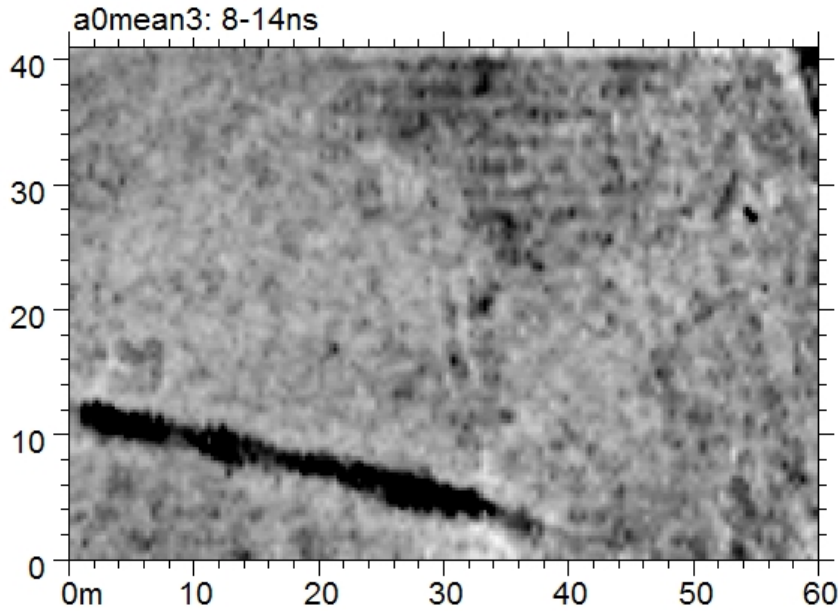
250 MHz Antenna
0 mean line filtered



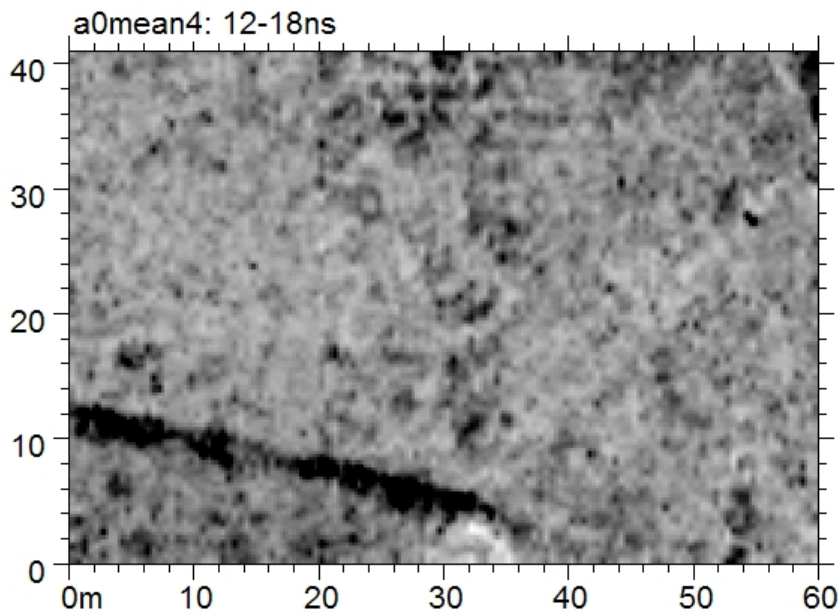
Scales in metres. Darker colour indicates higher amplitude response.

Figure 10.83 250MHz radar survey, timeslices 1 and 2, Flag Fen Area 2

250 MHz Antenna
0 mean line filtered



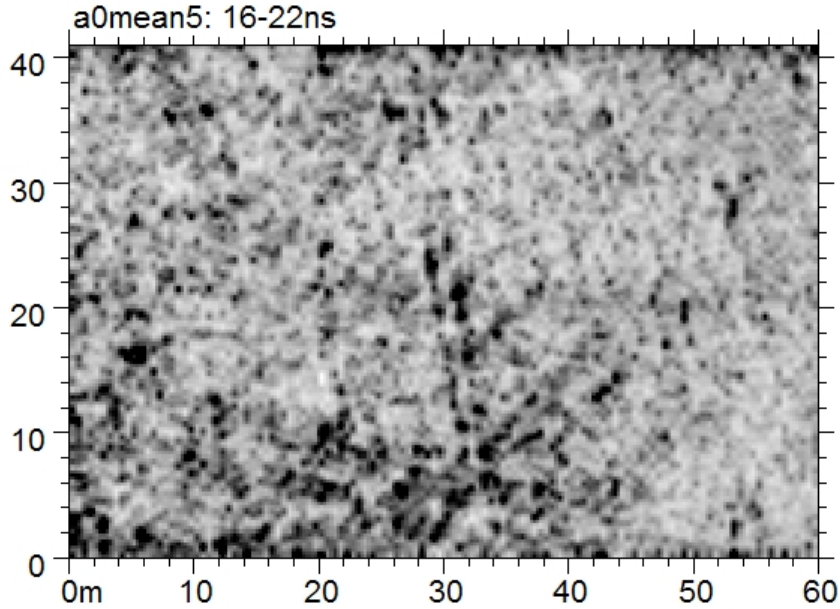
250 MHz Antenna
0 mean line filtered



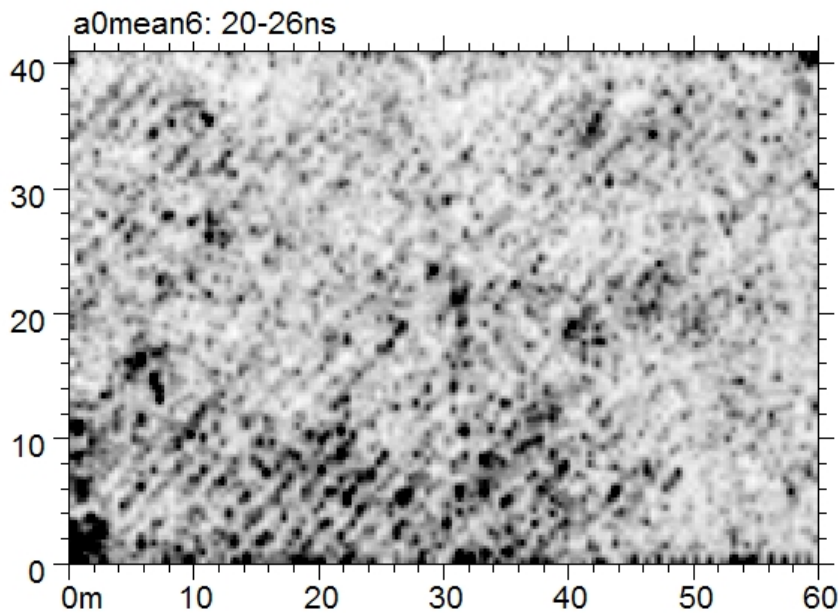
Scales in metres. Darker colour indicates higher amplitude response.

Figure 10.84 250MHz radar survey, timeslices 3 and 4, Flag Fen Area 2

250 MHz Antenna
0 mean line filtered



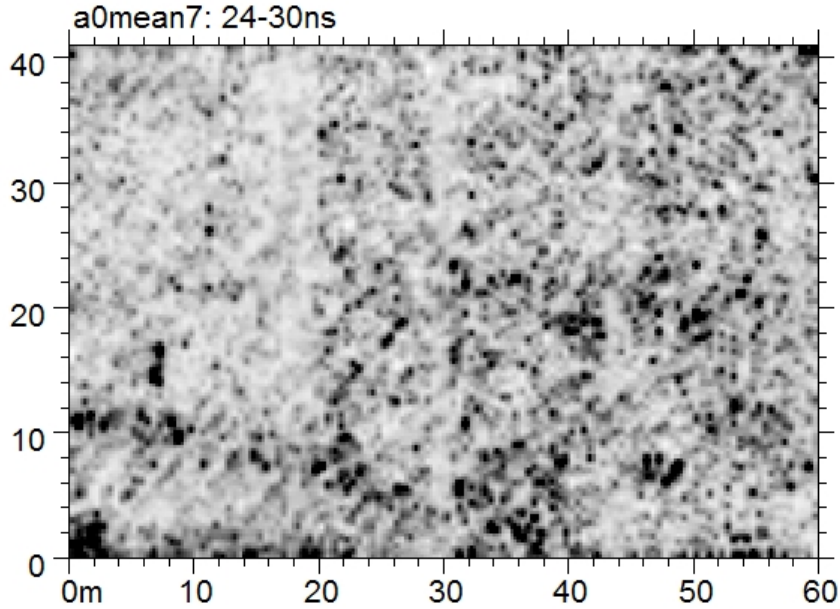
250 MHz Antenna
0 mean line filtered



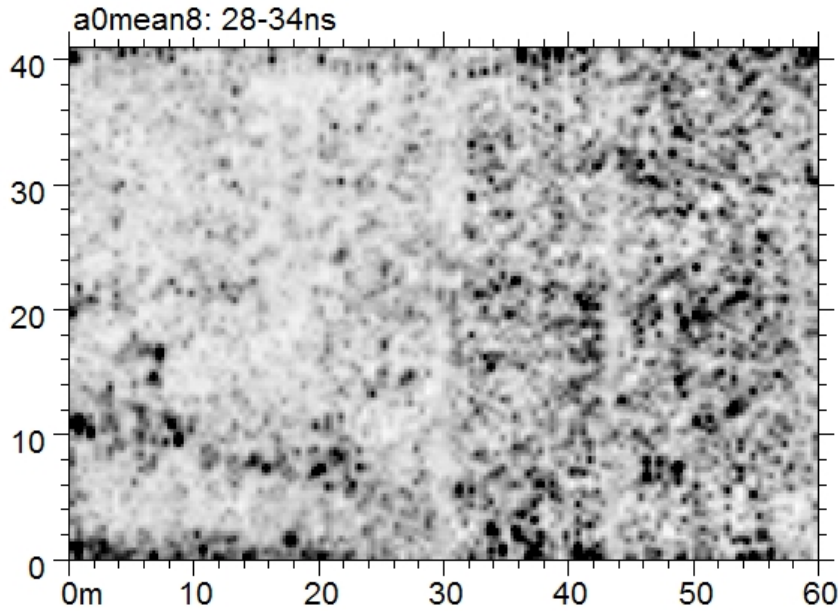
Scales in metres. Darker colour indicates higher amplitude response.

Figure 10.85 250MHz radar survey, timeslices 5 and 6, Flag Fen Area 2

250 MHz Antenna
0 mean line filtered



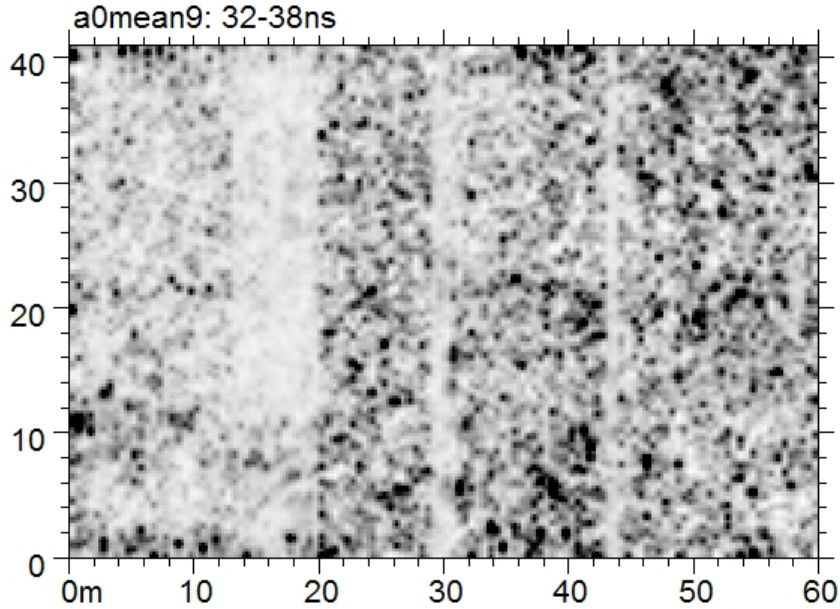
250 MHz Antenna
0 mean line filtered



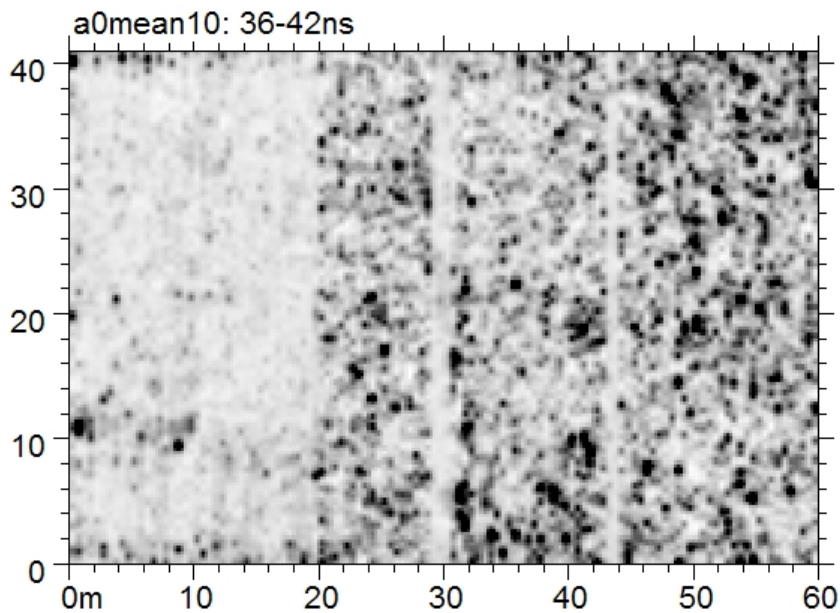
Scales in metres. Darker colour indicates higher amplitude response.

Figure 10.86 250MHz radar survey, timeslices 7 and 8, Flag Fen Area 2

250 MHz Antenna
0 mean line filtered



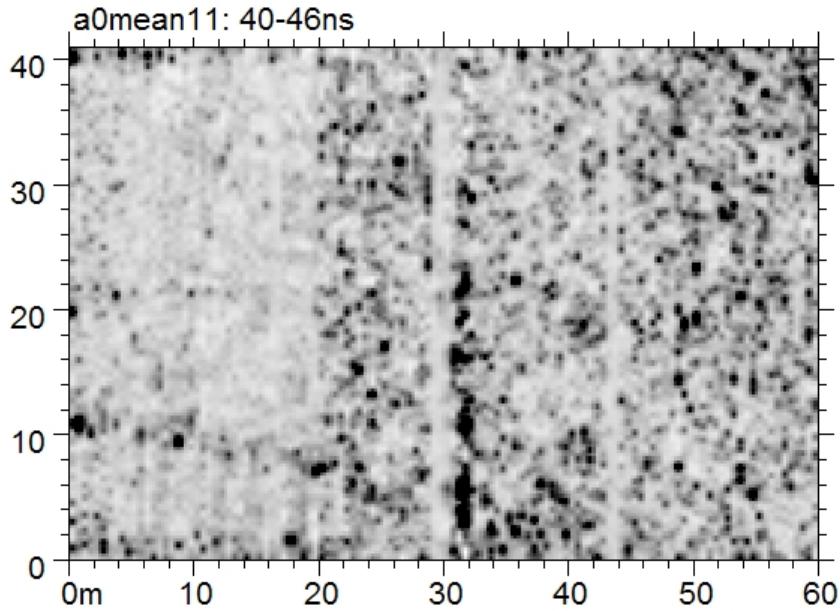
250 MHz Antenna
0 mean line filtered



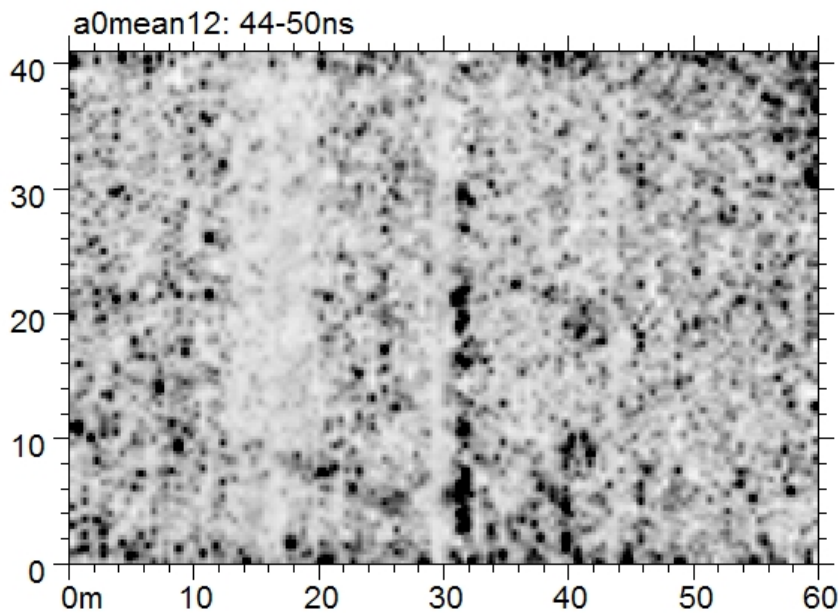
Scales in metres. Darker colour indicates higher amplitude response.

Figure 10.87 250MHz radar survey, timeslices 9 and 10, Flag Fen Area 2

250 MHz Antenna
0 mean line filtered



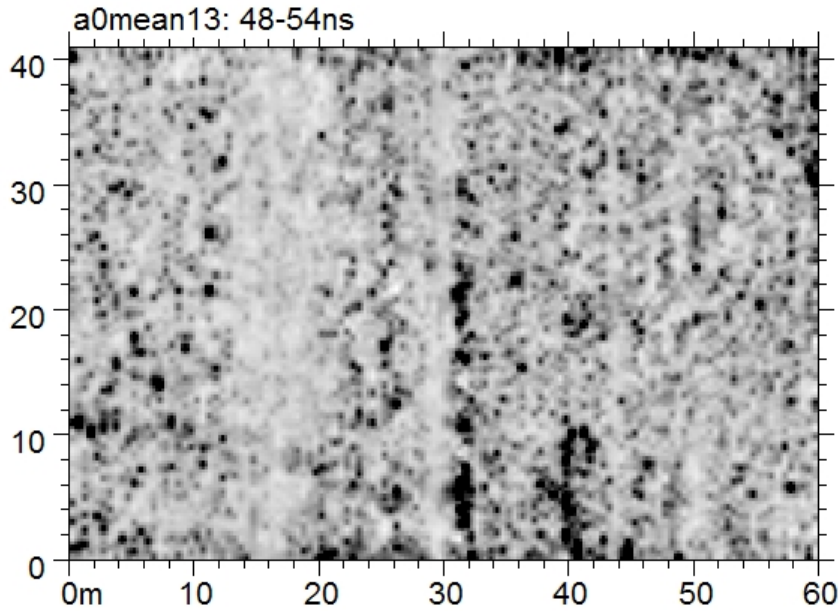
250 MHz Antenna
0 mean line filtered



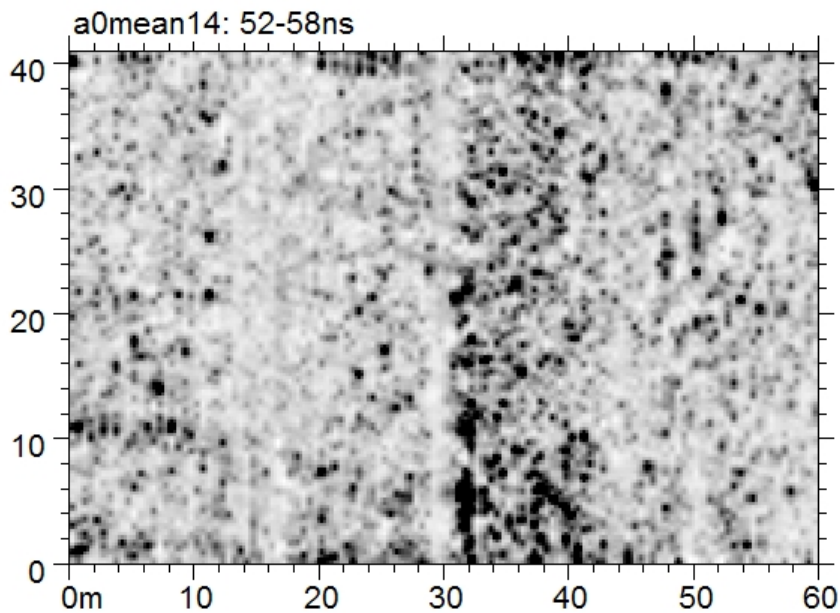
Scales in metres. Darker colour indicates higher amplitude response.

Figure 10.88 250MHz radar survey, timeslices 11 and 12, Flag Fen Area 2

250 MHz Antenna
0 mean line filtered



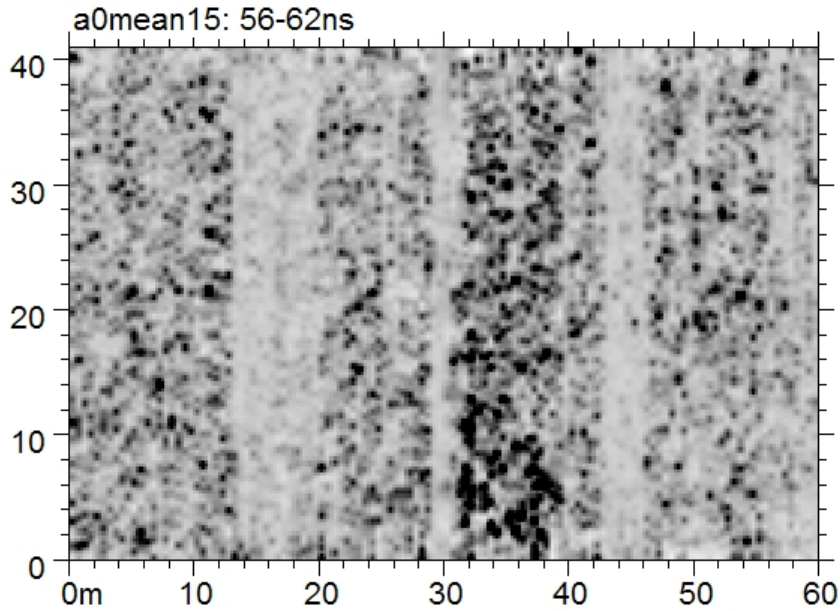
250 MHz Antenna
0 mean line filtered



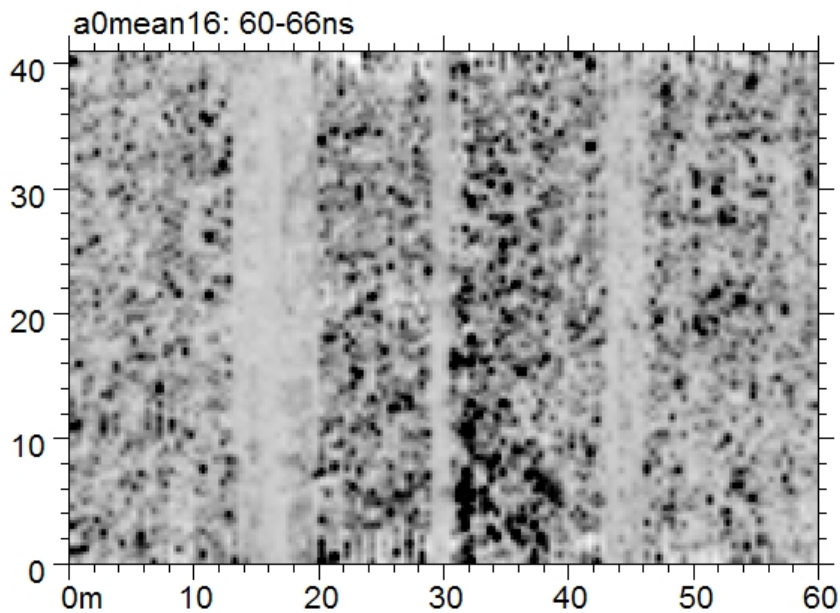
Scales in metres. Darker colour indicates higher amplitude response.

Figure 10.89 250MHz radar survey, timeslices 13 and 14, Flag Fen Area 2

250 MHz Antenna
0 mean line filtered



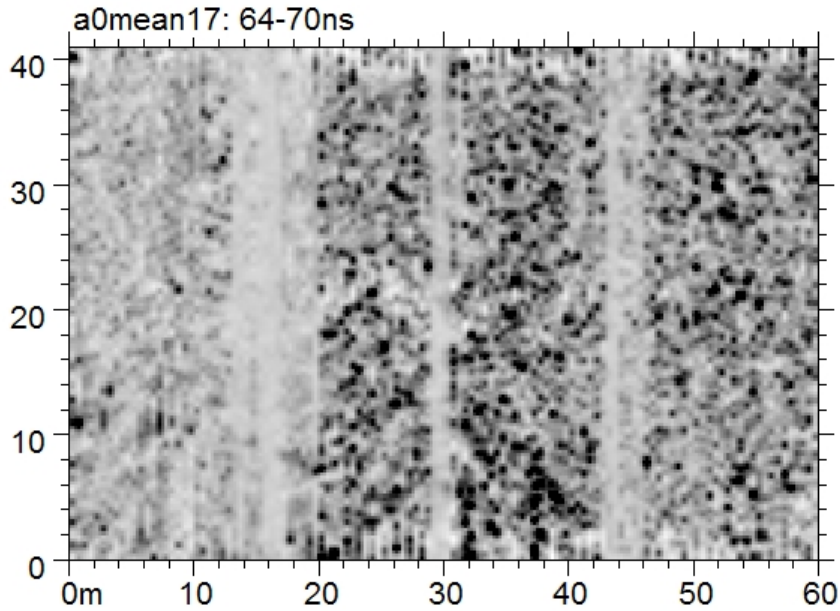
250 MHz Antenna
0 mean line filtered



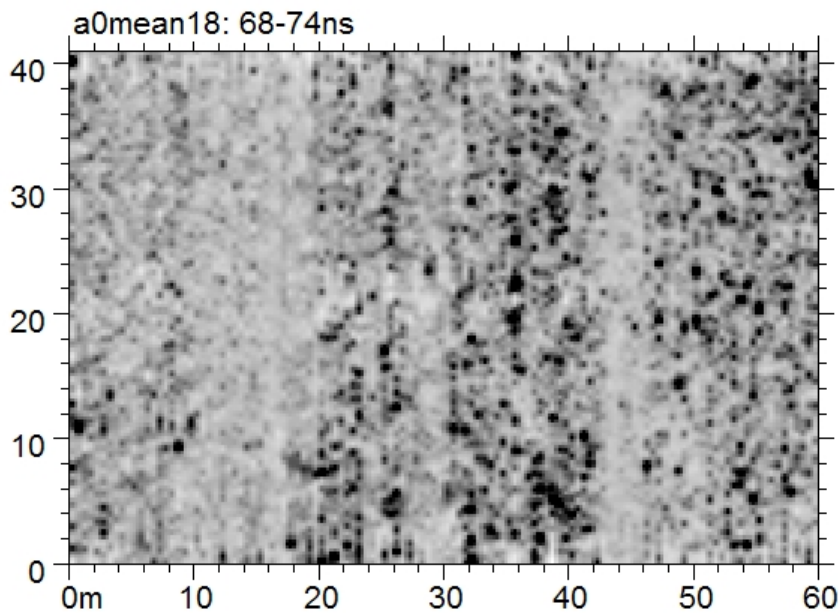
Scales in metres. Darker colour indicates higher amplitude response.

Figure 10.90 250MHz radar survey, timeslices 15 and 16, Flag Fen Area 2

250 MHz Antenna
0 mean line filtered



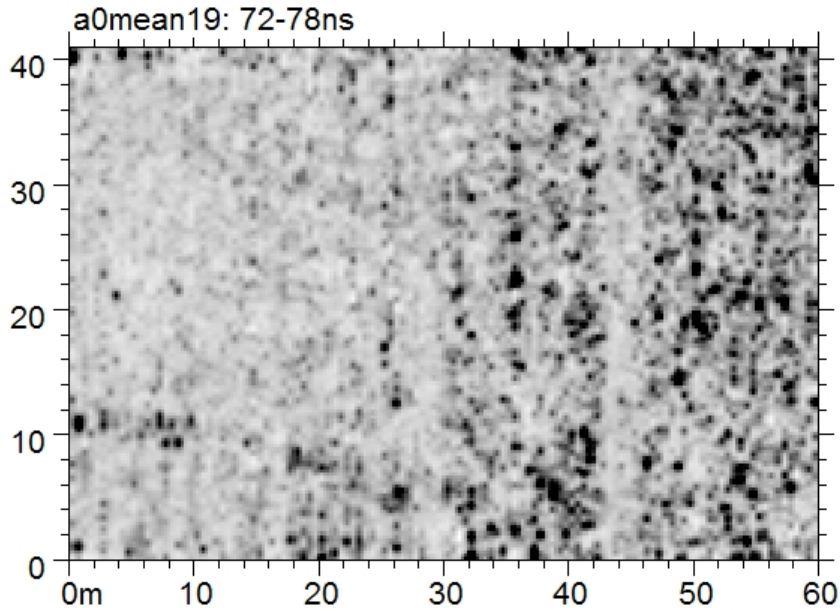
250 MHz Antenna
0 mean line filtered



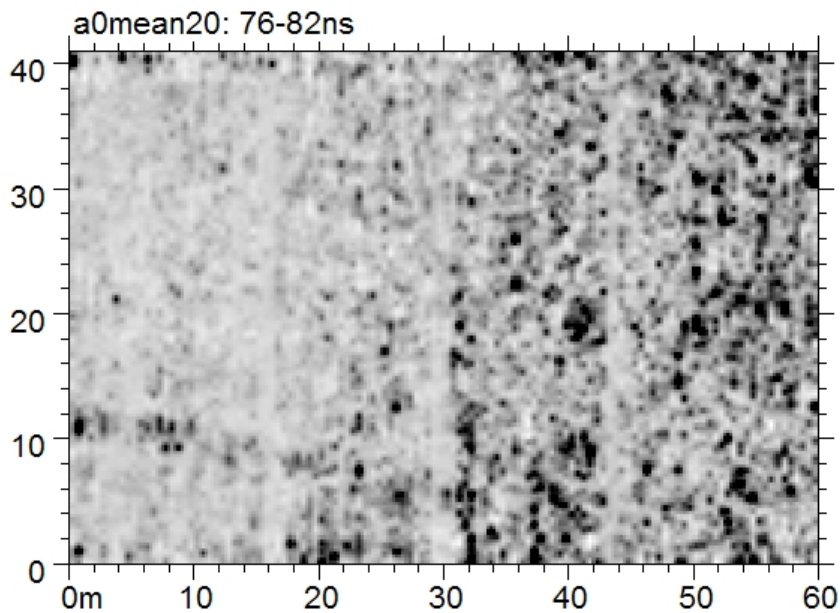
Scales in metres. Darker colour indicates higher amplitude response.

Figure 10.91 250MHz radar survey, timeslices 17 and 18, Flag Fen Area 2

250 MHz Antenna
0 mean line filtered



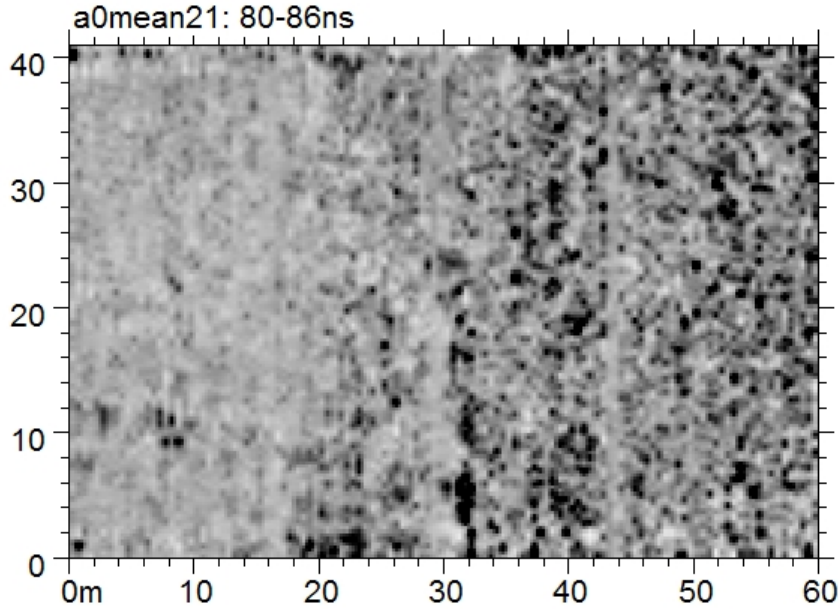
250 MHz Antenna
0 mean line filtered



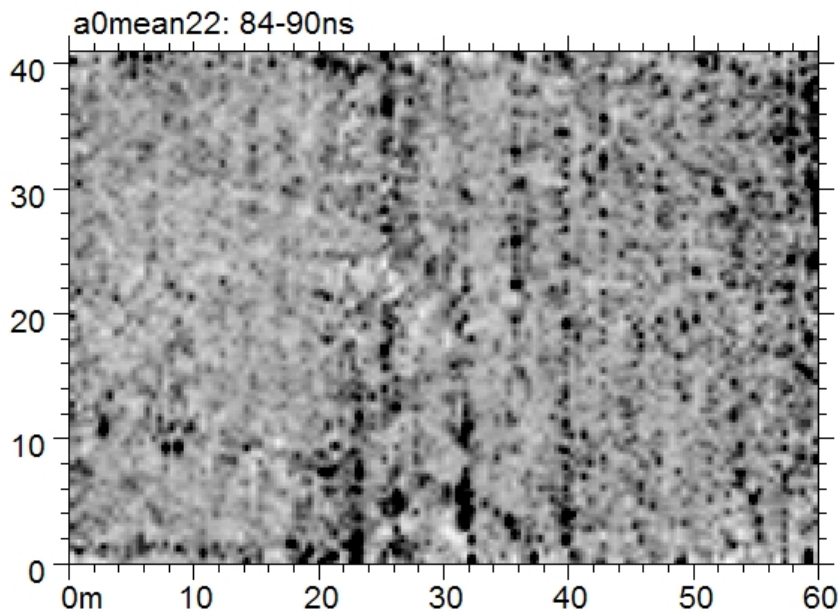
Scales in metres. Darker colour indicates higher amplitude response.

Figure 10.92 250MHz radar survey, timeslices 19 and 20, Flag Fen Area 2

250 MHz Antenna
0 mean line filtered



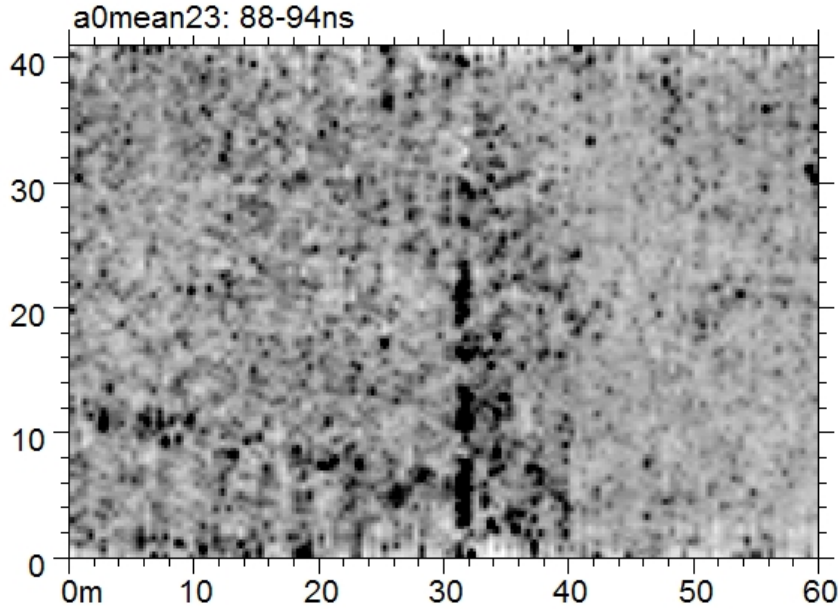
250 MHz Antenna
0 mean line filtered



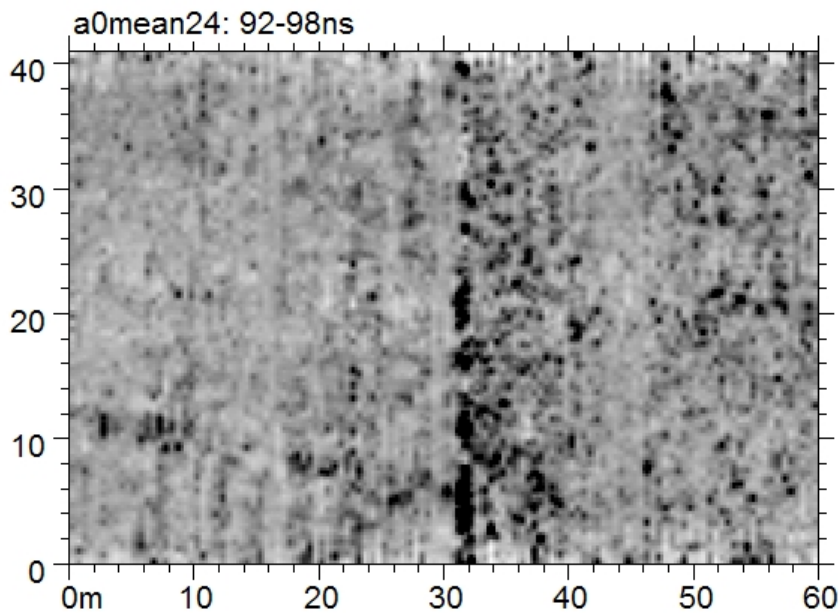
Scales in metres. Darker colour indicates higher amplitude response.

Figure 10.93 250MHz radar survey, timeslices 21 and 22, Flag Fen Area 2

250 MHz Antenna
0 mean line filtered



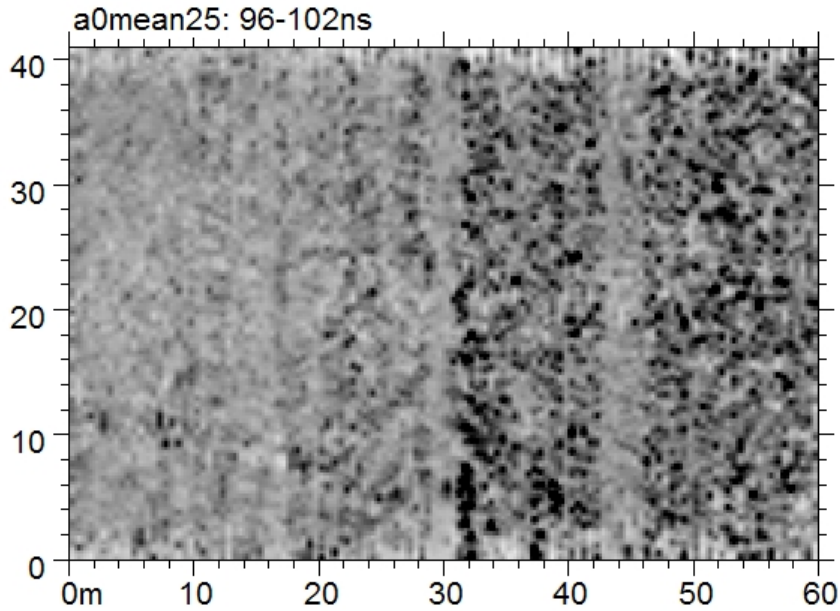
250 MHz Antenna
0 mean line filtered



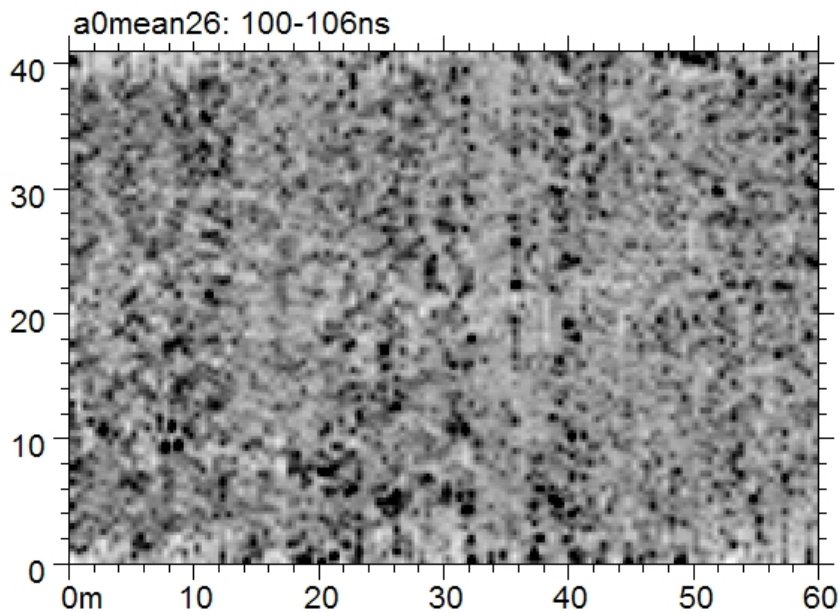
Scales in metres. Darker colour indicates higher amplitude response.

Figure 10.94 250MHz radar survey, timeslices 23 and 24, Flag Fen Area 2

250 MHz Antenna
0 mean line filtered



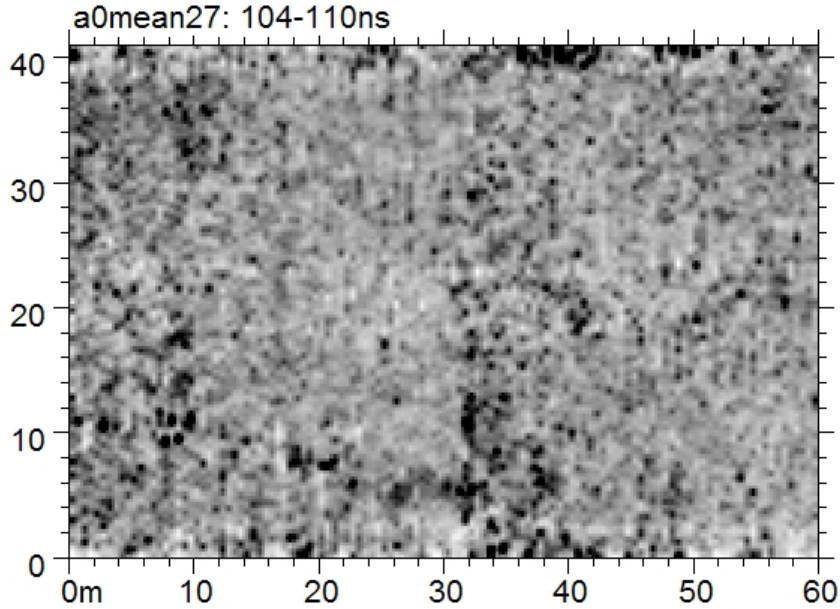
250 MHz Antenna
0 mean line filtered



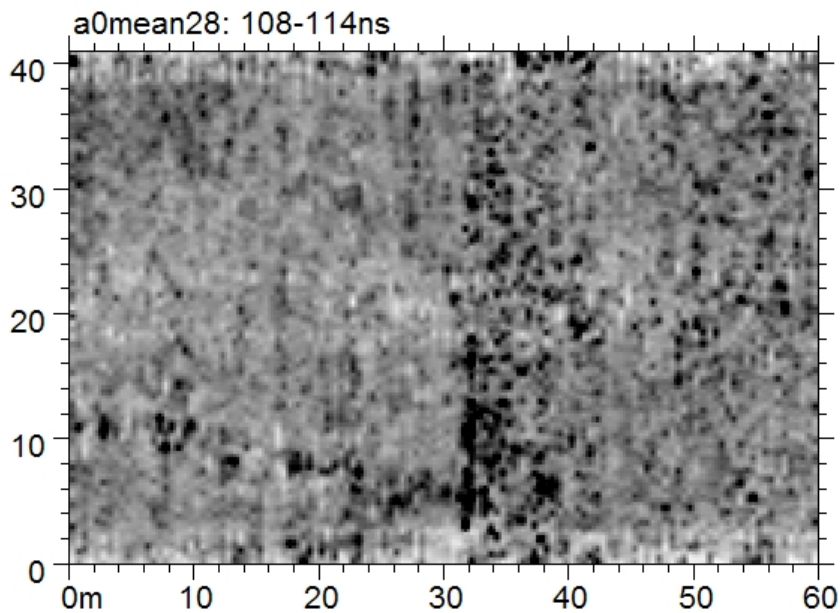
Scales in metres. Darker colour indicates higher amplitude response.

Figure 10.95 250MHz radar survey, timeslices 25 and 26, Flag Fen Area 2

250 MHz Antenna
0 mean line filtered



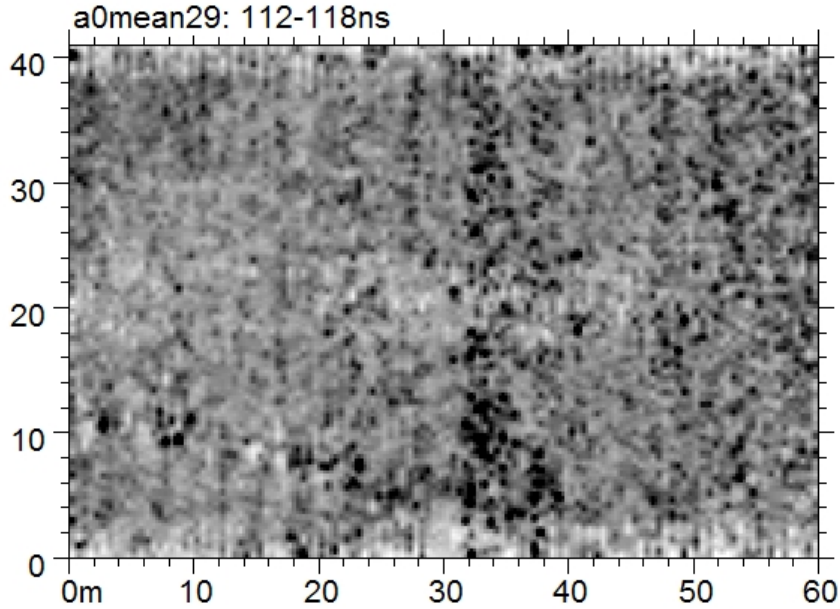
250 MHz Antenna
0 mean line filtered



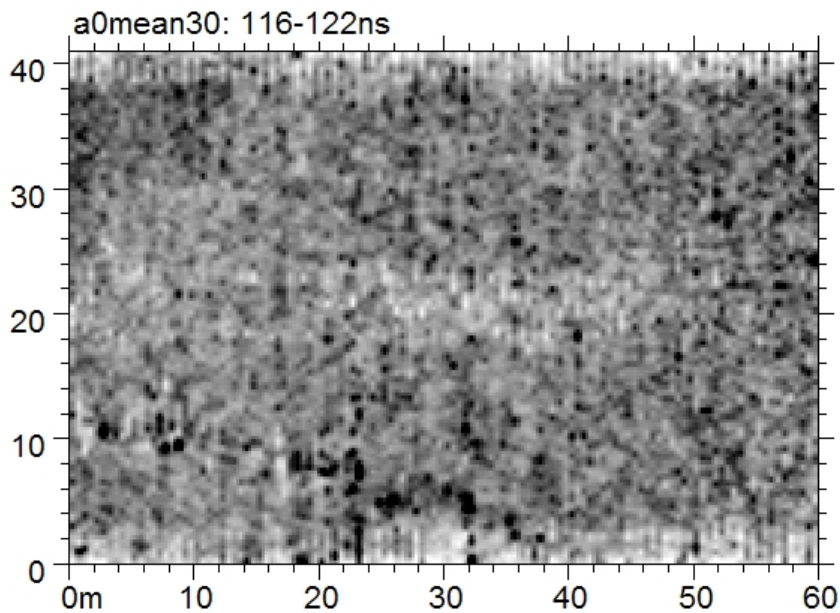
Scales in metres. Darker colour indicates higher amplitude response.

Figure 10.96 250MHz radar survey, timeslices 27 and 28, Flag Fen Area 2

250 MHz Antenna
0 mean line filtered



250 MHz Antenna
0 mean line filtered



Scales in metres. Darker colour indicates higher amplitude response.

Figure 10.97 250MHz radar survey, timeslices 29 and 30, Flag Fen Area 2

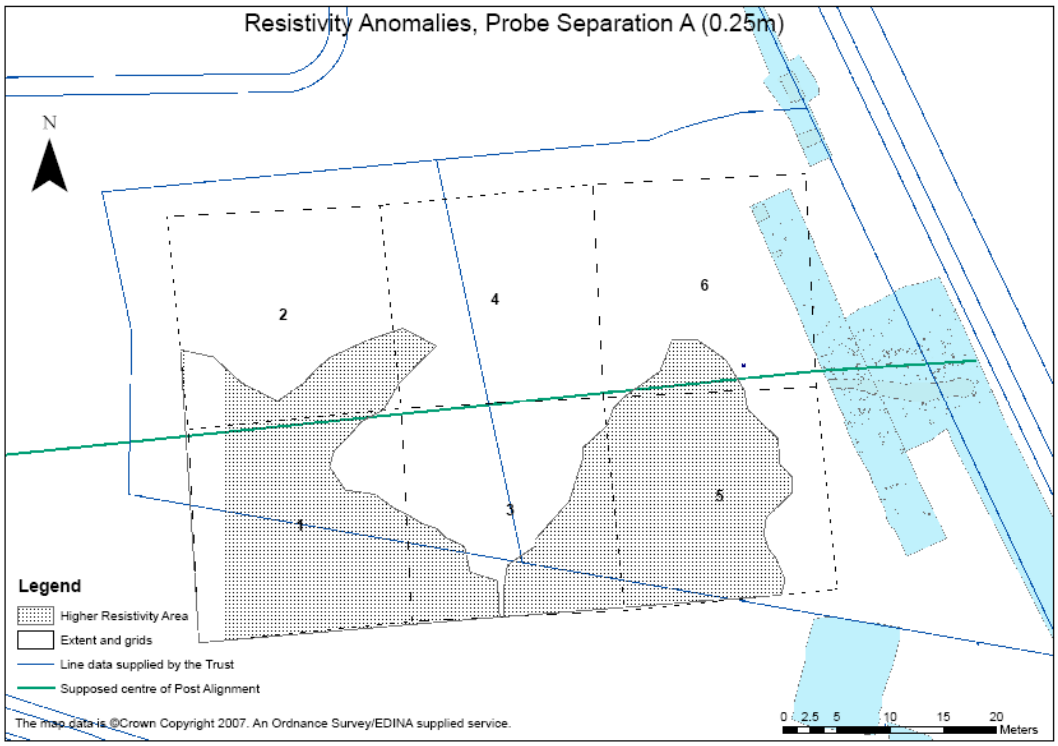


Figure 10.98 Multiplexed resistivity interpretation, probe separation A, Flag Fen Area 2

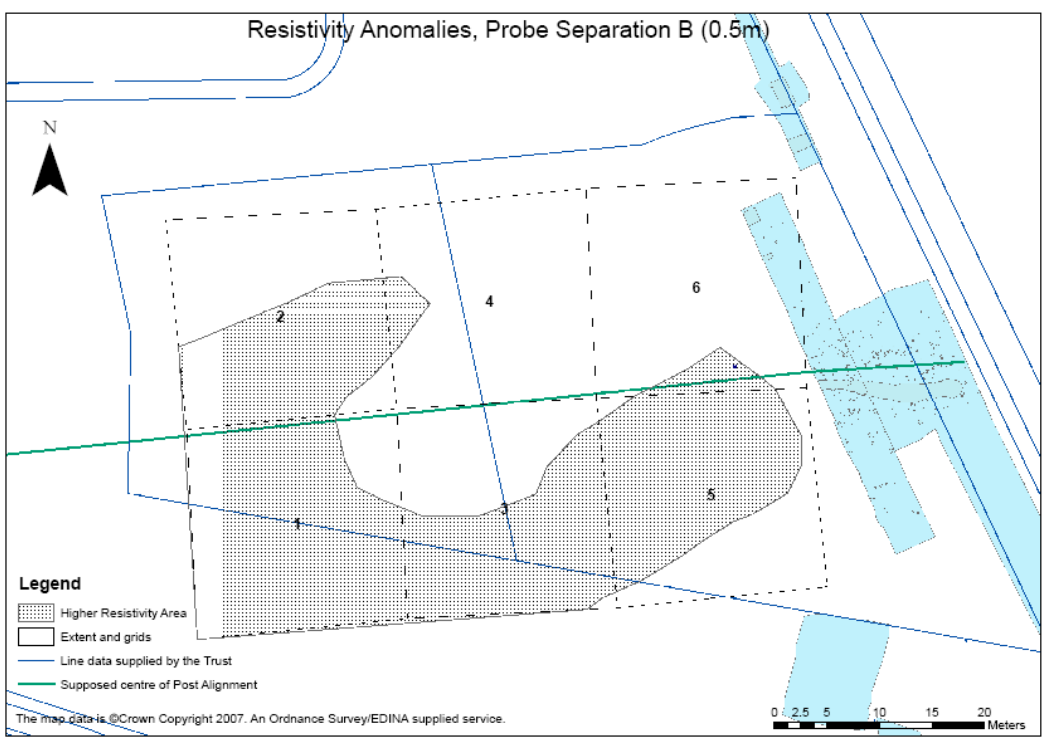


Figure 10.99 Multiplexed resistivity interpretation, probe separation B, Flag Fen Area 2

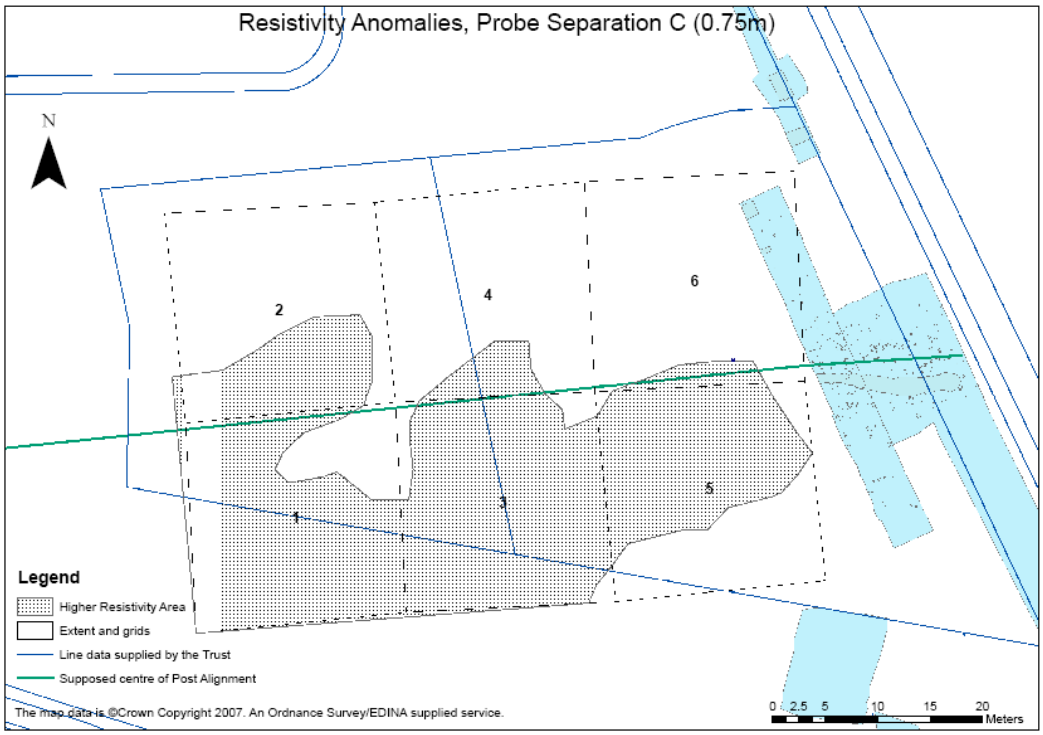


Figure 10.100 Multiplexed resistivity interpretation, probe separation C, Flag Fen Area 2

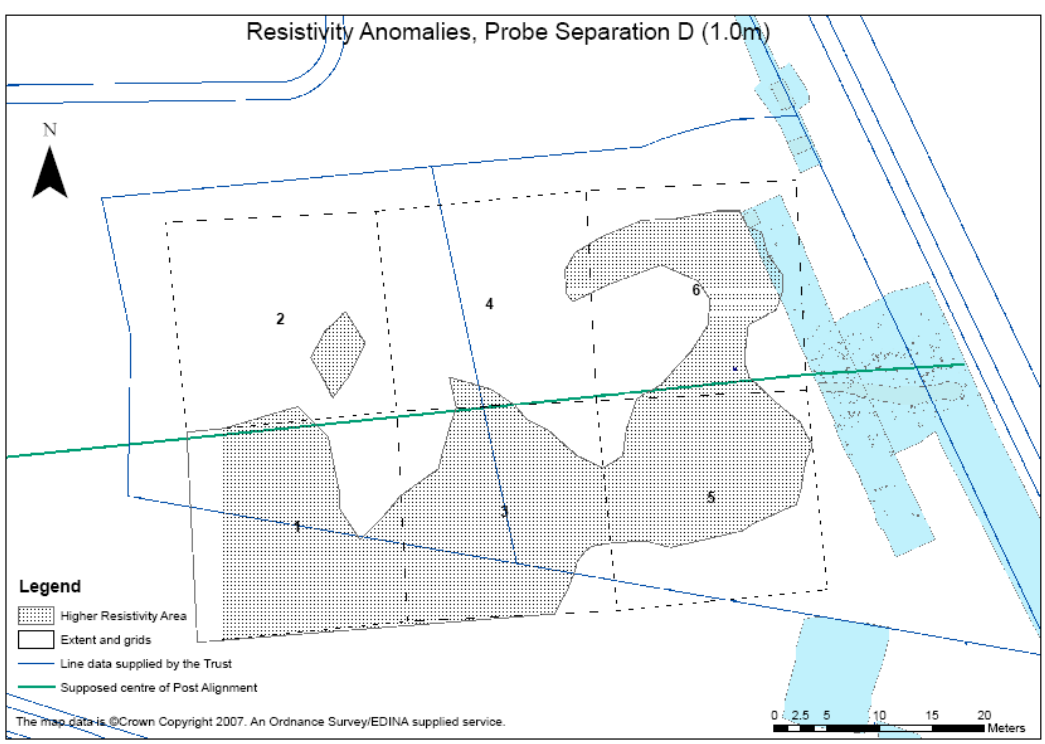


Figure 10.101 Multiplexed resistivity interpretation, probe separation D, Flag Fen Area 2

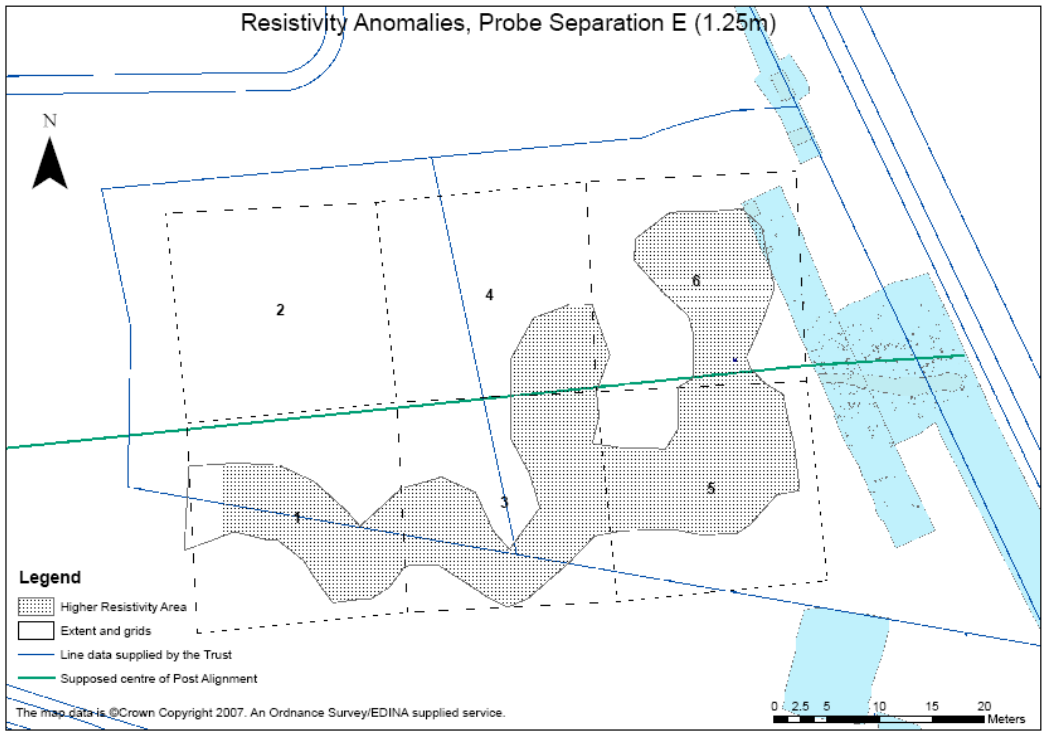


Figure 10.102 Multiplexed resistivity interpretation, probe separation E, Flag Fen Area 2

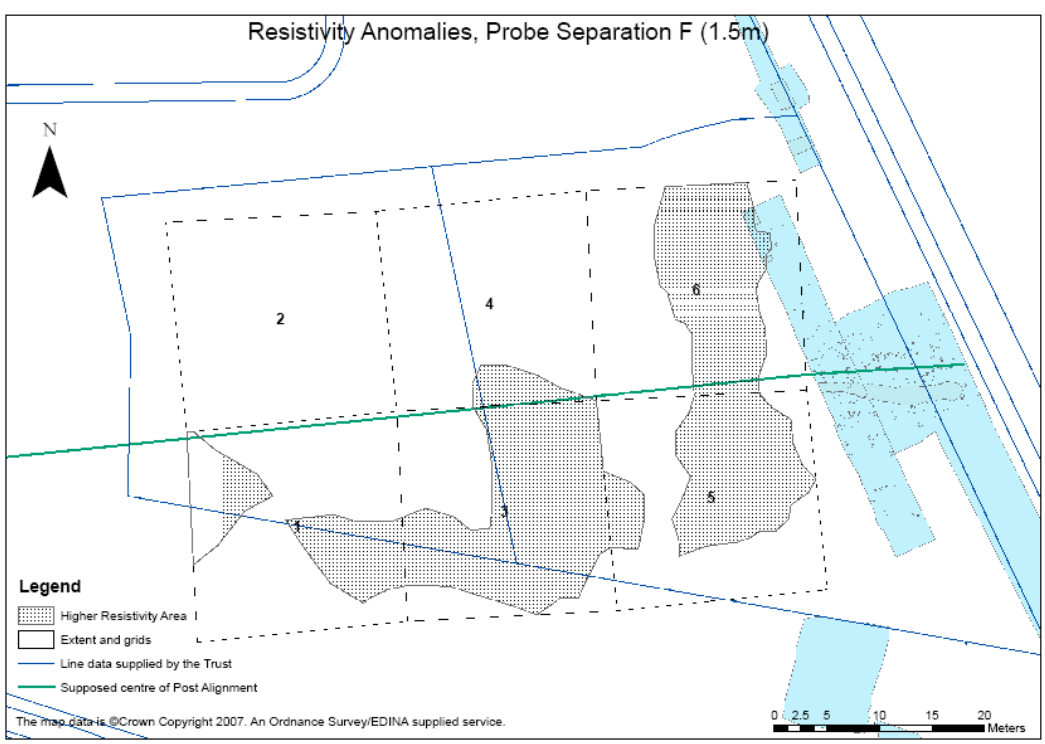


Figure 10.103 Multiplexed resistivity interpretation, probe separation F, Flag Fen Area 2

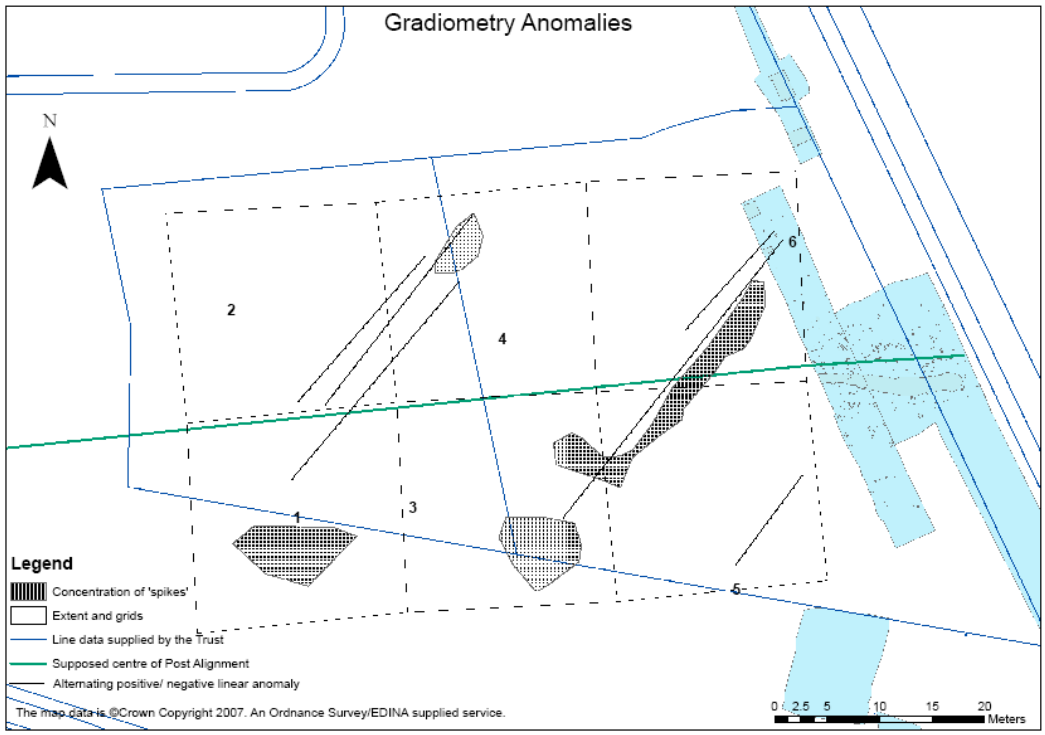


Figure 10.104 Bartington DualGrad interpretation, Flag Fen Area 2

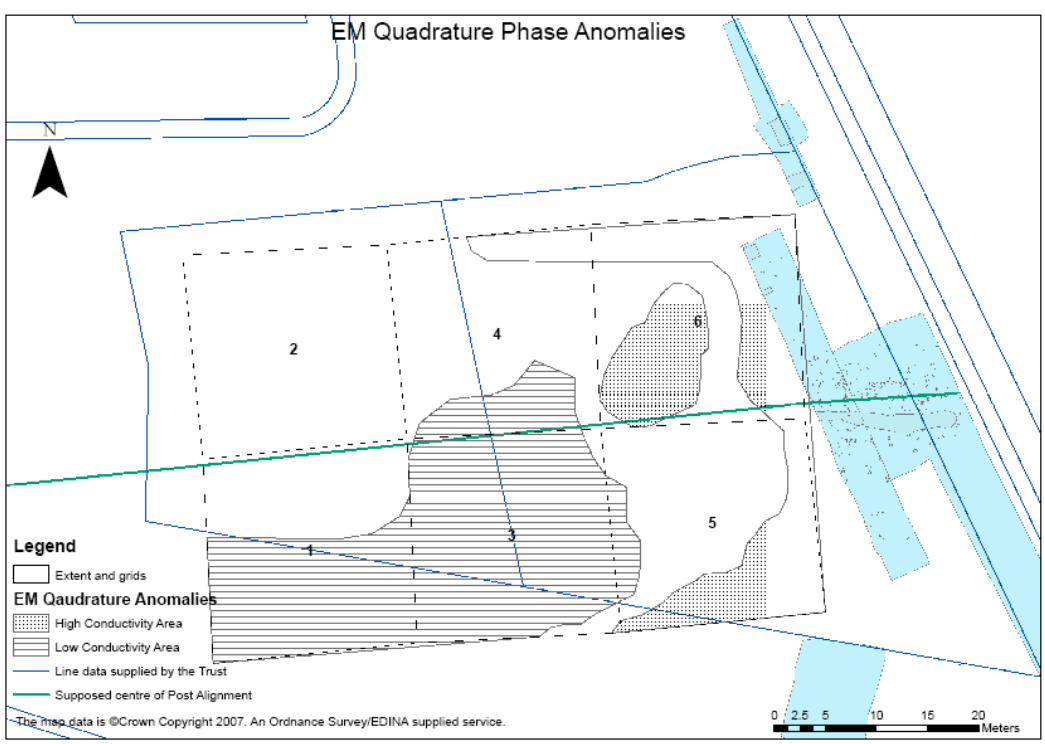


Figure 10.105 Vertical EM quadrature interpretation, Flag Fen Area 2

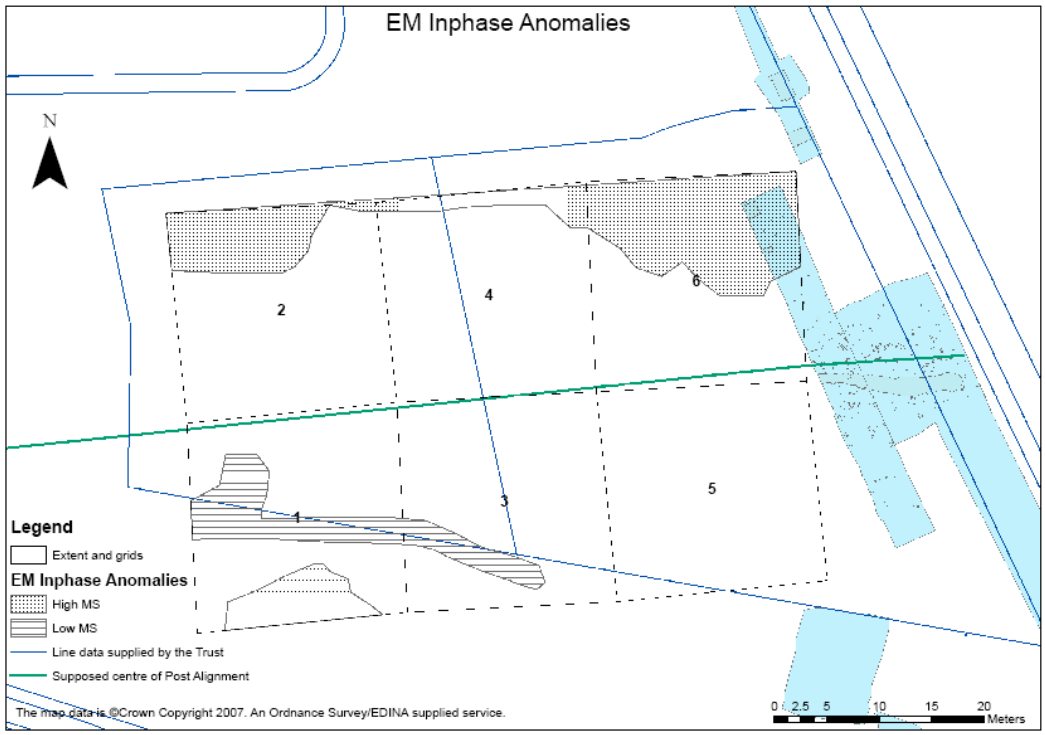


Figure 10.106 Vertical EM inphase interpretation, Flag Fen Area 2

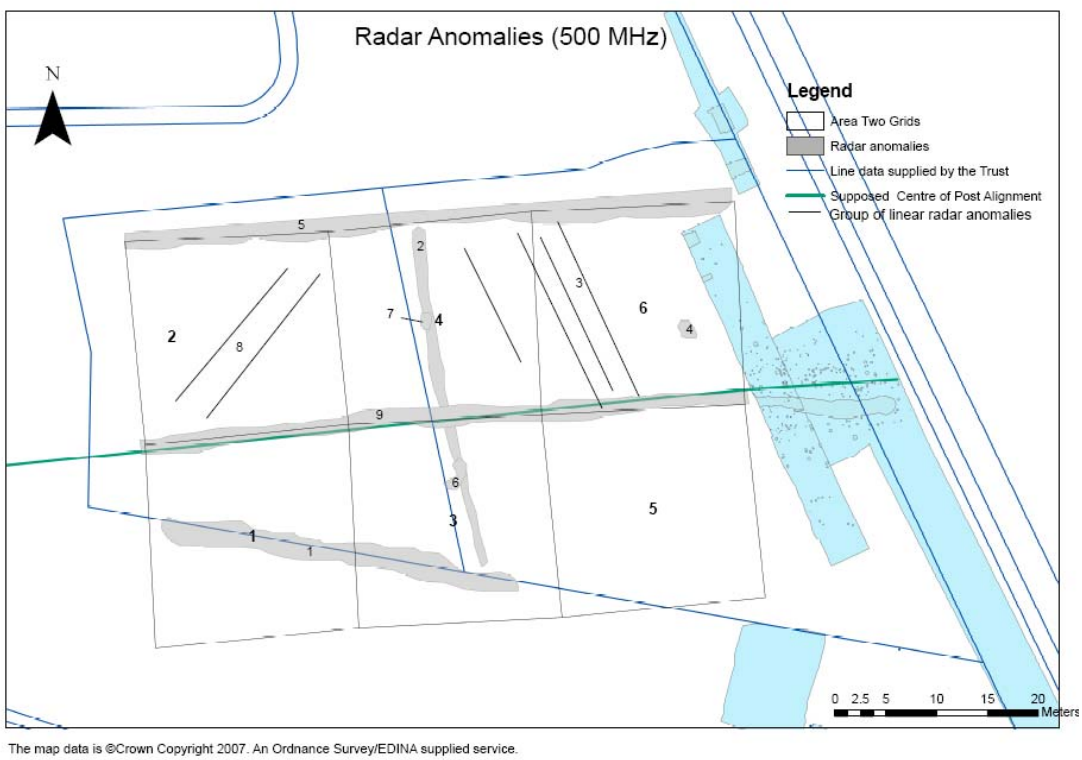


Figure 10.107 500MHz radar survey interpretation, Flag Fen Area 2

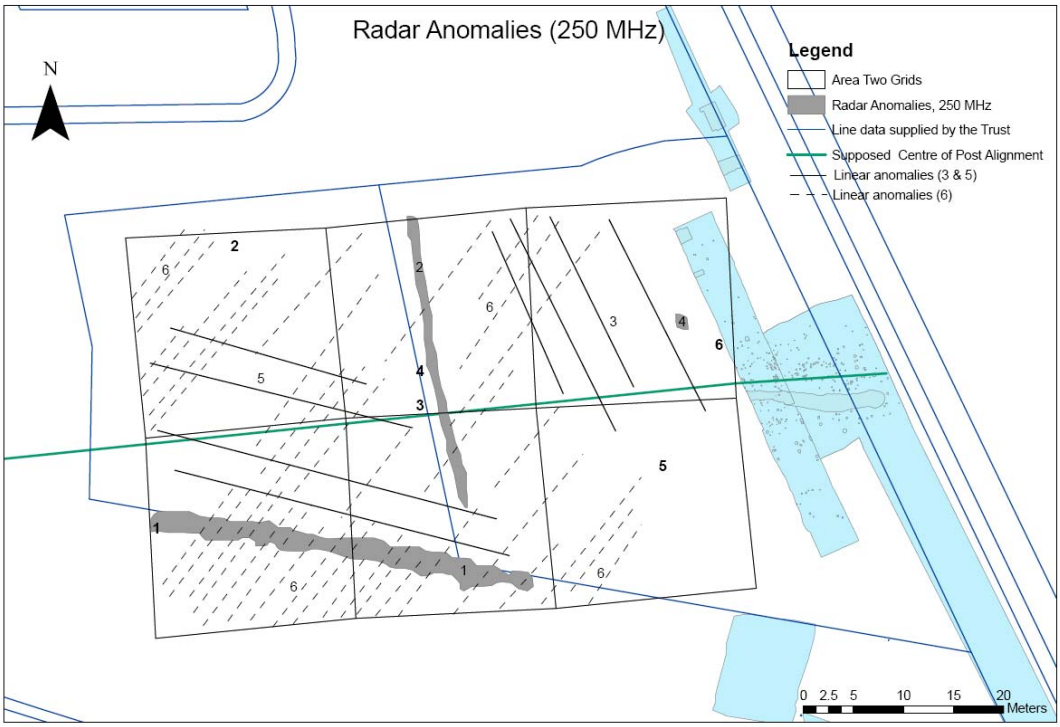


Figure 10.108 250MHz radar survey anomalies, Flag Fen Area 2

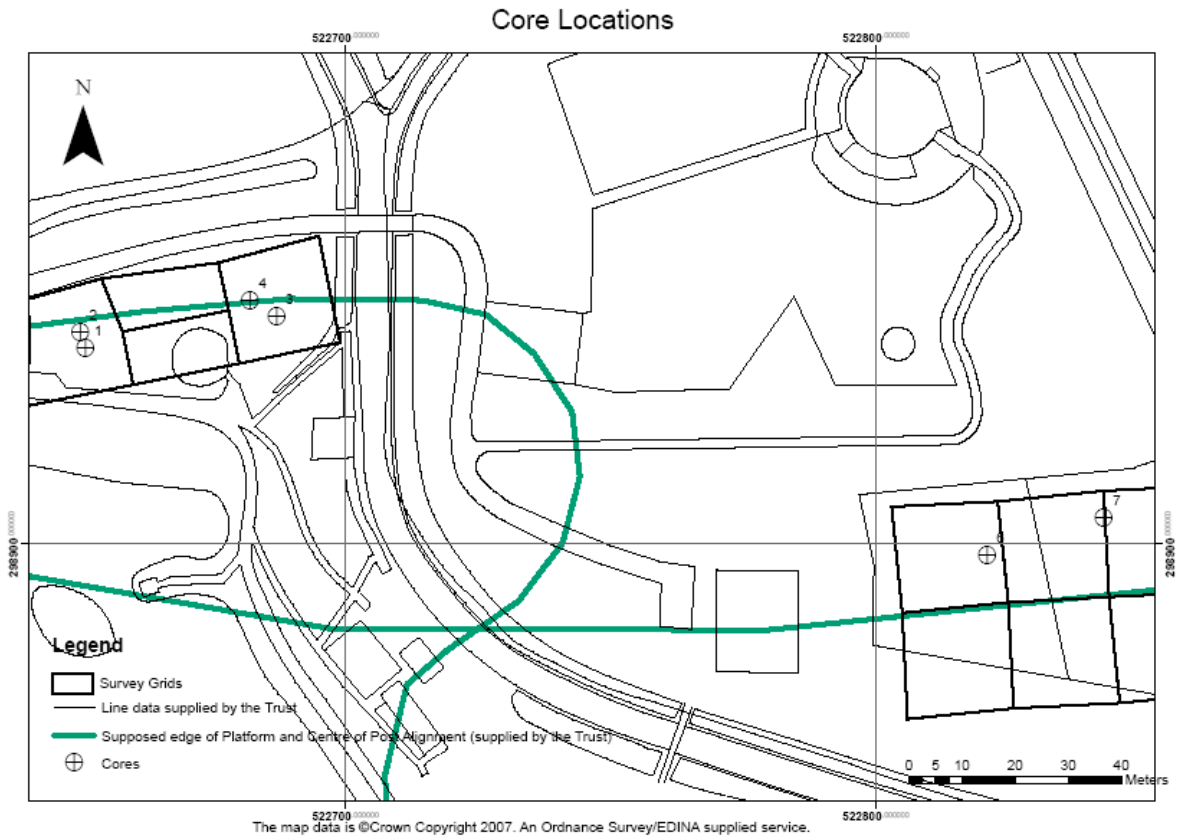
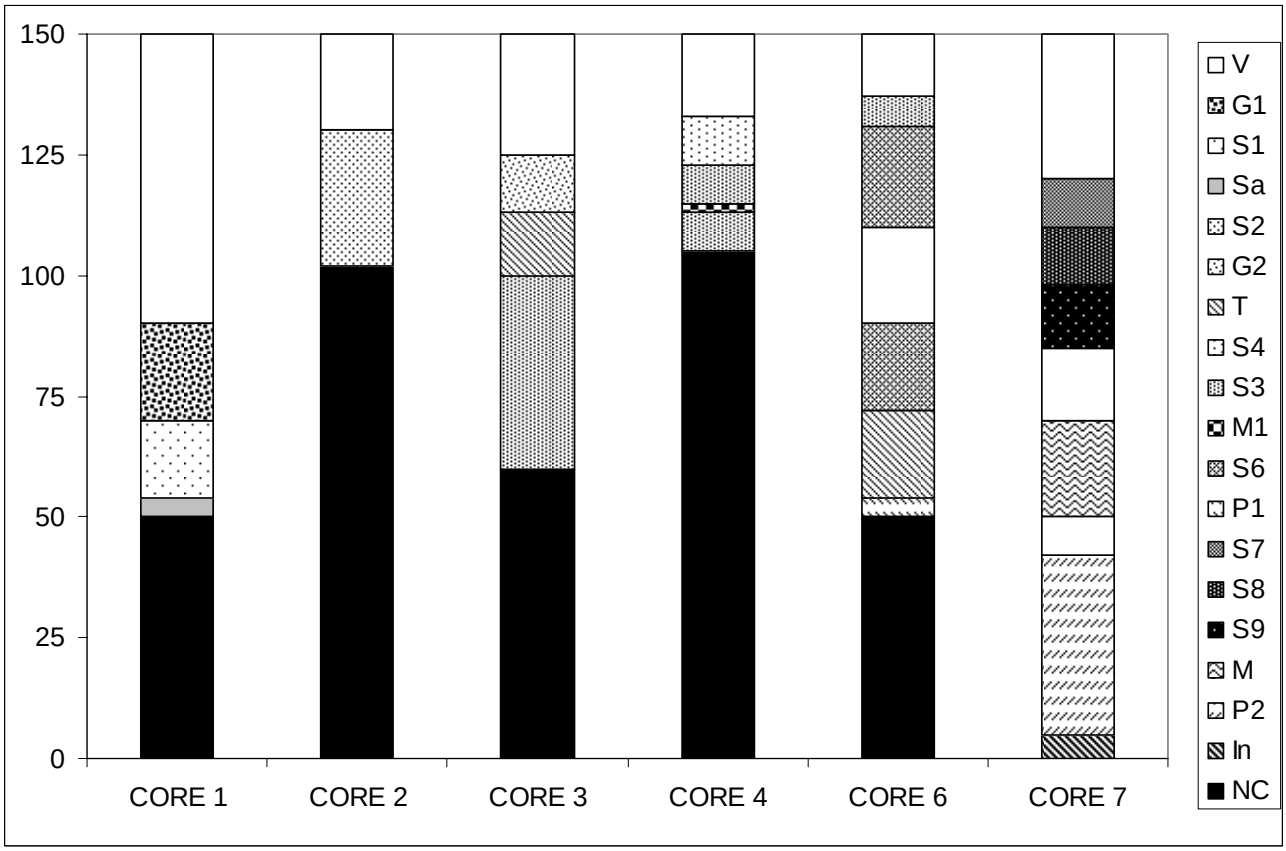


Figure 10.109 Core locations, Flag Fen



Codes	Description	Munsell
V	Core voided	
G1	Reddish Gravel, loose- poss what voided as well	5.7YR5/8 Strong Brown
S1	Buried soil? Silty mottled layer w. v dark fragments, some plant remains	10YR2/1 Black
Sa	Compact orangey-red sand, humic material	5.7YR5/8 Strong Brown
S2	Sandy well humified becoming more silty with depth, some small stones poss some charcoal flecks, orange flecks, v compacted (and more so with depth)	10YR3/4 Brown
G2	Many small-medium stones, and sand, some humic material	10YR4/4 Dark Yellowish Brown
T	Transition Zone	
S3	Superficially sandy; sticky/clayey fining downwards; no stone bright reddish flecks, dark specks more frequent with depth	10YR4/3 Brown
S4	Loose dry soil some small stones and rootlets, possible burnt matter and seeds	10YR3/2 Very Dark Greyish Brown
M1	Mottles: Light coloured sandy intrusion(?)	5Y6/6 Olive Yellow
S6	Sim. To S3 but has sheen where cut, compact, slightly diff colour; more compact with depth	
P1	Black, wet, sticky organic deposit. Very well humified	10YR3/2 Very Dark Greyish Brown
S7	Mixed v hard peds and small stones, rootlets mottled orange flecks- 10YR6/8 brownish yellow, poss some burnt material	10YR2/1 Black
S8	Sim to S7 with larger peds, less air space & more cohesive. Glossy where peds cut.	10YR4/2 Dark Greyish Brown
S9	more compact with depth, redder and wetter with depth. Rootlets, silty/clayey but less with depth	10YR3/2 Very Dark Greyish Brown
M	Mixed by corer; no sequence recovered, but see notes	10YR2/2 Very Dark Brown
P2	Very well humified peat with silt, no roots but wood frags. Poss gypsum(?) crystals noted on core as dried in air.	
In	Yellow/green sandy layer not cored through	Black
NC	Not cored	5GY5/1 Greenish Grey

Figure 10.110 Flag Fen Cores: Major horizons

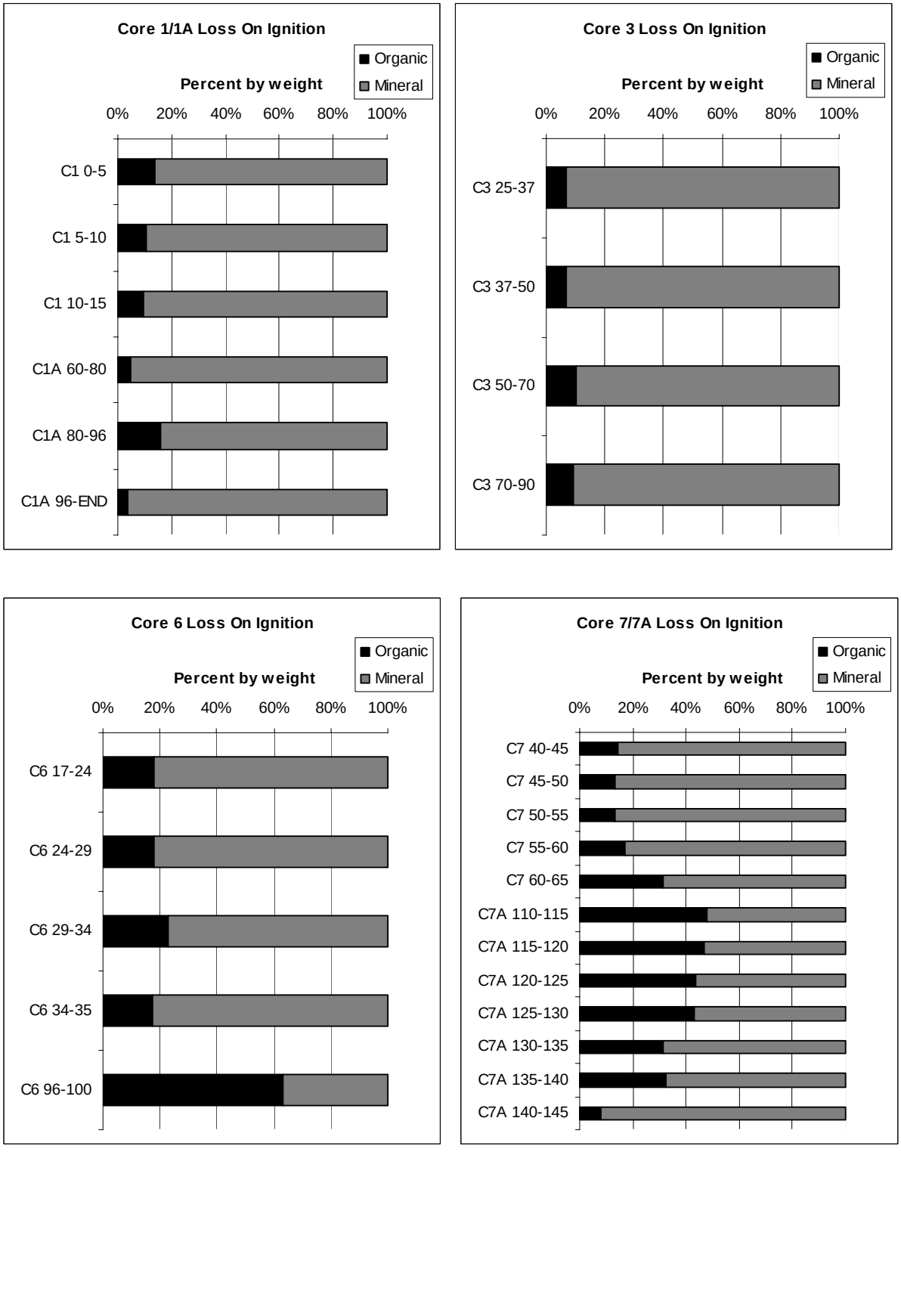


Figure 10.111 Flag Fen Cores, loss on ignition (LOI)

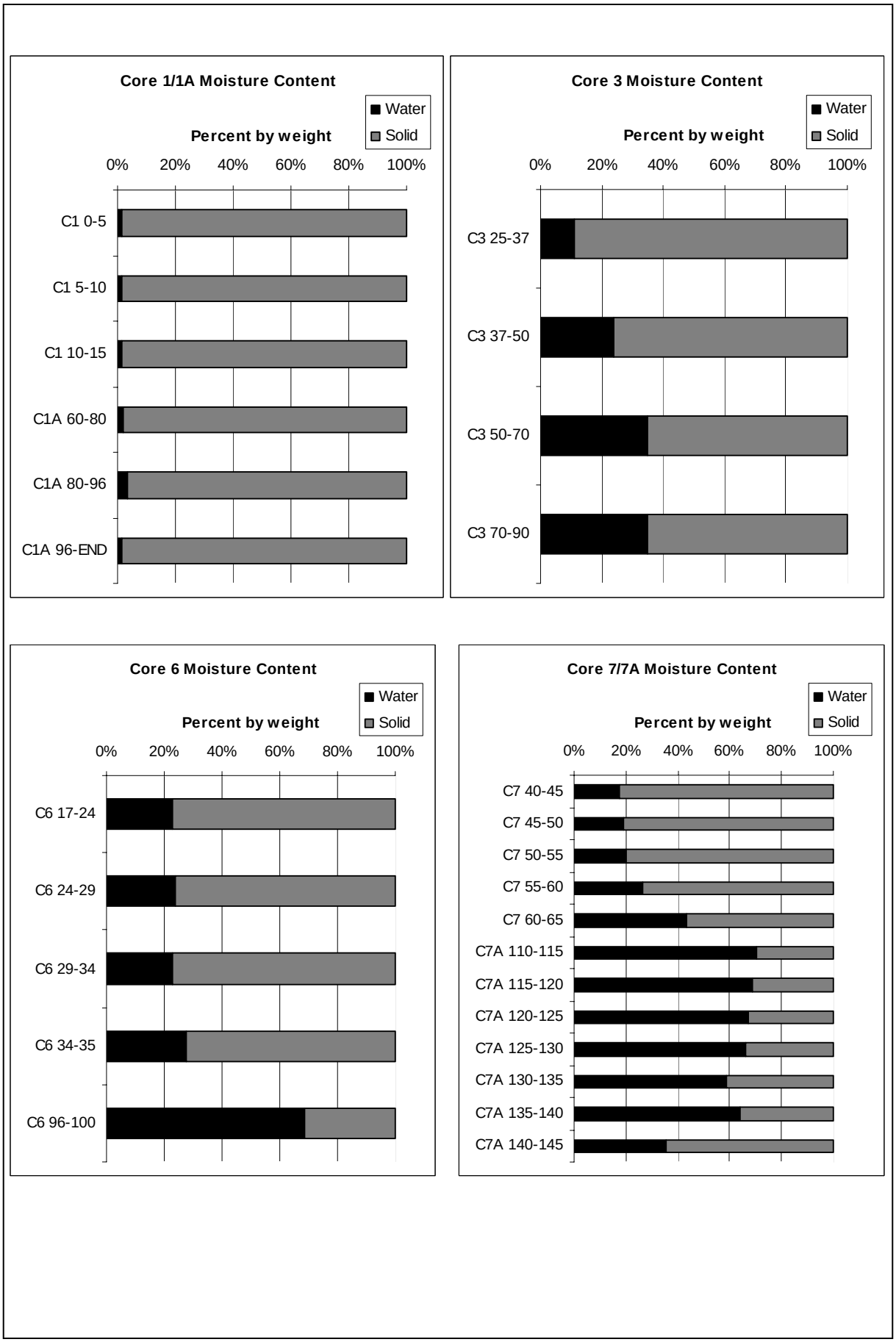


Figure 10.112 Flag Fen Cores, moisture content (MC)

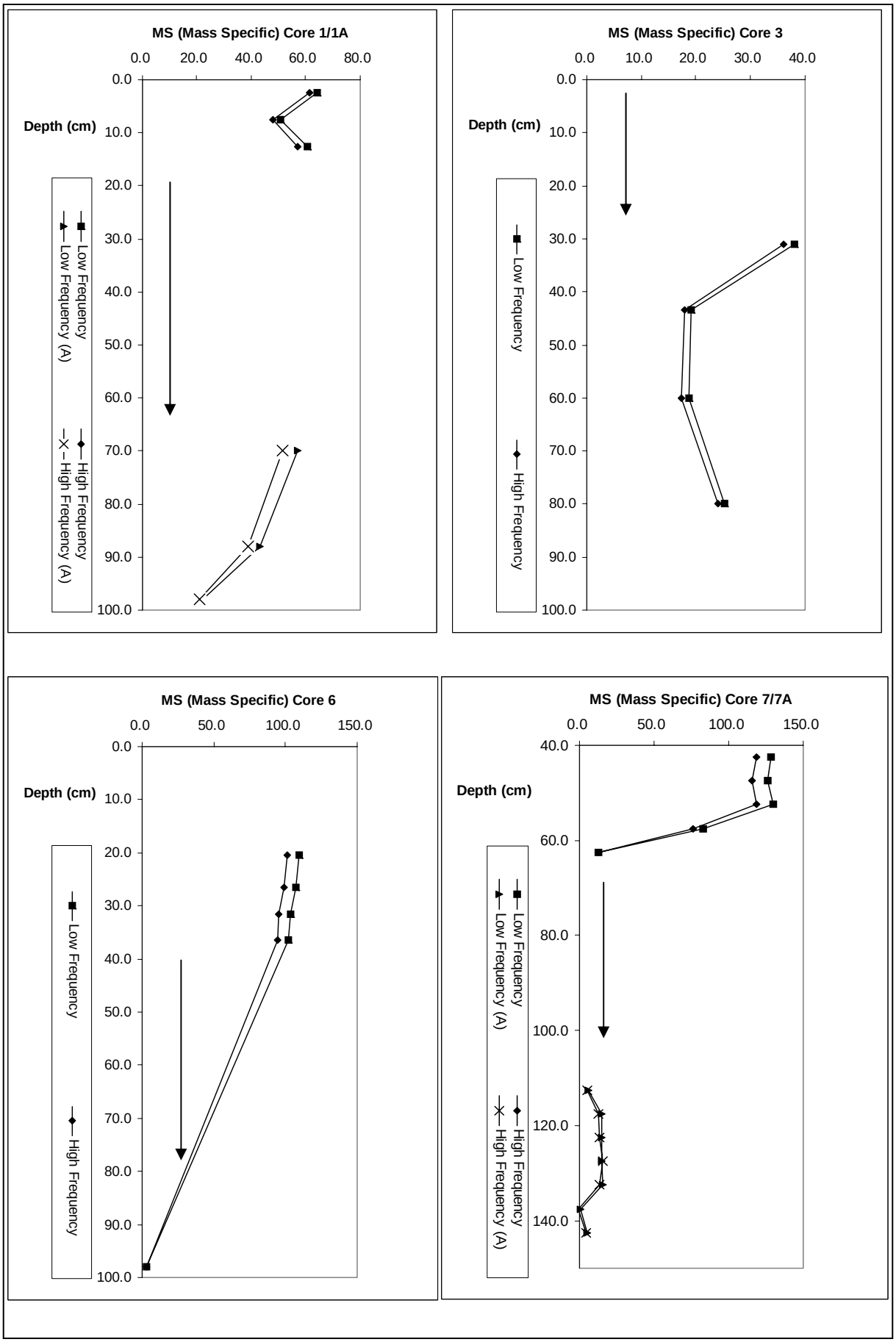


Figure 10.113 Flag Fen Cores, magnetic susceptibility (MS), mass specific

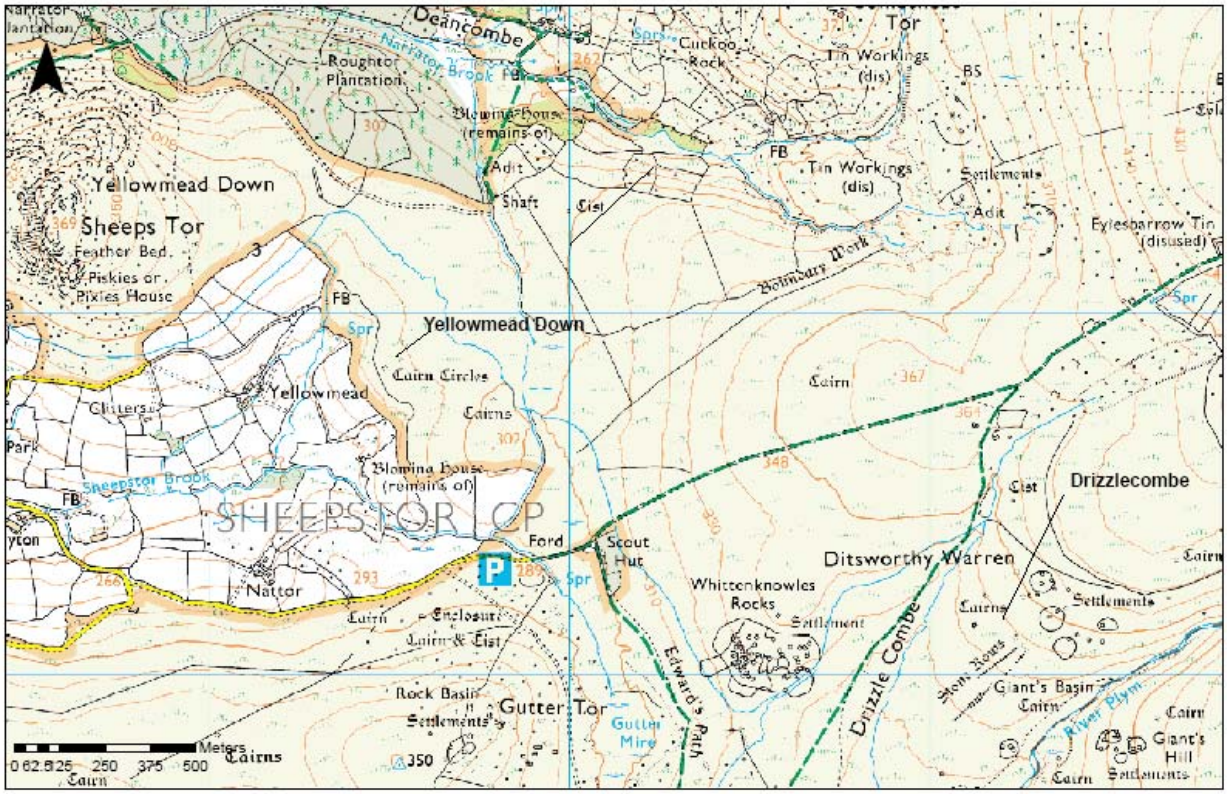


Figure 11.1 Yellowmead Down and Drizzlecombe, West Dartmoor

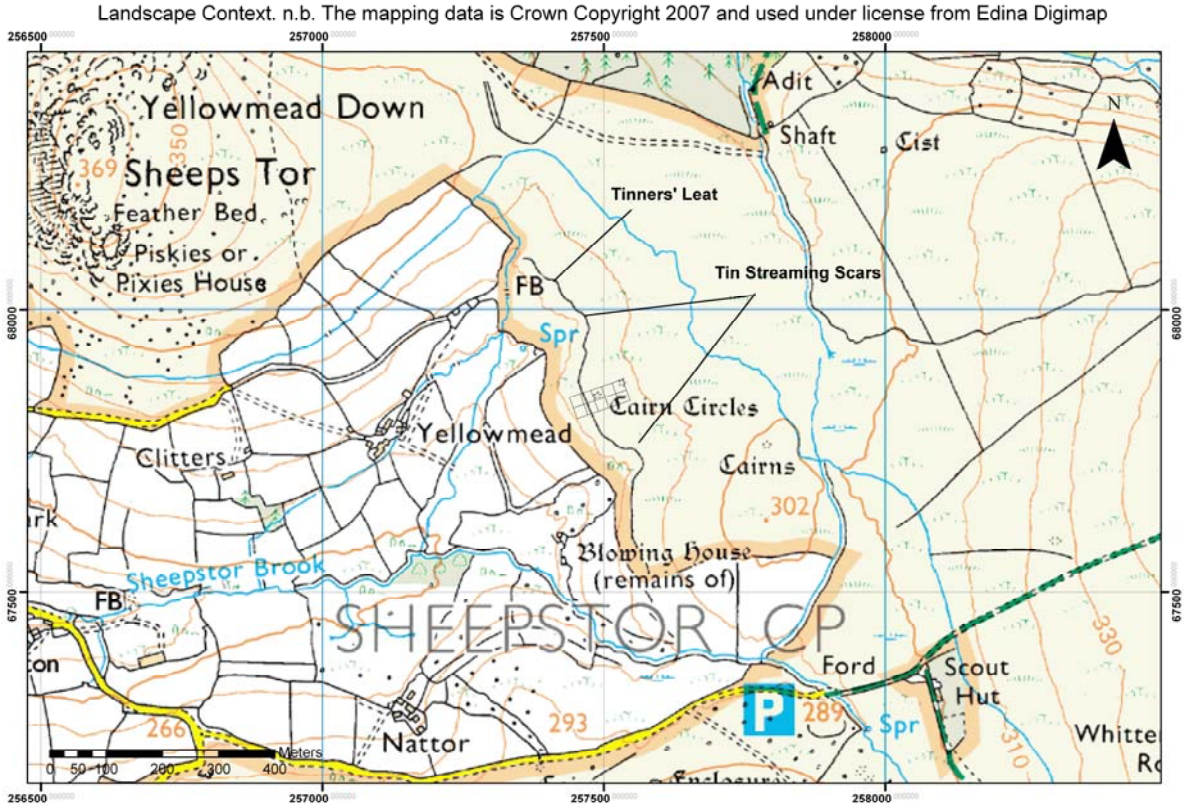


Figure 11.2 Yellowmead Down landscape context and survey area

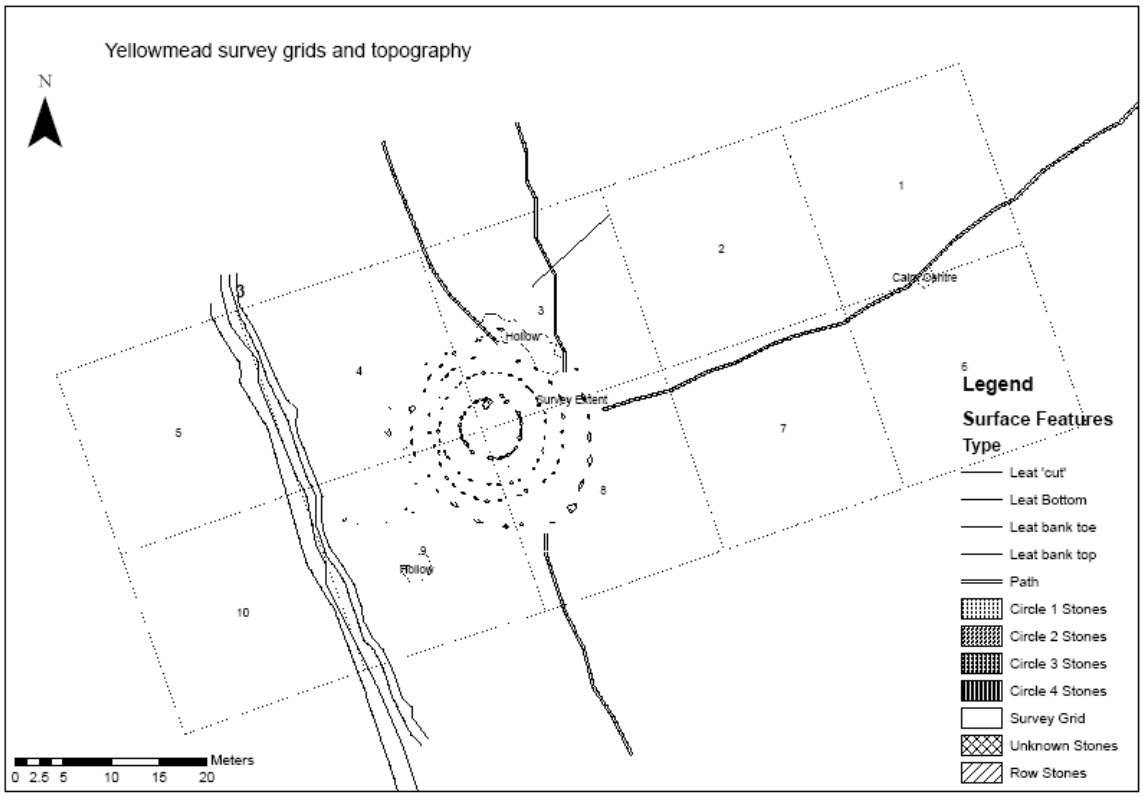


Figure 11.3 Yellowmead grids and immediate survey area

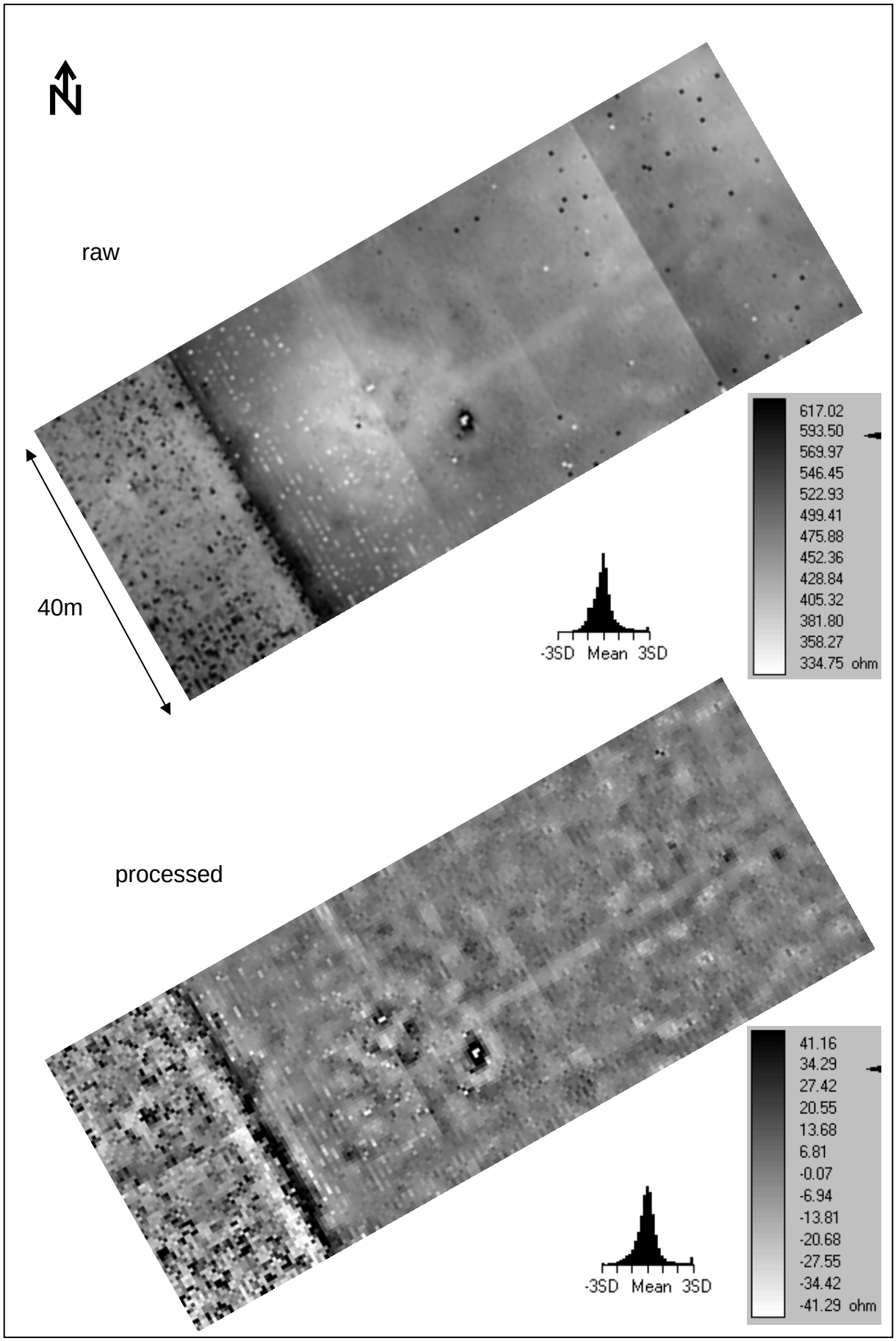


Figure 11.4 Resistivity survey, Yellowmead

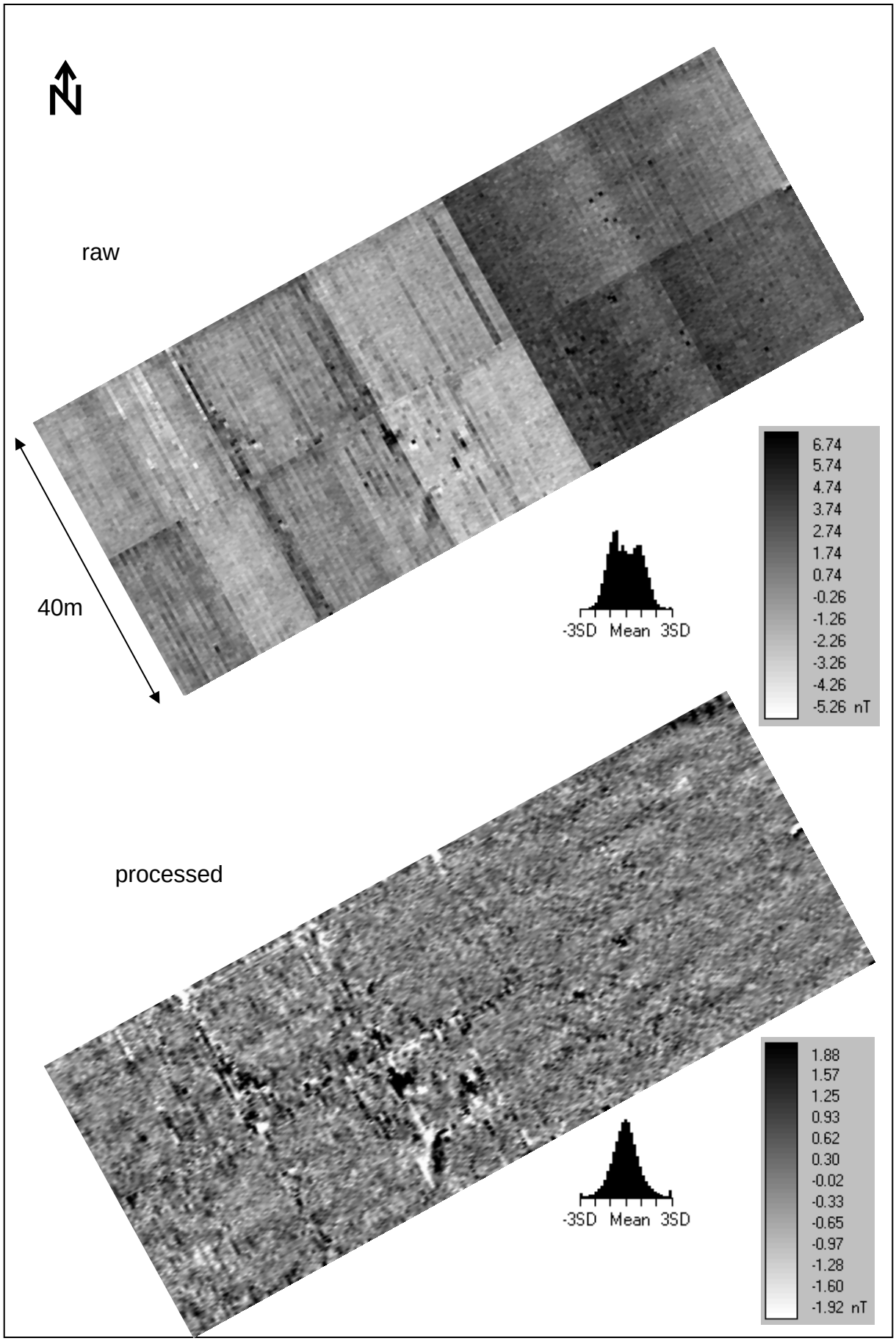


Figure 11.5 Gradiometer survey, Yellowmead

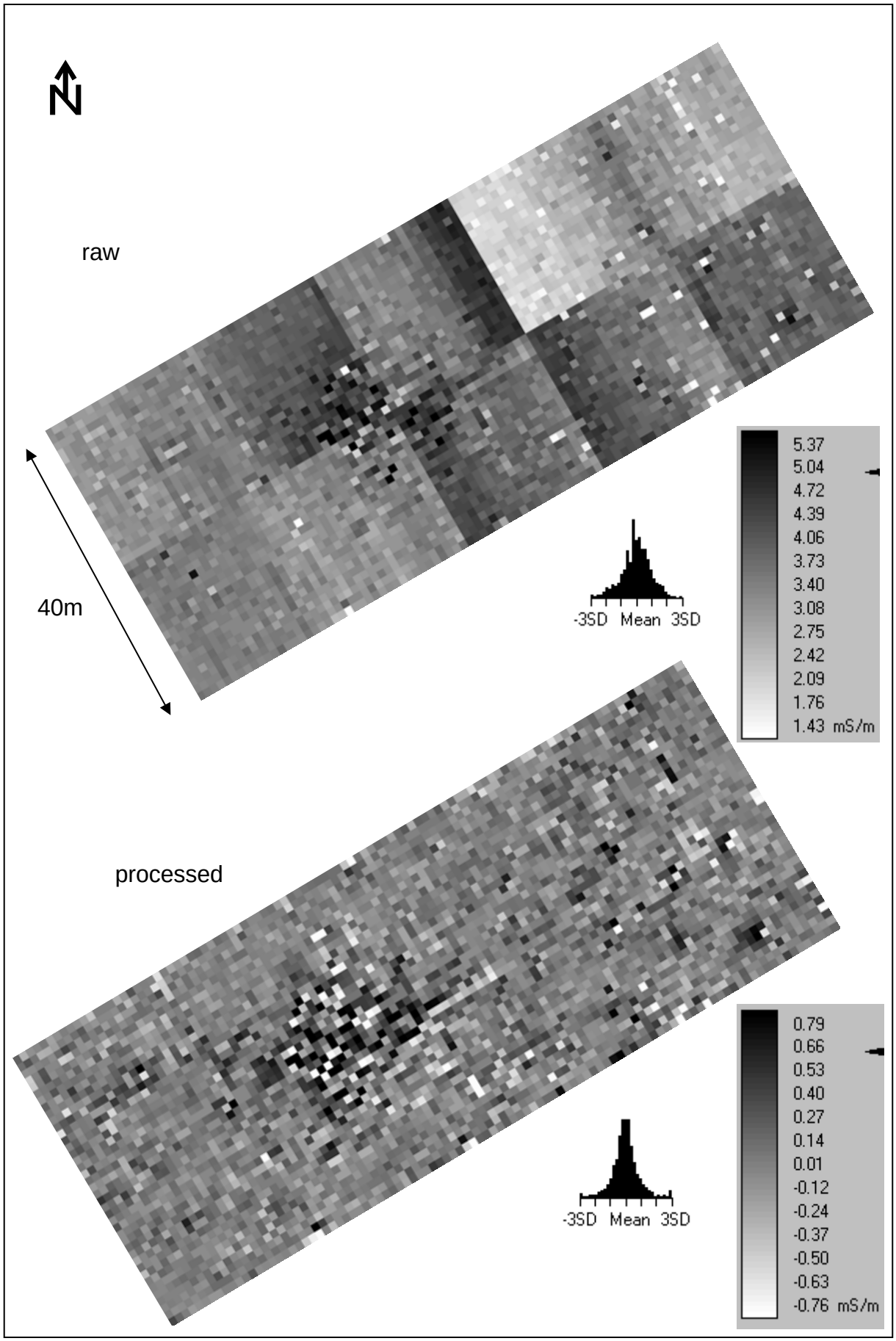


Figure 11.6 Vertical EM quadrature survey, Yellowmead

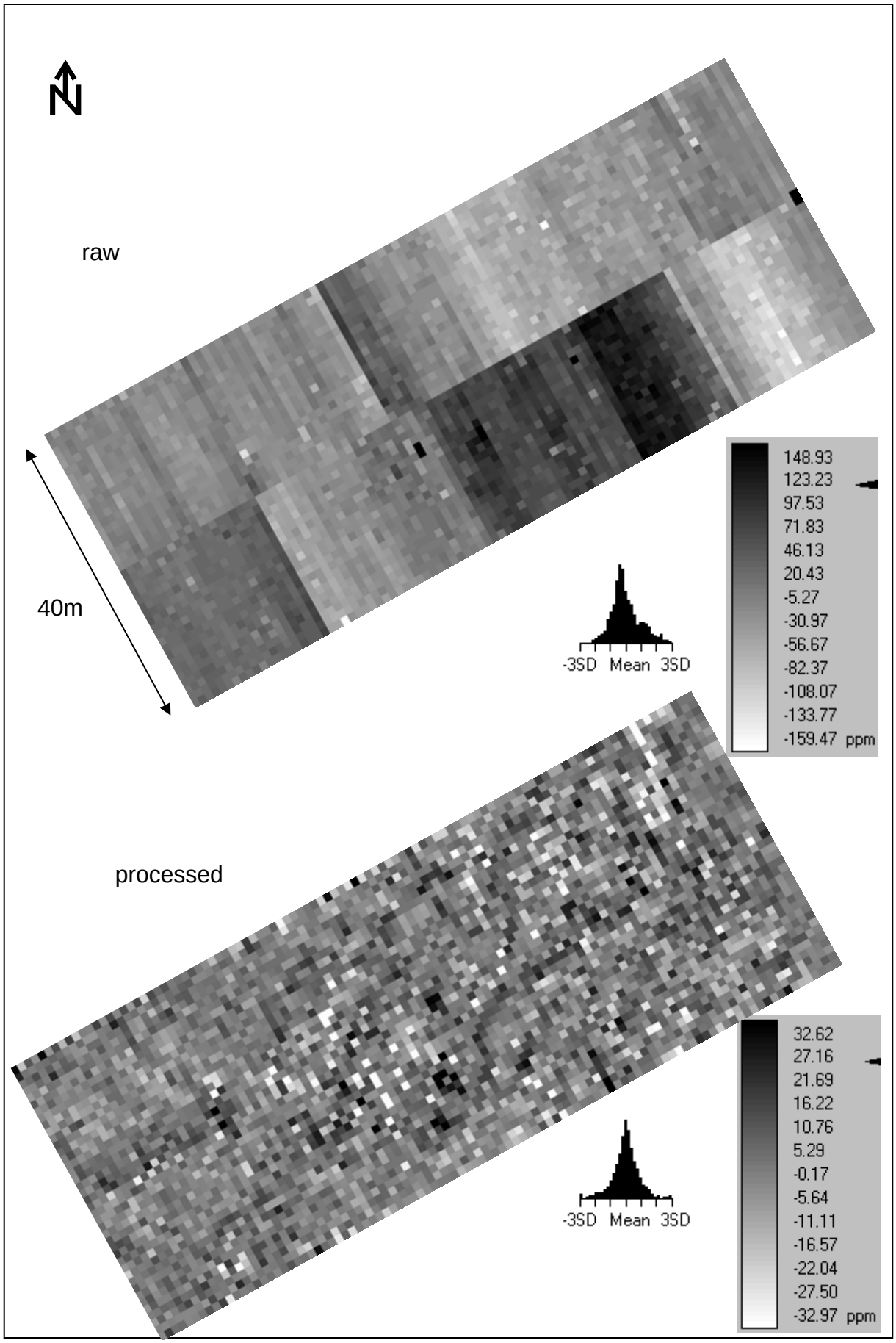
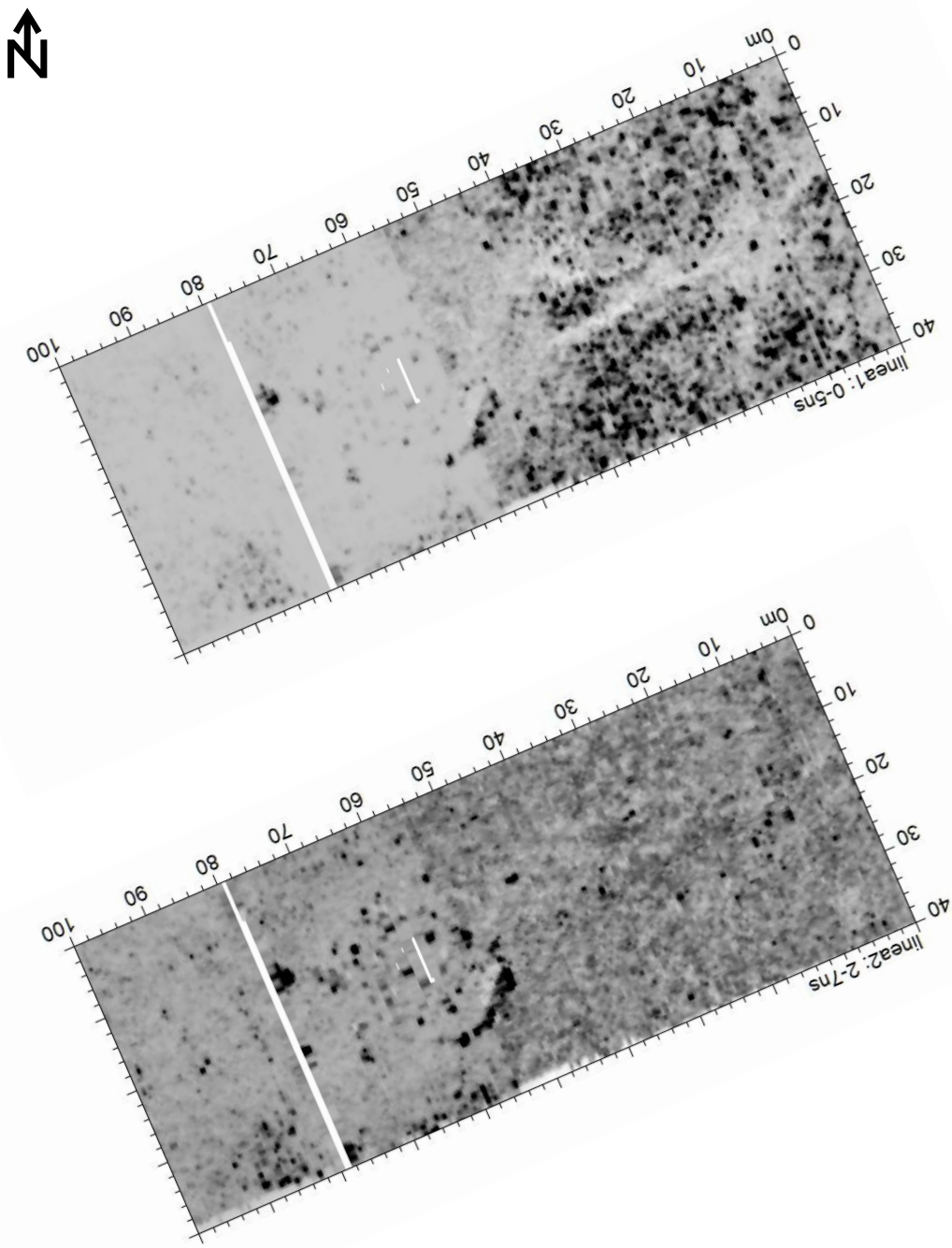


Figure 11.7 Vertical EM inphase survey, Yellowmead

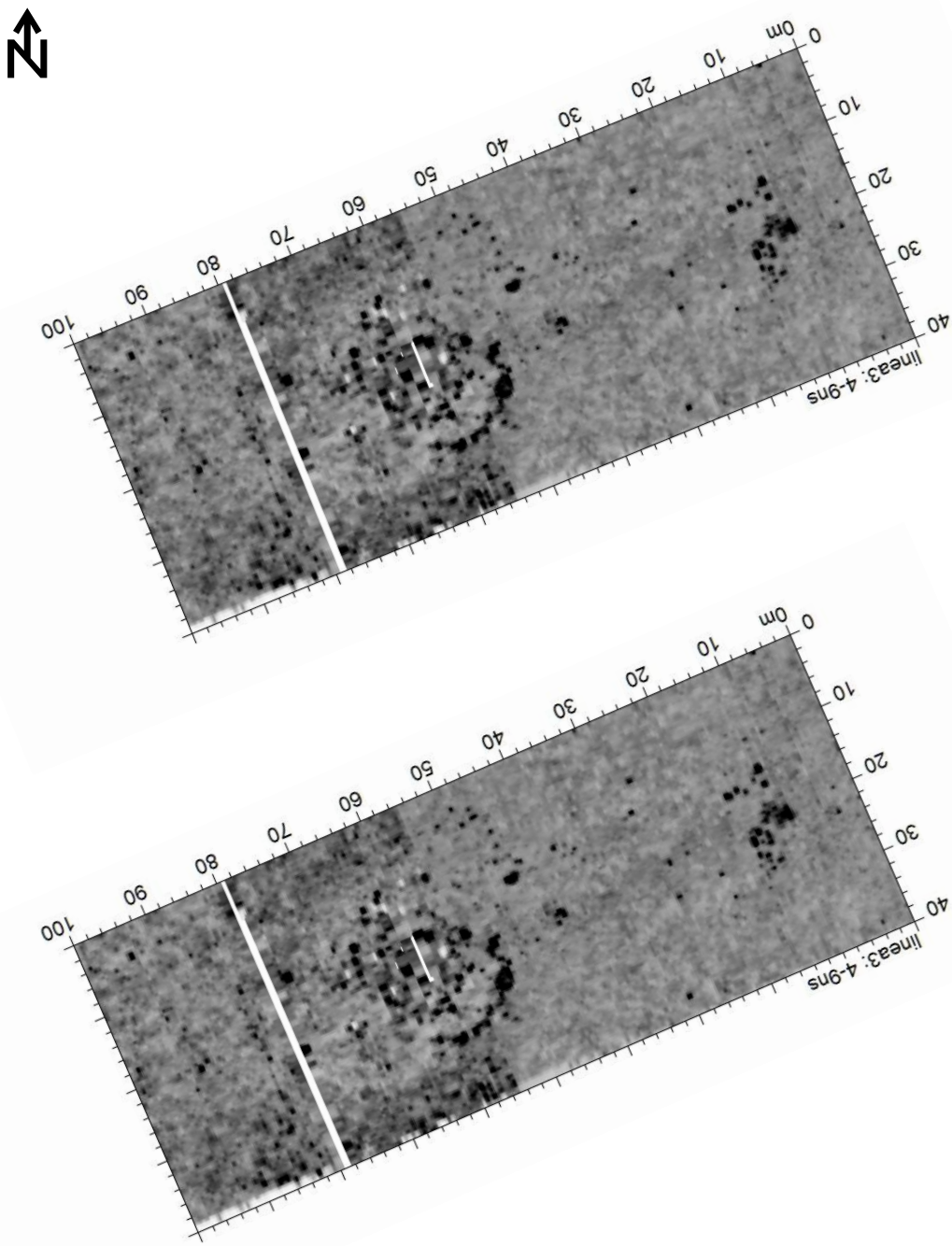
Slice	Time Window (ns)	Pseudo Depth (m)
1	0.-4.58	0.-0.16
2	2.11-6.69	0.07-0.23
3	4.21-8.79	0.15-0.31
4	6.32-10.9	0.22-0.38
5	8.43-13.01	0.29-0.46
6	10.53-15.11	0.37-0.53
7	12.64-17.22	0.44-0.6
8	14.75-19.33	0.52-0.68
9	16.85-21.43	0.59-0.75
10	18.96-23.54	0.66-0.82
11	21.07-25.65	0.74-0.9
12	23.18-27.76	0.81-0.97
13	25.28-29.86	0.88-1.05
14	27.39-31.97	0.96-1.12
15	29.5-34.08	1.03-1.19
16	31.6-36.18	1.11-1.27
17	33.71-38.29	1.18-1.34
18	35.82-40.4	1.25-1.41
19	37.92-42.5	1.33-1.49
20	40.03-44.61	1.4-1.56
21	42.14-46.72	1.47-1.64
22	44.24-48.82	1.55-1.71
23	46.35-50.93	1.62-1.78
24	48.46-53.04	1.7-1.86
25	50.56-55.14	1.77-1.93
26	52.67-57.25	1.84-2.
27	54.78-59.36	1.92-2.08
28	56.88-61.46	1.99-2.15
29	58.99-63.21	2.06-2.21
30	61.1-63.21	2.14-2.21

Figure 11.8 500MHz radar survey depth estimates, Yellowmead



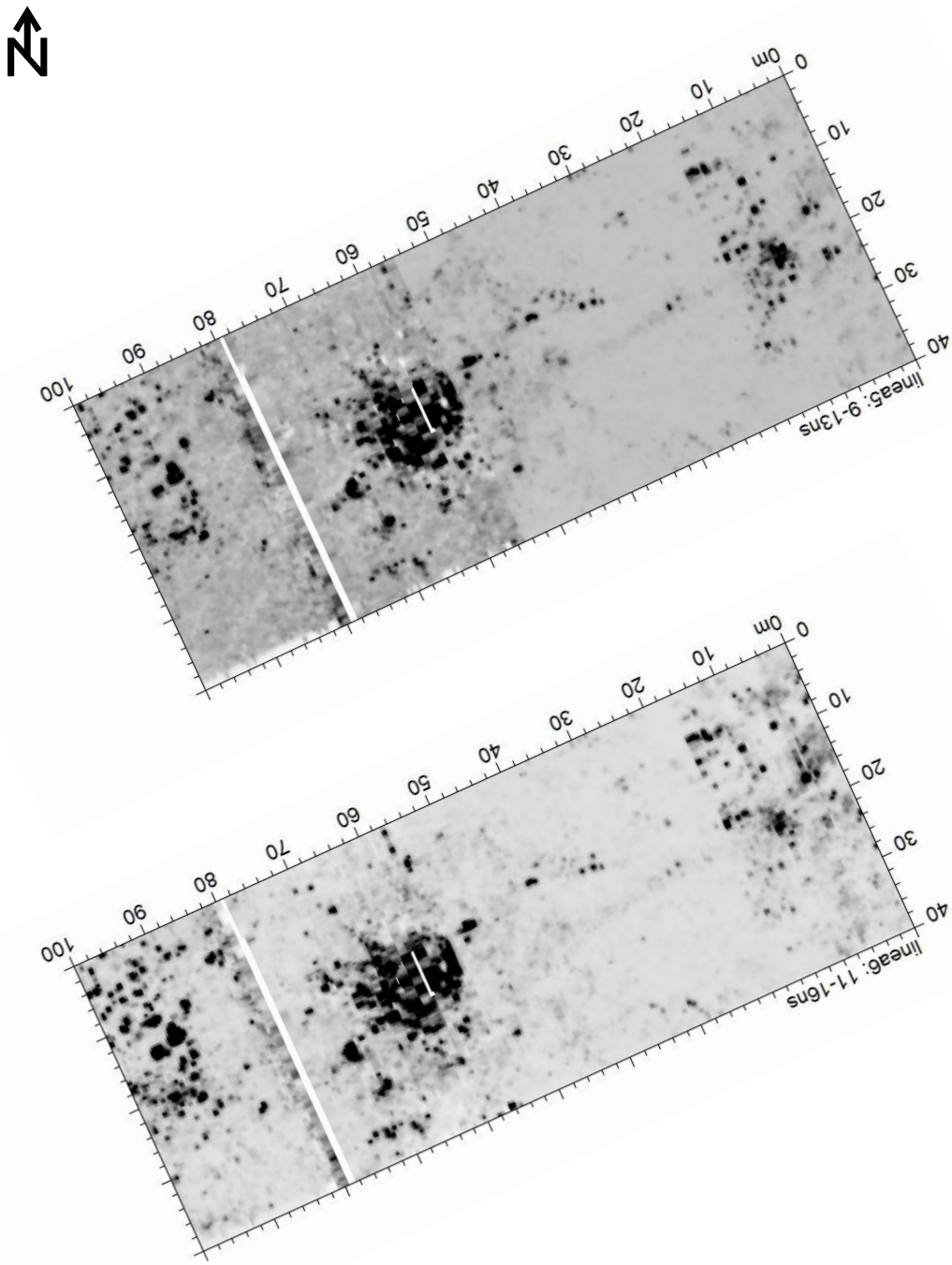
Scales in metres. Darker colour indicates higher amplitude response.

Figure 11.9 500MHz radar survey, timeslices 1 and 2, Yellowmead



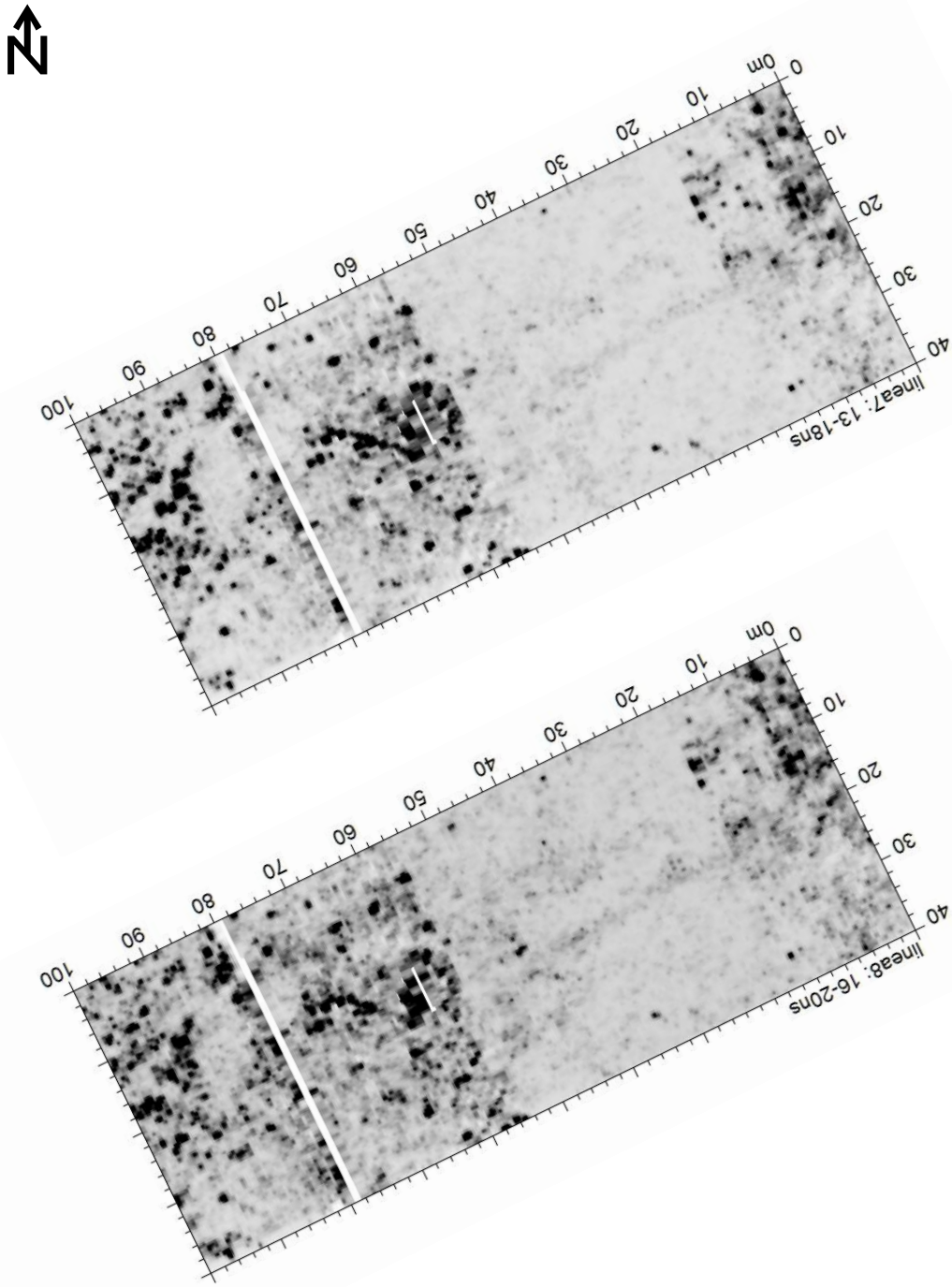
Scales in metres. Darker colour indicates higher amplitude response.

Figure 11.10 500MHz radar survey, timeslices 3 and 4, Yellowmead



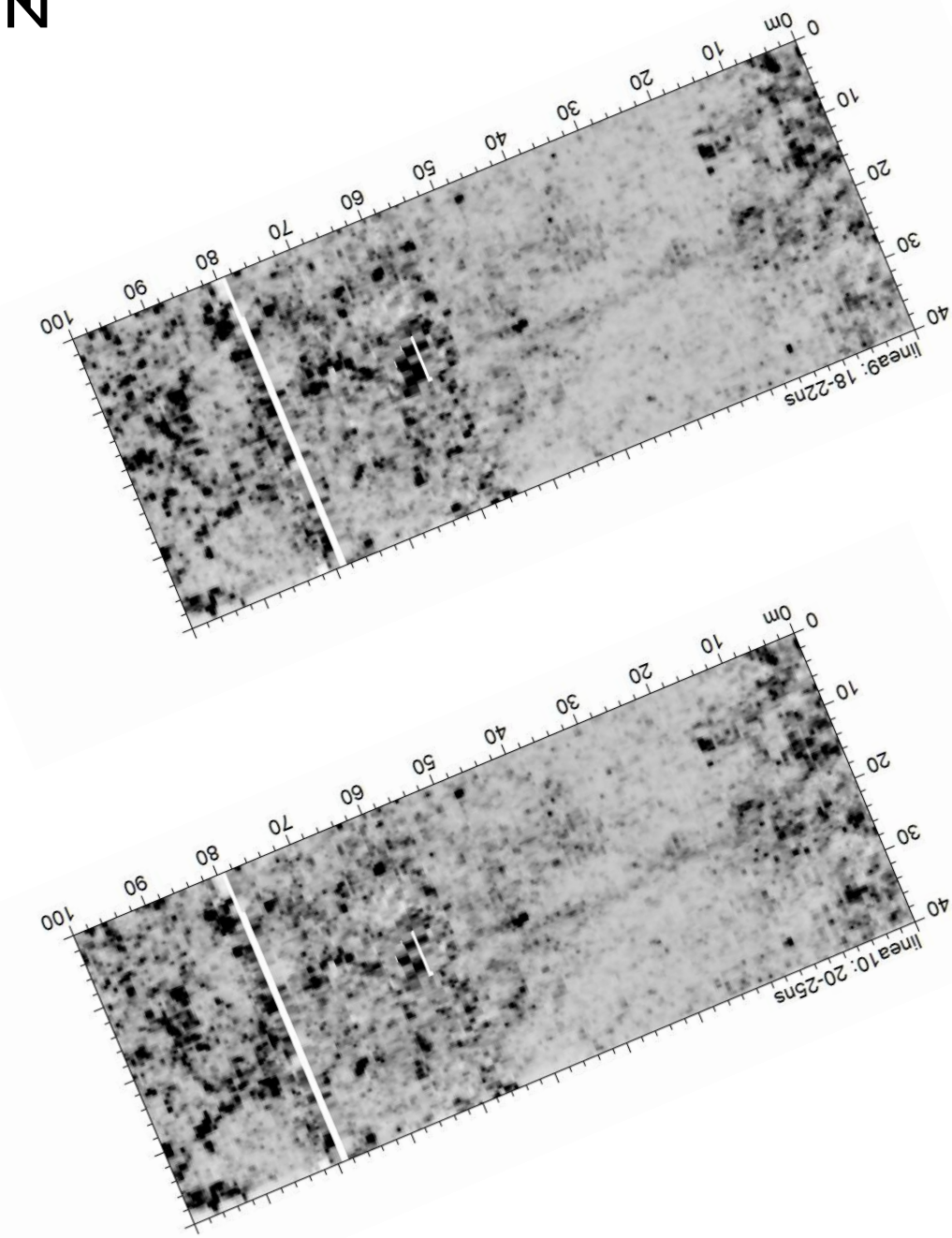
Scales in metres. Darker colour indicates higher amplitude response.

Figure 11.11 500MHz radar survey, timeslices 5 and 6, Yellowmead



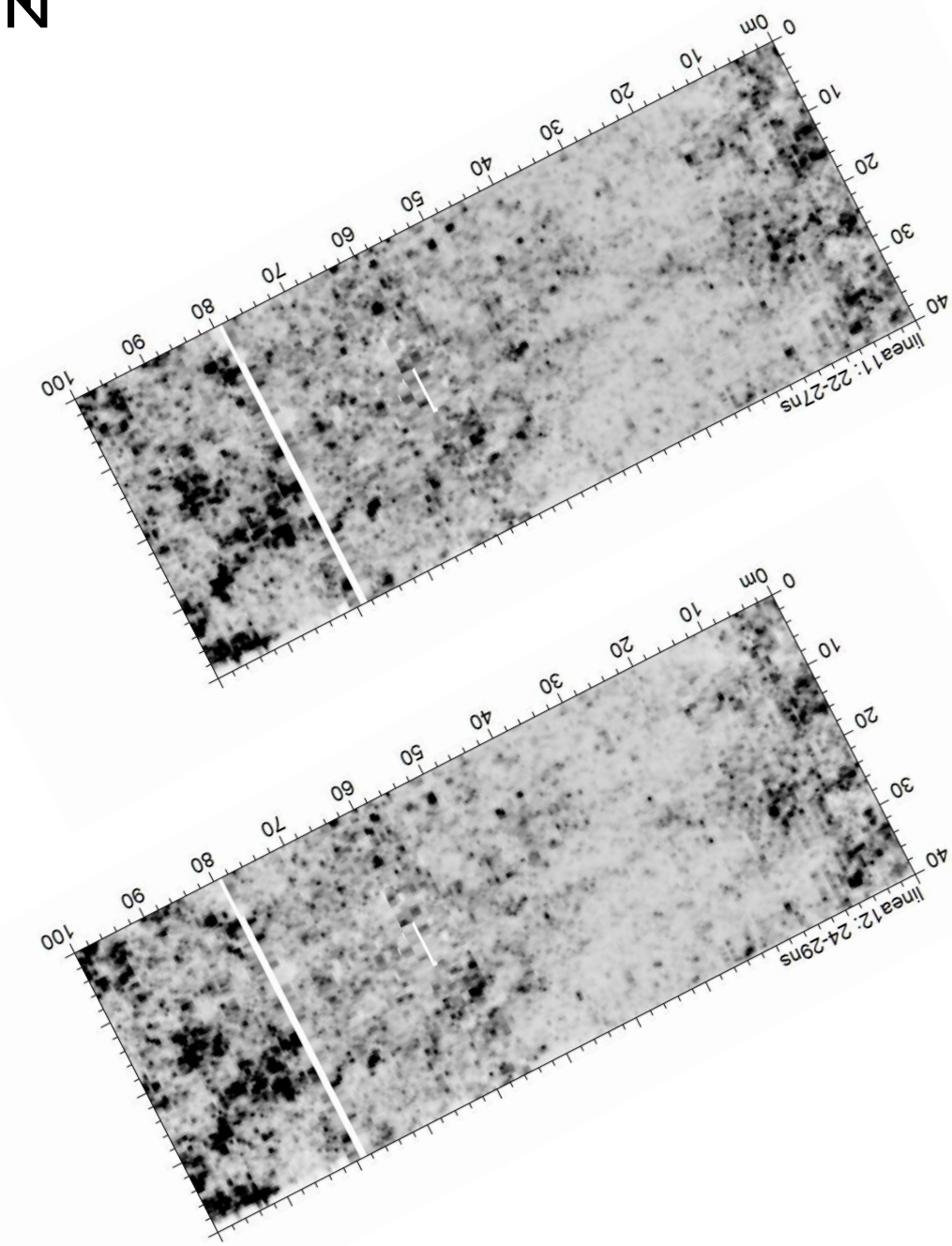
Scales in metres. Darker colour indicates higher amplitude response.

Figure 11.12 500MHz radar survey, timeslices 7 and 8, Yellowmead



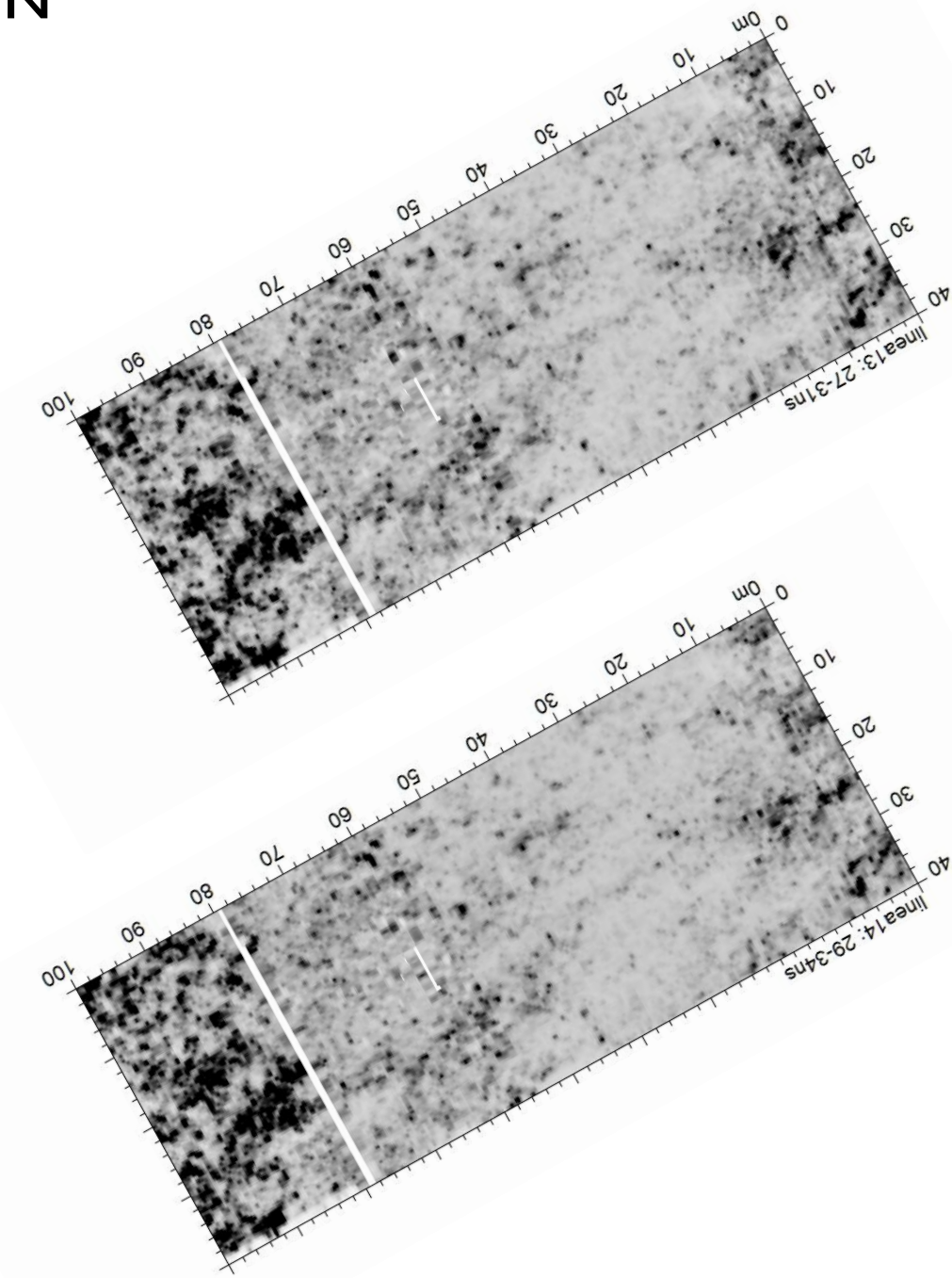
Scales in metres. Darker colour indicates higher amplitude response.

Figure 11.13 500MHz radar survey, timeslices 9 and 10, Yellowmead



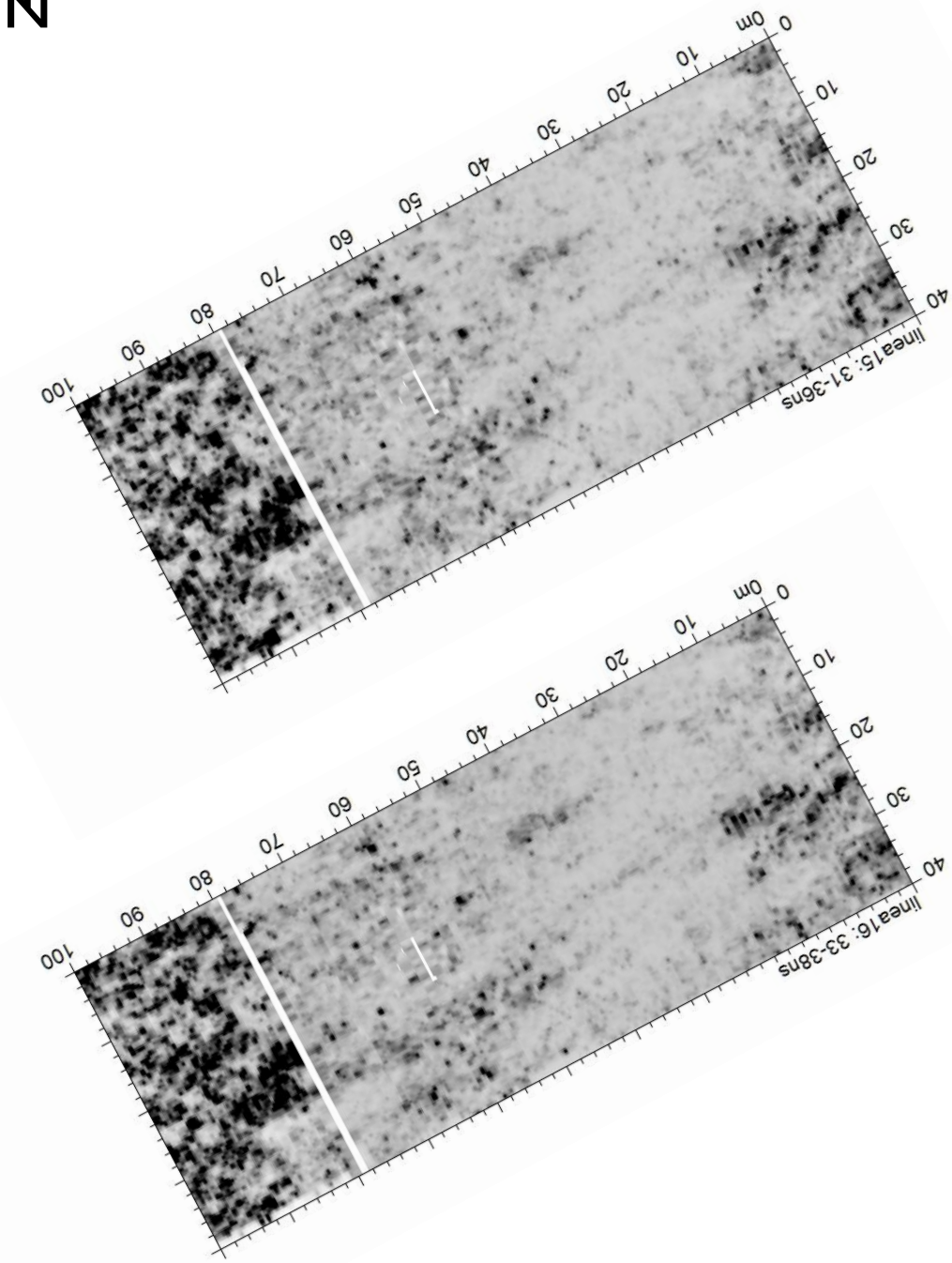
Scales in metres. Darker colour indicates higher amplitude response.

Figure 11.14 500MHz radar survey, timeslices 11 and 12, Yellowmead



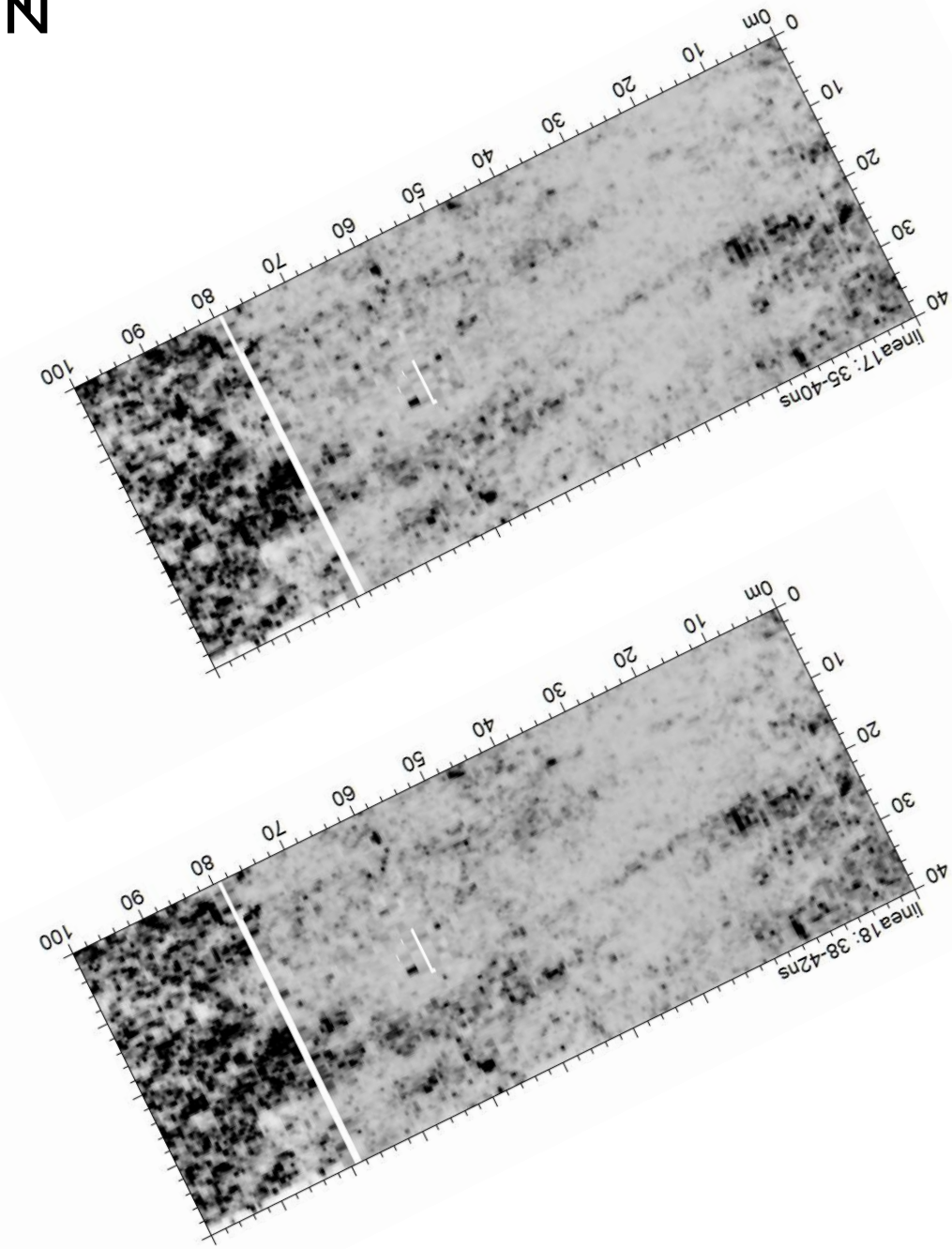
Scales in metres. Darker colour indicates higher amplitude response.

Figure 11.15 500MHz radar survey, timeslices 13 and 14, Yellowmead



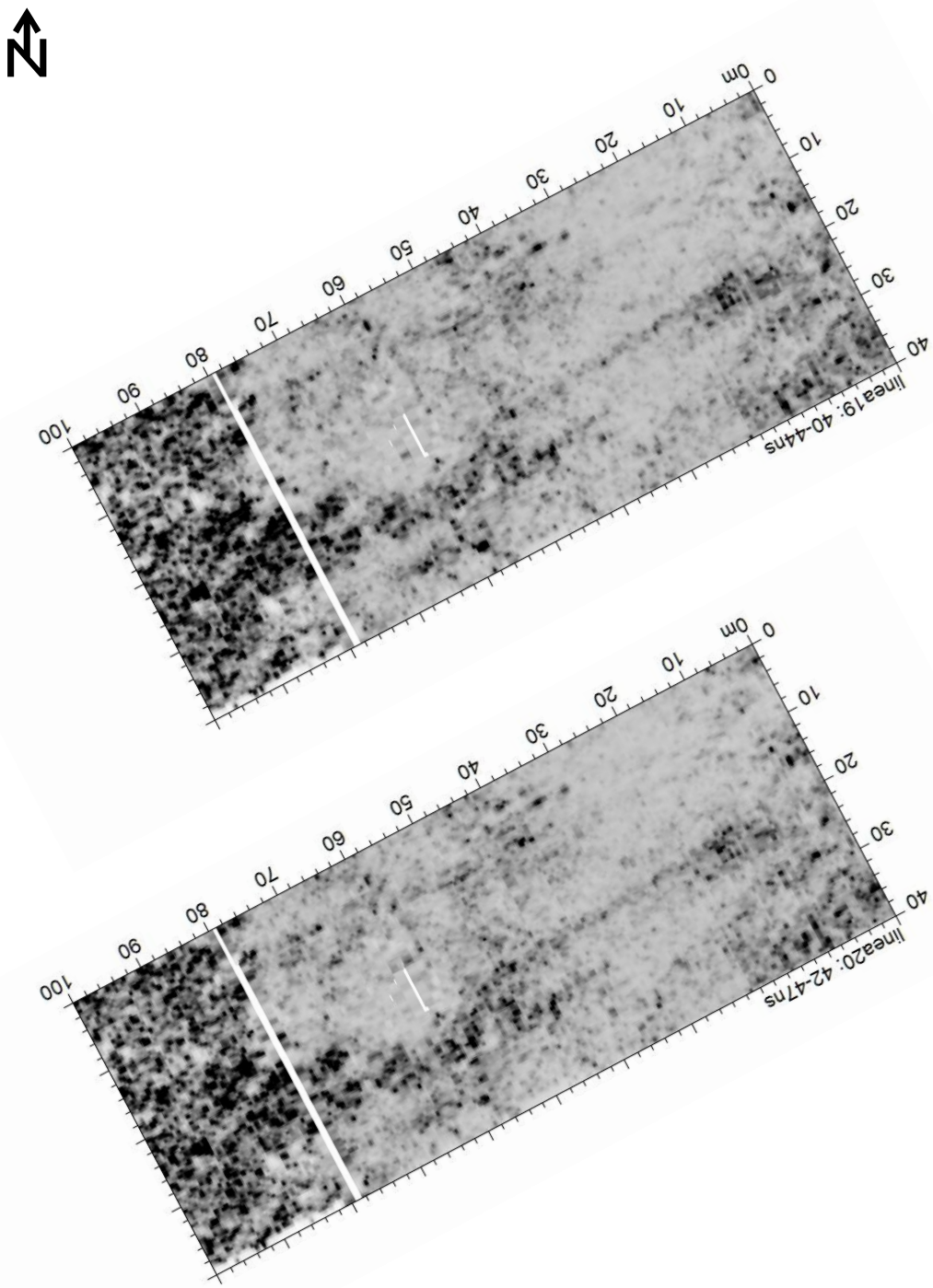
Scales in metres. Darker colour indicates higher amplitude response.

Figure 11.16 500MHz radar survey, timeslices 15 and 16, Yellowmead



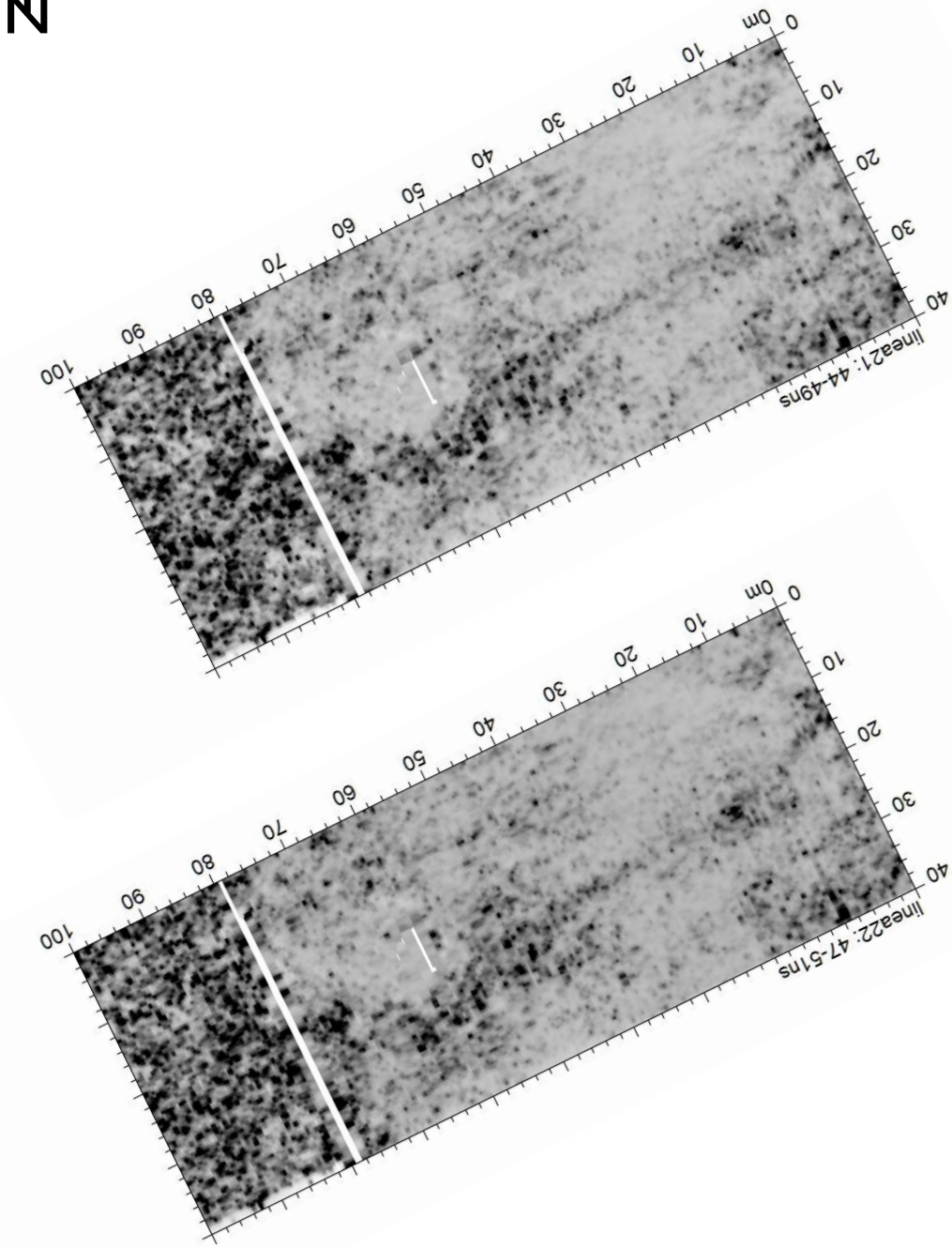
Scales in metres. Darker colour indicates higher amplitude response.

Figure 11.17 500MHz radar survey, timeslices 17 and 18, Yellowmead



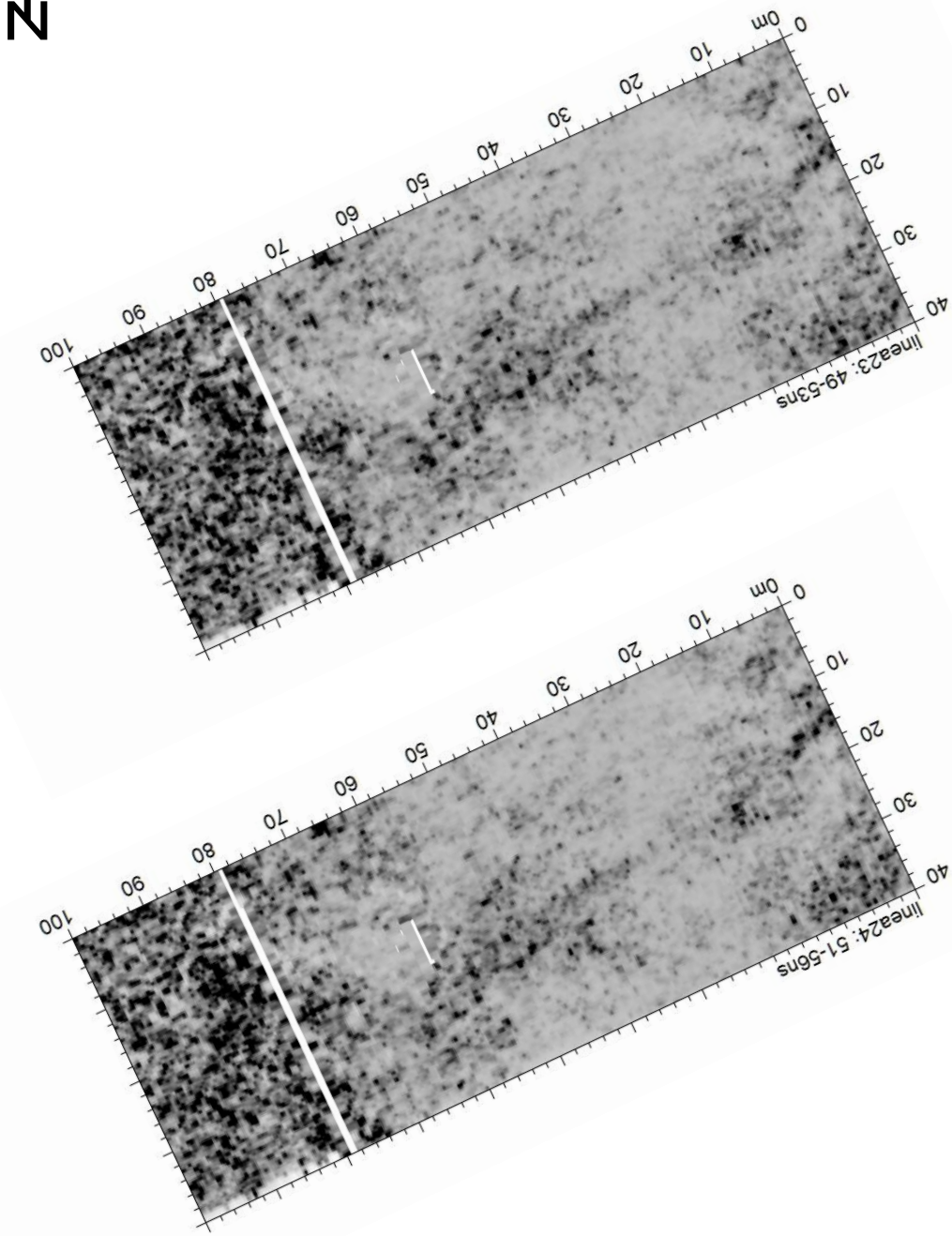
Scales in metres. Darker colour indicates higher amplitude response.

Figure 11.18 500MHz radar survey, timeslices 19 and 20, Yellowmead



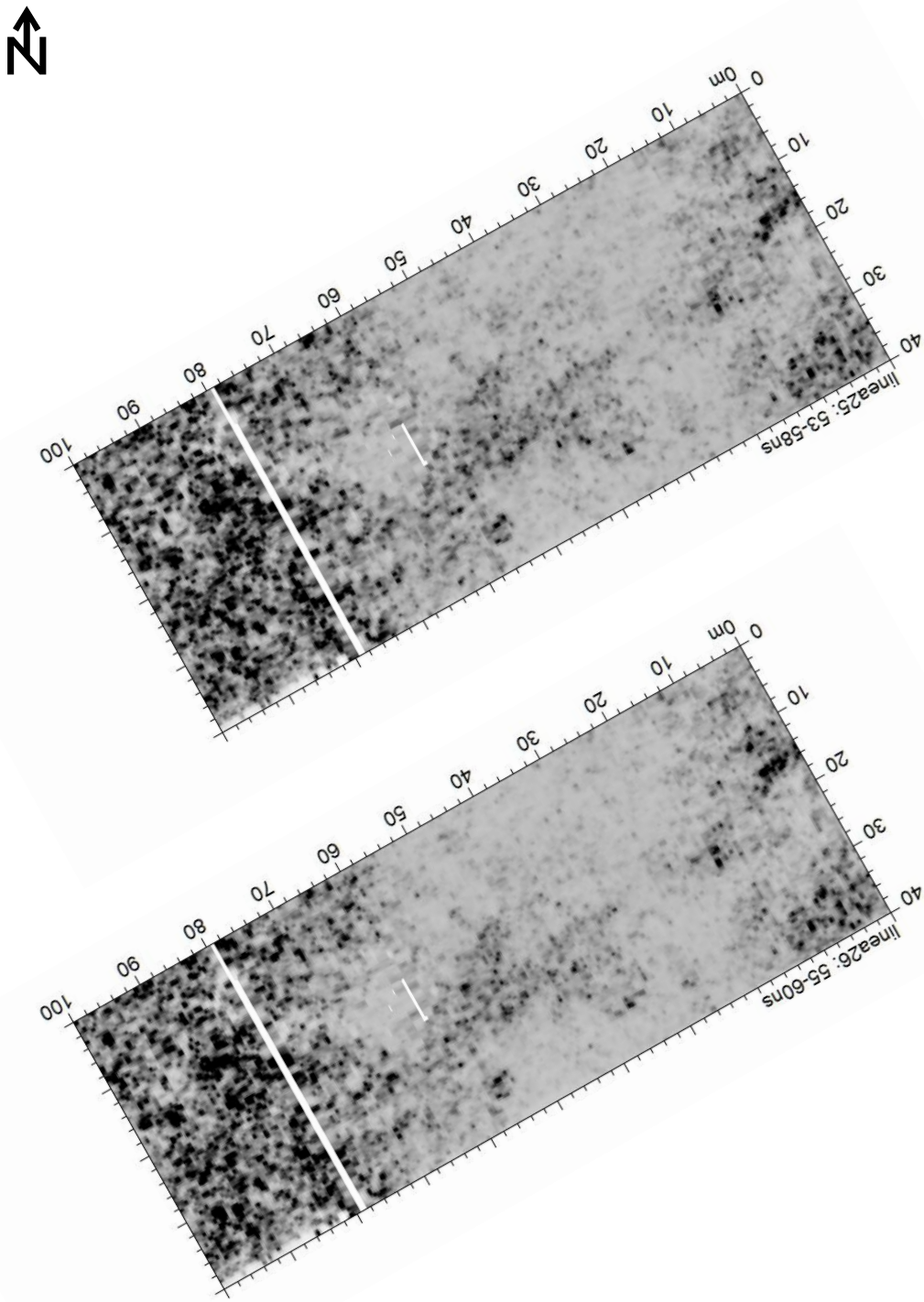
Scales in metres. Darker colour indicates higher amplitude response.

Figure 11.19 500MHz radar survey, timeslices 21 and 22, Yellowmead



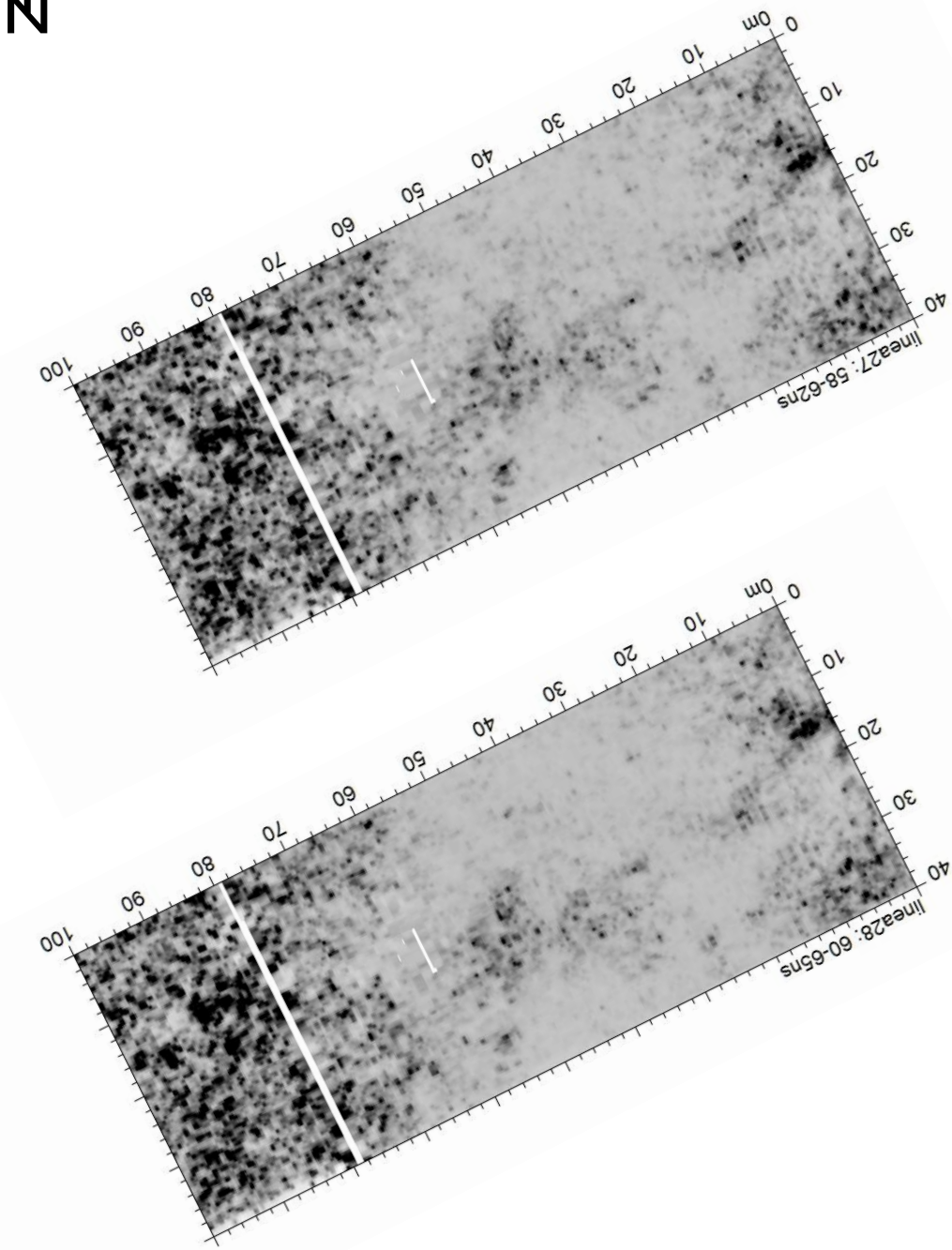
Scales in metres. Darker colour indicates higher amplitude response.

Figure 11.20 500MHz radar survey, timeslices 23 and 24, Yellowmead



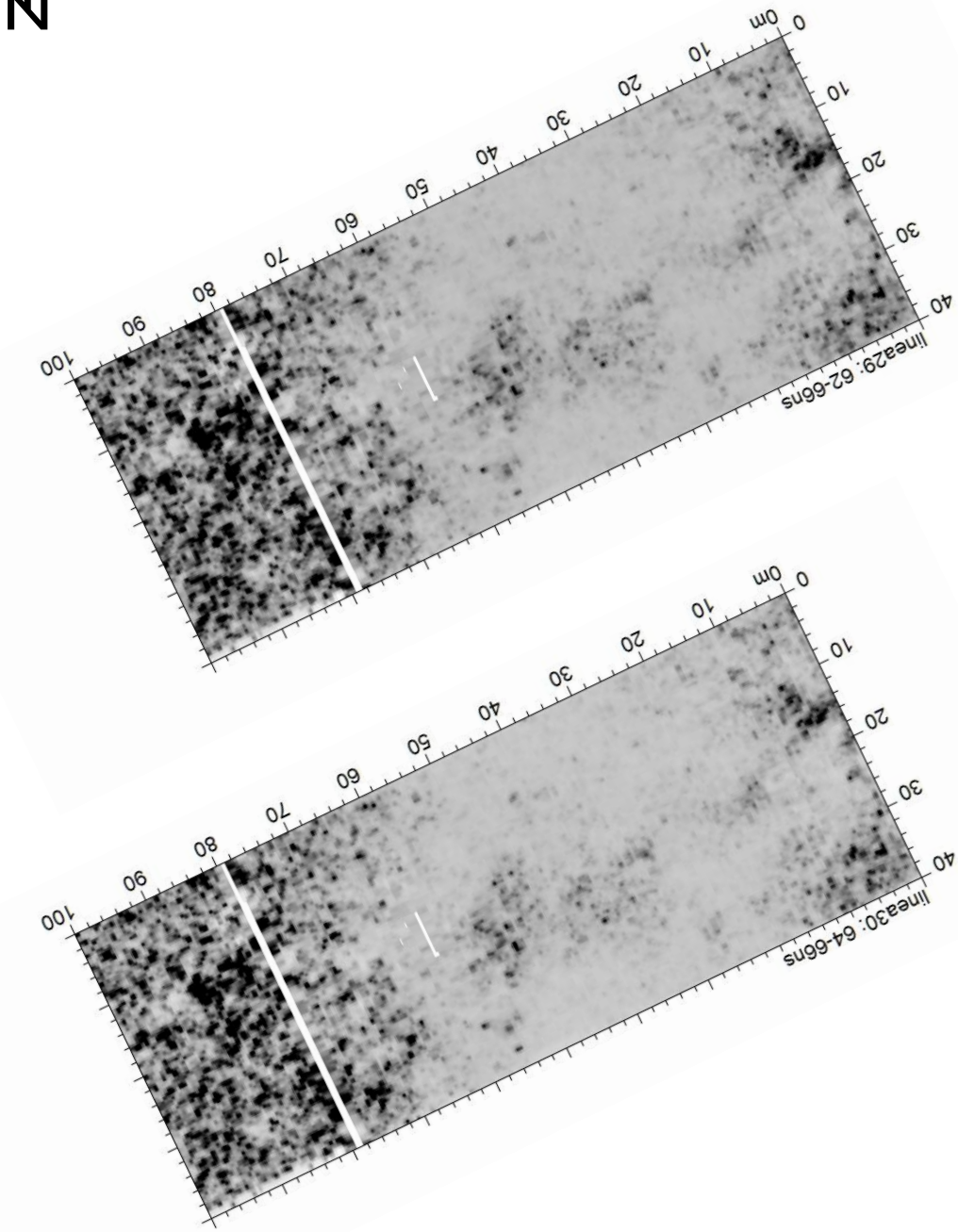
Scales in metres. Darker colour indicates higher amplitude response.

Figure 11.21 500MHz radar survey, timeslices 25 and 26, Yellowmead



Scales in metres. Darker colour indicates higher amplitude response.

Figure 11.22 500MHz radar survey, timeslices 27 and 28, Yellowmead



Scales in metres. Darker colour indicates higher amplitude response.

Figure 11.23 500MHz radar survey, timeslices 29 and 30, Yellowmead

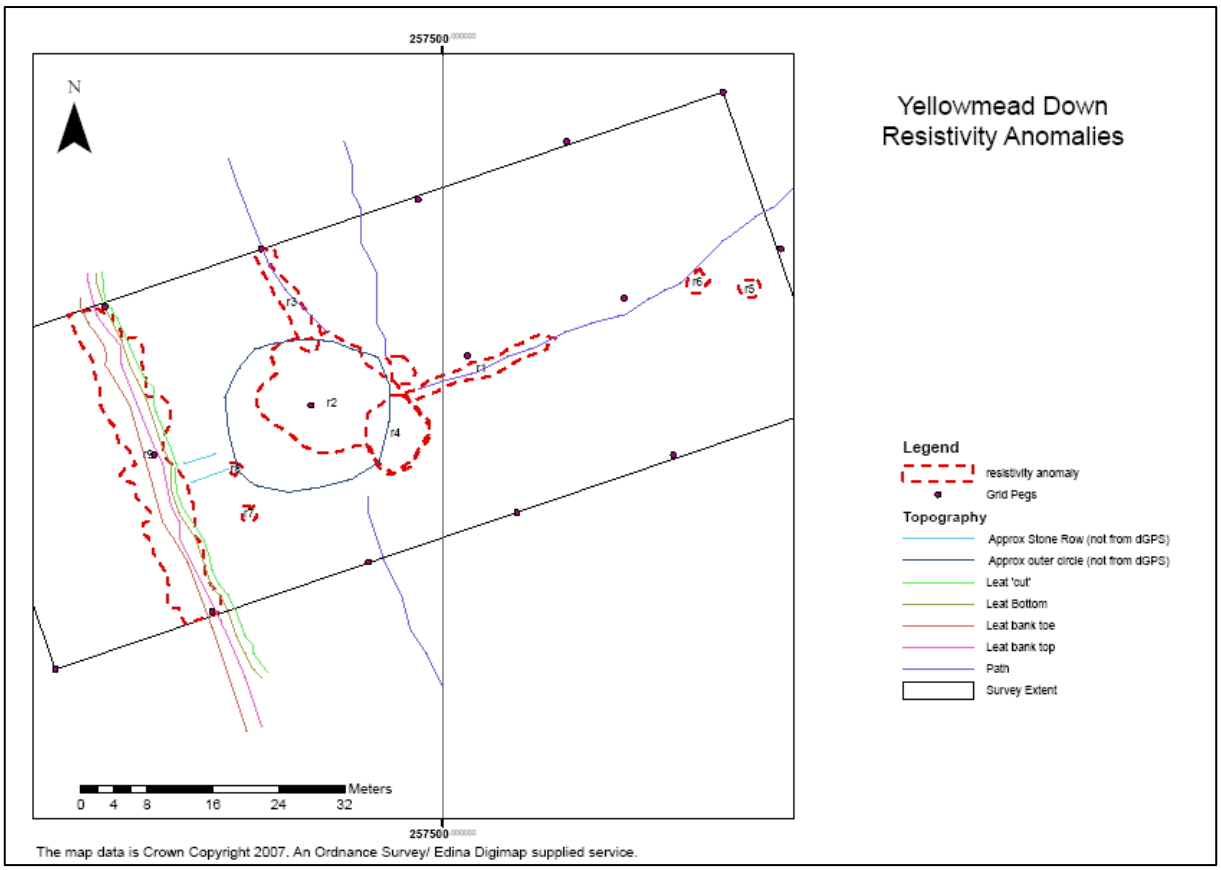


Figure 11.24 Resistivity interpretation, Yellowmead

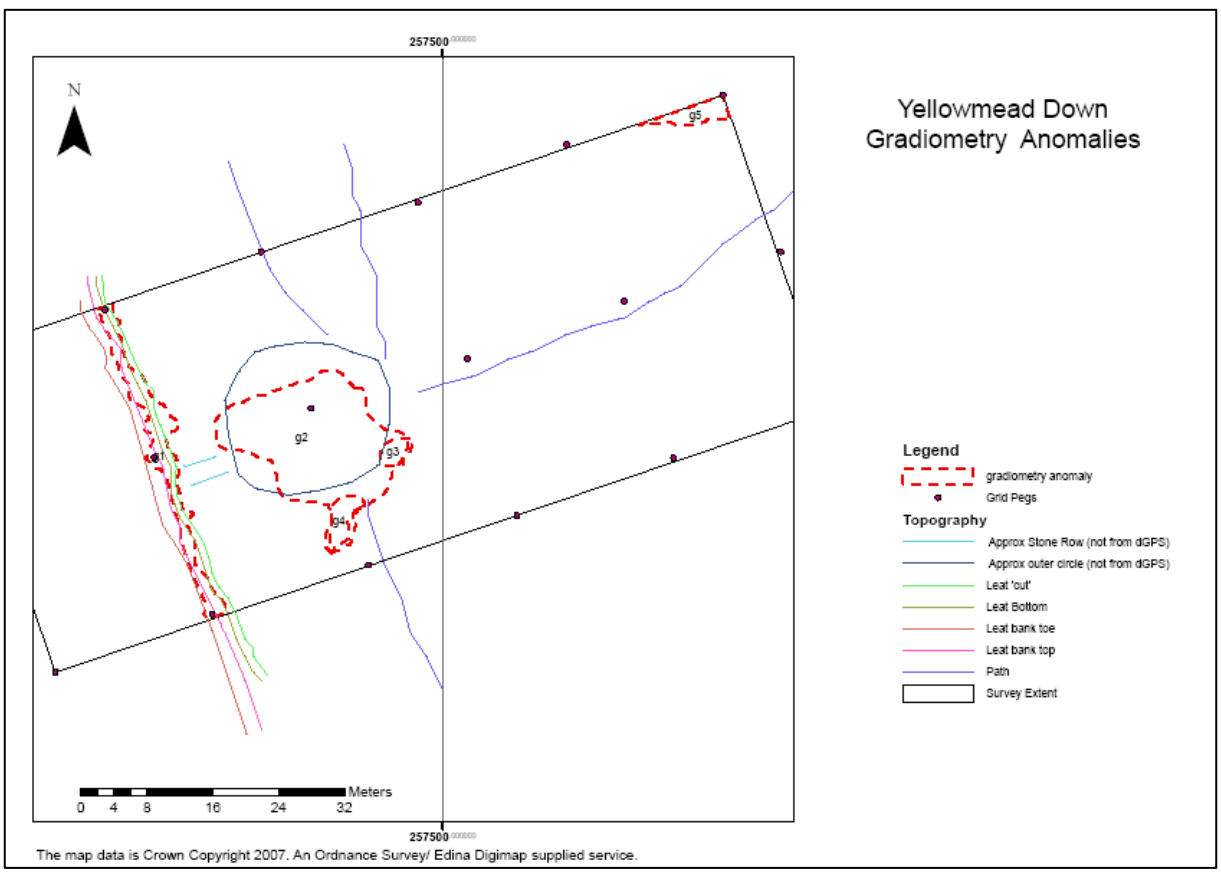


Figure 11.25: Gradiometry interpretation, Yellowmead

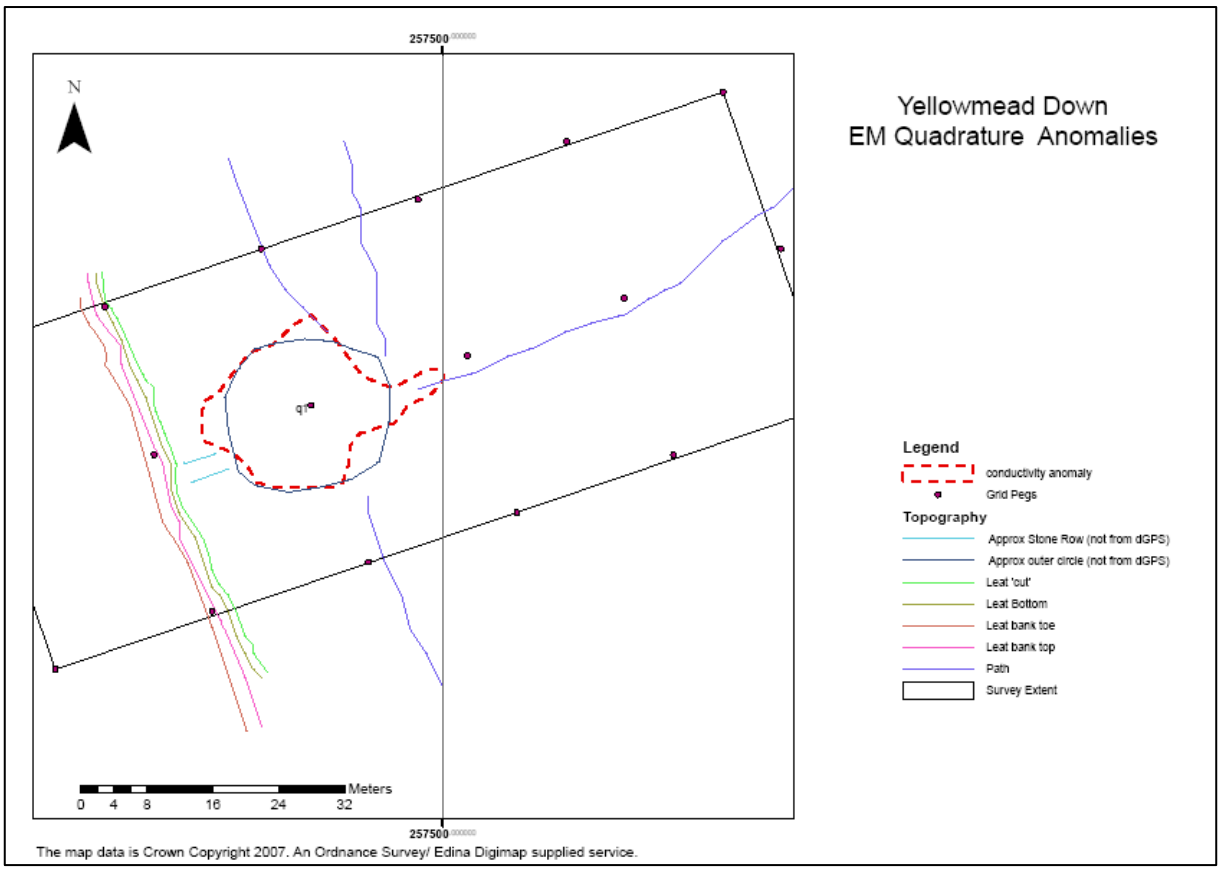


Figure 11.26 Vertical EM quadrature interpretation, Yellowmead

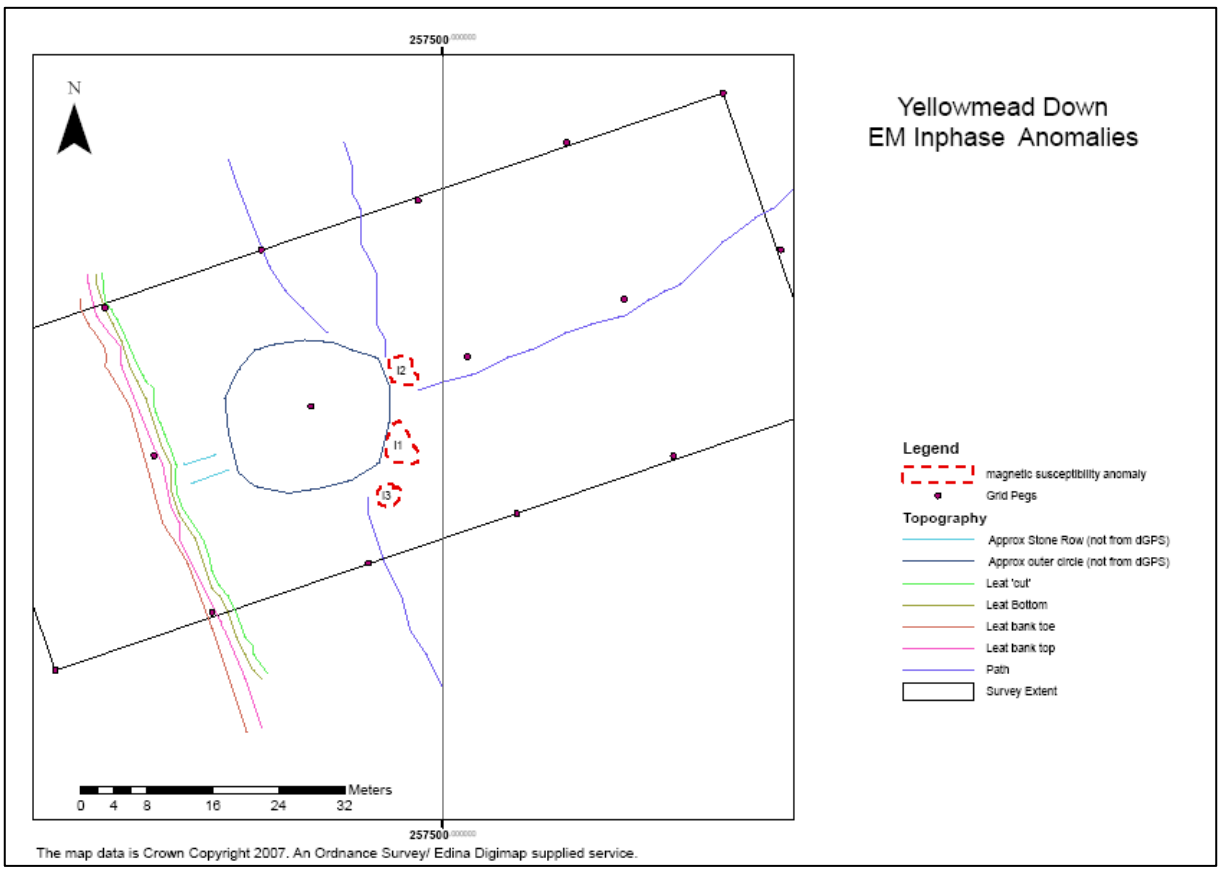


Figure 11.27: Vertical EM inphase interpretation, Yellowmead

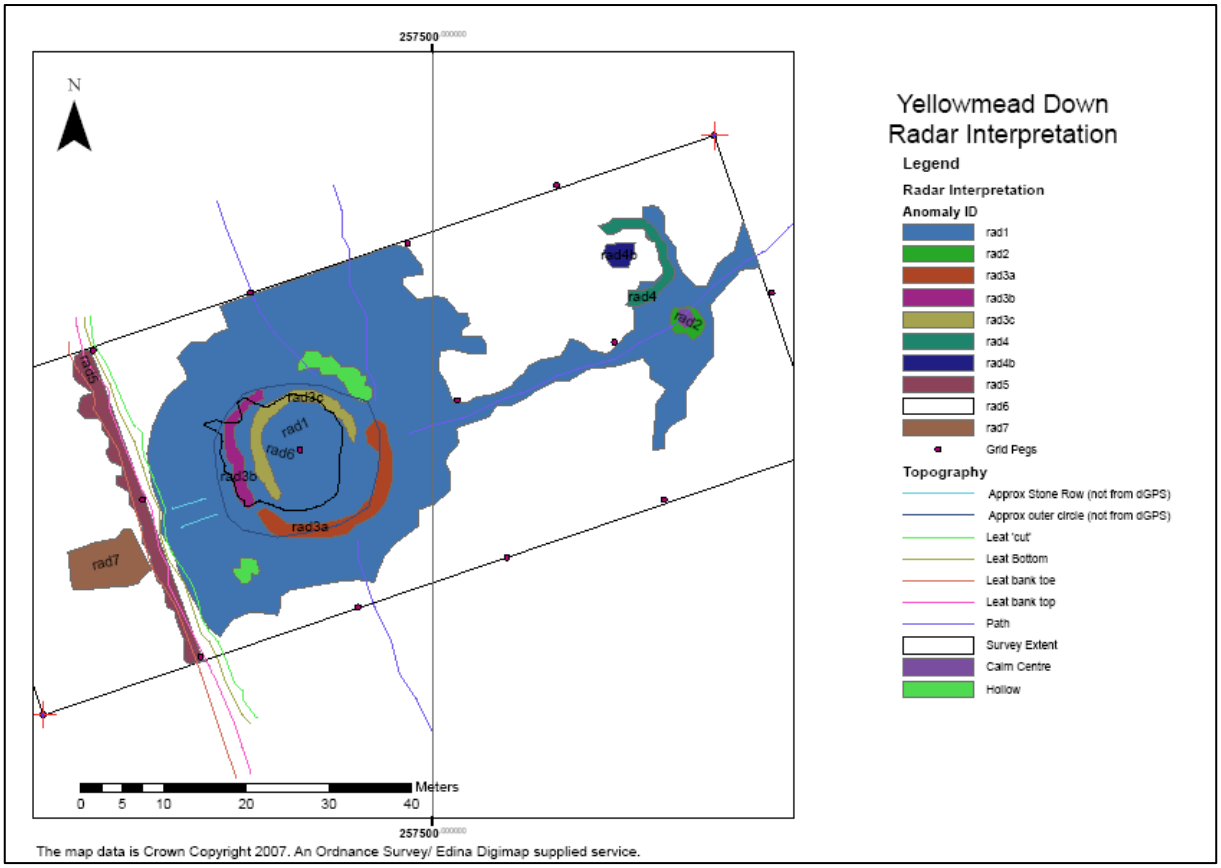


Figure 11.28 500MHz radar interpretation, Yellowmead

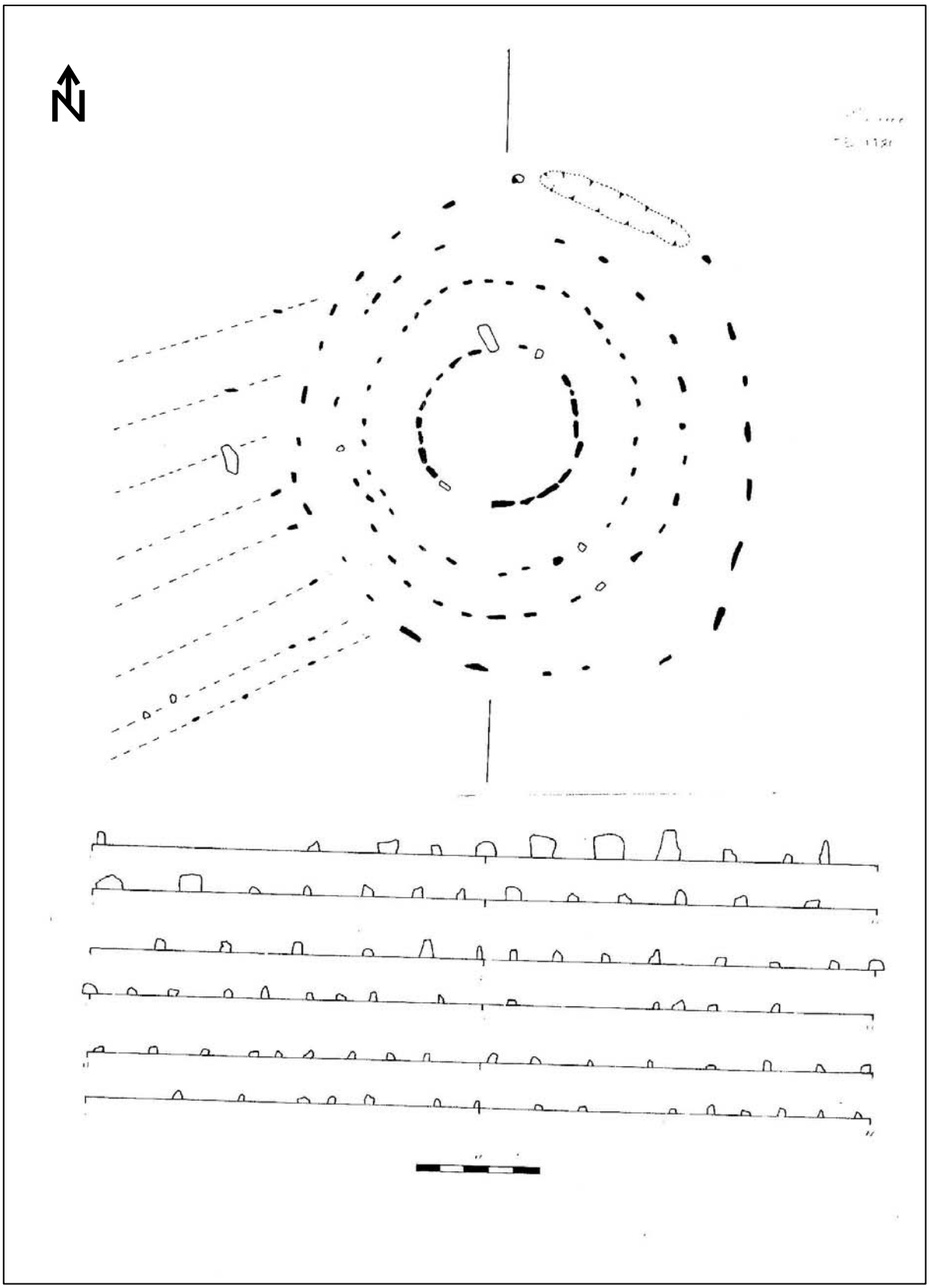


Figure 11.29 Sketch plan of Yellowmead Stone Circles, dated 1981 (supplied by DNPA HER)

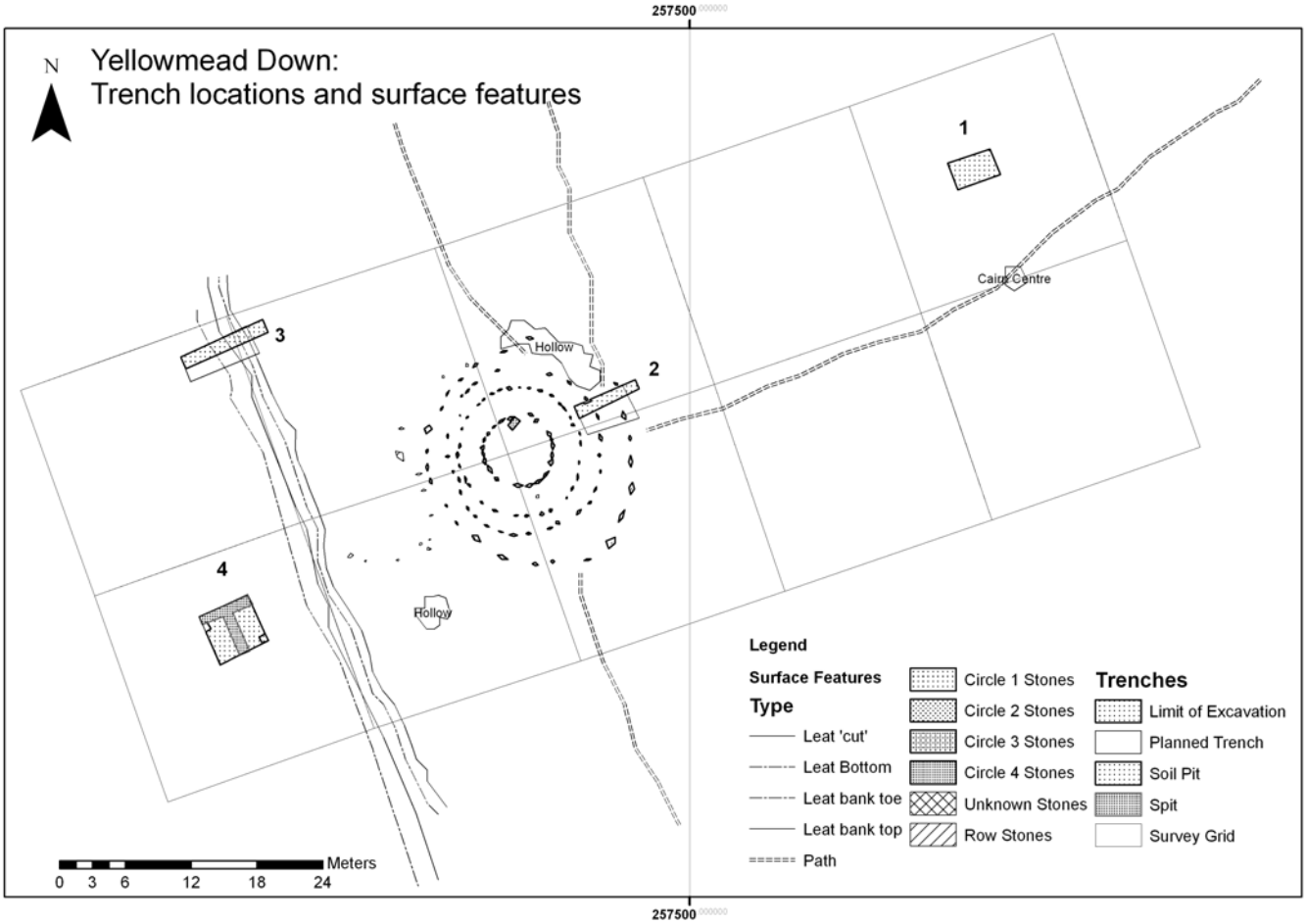
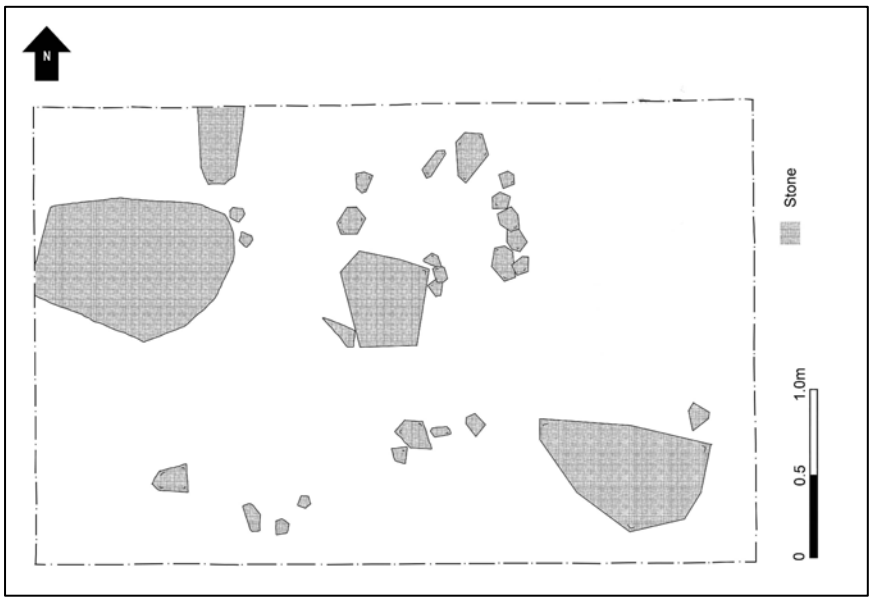


Figure 11.30 Trench locations and detailed plan of the surface stones, Yellowmead



Plan

N

Harris Matrix

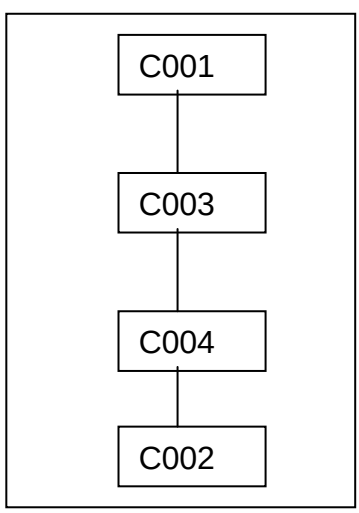
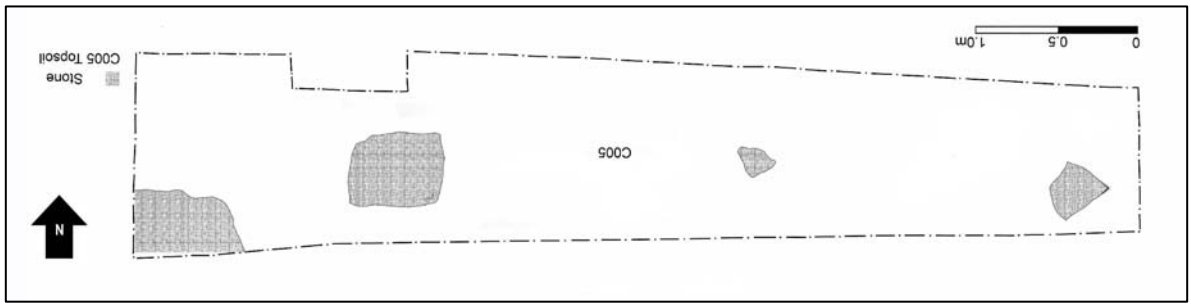
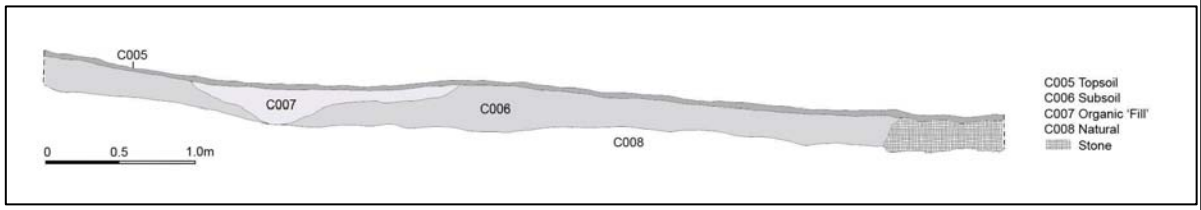


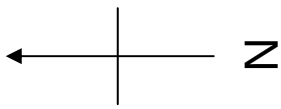
Figure 11.31 Trench 1, Yellowmead

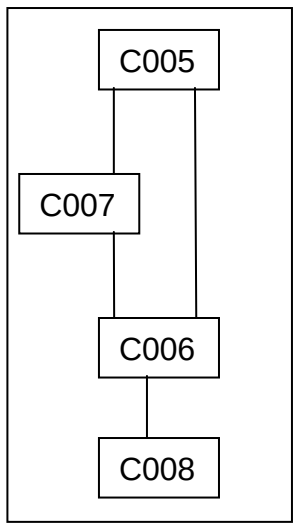


Plan



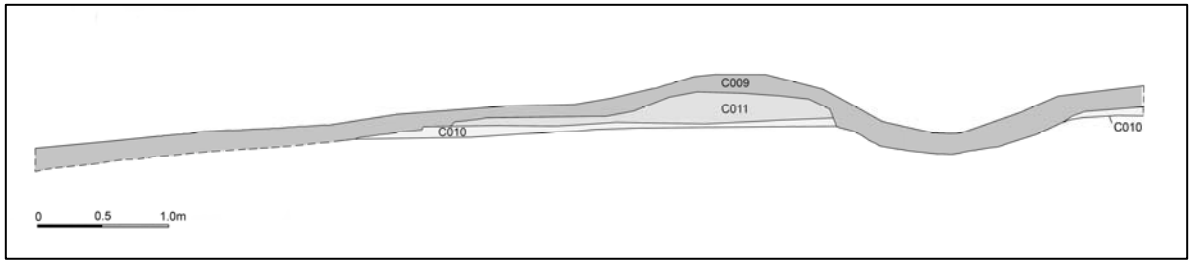
Section: South-facing





Harris Matrix

Figure 11.32 Trench 2, Yellowmead



Section: North-facing

N

Harris Matrix

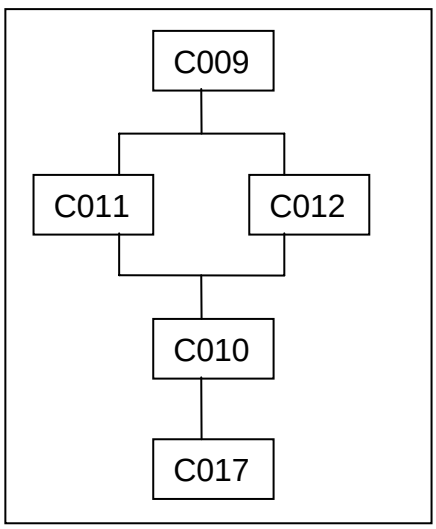
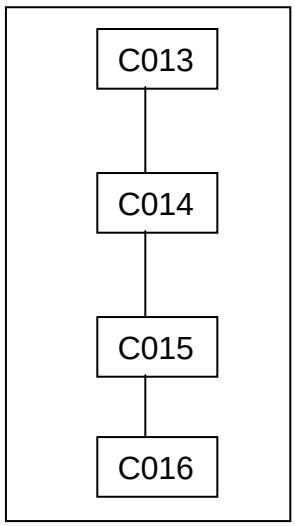
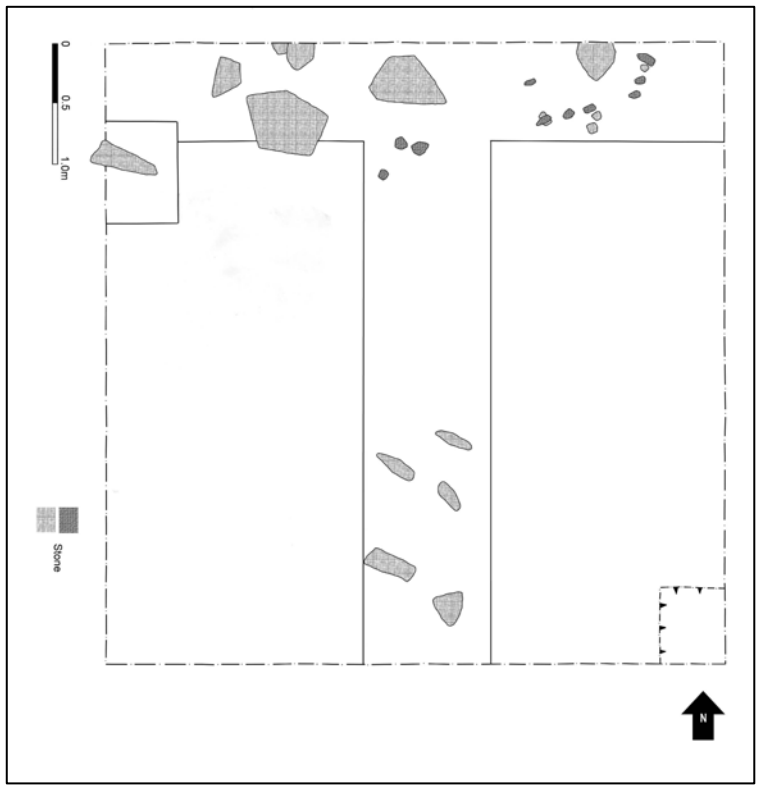


Figure 11.33 Trench 3, Yellowmead



Harris Matrix



Plan

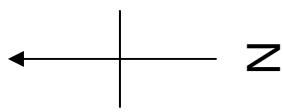


Figure 11.34 Trench 4, Yellowmead

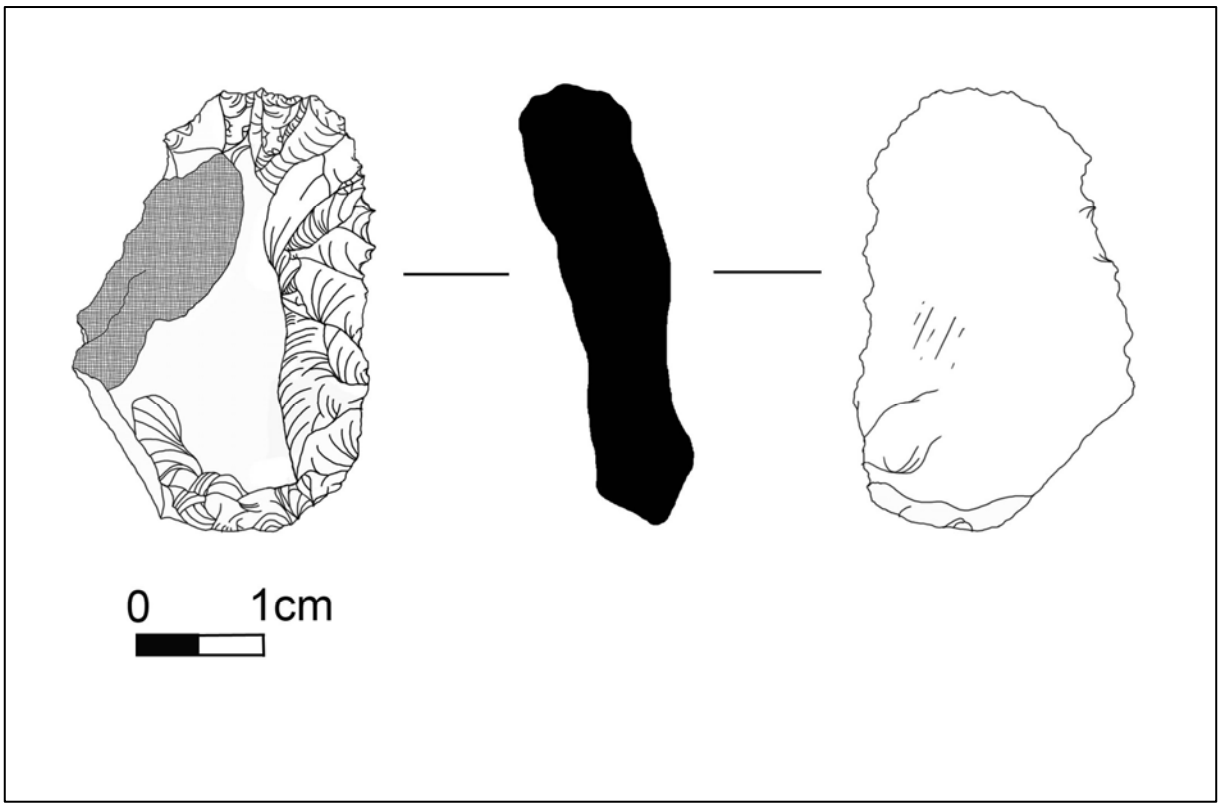


Figure 11.35 Flint scraper from Trench 4, Yellowmead Stone Circles. (illus. SJ Hathaway)

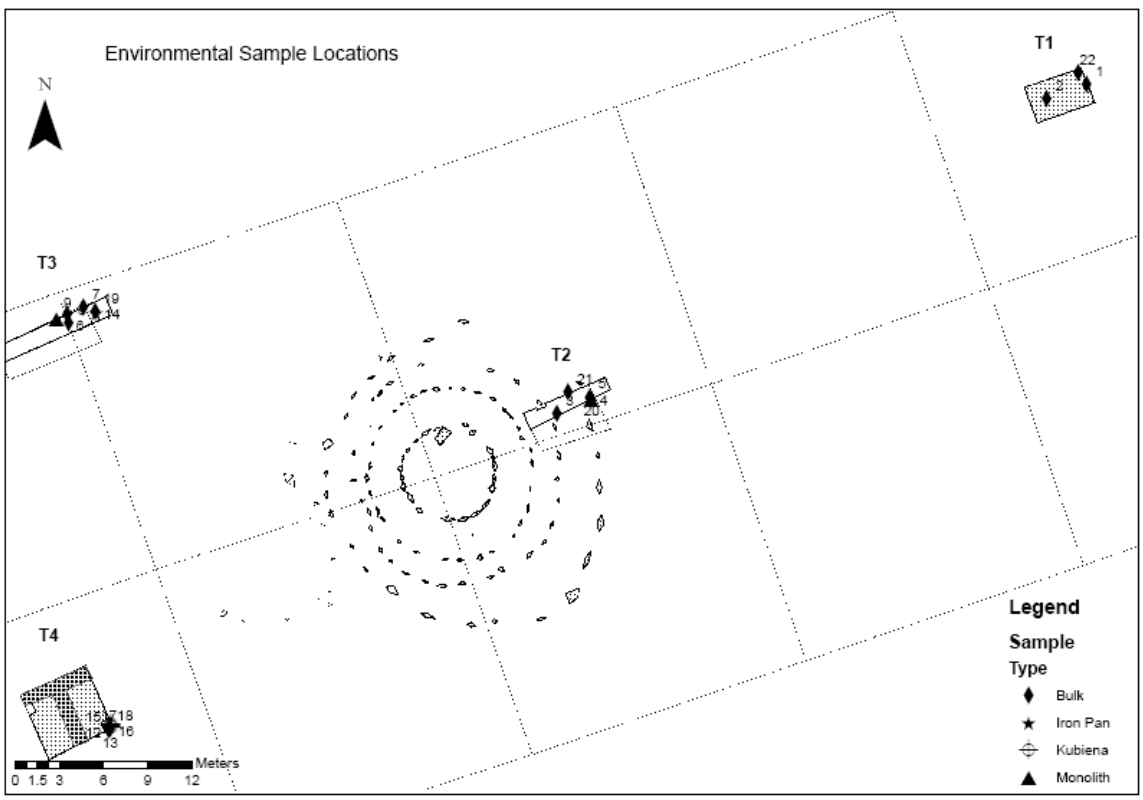
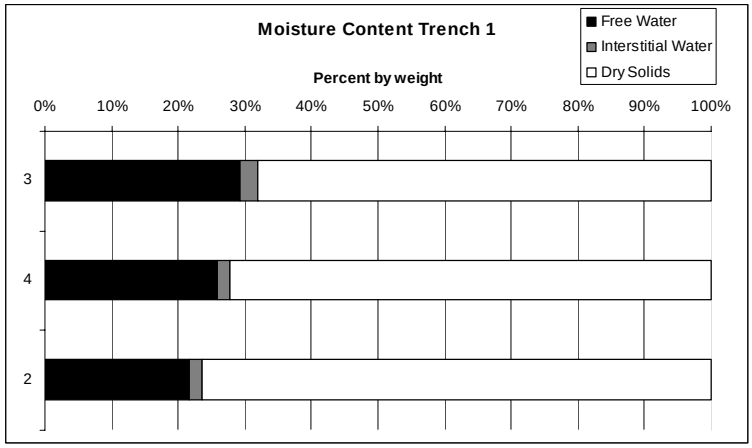
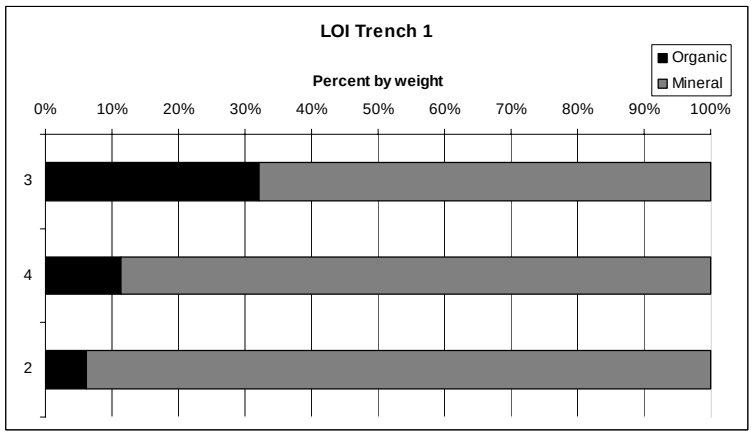
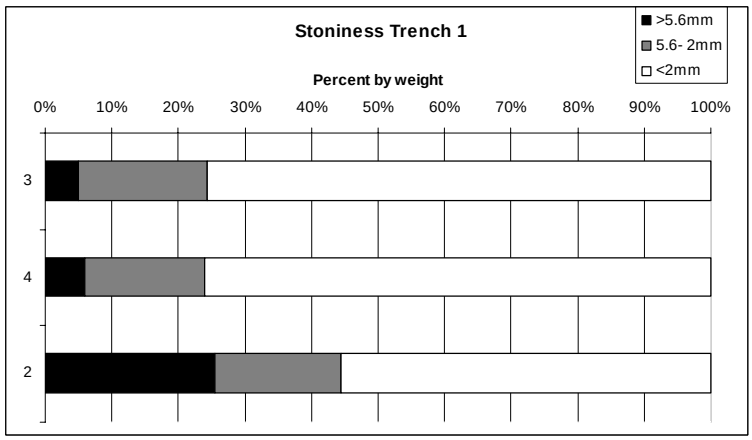


Figure 11.36 Environmental sampling locations, Yellowmead







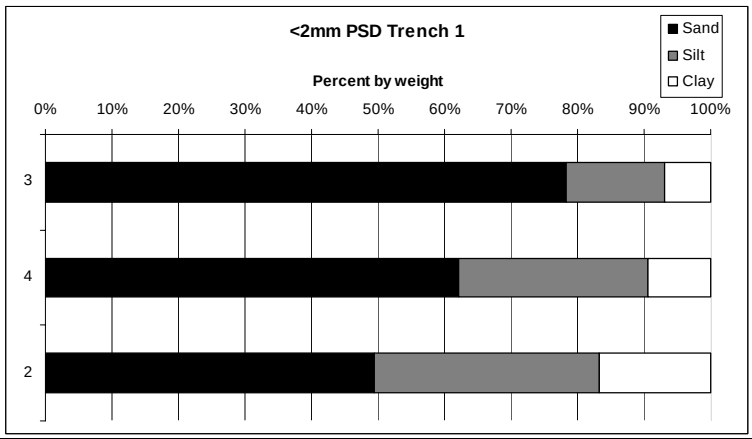
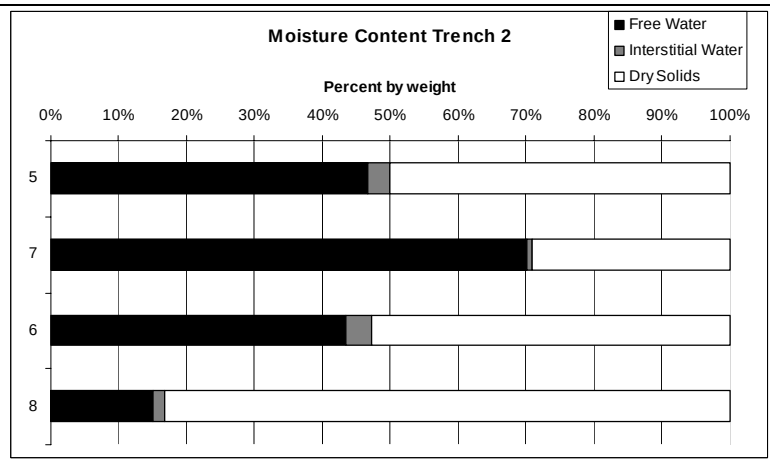
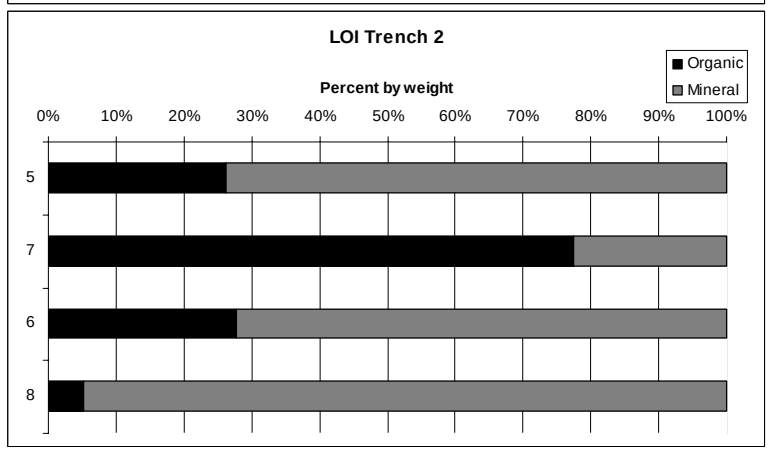
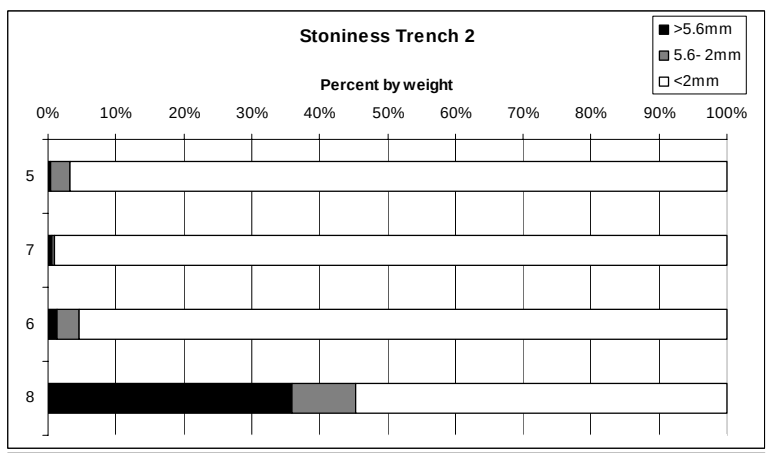


Figure 11.37 Laboratory results summary, Trench 1, Yellowmead







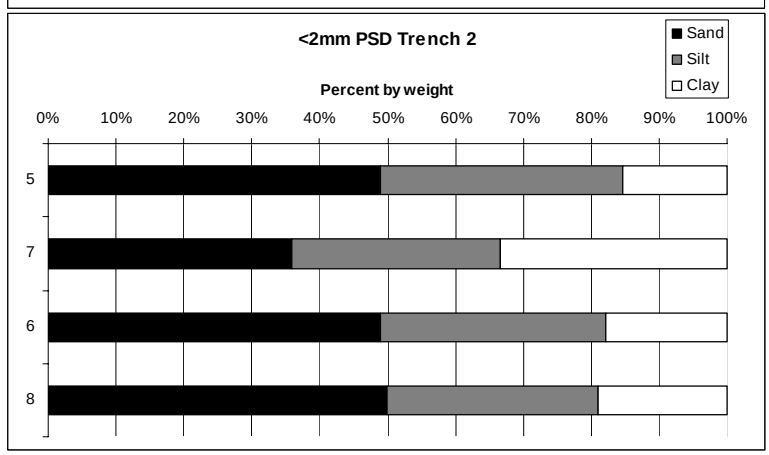


Figure 11.38 Laboratory results summary, Trench 2, Yellowmead

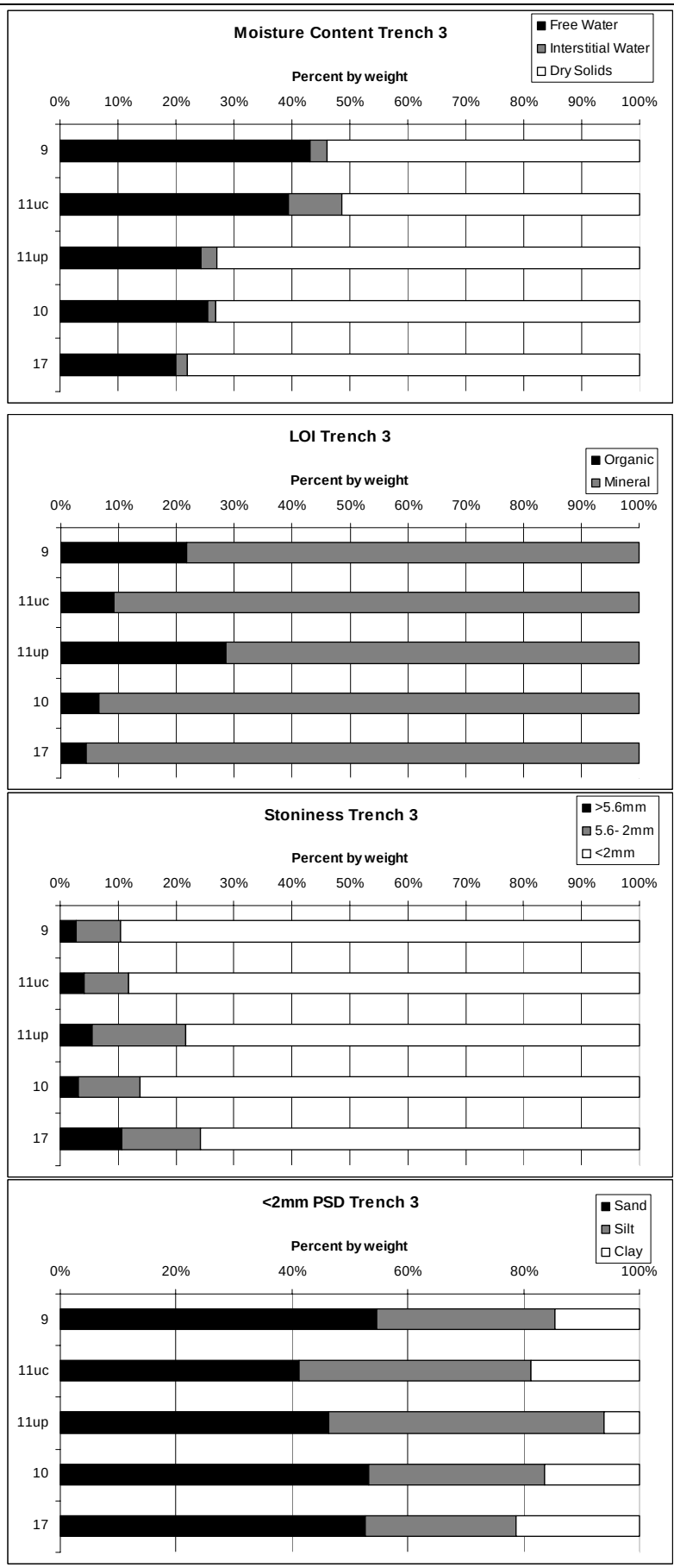
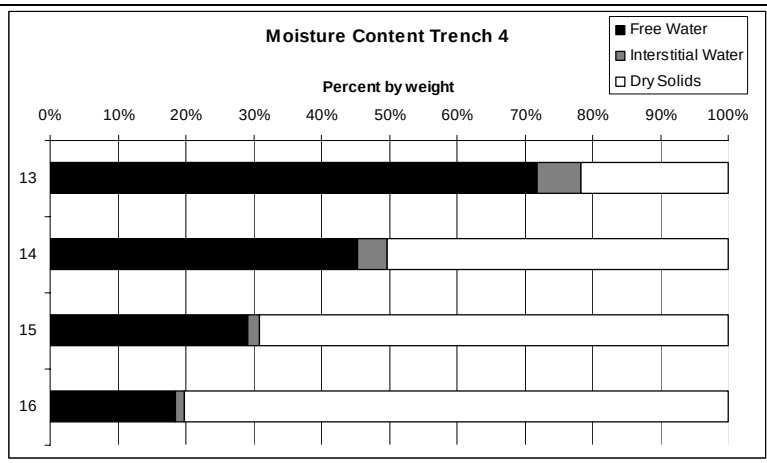
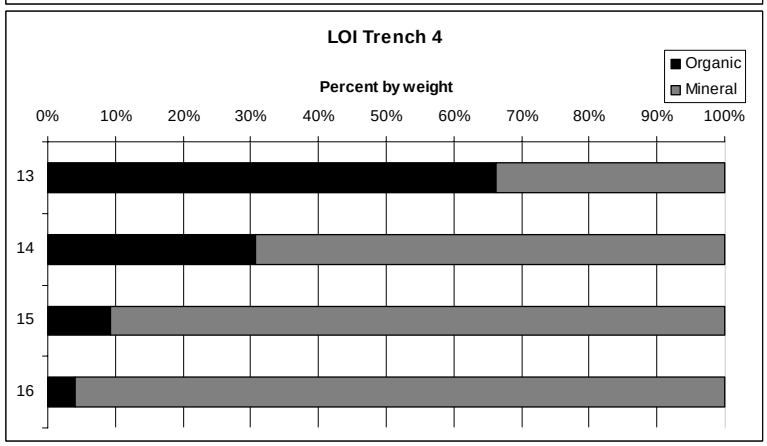
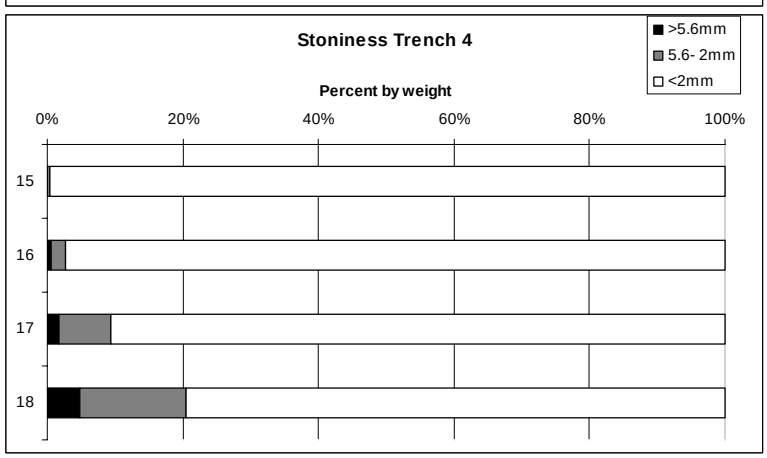


Figure 11.39 Laboratory results summary, Trench 3, Yellowmead







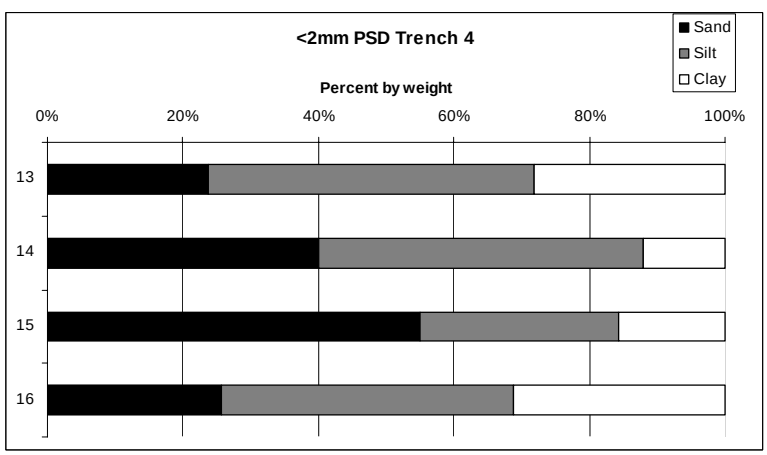


Figure 11.40 Laboratory results summary, Trench 4, Yellowmead

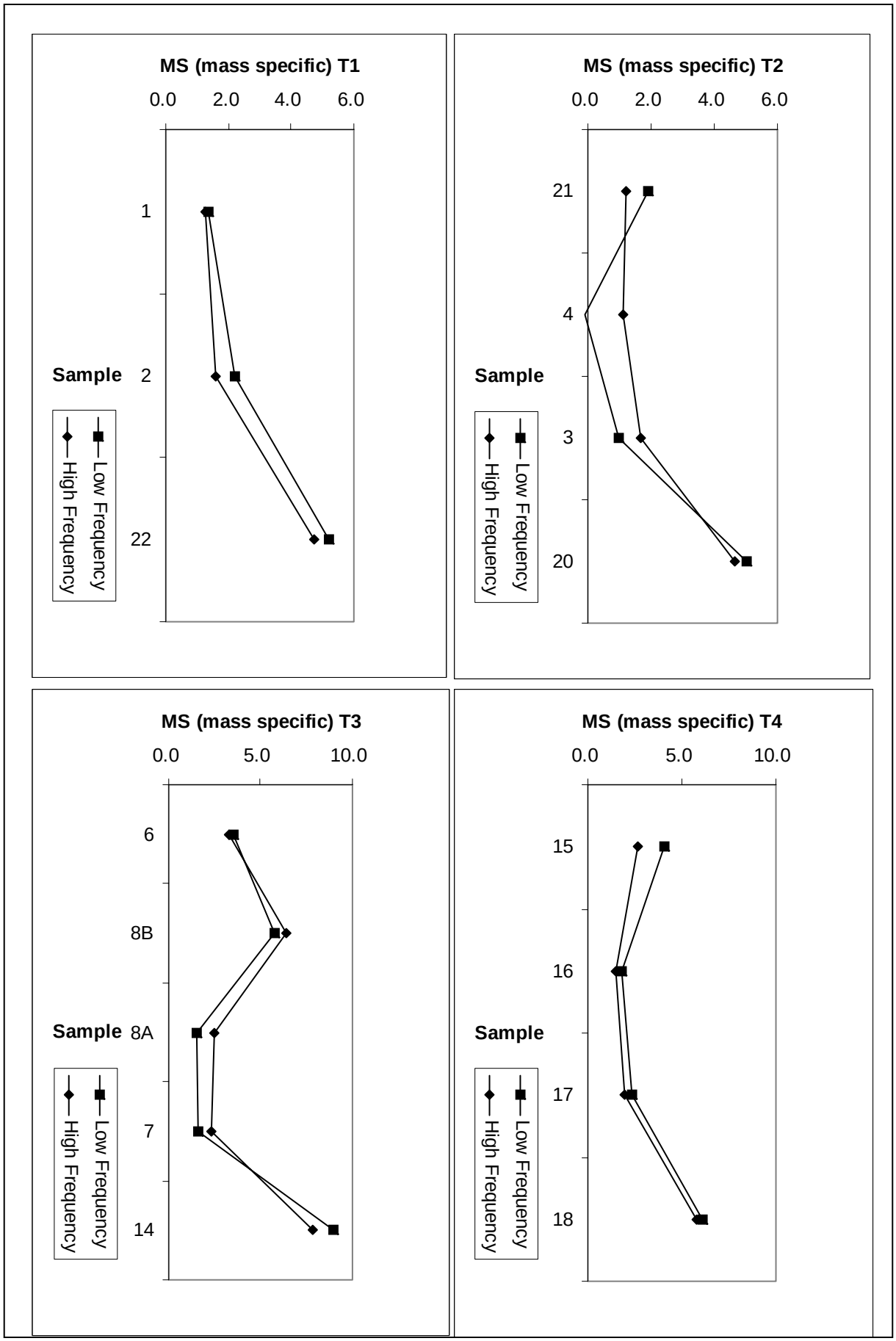


Figure 11.41MS results summary, all trenches, Yellowmead

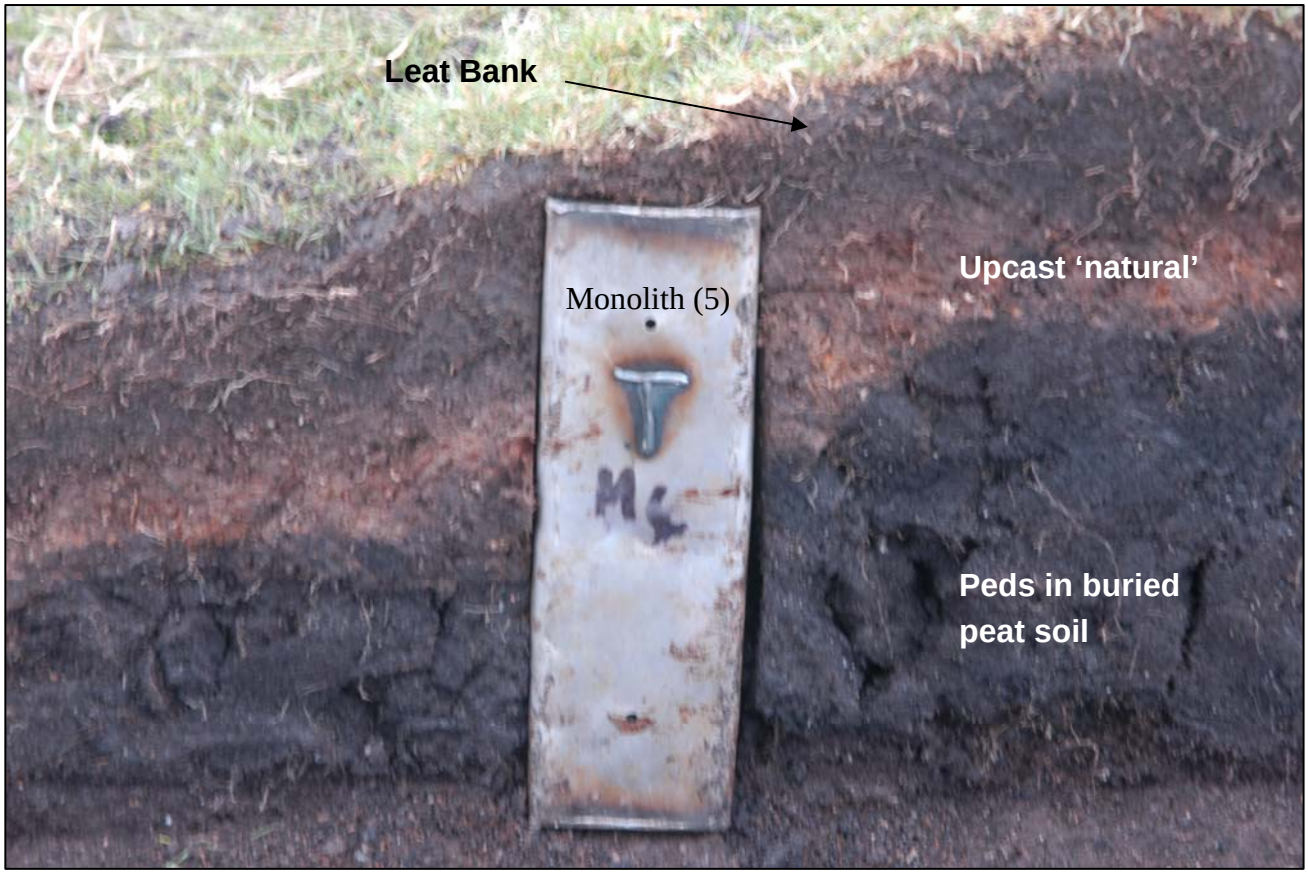


Figure 11.42 Peds developed in a buried soil, Trench 3 south facing section, Yellowmead

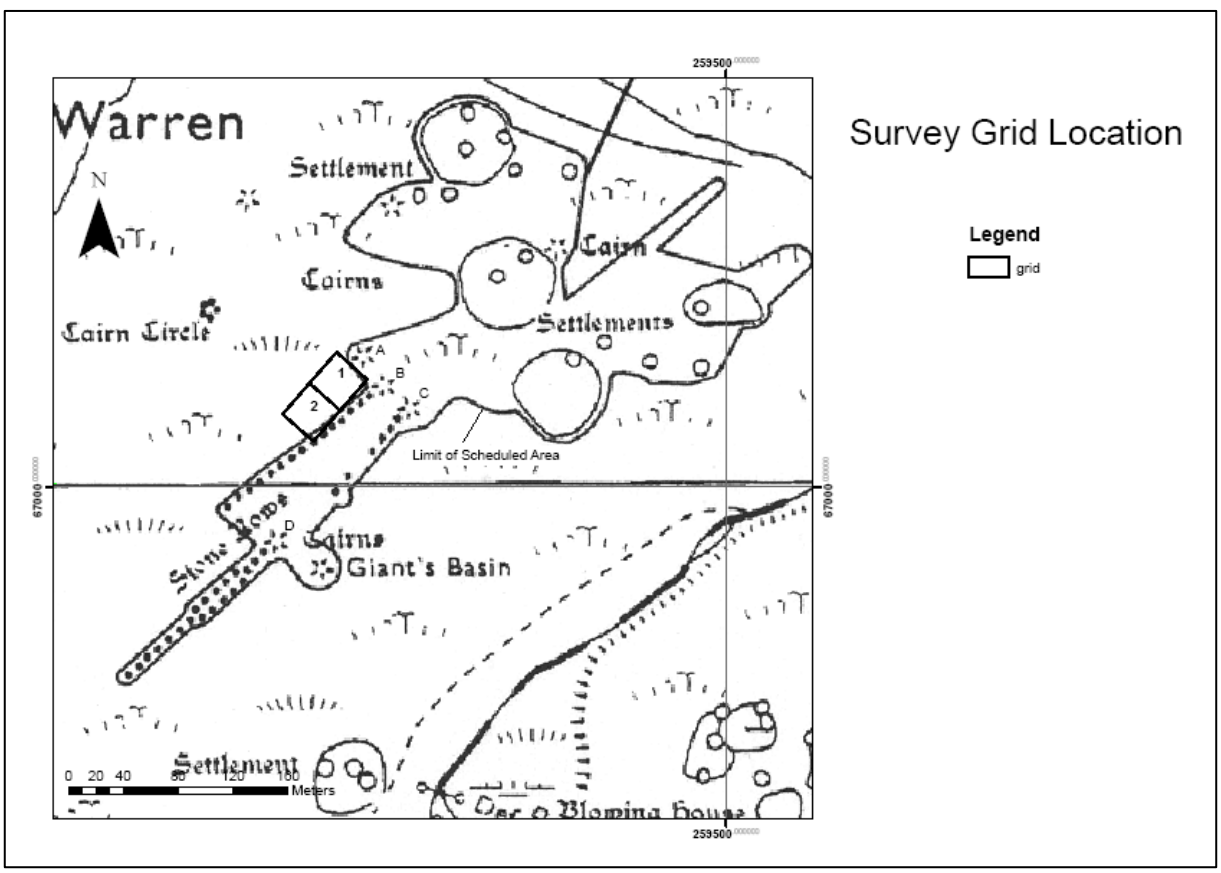


Figure 11.43 Drizzlecombe survey grids and major archaeological features

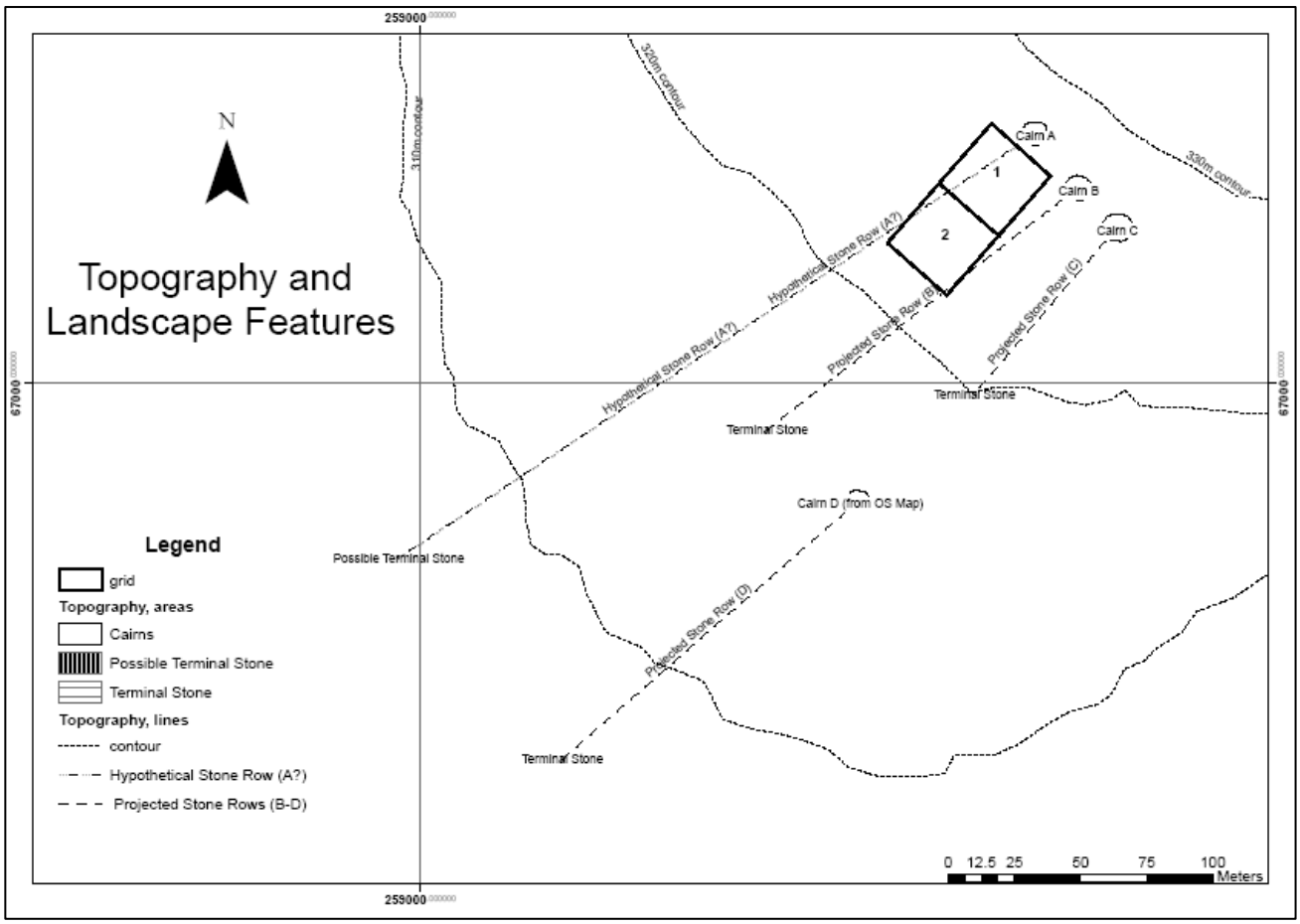


Figure 11.44 Survey grids and immediate topography, Drizzlecombe

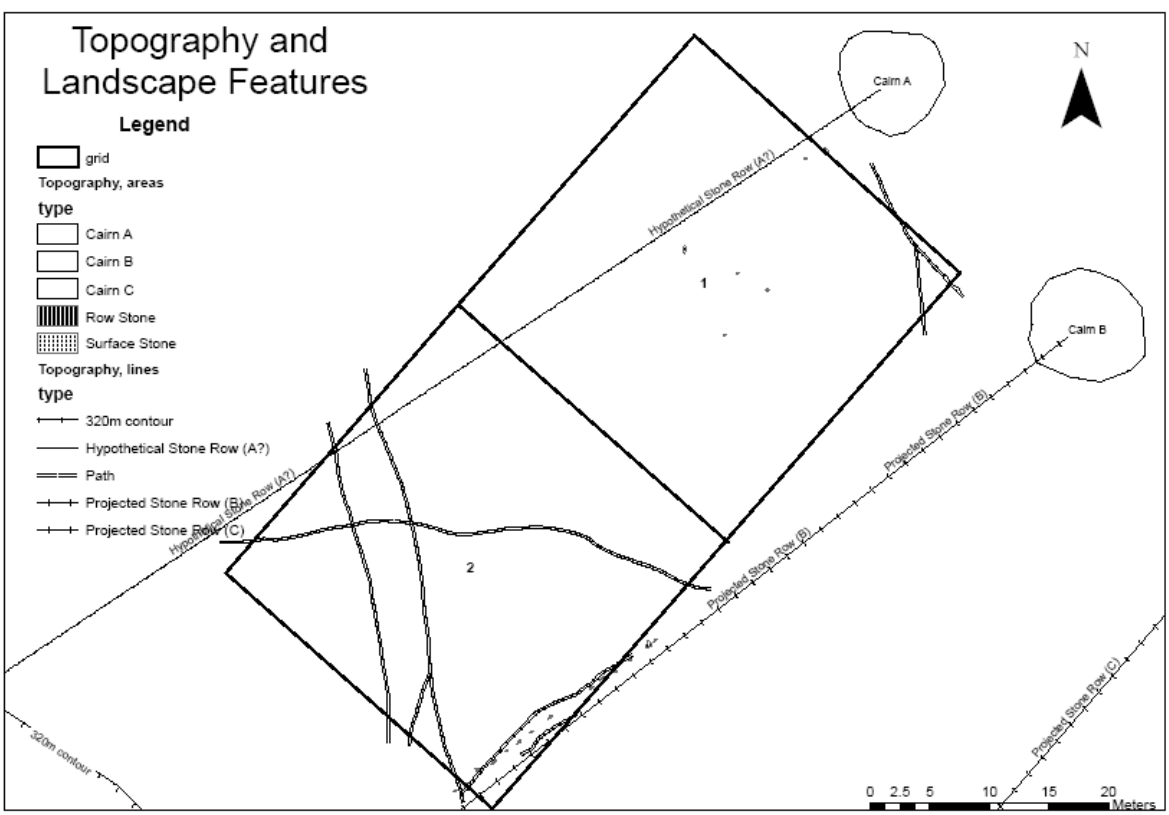


Figure 11.45 Detailed surface features, Drizzlecombe

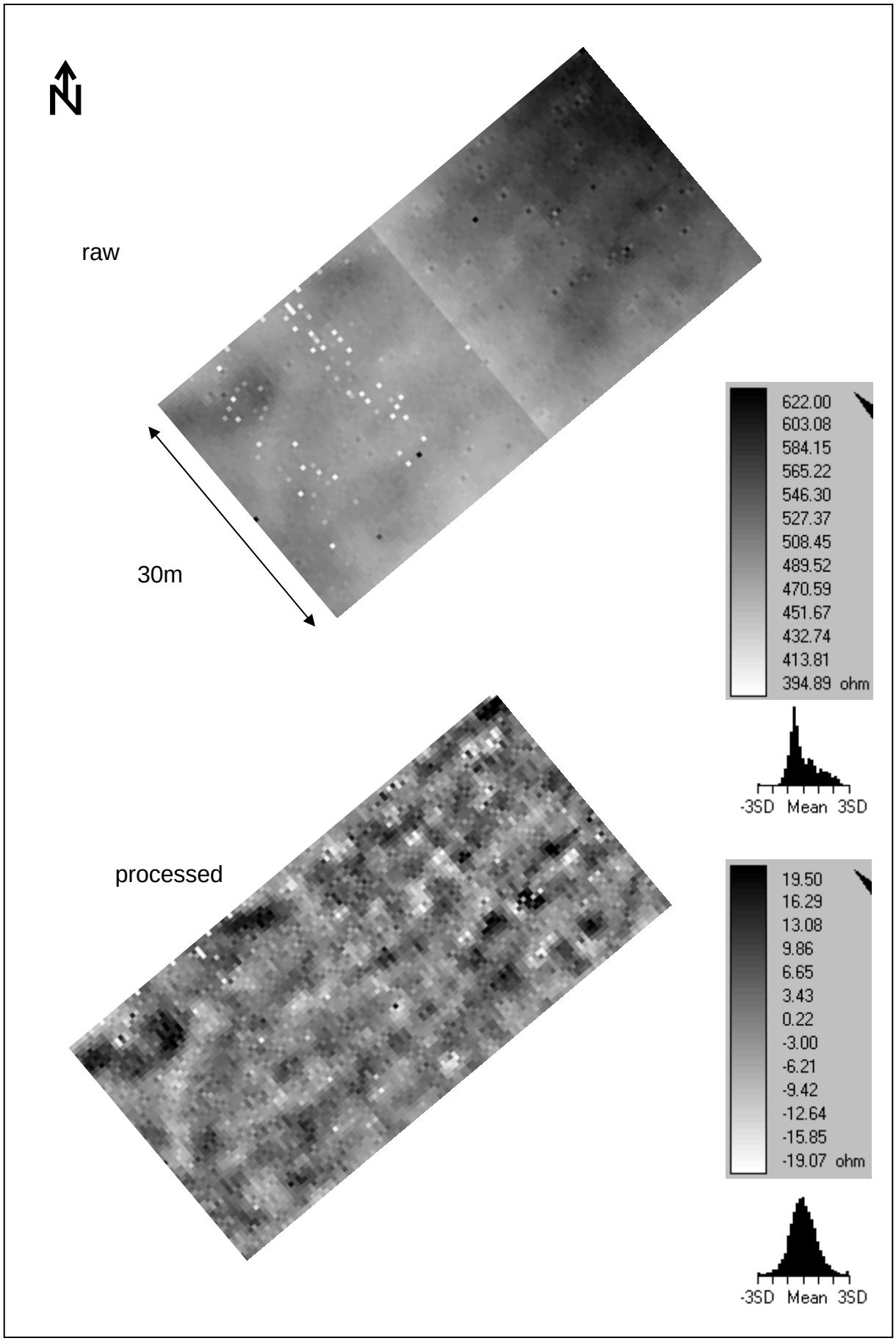


Figure 11.46 Resistivity survey, Drizzlecombe

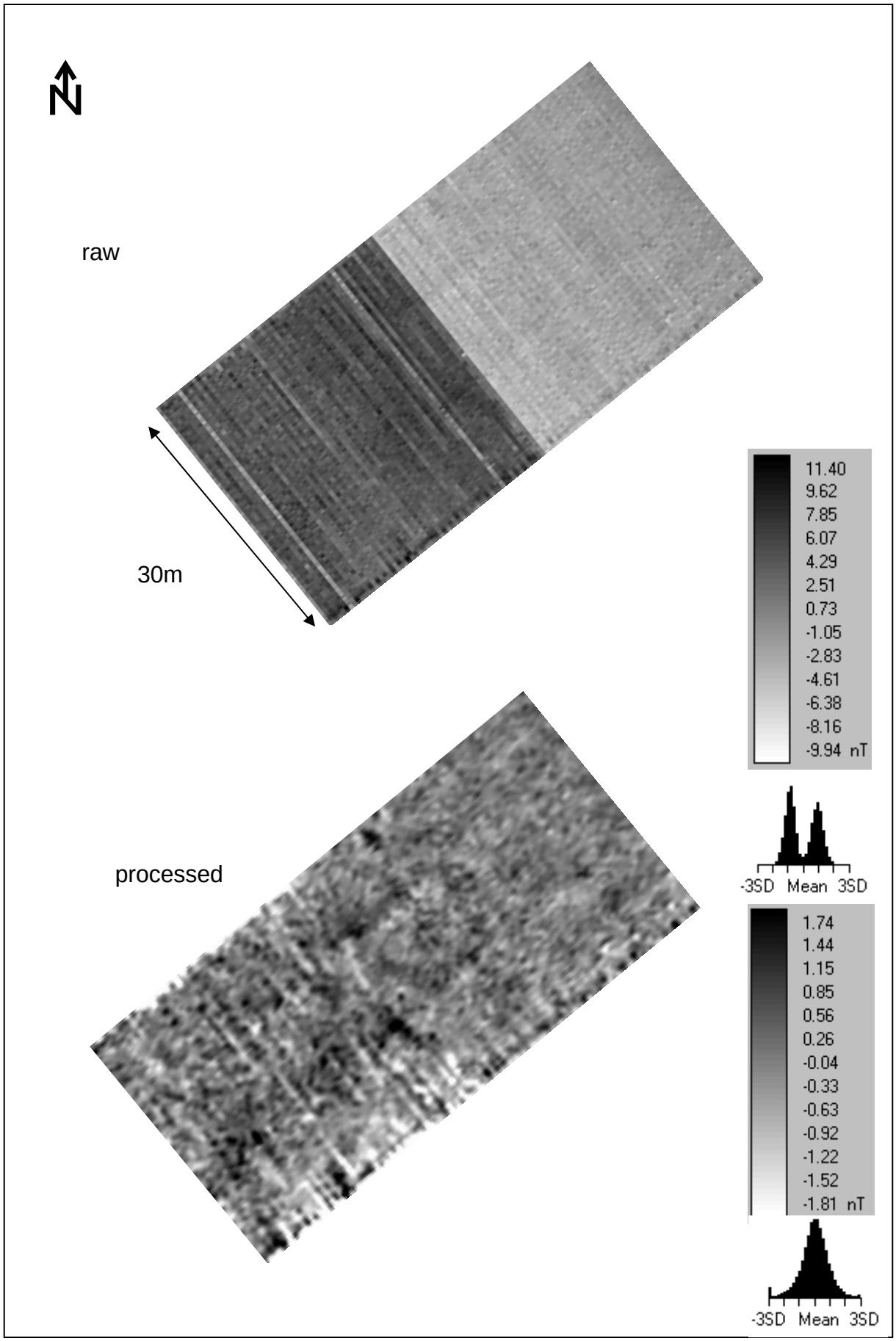


Figure 11.47 Gradiometer survey, Drizzlecombe

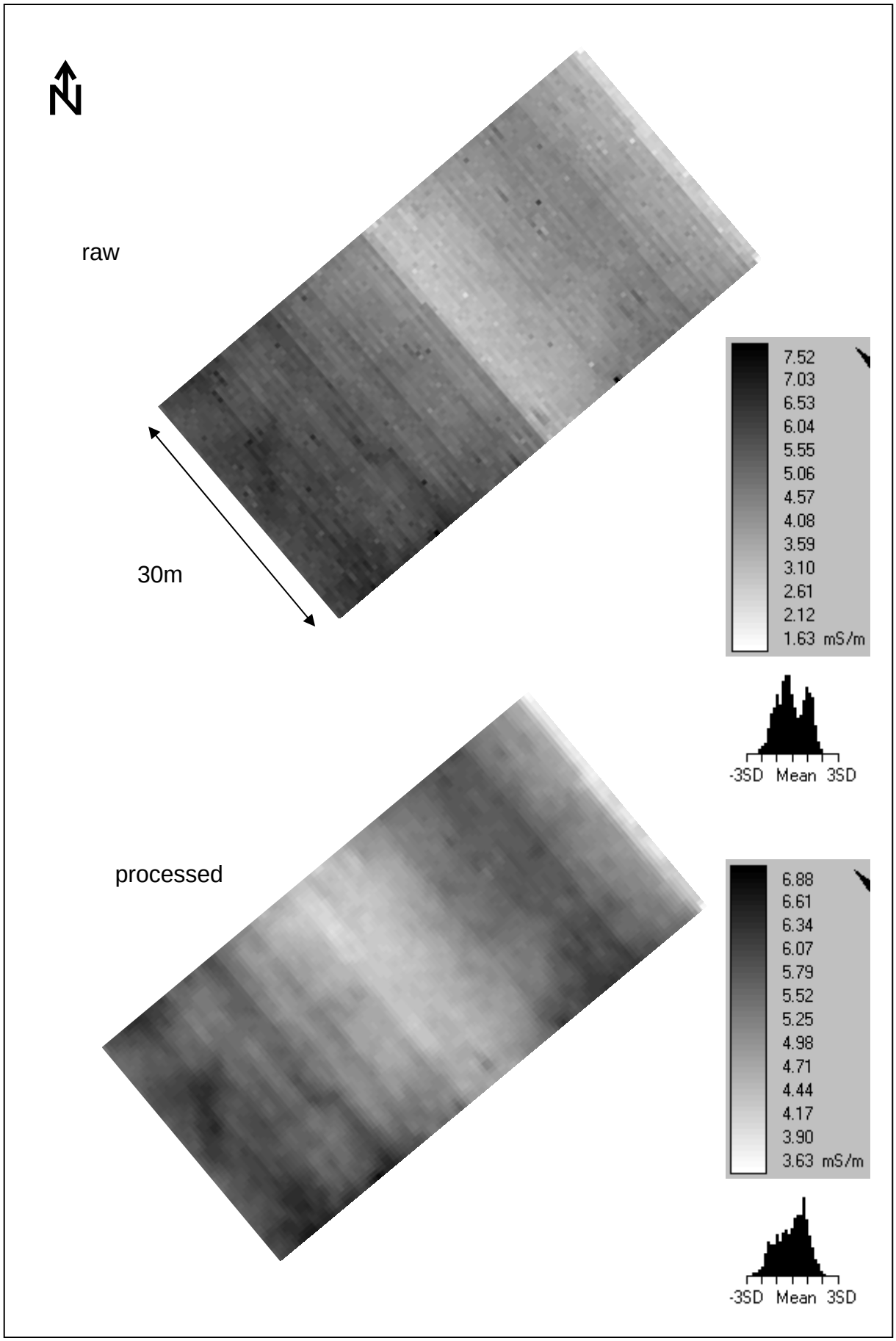


Figure 11.48 Horizontal EM quadrature survey, Drizzlecombe

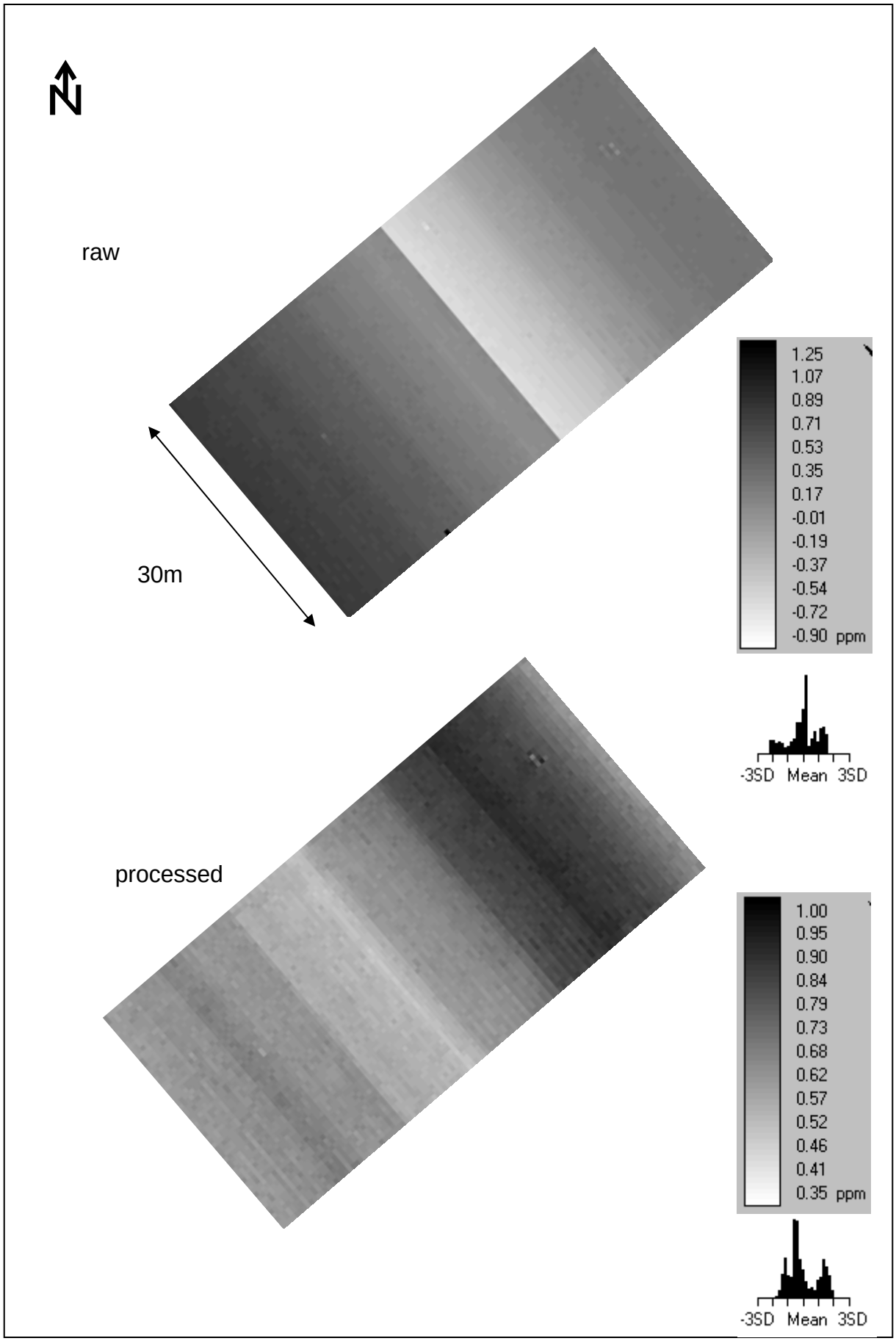


Figure 11.49 Horizontal EM inphase survey, Drizzlecombe

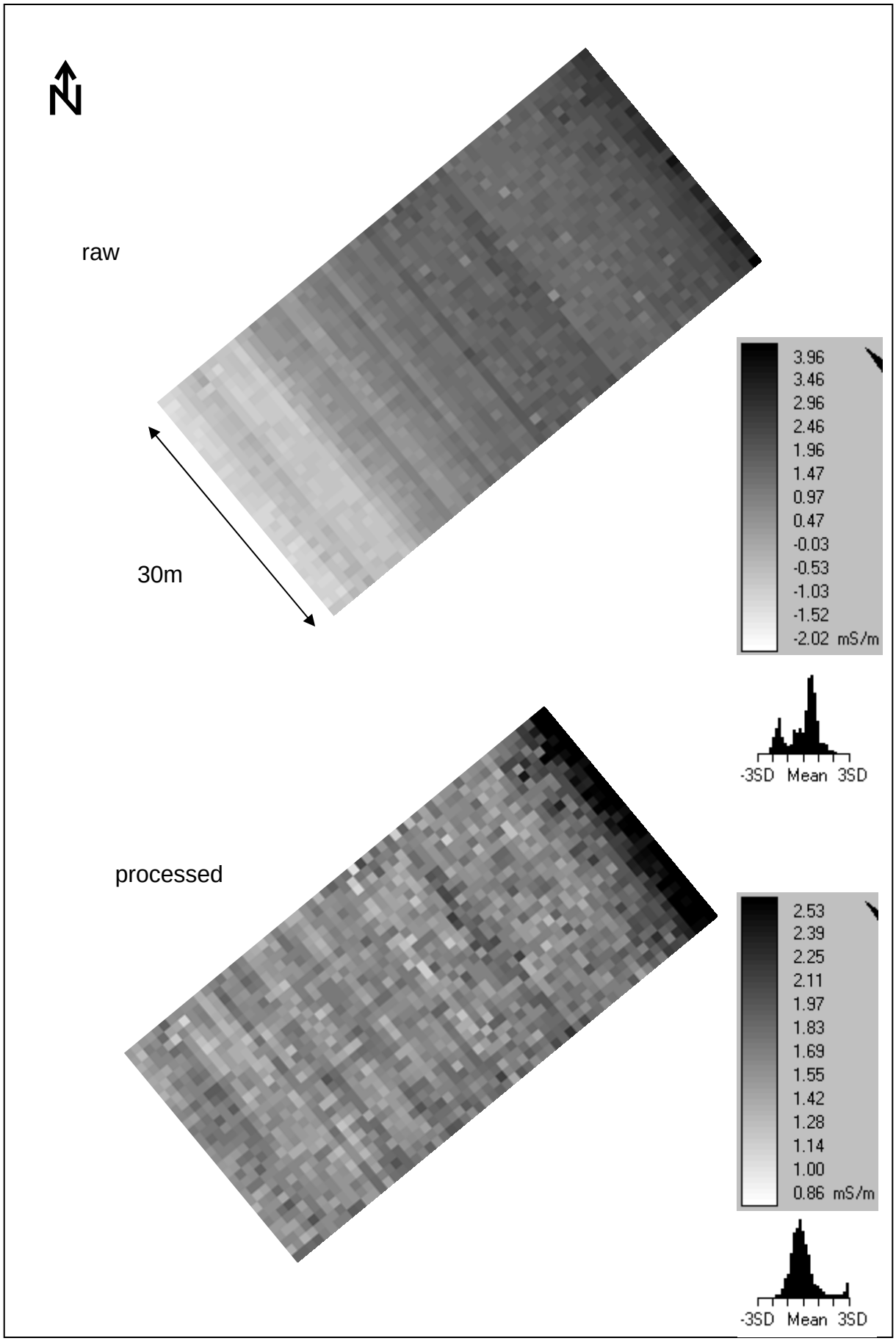


Figure 11.50 Vertical EM quadrature survey, Drizzlecombe

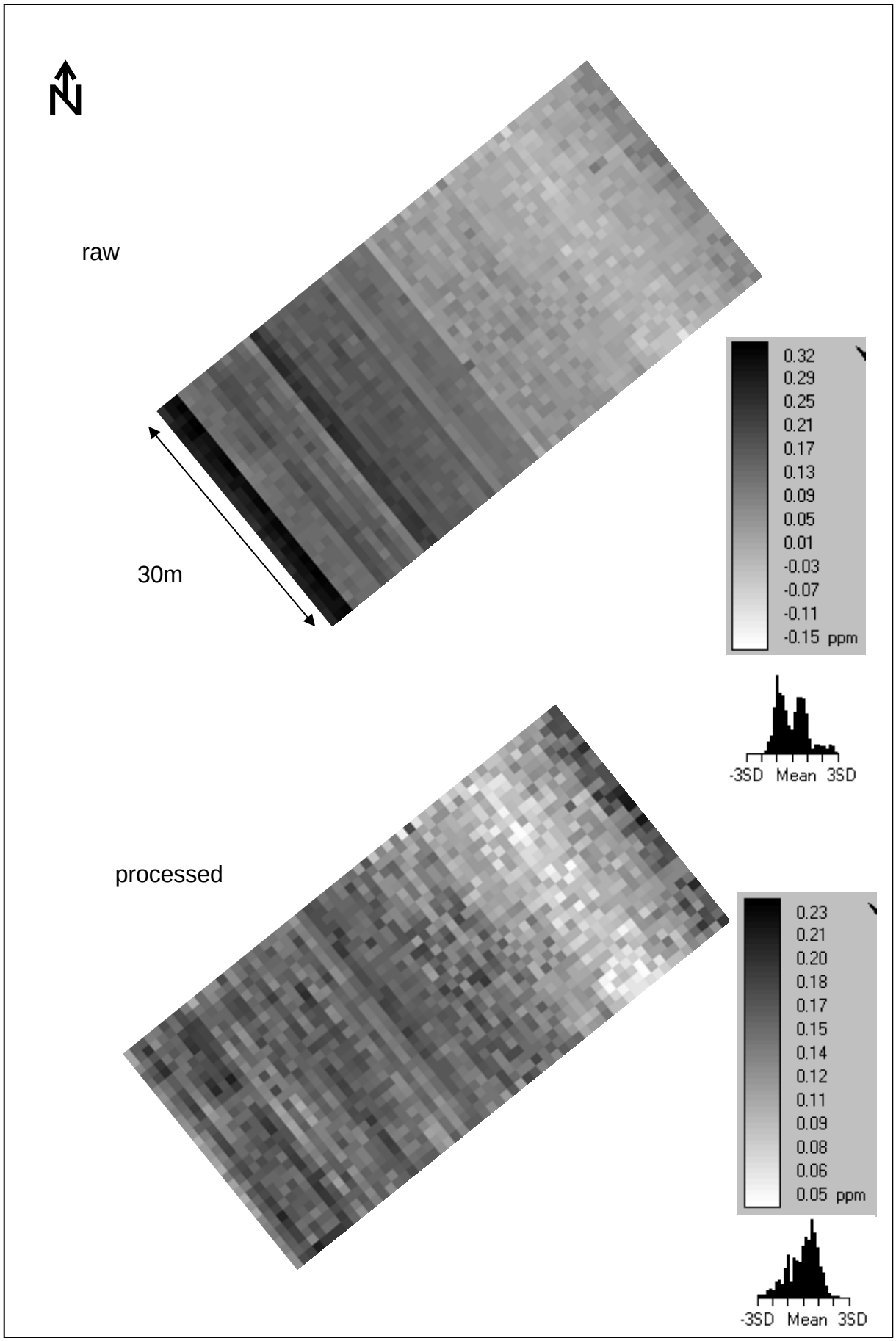
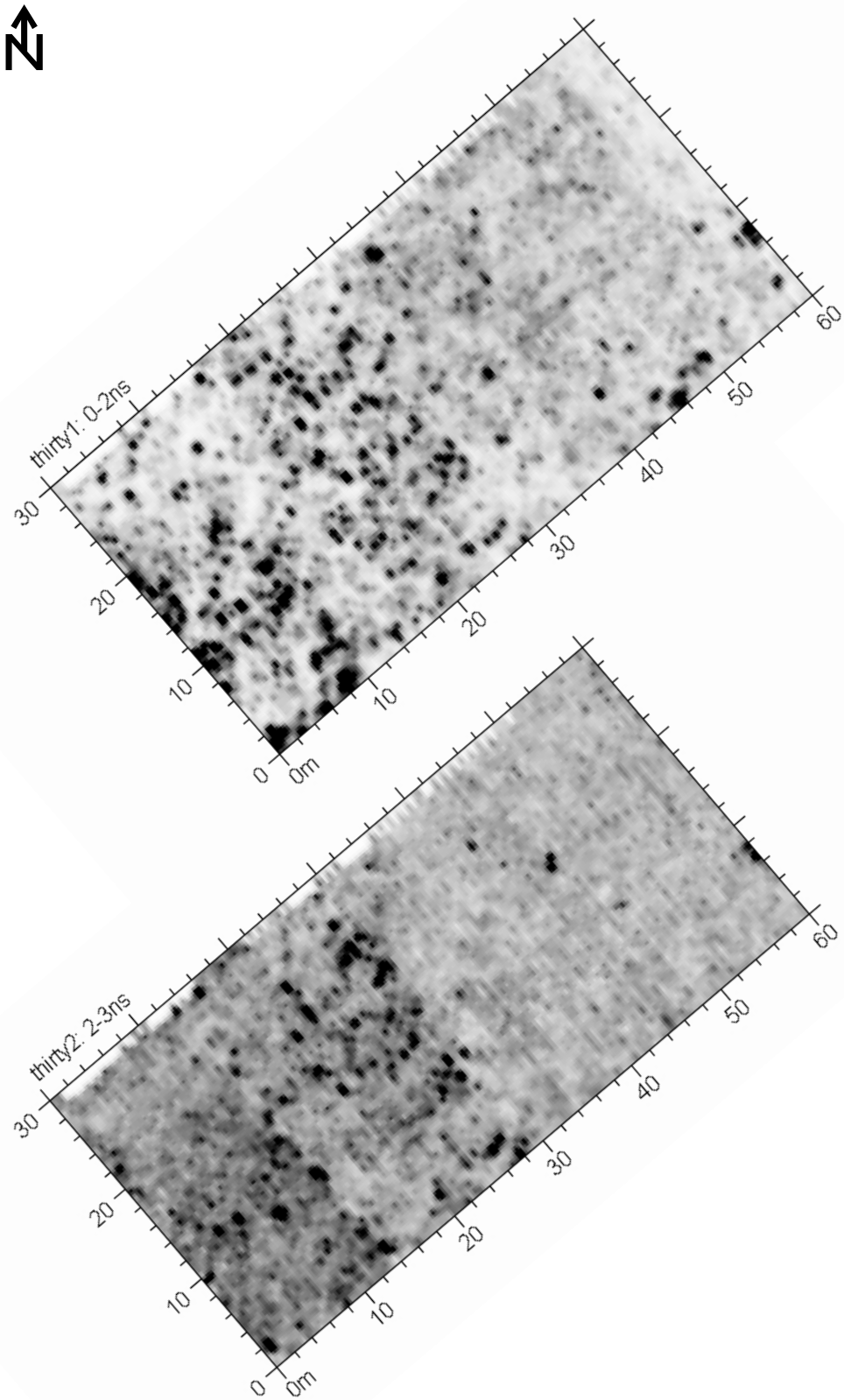


Figure 11.51 Vertical EM inphase survey, Drizzlecombe

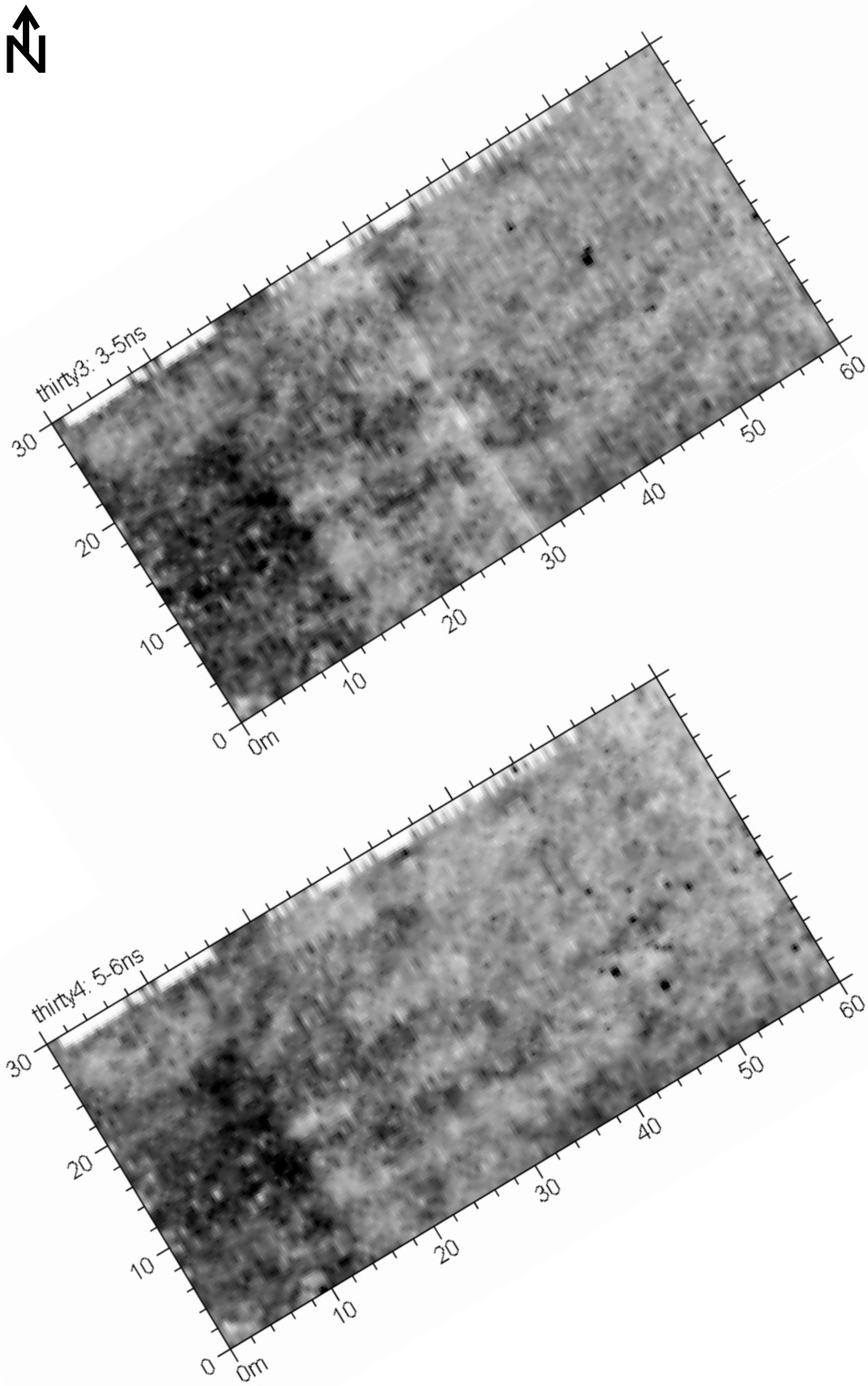
Slice	Time Window - ns	Depth (v=0.08m/ns)
1	0.-1.54	0.-0.05
2	1.54-3.08	0.05-0.11
3	3.09-4.62	0.11-0.16
4	4.63-6.17	0.16-0.22
5	6.17-7.71	0.22-0.27
6	9.26-10.8	0.27-0.32
7	10.81-12.34	0.32-0.38
8	12.35-13.89	0.38-0.43
9	12.35-13.89	0.43-0.49
10	13.89-15.43	0.49-0.54
11	15.44-16.97	0.54-0.59
12	16.98-18.52	0.59-0.65
13	18.52-20.06	0.65-0.7
14	20.07-21.6	0.7-0.76
15	21.61-23.15	0.76-0.81
16	23.16-24.69	0.81-0.86
17	24.7-26.24	0.86-0.92
18	26.24-27.78	0.92-0.97
19	27.79-29.32	0.97-1.03
20	29.33-30.87	1.03-1.08
21	30.88-32.41	1.08-1.13
22	32.42-33.95	1.13-1.19
23	33.96-35.5	1.19-1.24
24	35.51-37.04	1.24-1.3
25	37.05-38.59	1.3-1.35
26	38.59-40.13	1.35-1.4
27	40.14-41.67	1.4-1.46
28	41.68-43.22	1.46-1.51
29	43.22-44.76	1.51-1.57
30	44.77-46.3	1.57-1.62

Figure 11.52 500MHz radar survey depth estimates, Drizzlecombe



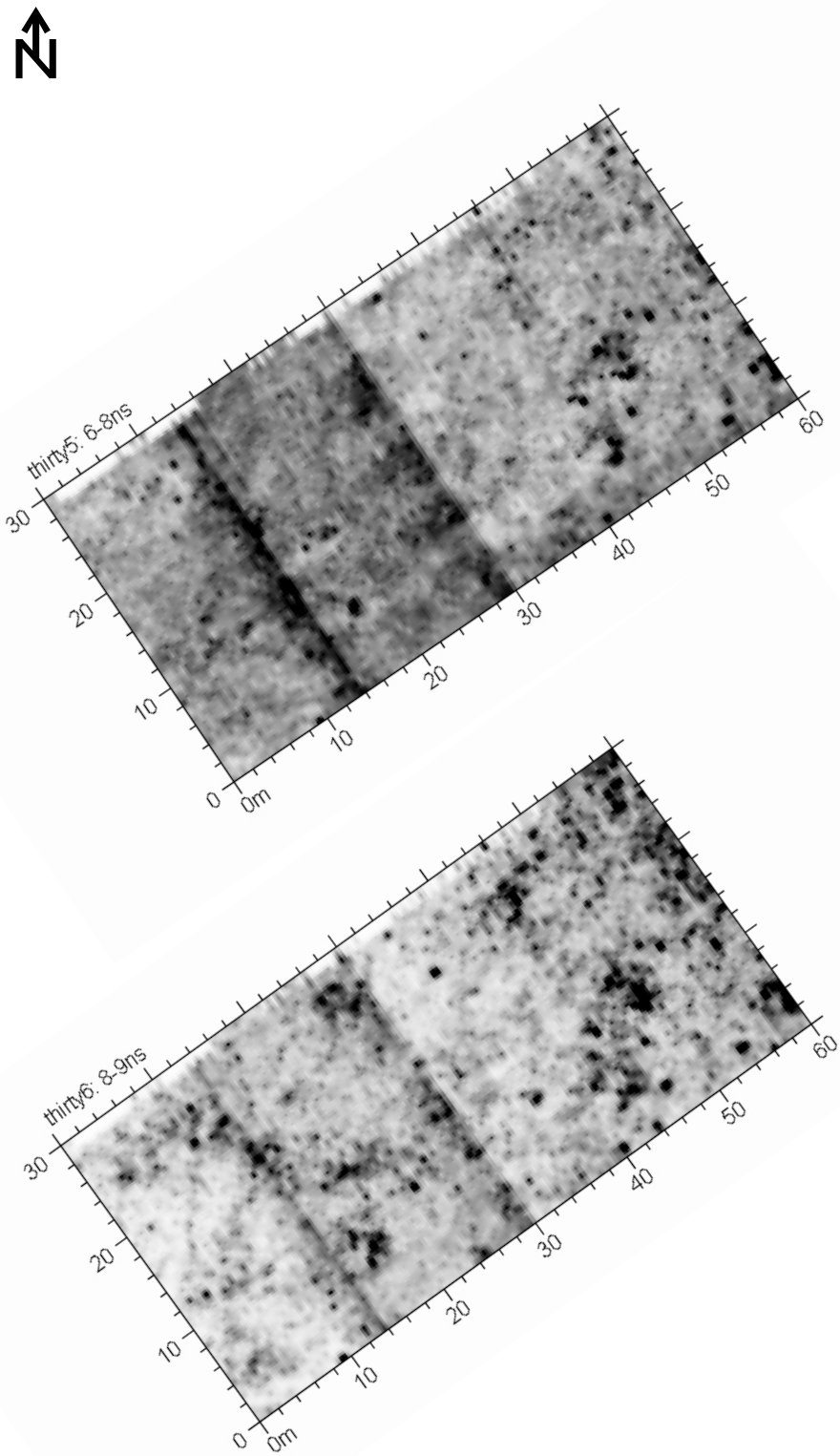
Scales in metres. Darker colour indicates higher amplitude response.

Figure 11.53 500MHz radar survey, timeslices 1 and 2, Drizzlecombe



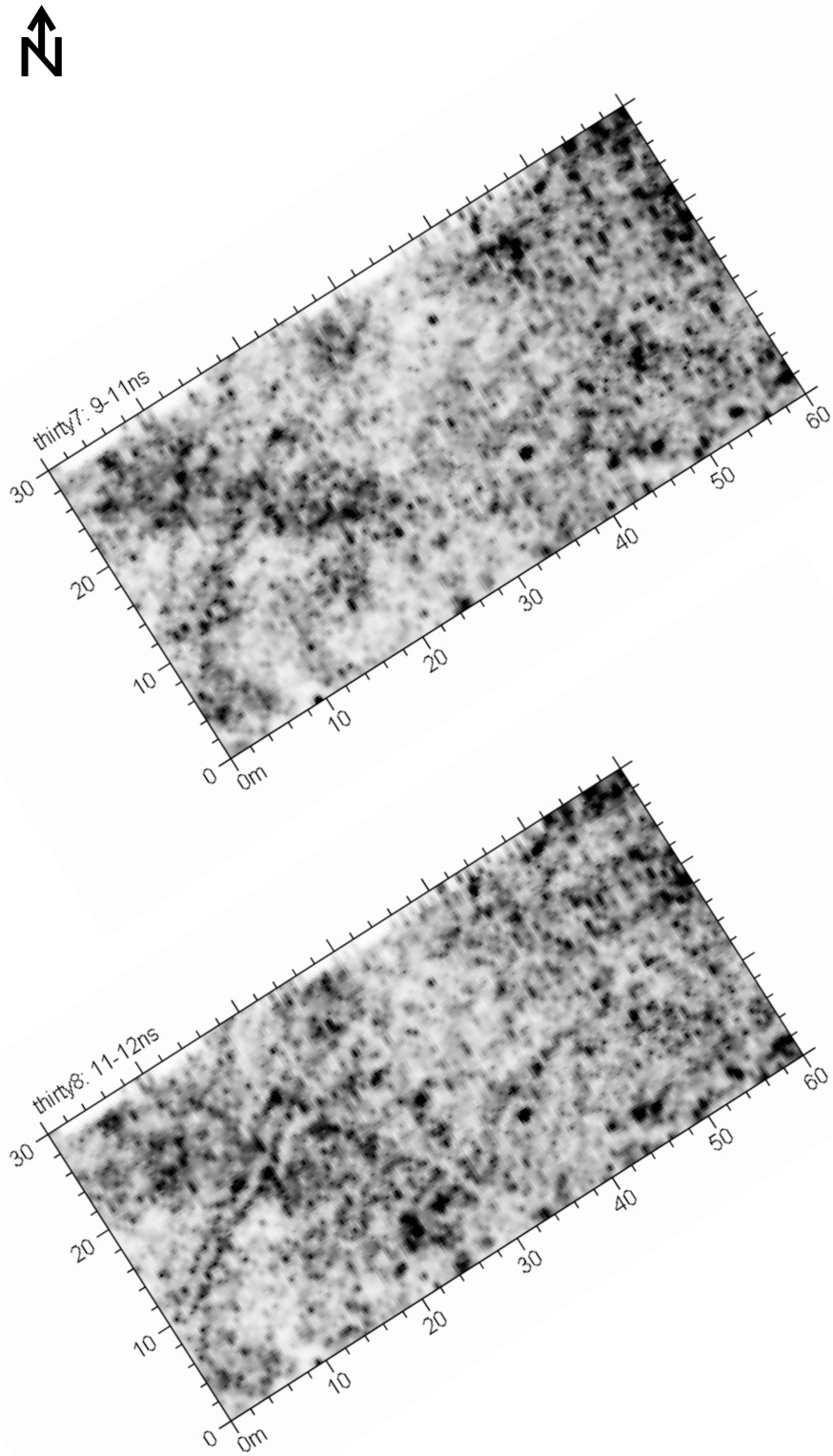
Scales in metres. Darker colour indicates higher amplitude response.

Figure 11.54 500MHz radar survey, timeslices 3 and 4, Drizzlecombe



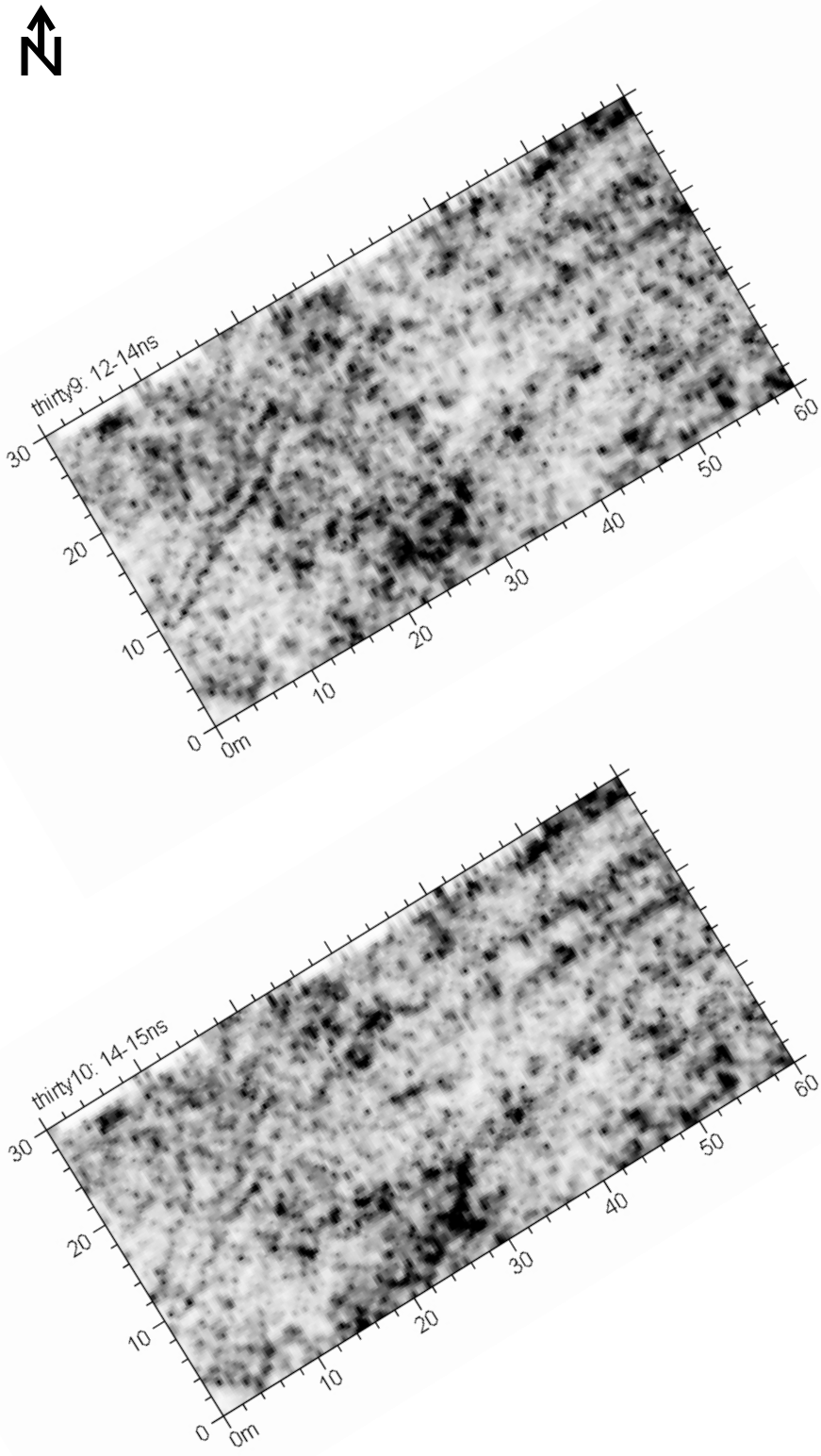
Scales in metres. Darker colour indicates higher amplitude response.

Figure 11.55 500MHz radar survey, timeslices 5 and 6, Drizzlecombe



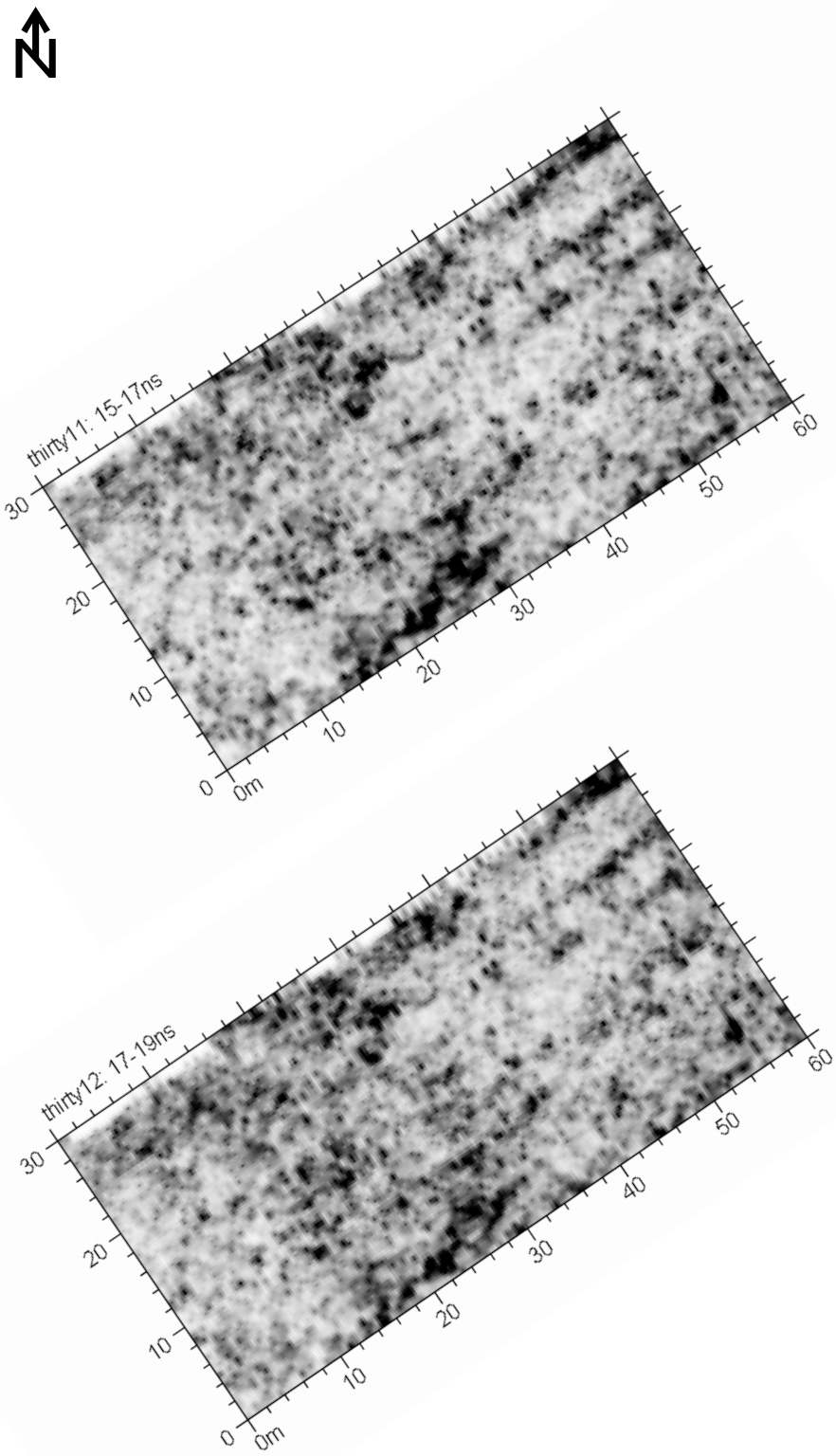
Scales in metres. Darker colour indicates higher amplitude response.

Figure 11.56 500MHz radar survey, timeslices 7 and 8, Drizzlecombe



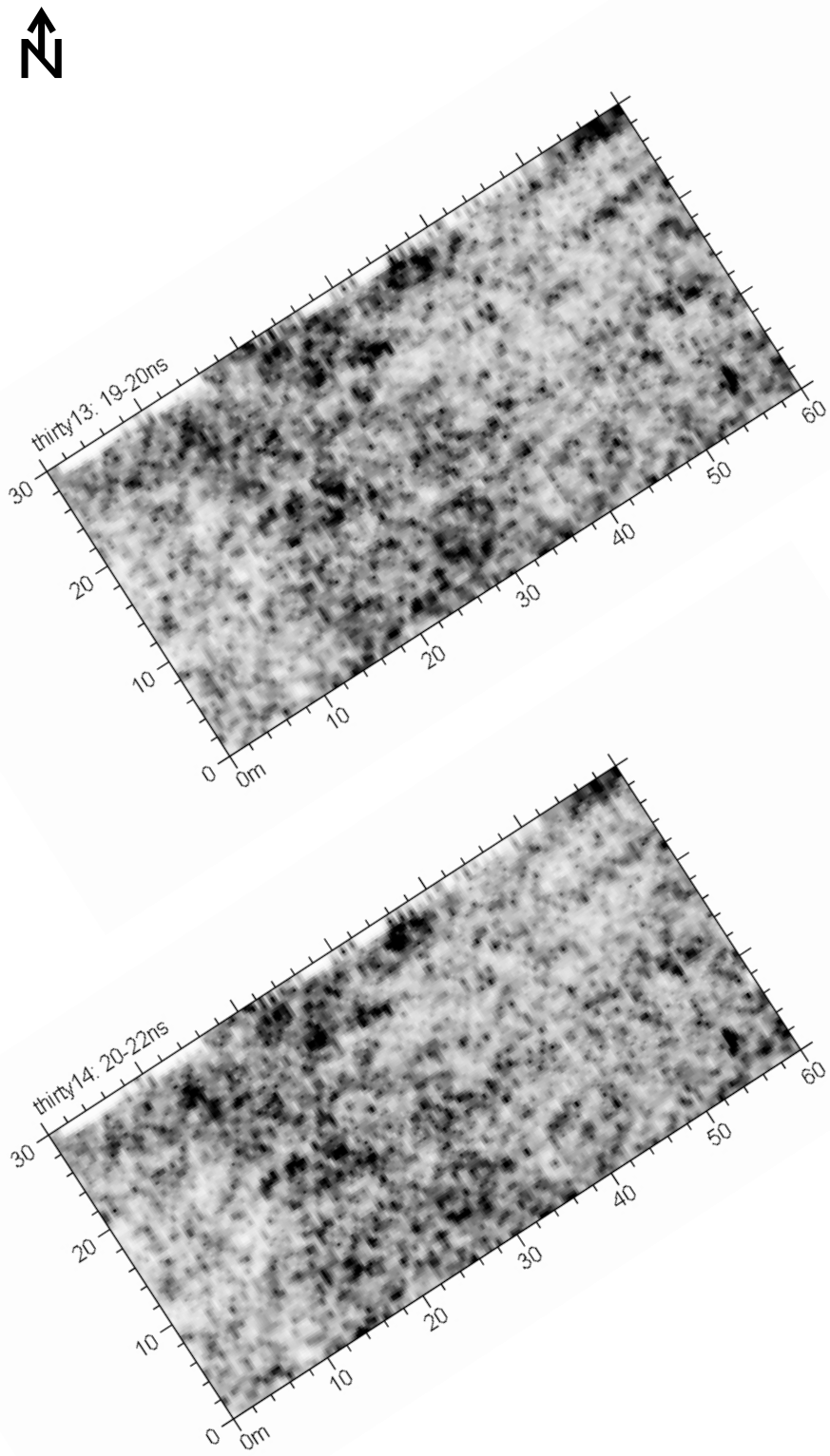
Scales in metres. Darker colour indicates higher amplitude response.

Figure 11.57 500MHz radar survey, timeslices 9 and 10, Drizzlecombe



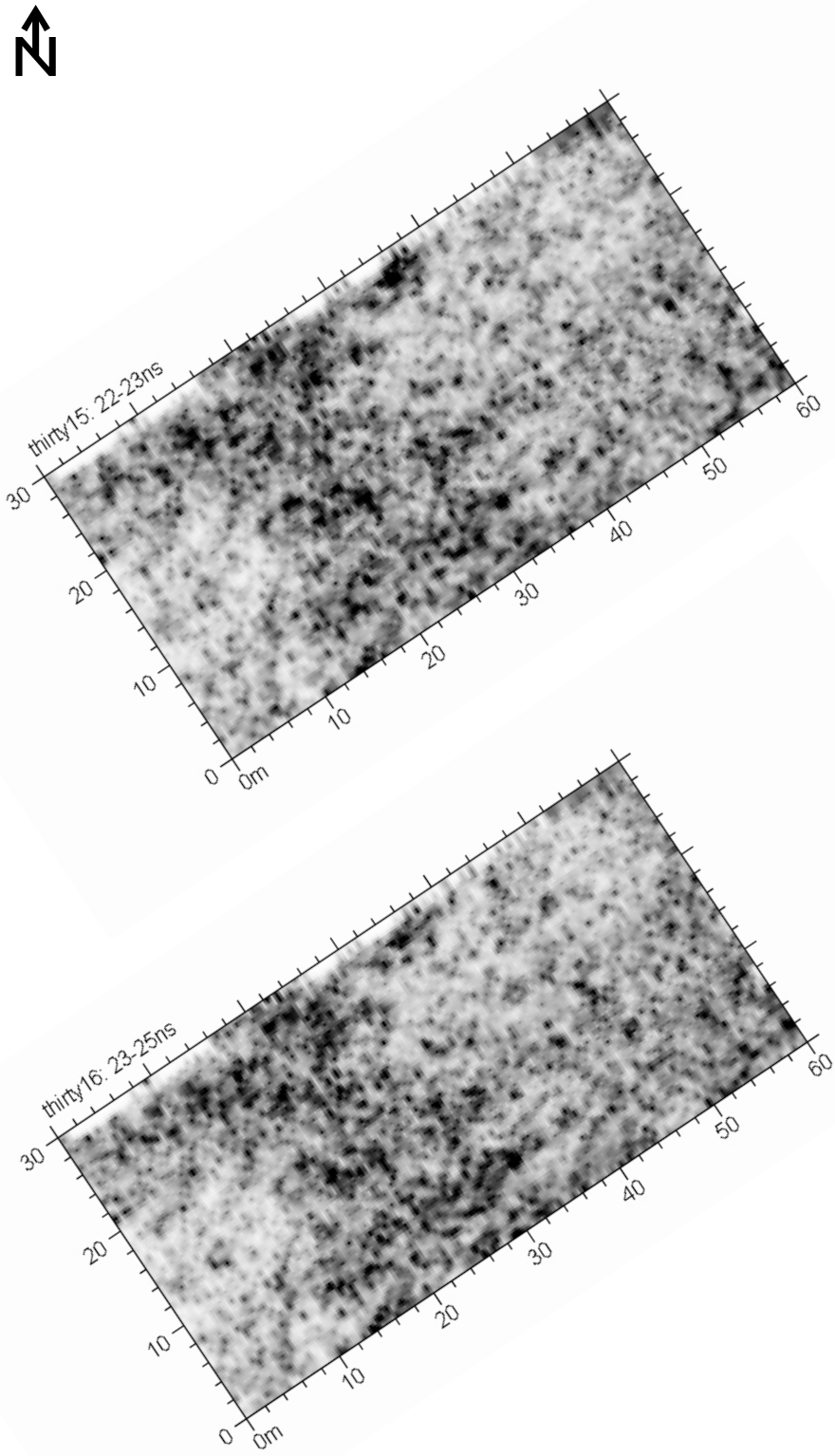
Scales in metres. Darker colour indicates higher amplitude response.

Figure 11.58 500MHz radar survey, timeslices 11 and 12, Drizzlecombe



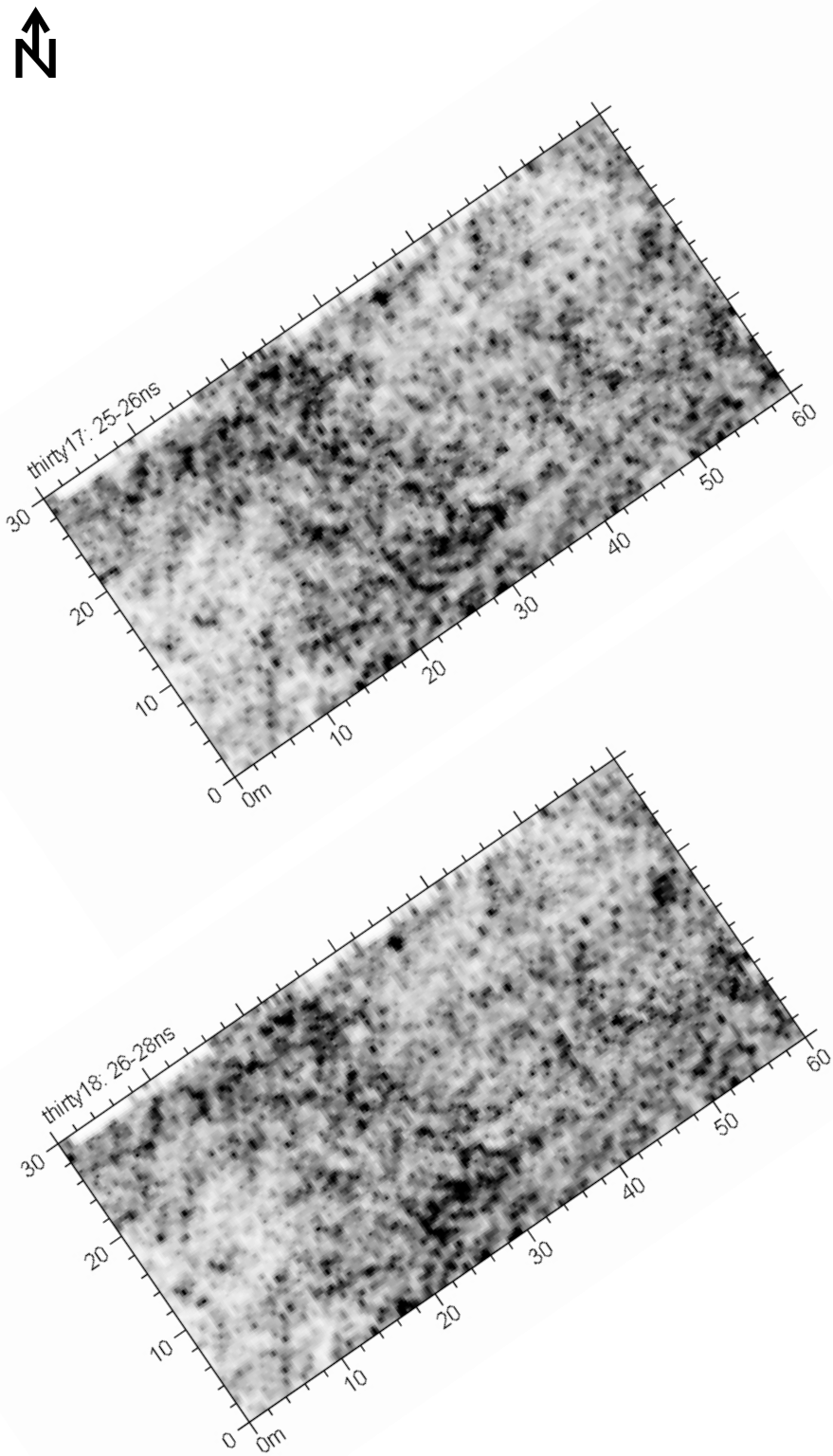
Scales in metres. Darker colour indicates higher amplitude response.

Figure 11.59 500MHz radar survey, timeslices 13 and 14, Drizzlecombe



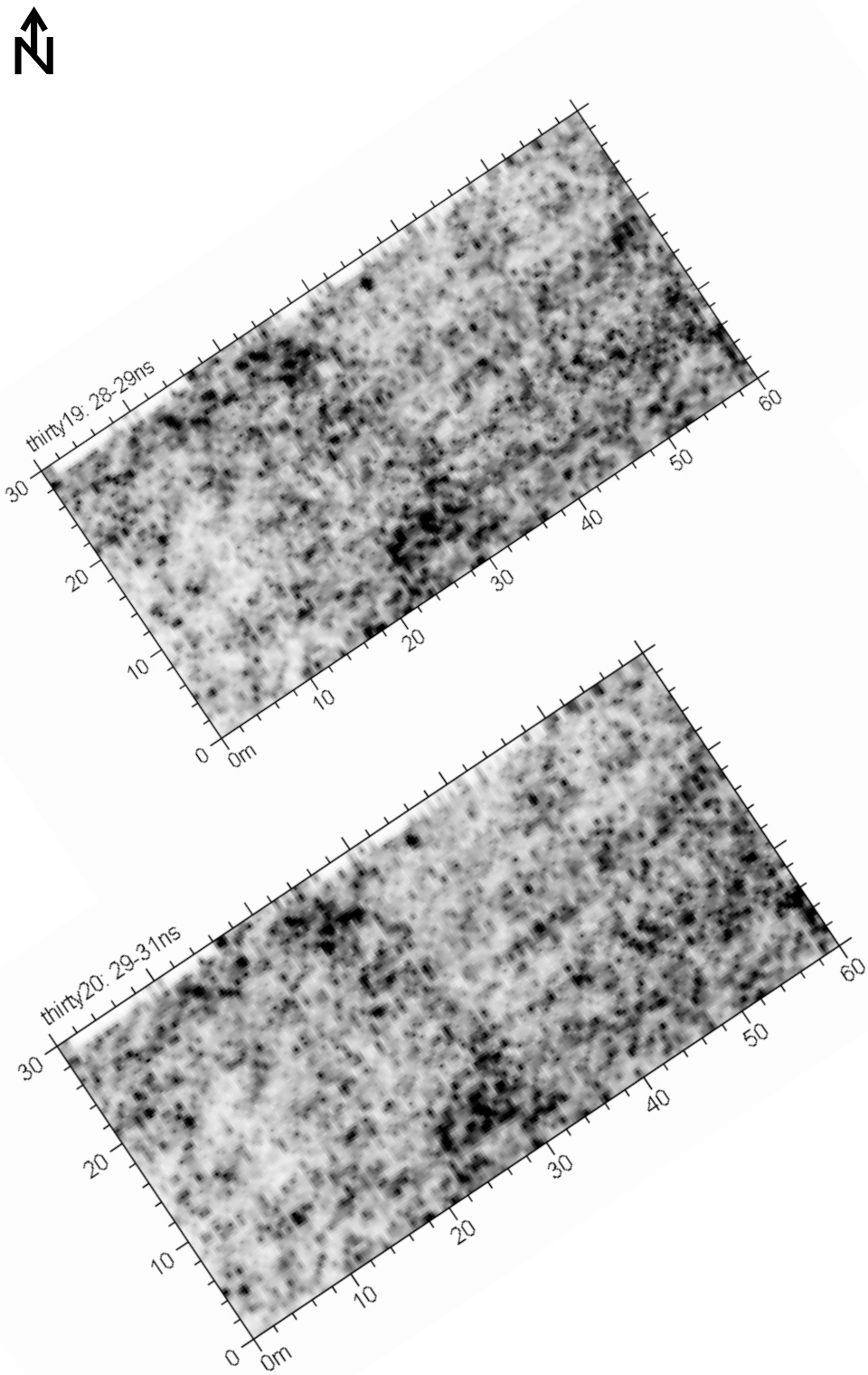
Scales in metres. Darker colour indicates higher amplitude response.

Figure 11.60 500MHz radar survey, timeslices 15 and 16, Drizzlecombe



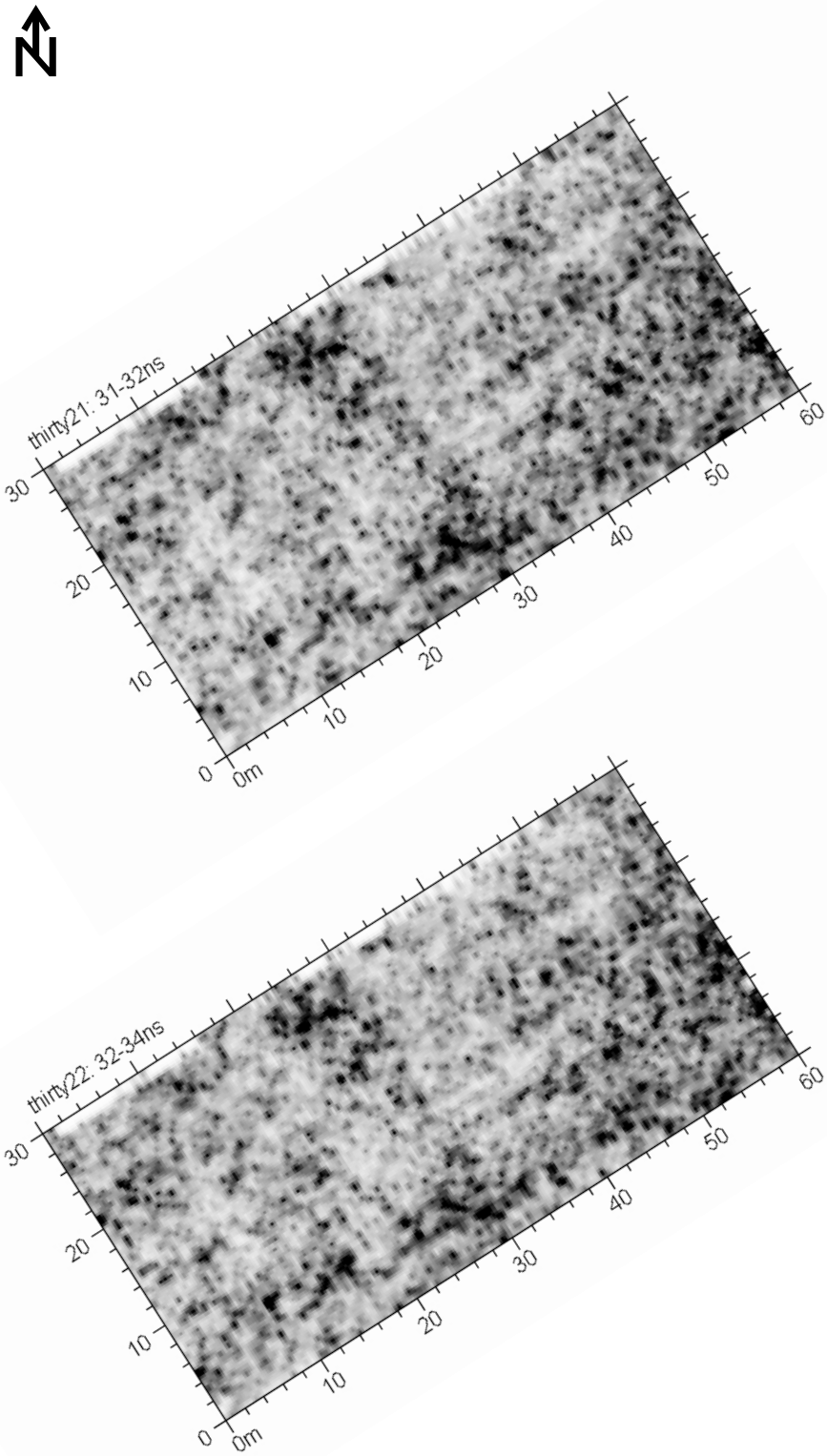
Scales in metres. Darker colour indicates higher amplitude response.

Figure 11.61 500MHz radar survey, timeslices 17 and 18, Drizzlecombe



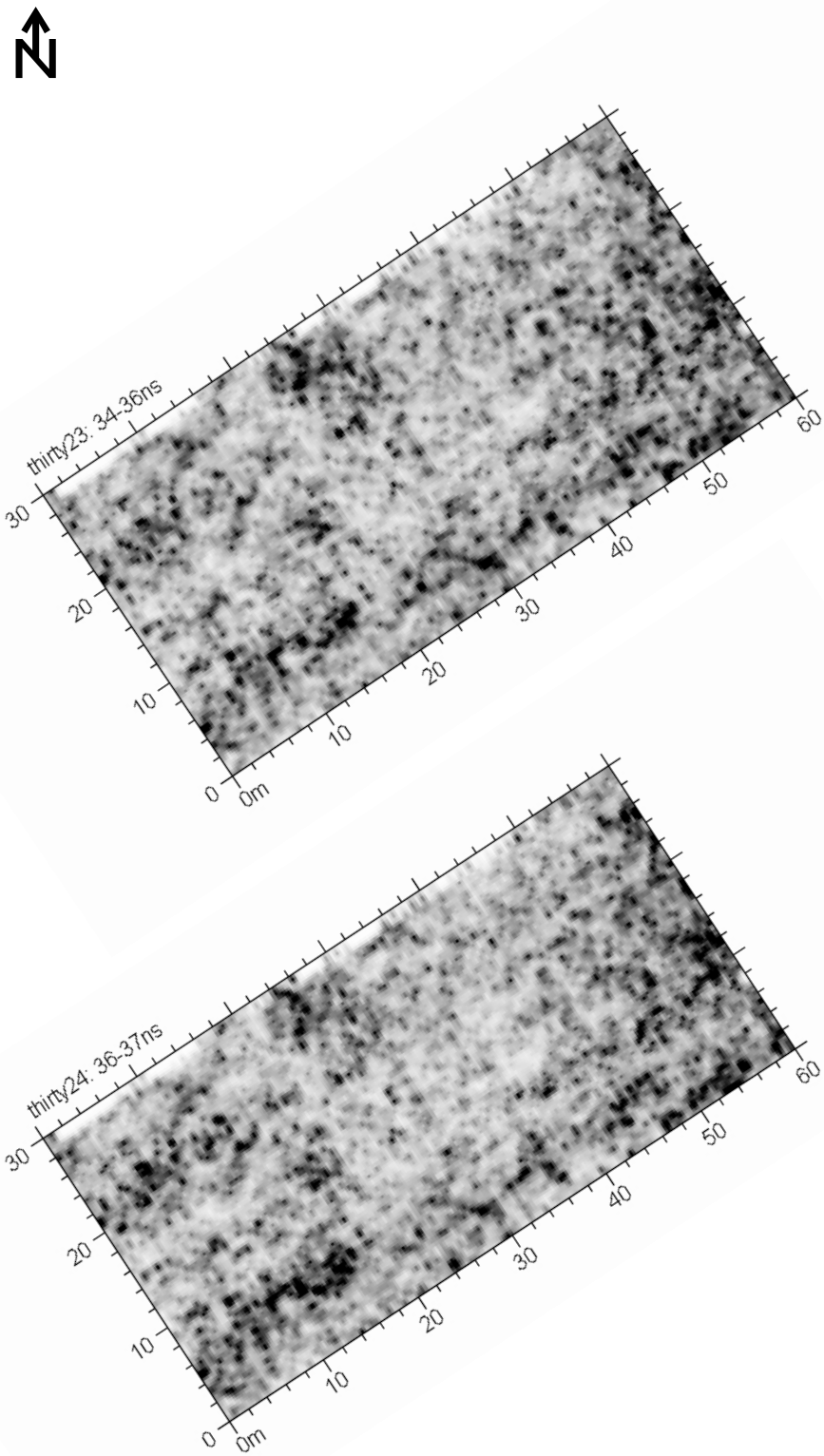
Scales in metres. Darker colour indicates higher amplitude response.

Figure 11.62 500MHz radar survey, timeslices 19 and 20, Drizzlecombe



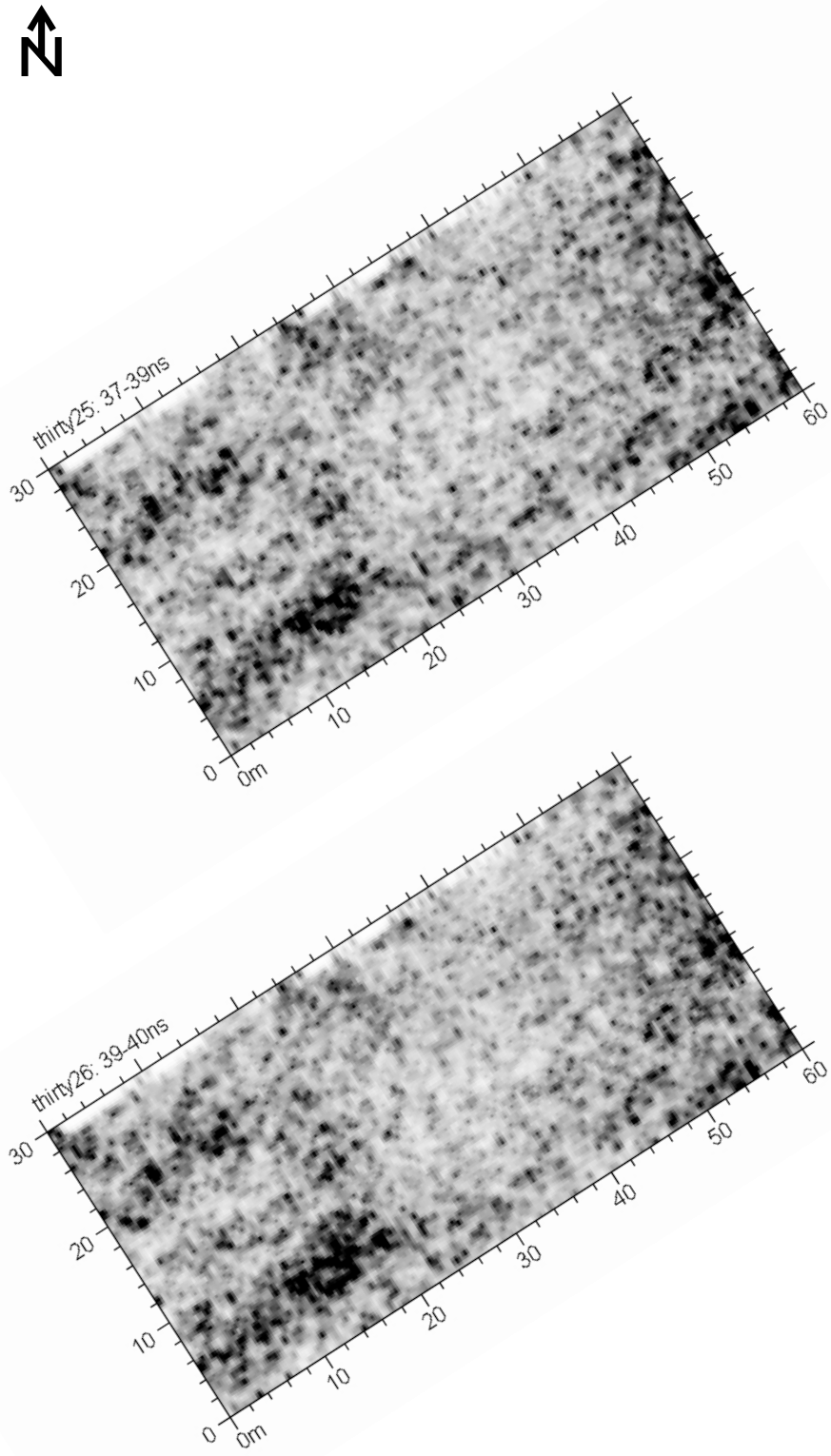
Scales in metres. Darker colour indicates higher amplitude response.

Figure 11.63 500MHz radar survey, timeslices 21 and 22, Drizzlecombe



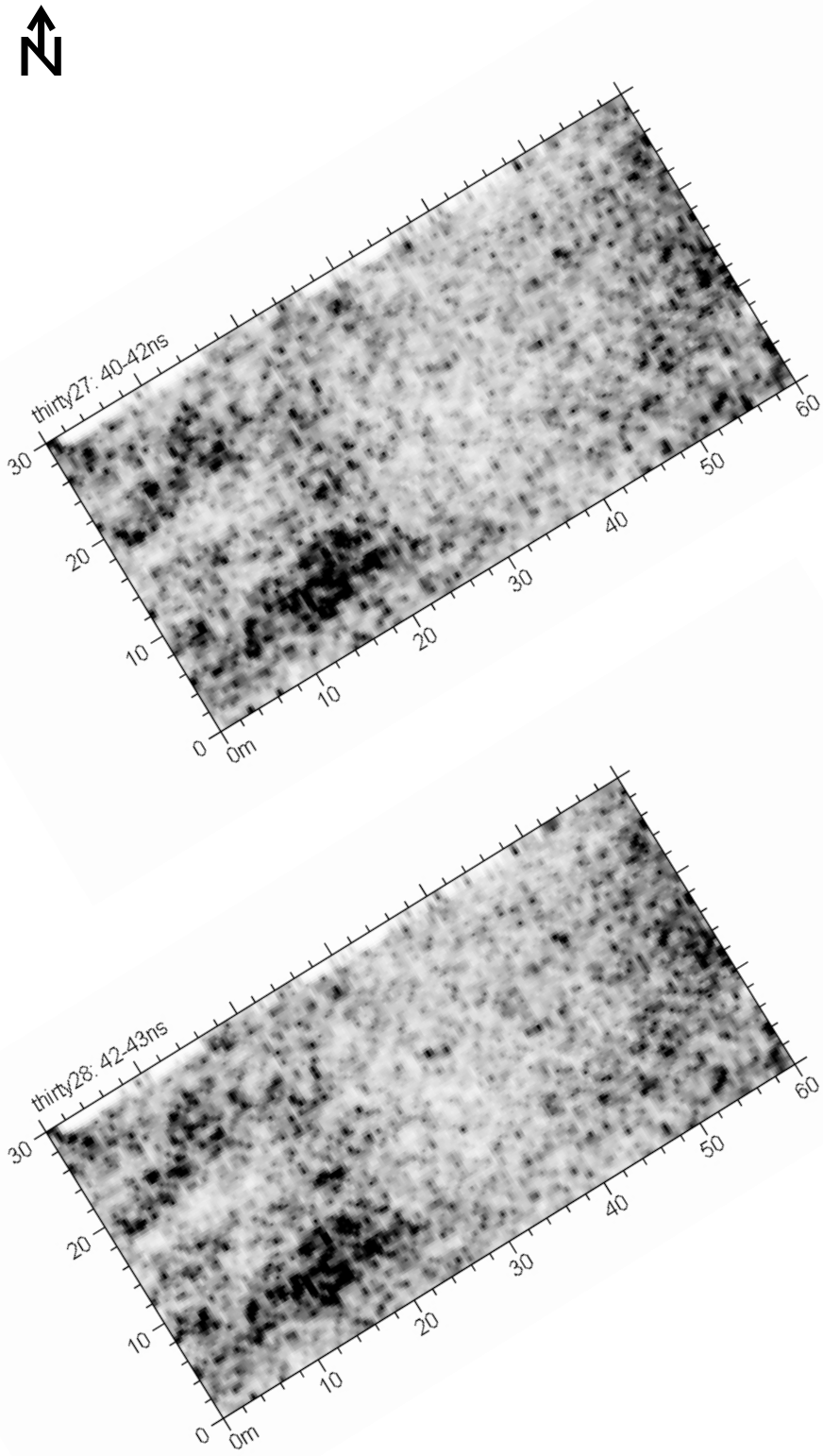
Scales in metres. Darker colour indicates higher amplitude response.

Figure 11.64 500MHz radar survey, timeslices 23 and 24, Drizzlecombe



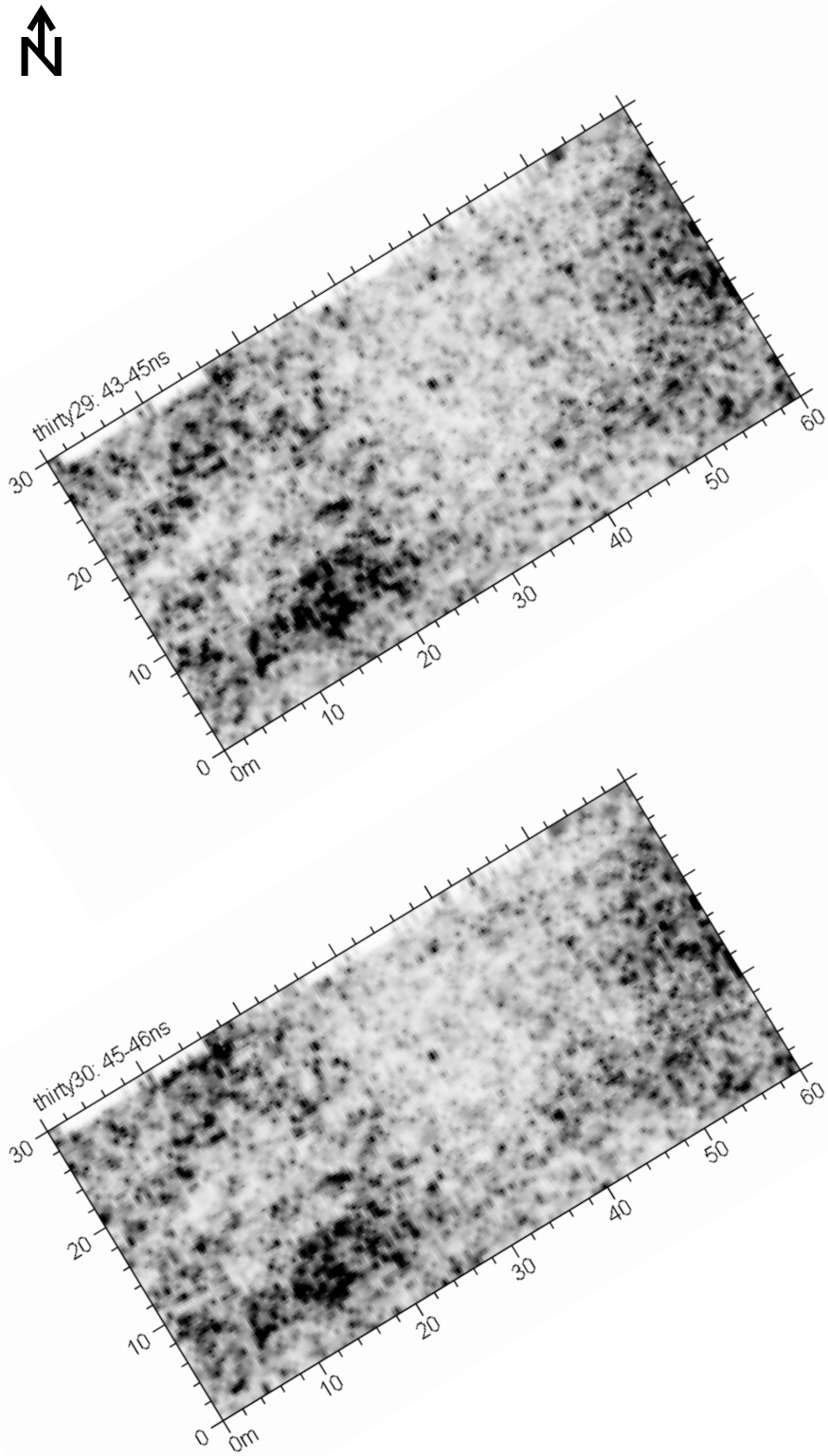
Scales in metres. Darker colour indicates higher amplitude response.

Figure 11.65 500MHz radar survey, timeslices 25 and 26, Drizzlecombe



Scales in metres. Darker colour indicates higher amplitude response.

Figure 11.66 500MHz radar survey, timeslices 27 and 28, Drizzlecombe



Scales in metres. Darker colour indicates higher amplitude response.

Figure 11.67 500MHz radar survey, timeslices 29 and 30, Drizzlecombe

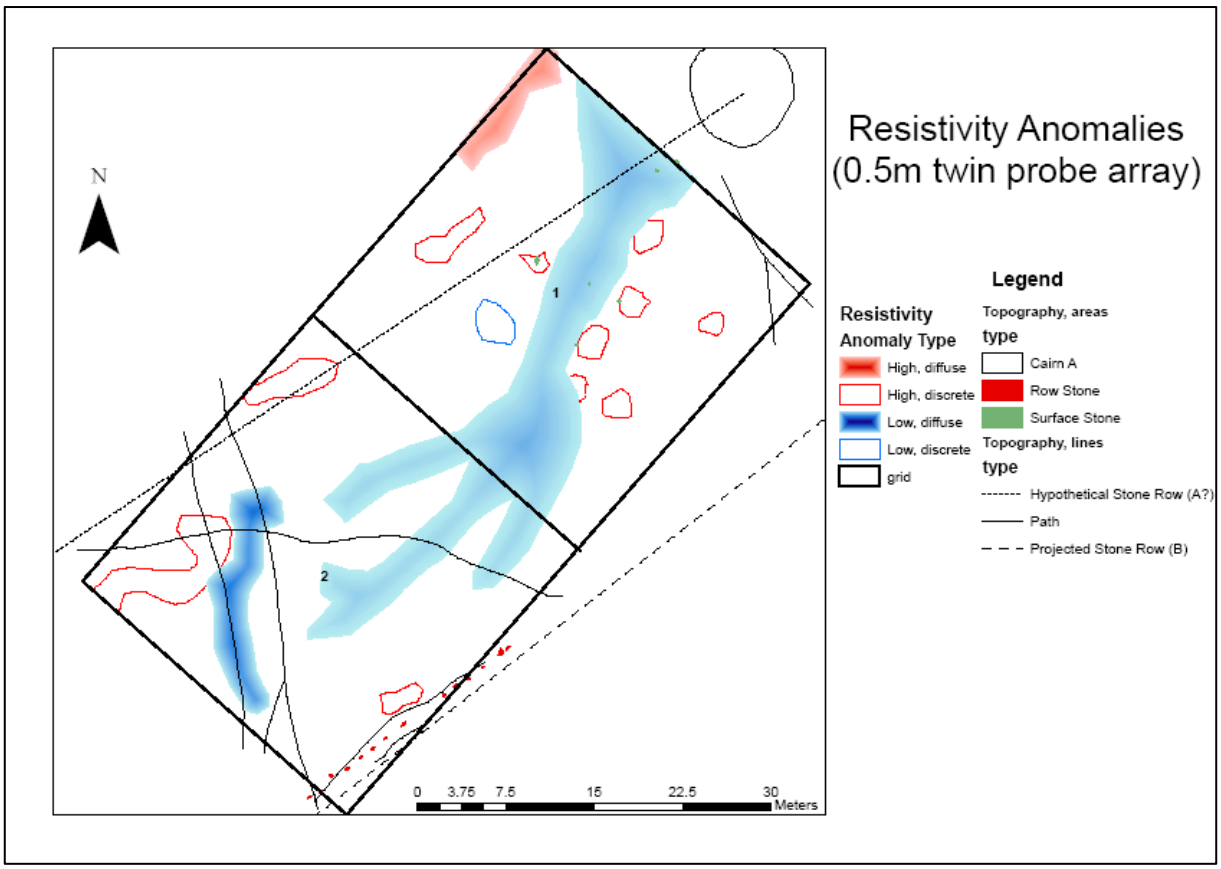


Figure 11.68 Resistivity interpretation, Drizzlecombe

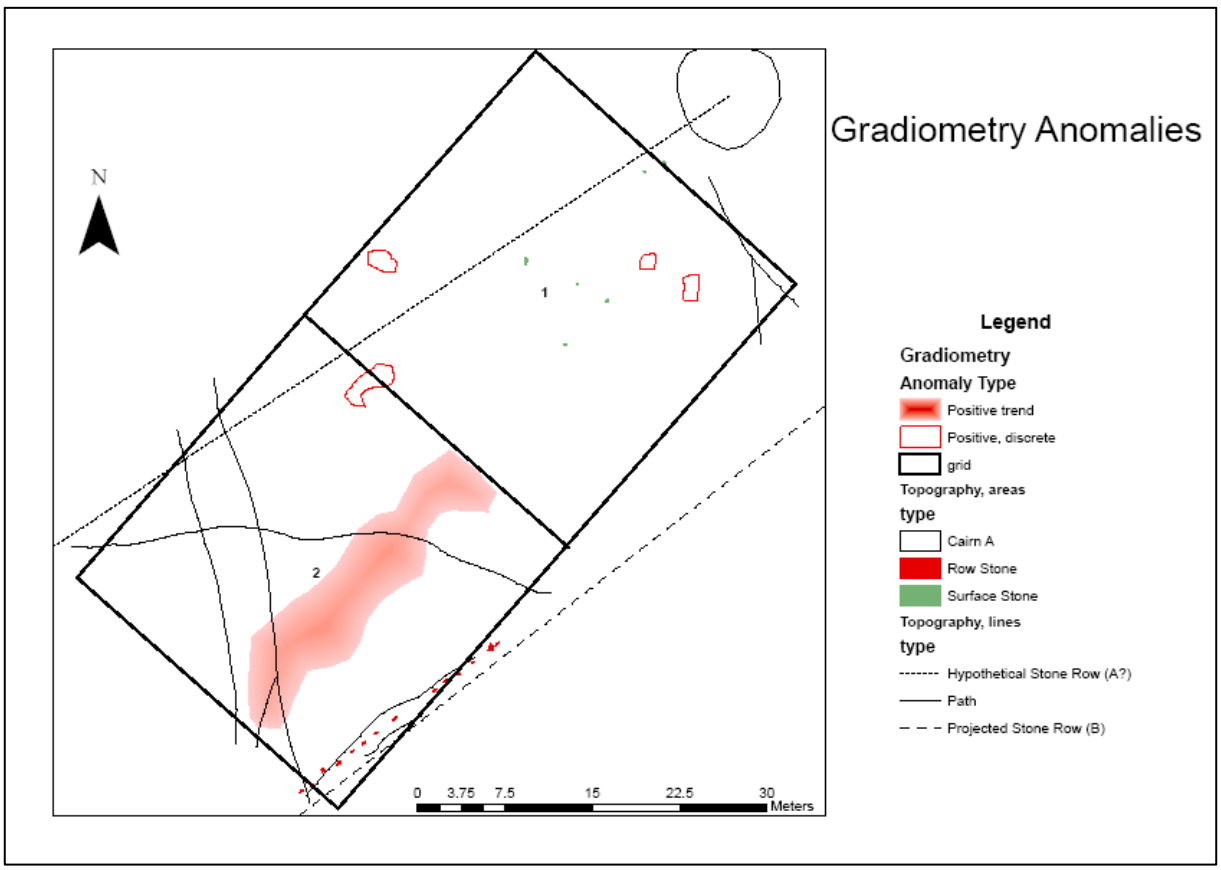


Figure 11.69 Gradiometer interpretation, Drizzlecombe

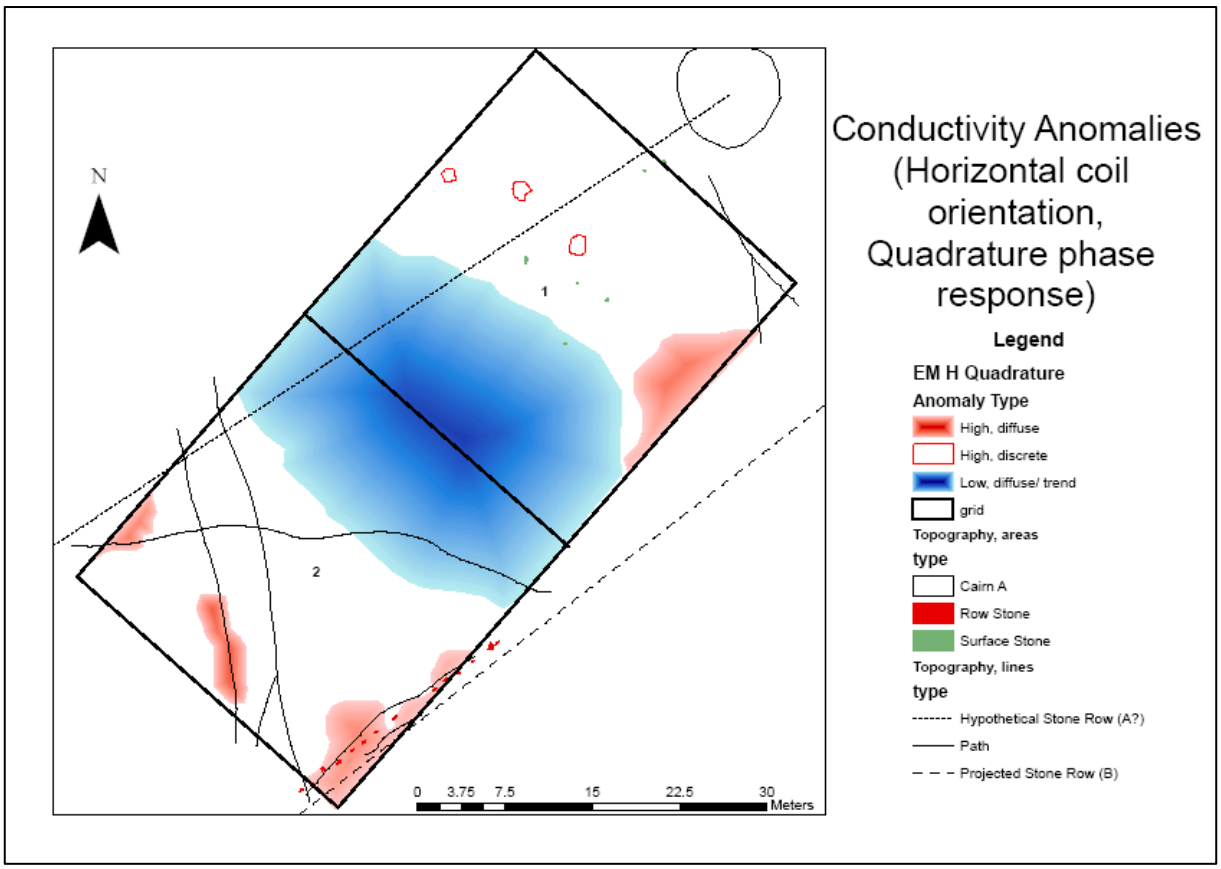


Figure 11.70 Horizontal EM quadrature interpretation, Drizzlecombe

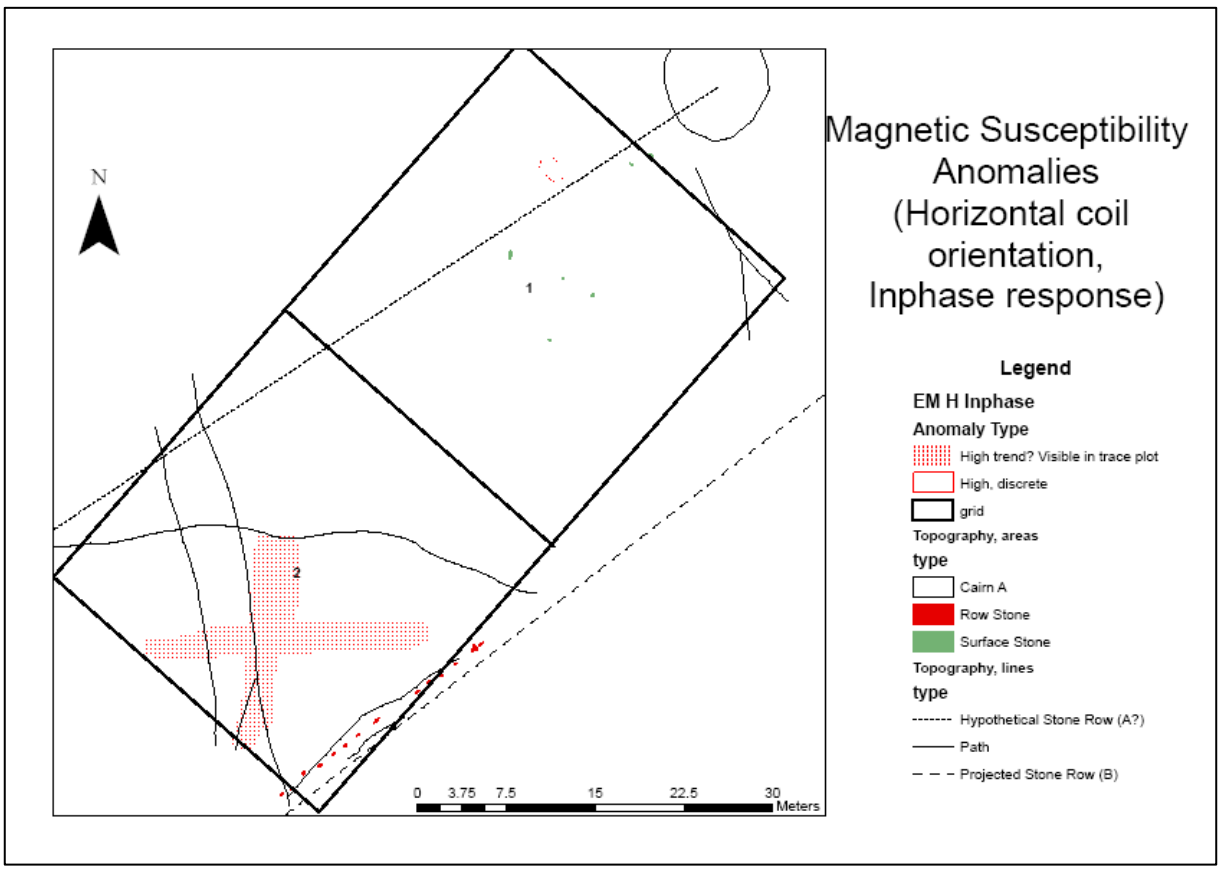


Figure 11.71 Horizontal EM inphase interpretation, Drizzlecombe

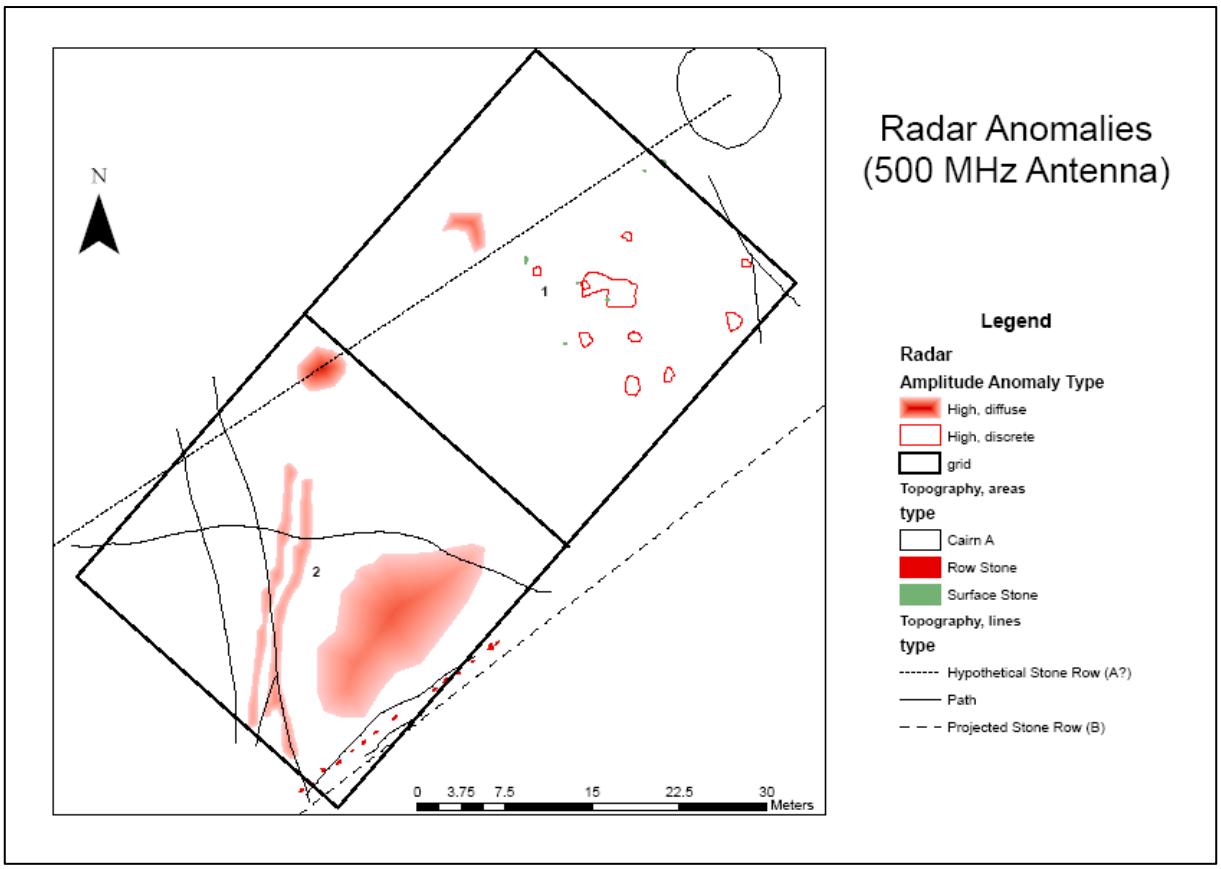


Figure 11.72 500MHz radar survey interpretation, Drizzlecombe

Purported terminal stone

Terminal of row 'B' – the smallest in the complex

Figure 11.73 Actual and potential terminal stones, Drizzlecombe

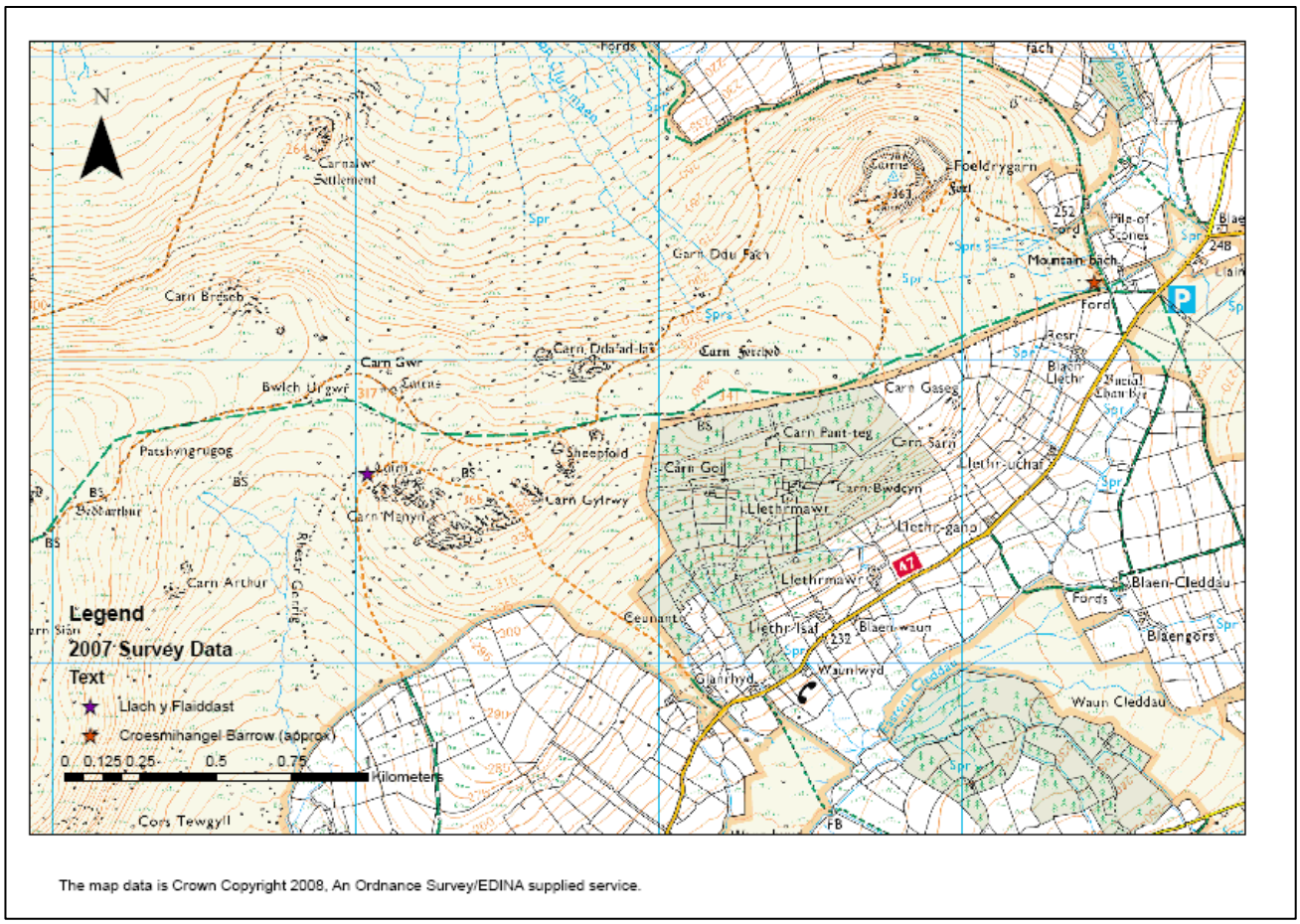


Figure 12.1 Carn Menyn landscape context

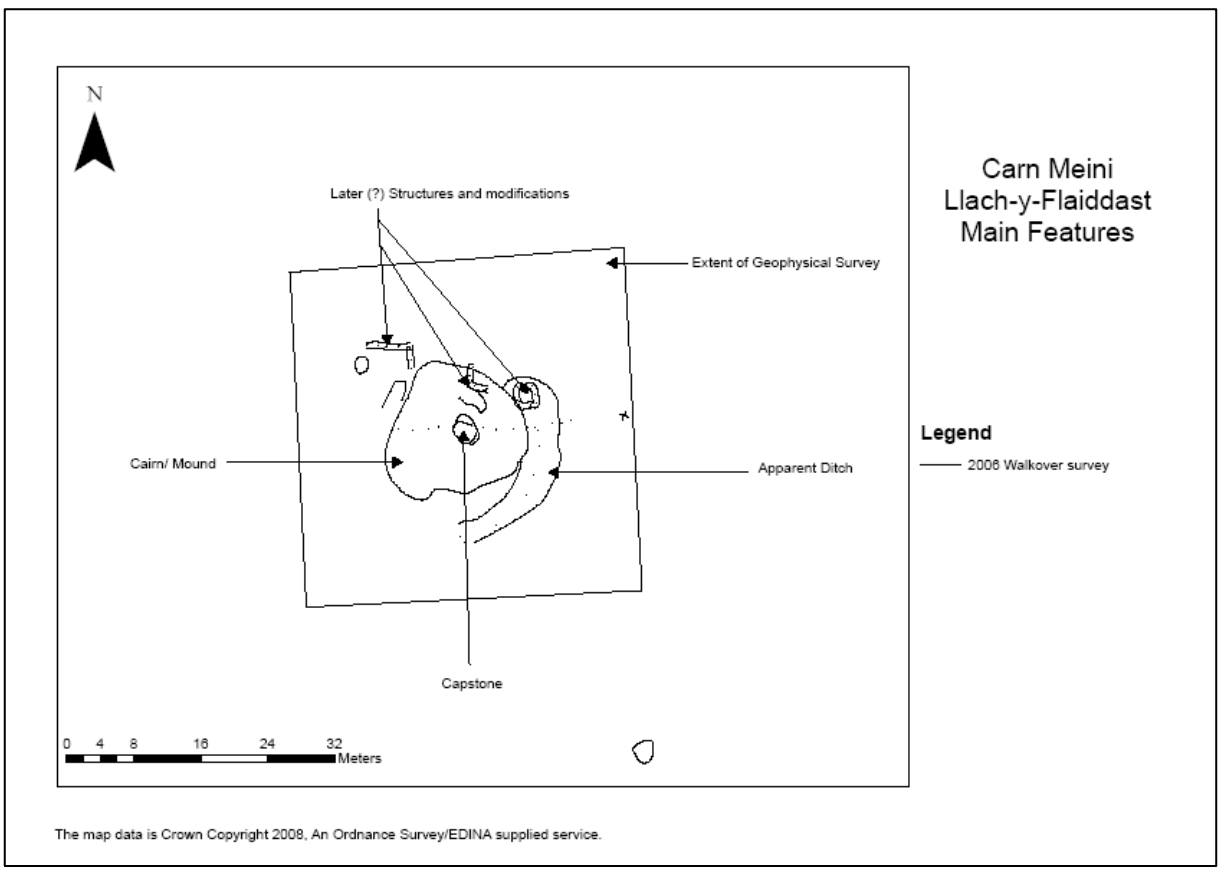


Figure 12.2 Llach y Flaiddast overview

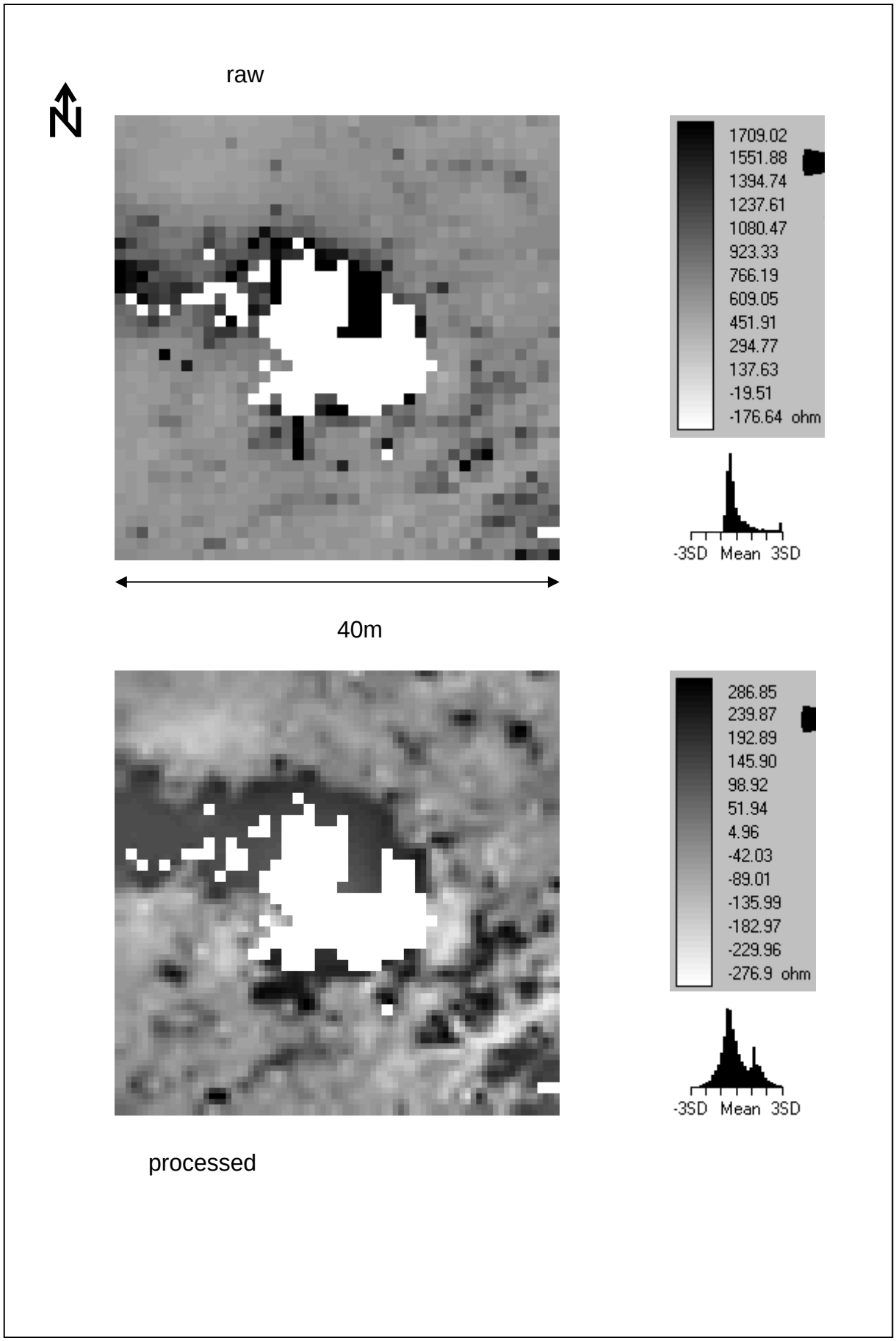


Figure 12.3 Resistivity survey, Llach y Flaiddast

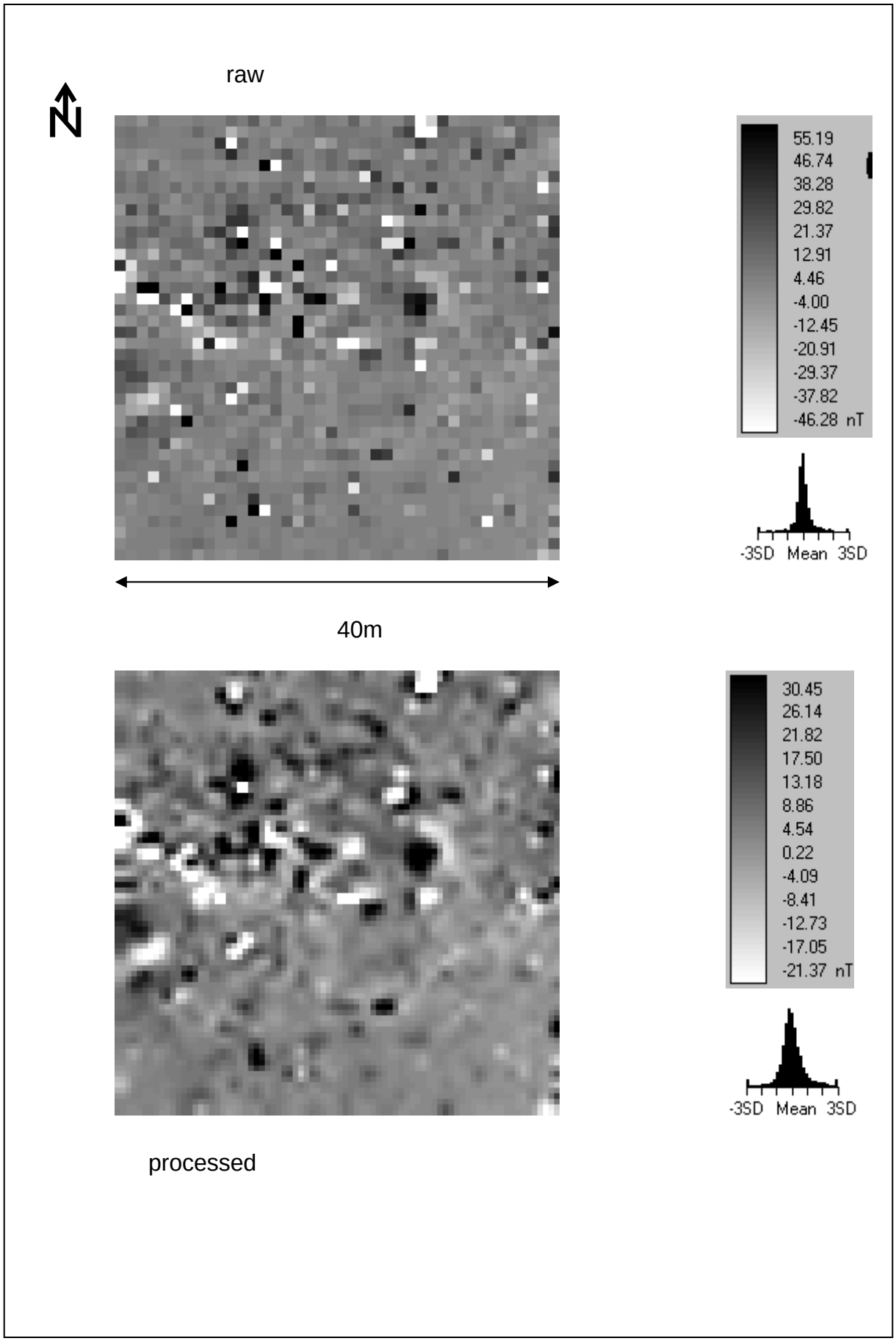


Figure 12.4 Gradiometer survey, Llach y Flaiddast

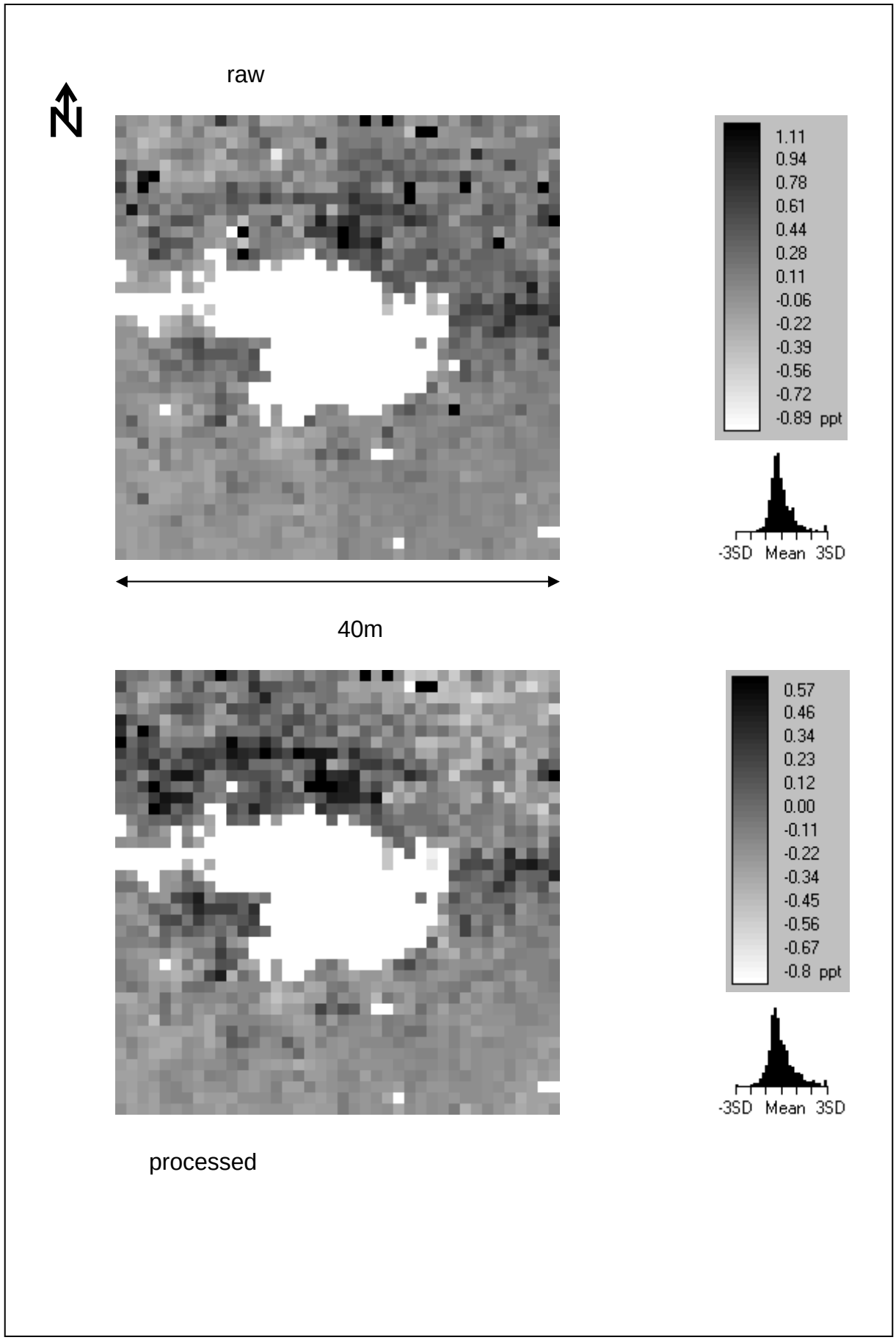


Figure 12.5 Vertical EM inphase survey, Llach y Flaiddast

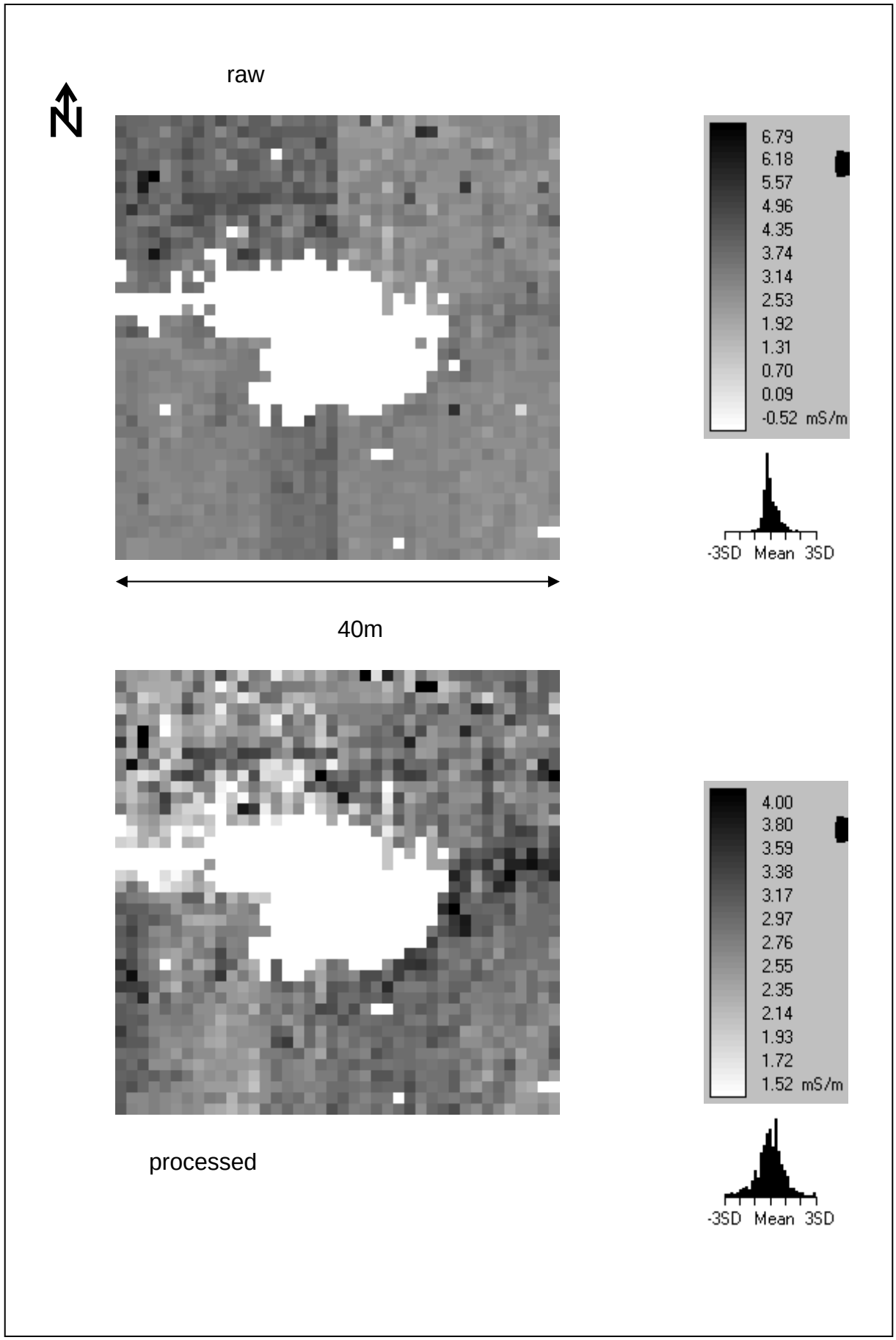
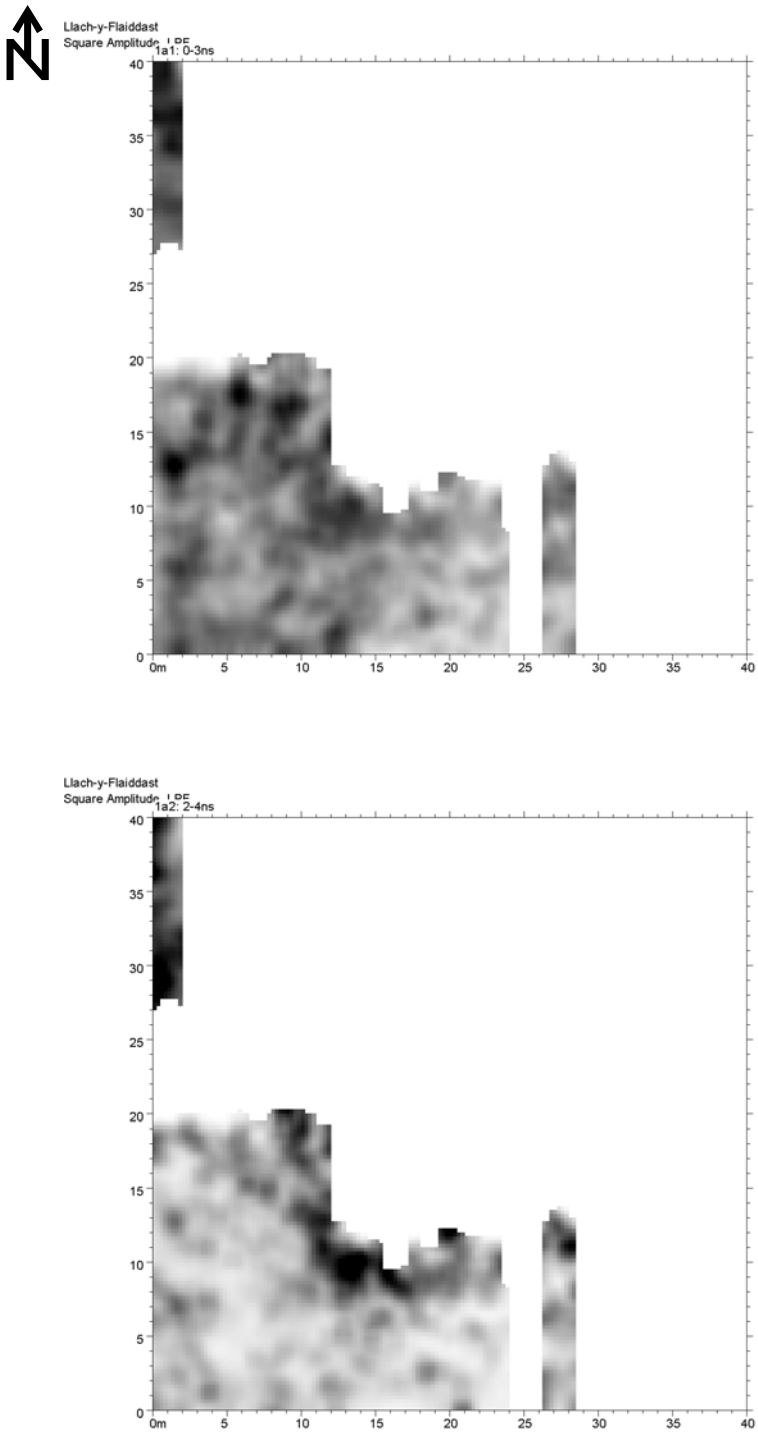


Figure 12.6 Vertical EM inphase survey, Llach y Flaiddast

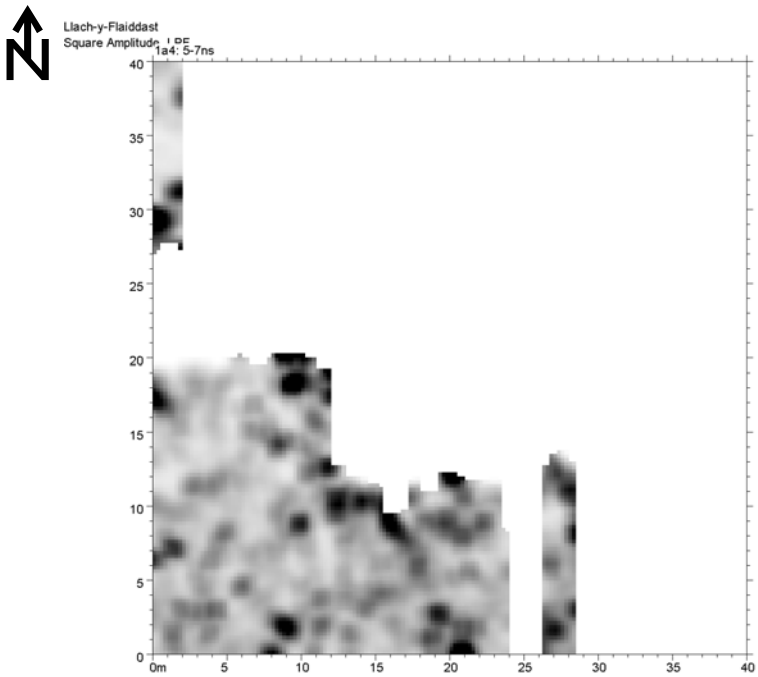
Slice	Time Window - ns	Depth (v=0.07m/ns)
1	0-2.54	0-0.09
2	1.62-4.16	0.06-0.15
3	3.24-5.78	0.11-0.2
4	4.85-7.39	0.17-0.26
5	6.47-9.01	0.23-0.32
6	8.09-10.63	0.28-0.37
7	9.71-12.25	0.34-0.43
8	11.33-13.87	0.4-0.49
9	12.95-15.48	0.45-0.54
10	14.56-17.1	0.51-0.6
11	16.18-18.72	0.57-0.66
12	17.8-20.34	0.62-0.71
13	19.42-21.96	0.68-0.77
14	21.04-23.58	0.74-0.83
15	22.66-25.19	0.79-0.88
16	24.27-26.81	0.85-0.94
17	25.89-28.43	0.91-1
18	27.51-30.05	0.96-1.05
19	29.13-31.67	1.02-1.11
20	30.75-33.29	1.08-0.16
21	32.36-34.9	1.13-1.22
22	33.98-36.52	1.19-1.28
23	35.6-38.14	1.25-1.33
24	37.22-39.76	1.3-1.39
25	38.84-41.38	1.36-1.45
26	4.46-42.99	1.42-1.5
27	42.07-44.61	1.47-1.56
28	43.69-46.23	1.53-1.62
29	45.31-47.85	1.59-1.67
30	46.93-48.55	1.64-1.7

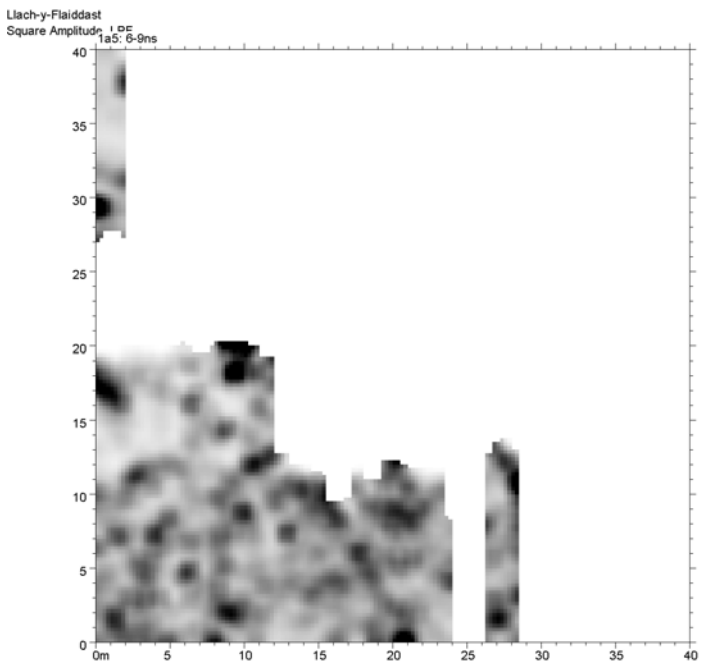
Figure 12.7 Estimated radar survey depths, Llach y Flaiddast



Scales in metres. Darker colour indicates higher amplitude response.

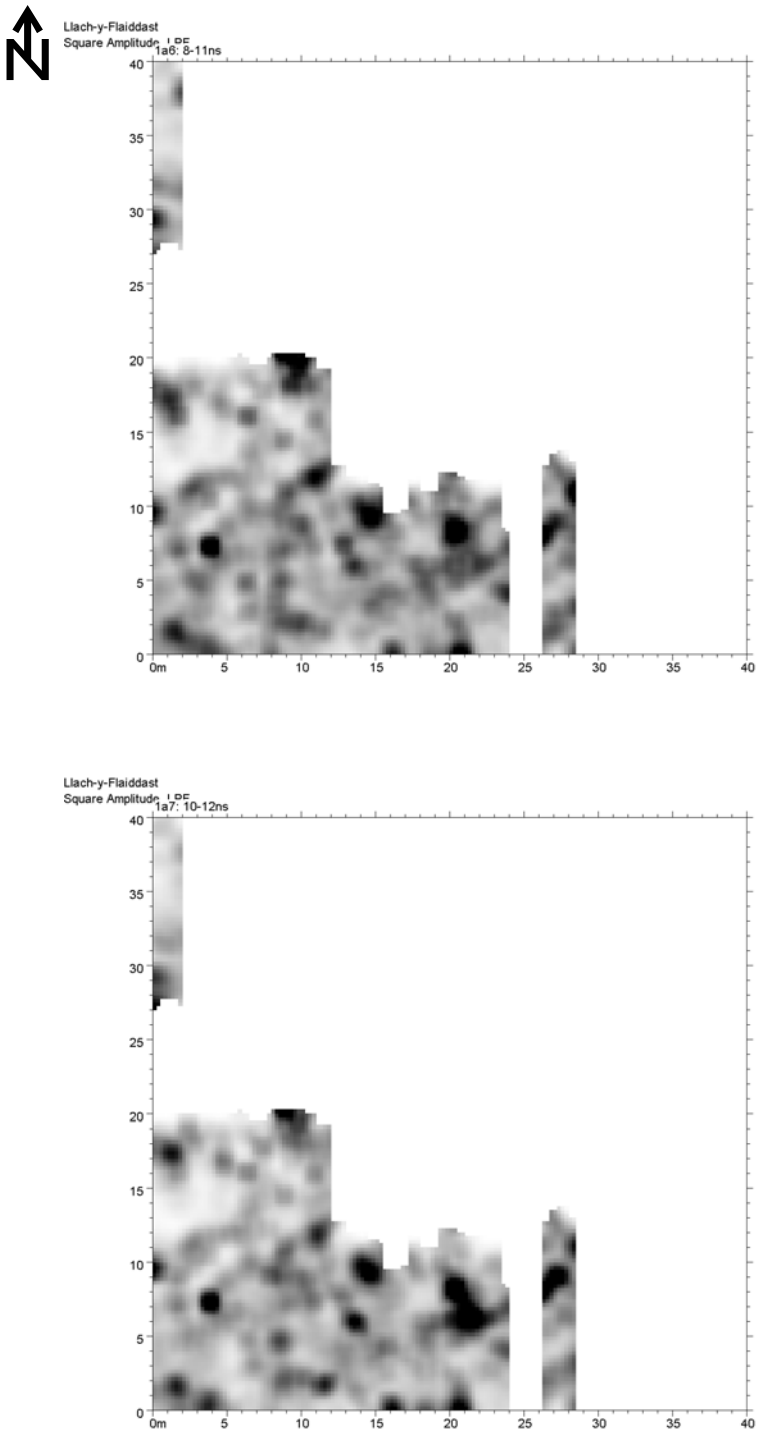
Figure 12.8 500MHz radar survey, timeslices 1 and 2, Llach y Flaiddast





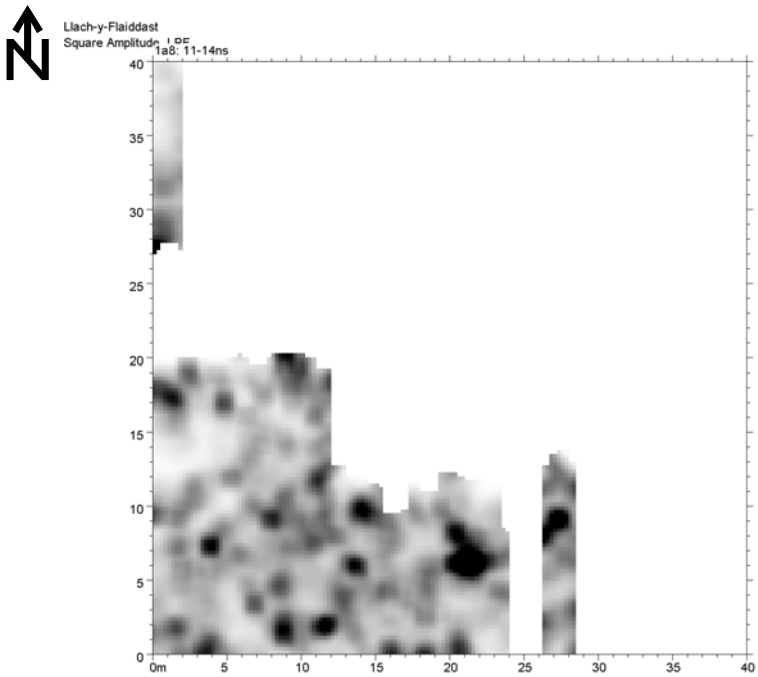
Scales in metres. Darker colour indicates higher amplitude response.

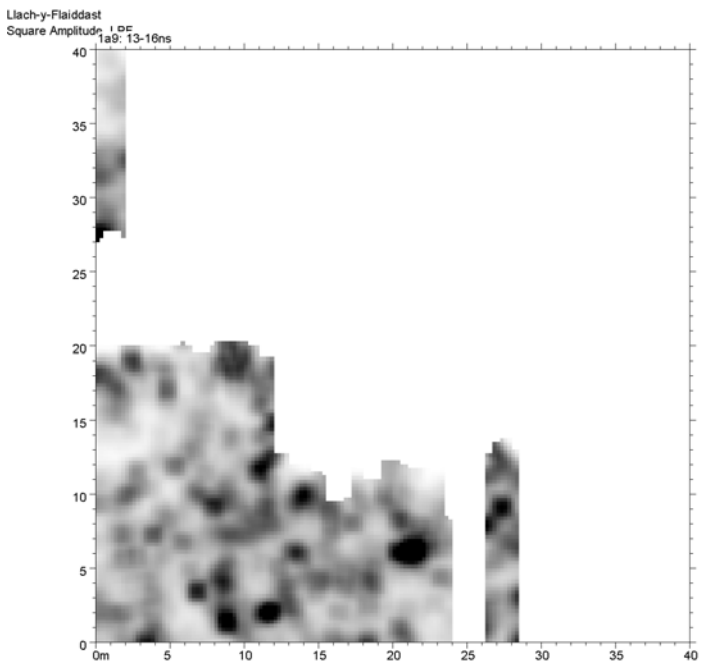
Figure 12.9 500MHz radar survey, timeslices 3 and 4, Llach y Flaiddast



Scales in metres. Darker colour indicates higher amplitude response.

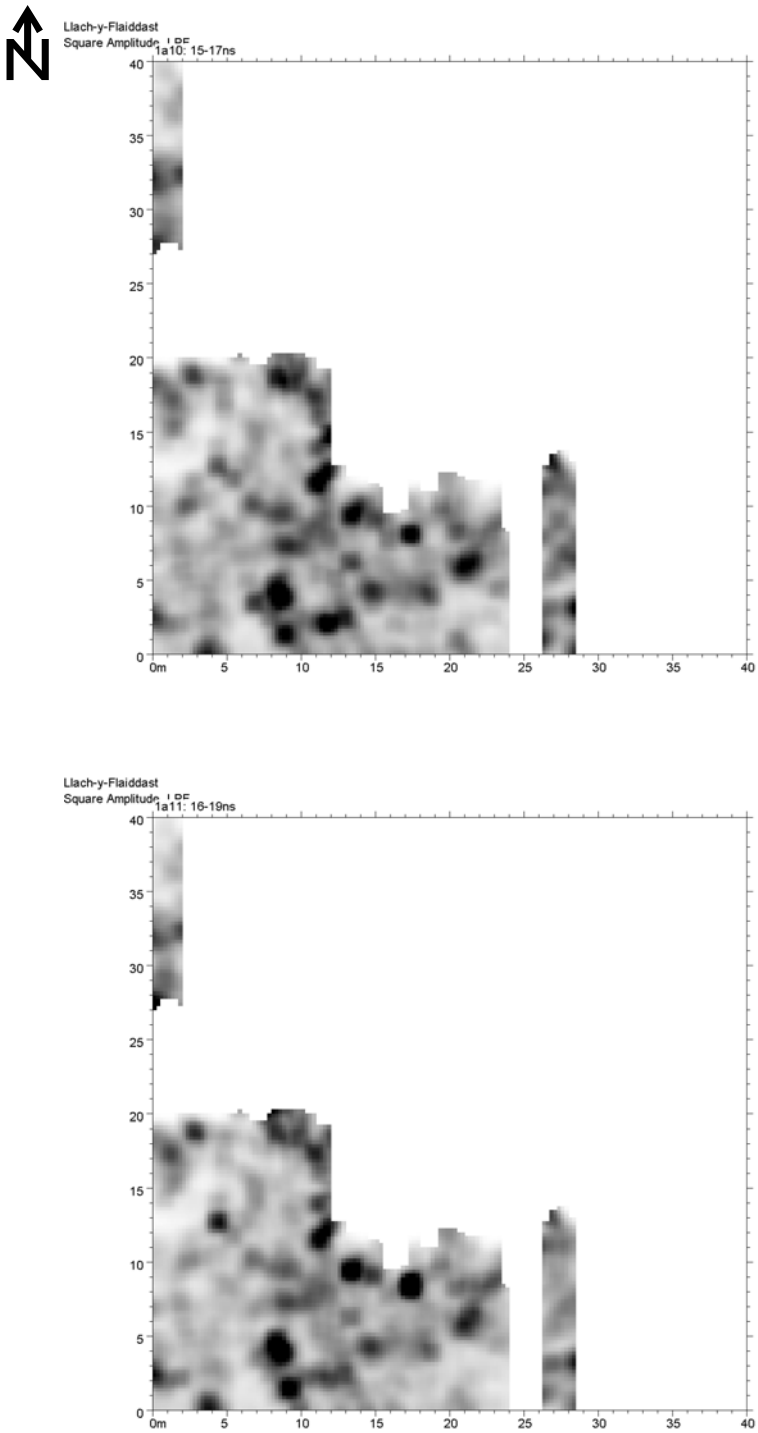
Figure 12.10 500MHz radar survey, timeslices 5 and 6, Llach y Flaiddast





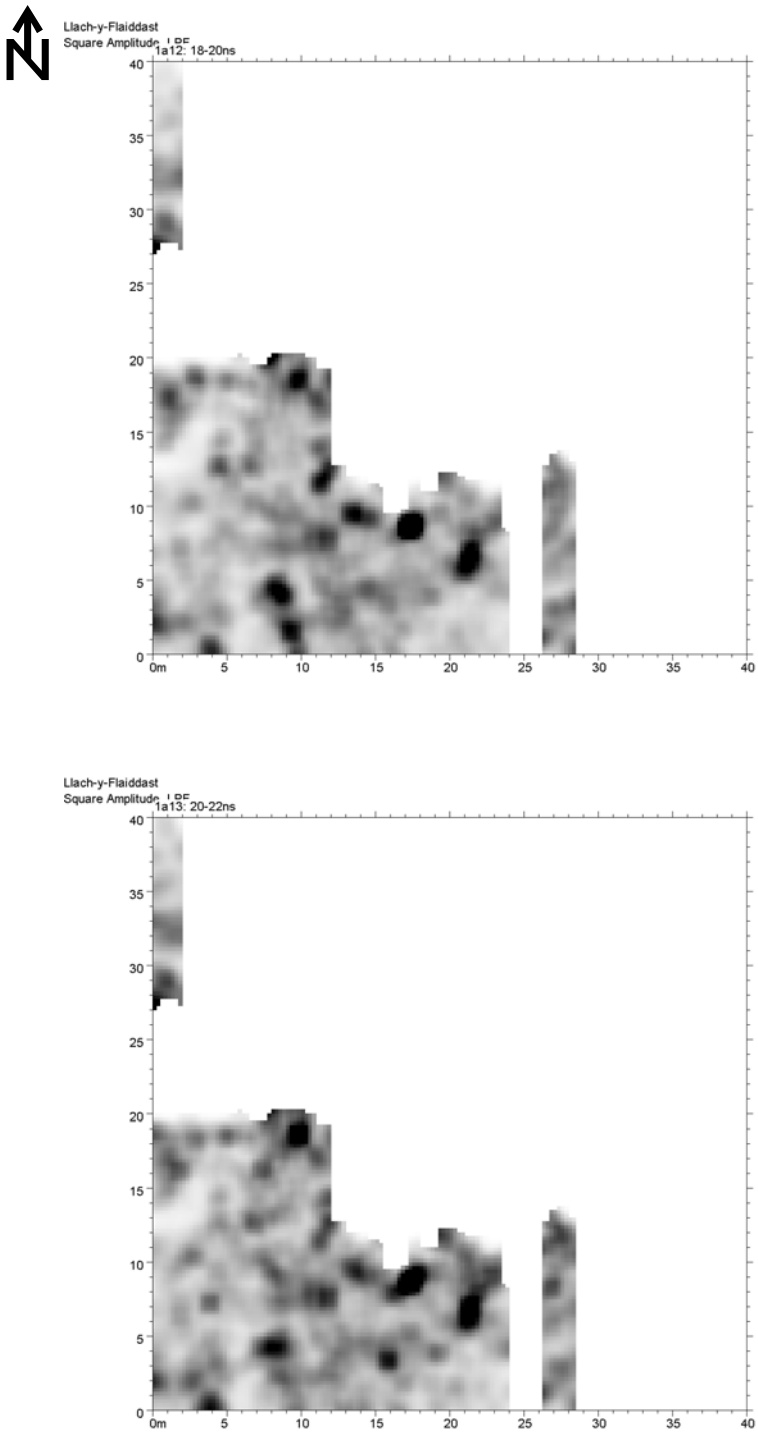
Scales in metres. Darker colour indicates higher amplitude response.

Figure 12.11 500MHz radar survey, timeslices 7 and 8, Llach y Flaiddast



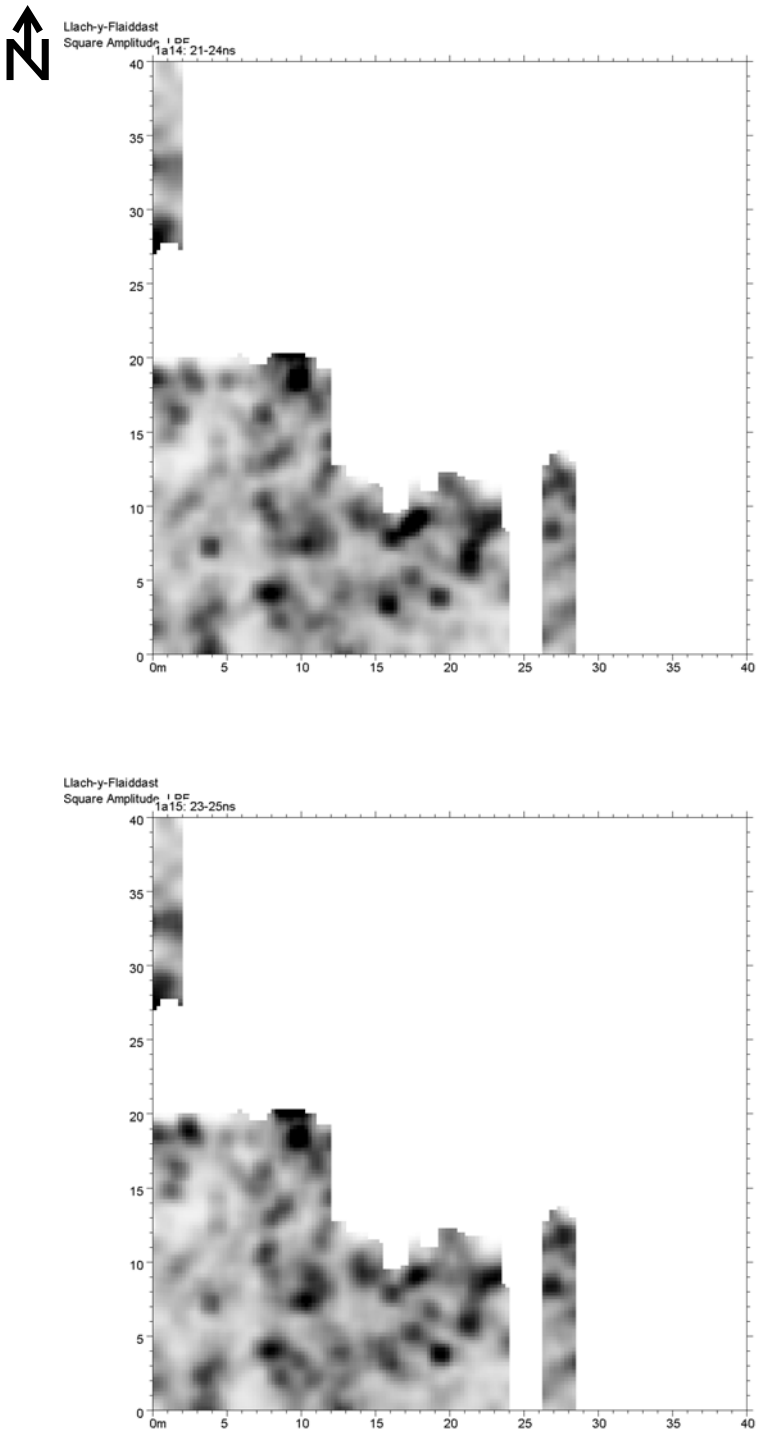
Scales in metres. Darker colour indicates higher amplitude response.

Figure 12.12 500MHz radar survey, timeslices 9 and 10, Llach y Flaiddast



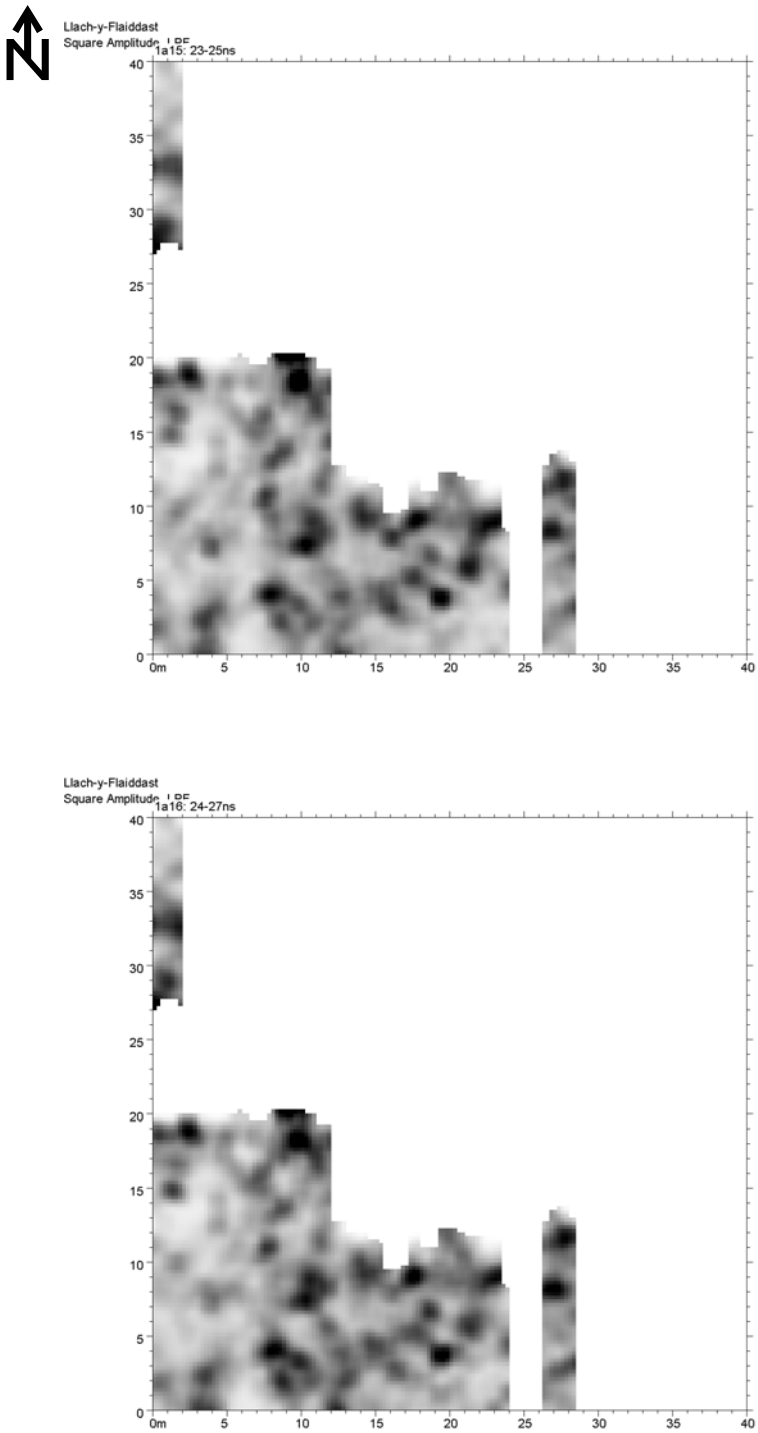
Scales in metres. Darker colour indicates higher amplitude response.

Figure 12.13 500MHz radar survey, timeslices 11 and 12, Llach y Flaiddast



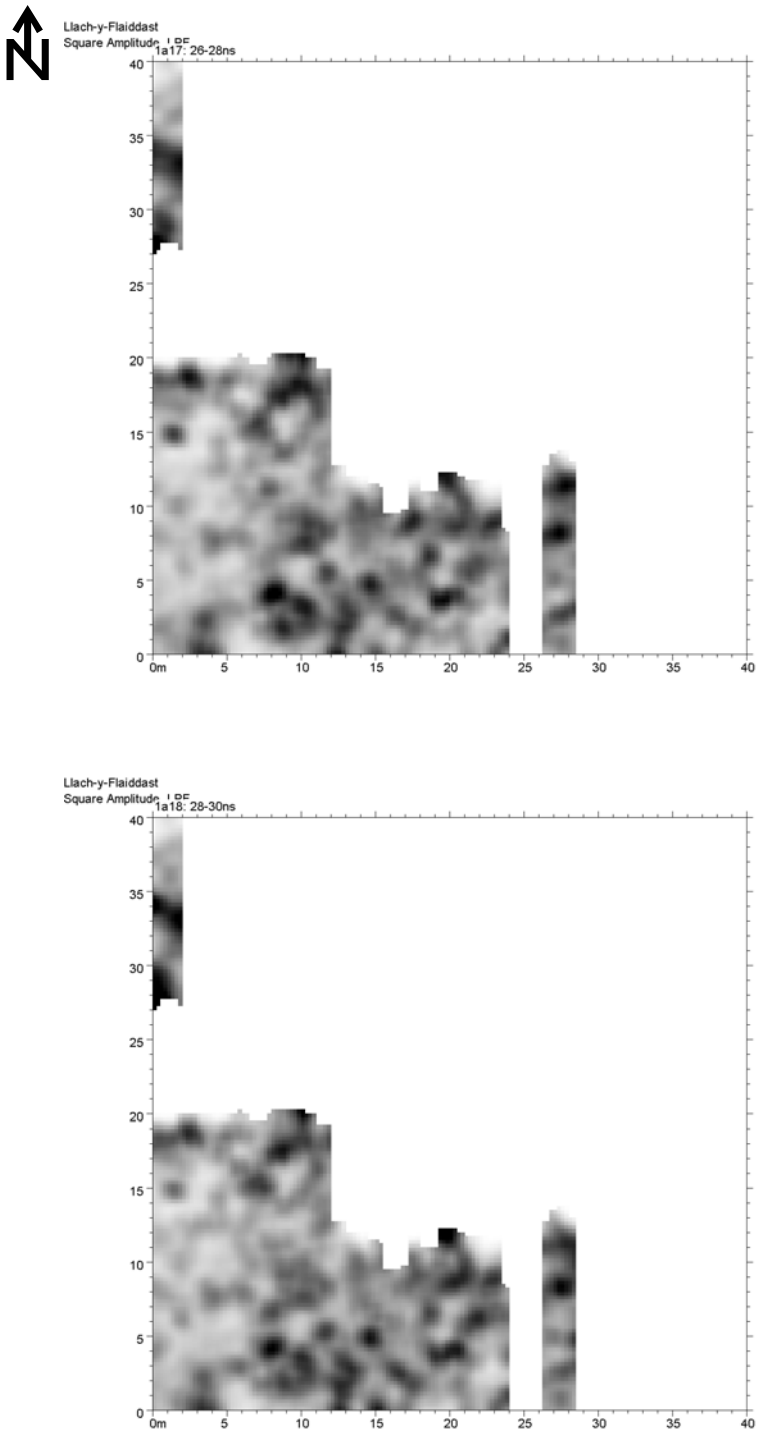
Scales in metres. Darker colour indicates higher amplitude response.

Figure 12.14 500MHz radar survey, timeslices 13 and 14, Llach y Flaiddast



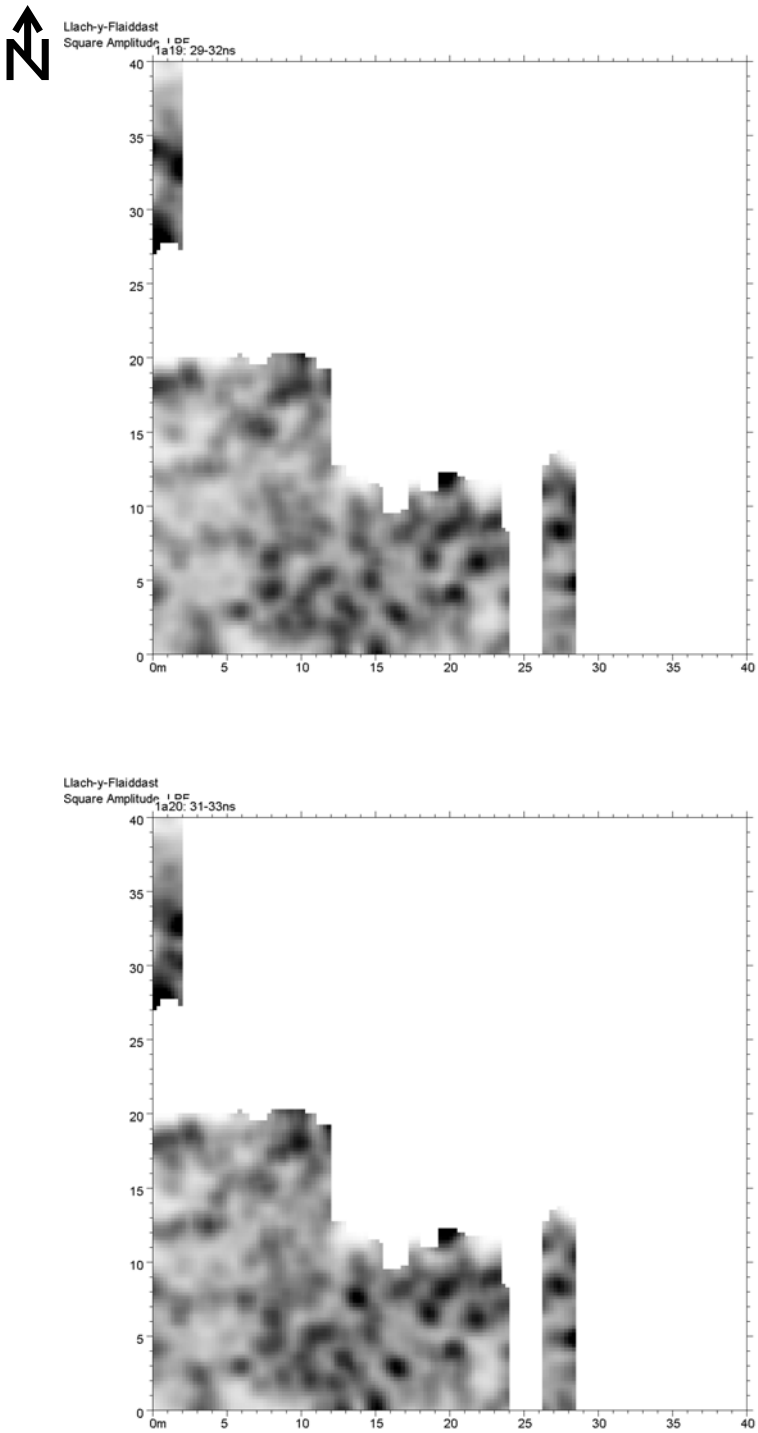
Scales in metres. Darker colour indicates higher amplitude response.

Figure 12.15 500MHz radar survey, timeslices 15 and 16, Llach y Flaiddast



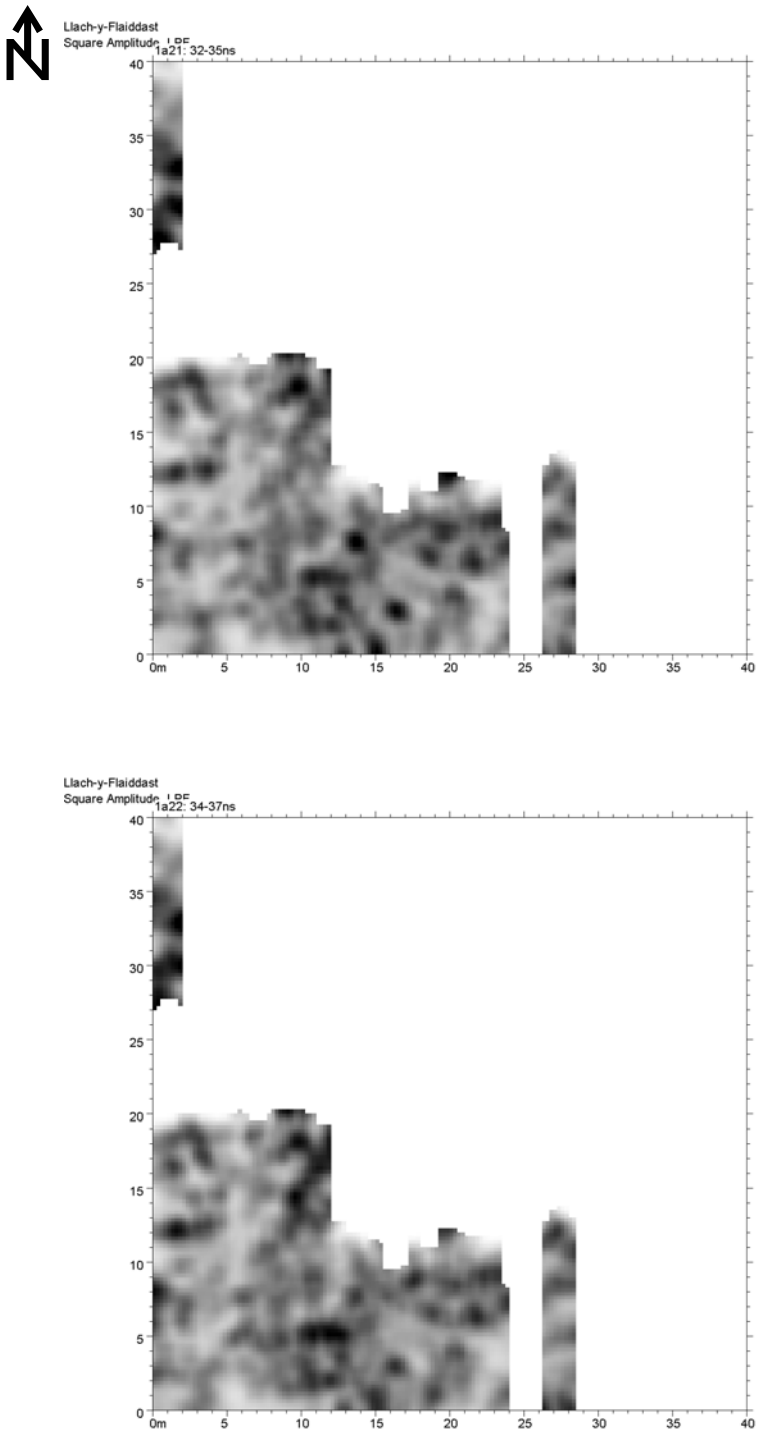
Scales in metres. Darker colour indicates higher amplitude response.

Figure 12.16 500MHz radar survey, timeslices 17 and 18, Llach y Flaiddast



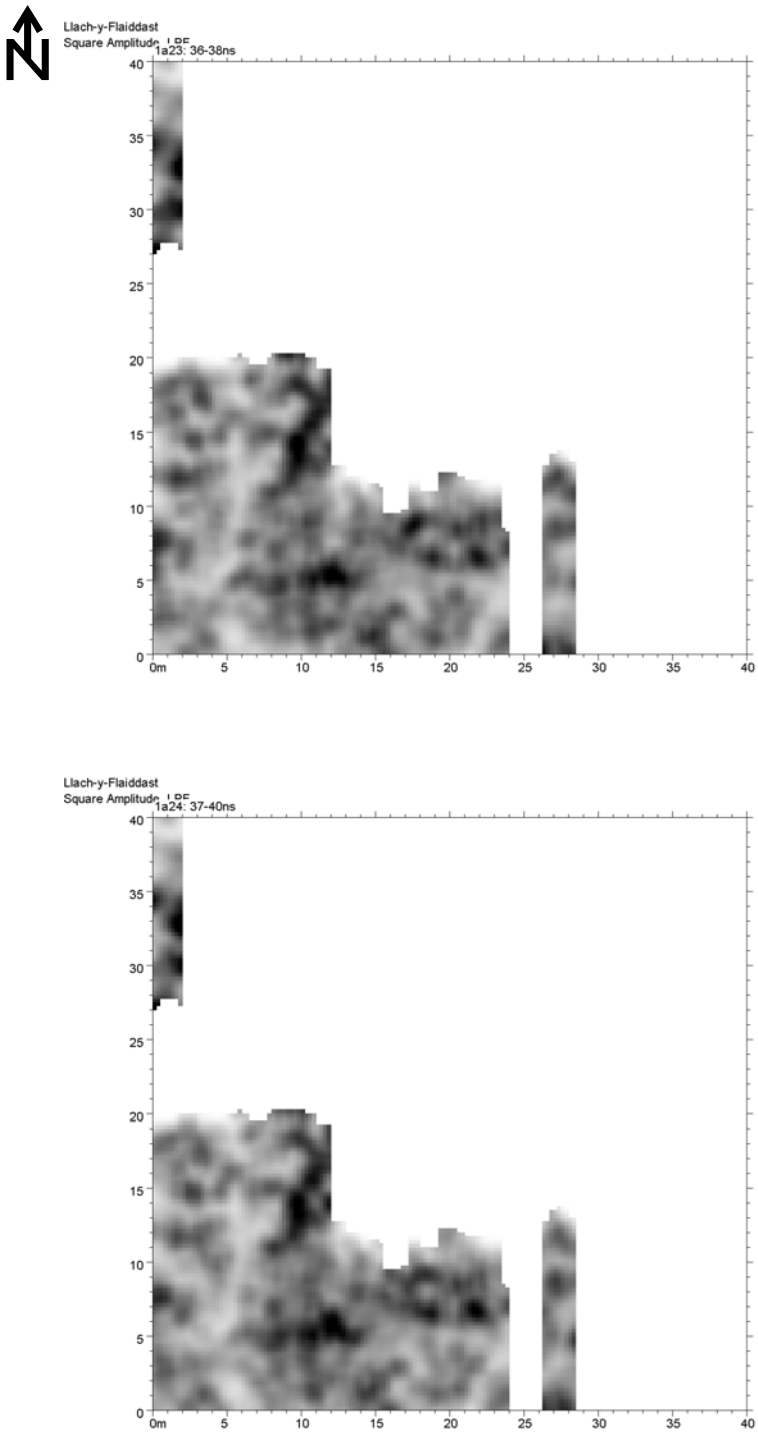
Scales in metres. Darker colour indicates higher amplitude response.

Figure 12.17 500MHz radar survey, timeslices 19 and 20, Llach y Flaiddast



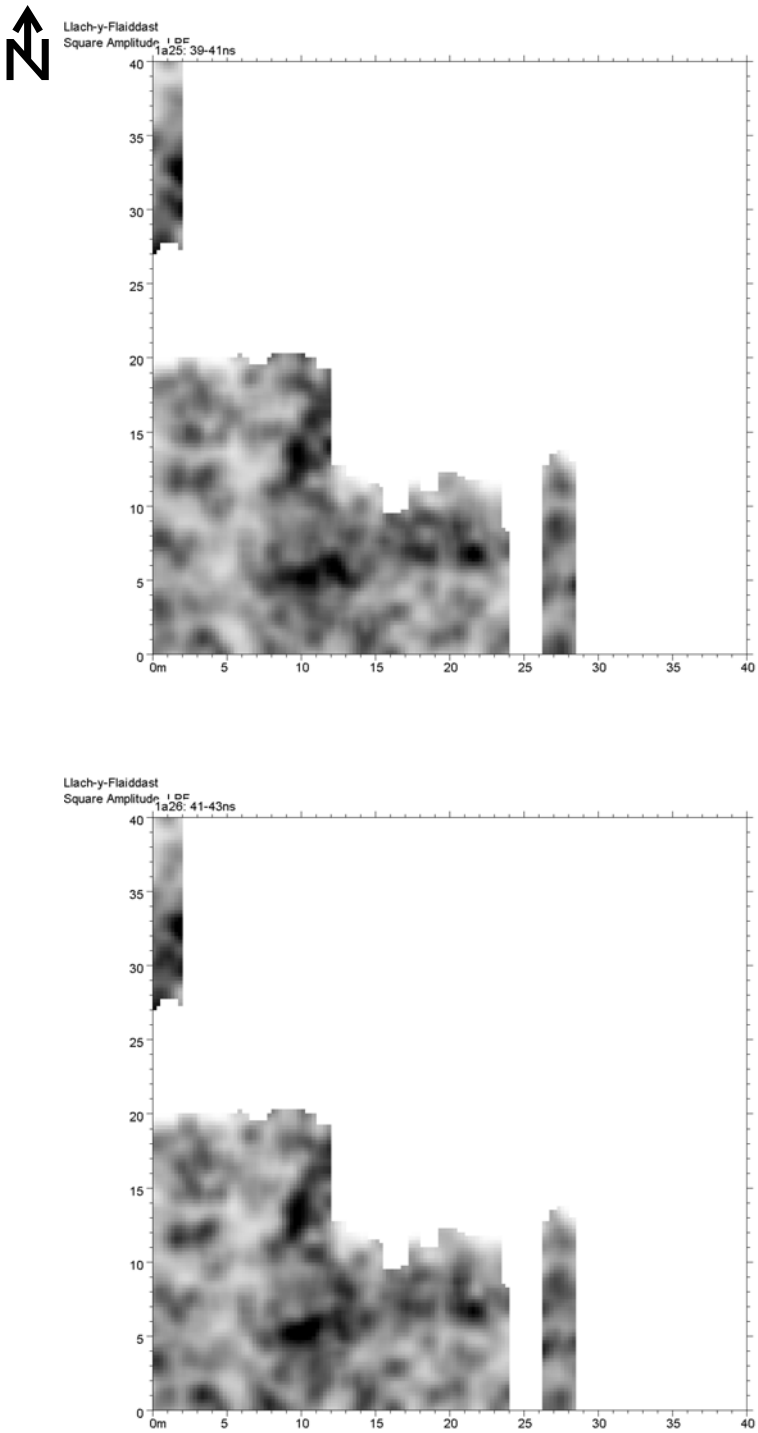
Scales in metres. Darker colour indicates higher amplitude response.

Figure 12.18 500MHz radar survey, timeslices 21 and 22, Llach y Flaiddast



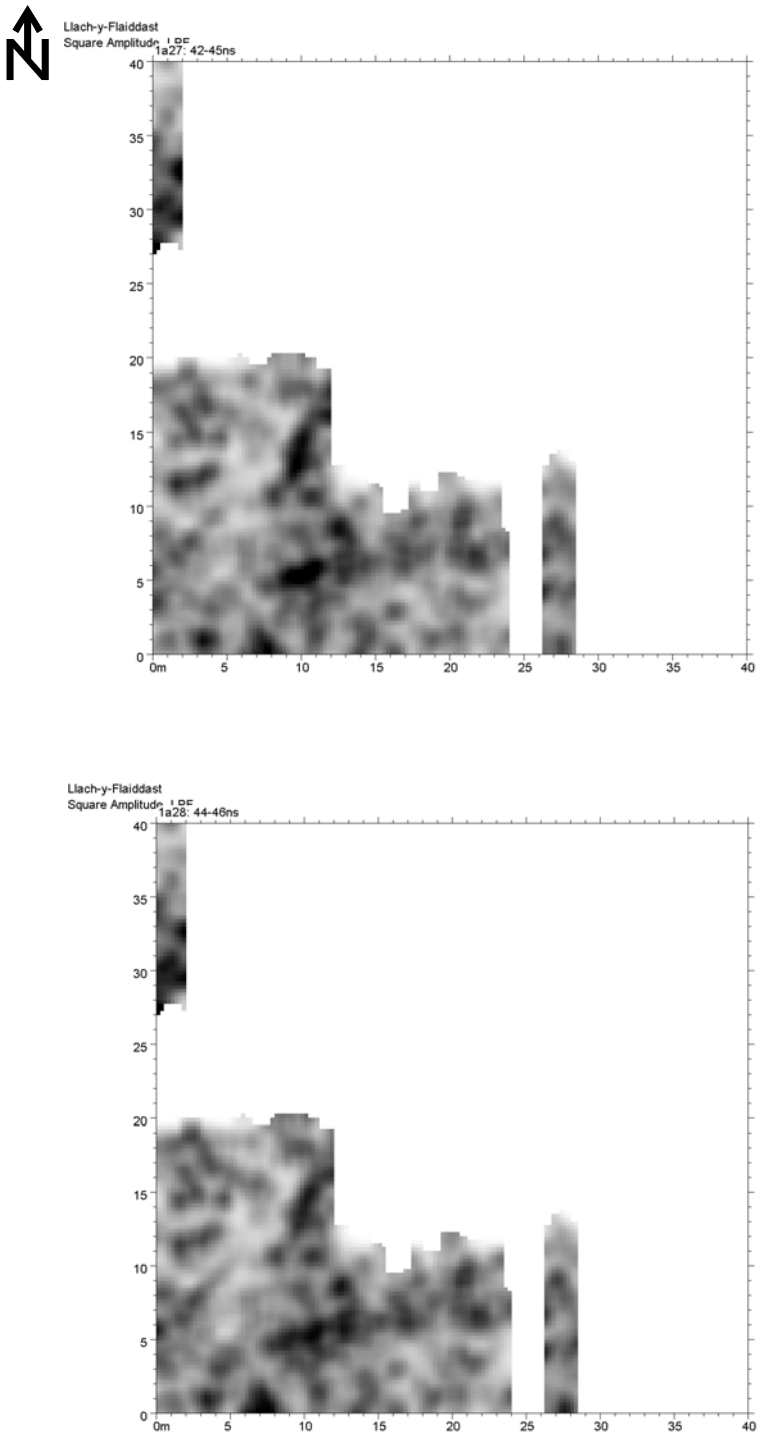
Scales in metres. Darker colour indicates higher amplitude response.

Figure 12.19 500MHz radar survey, timeslices 23 and 24, Llach y Flaiddast



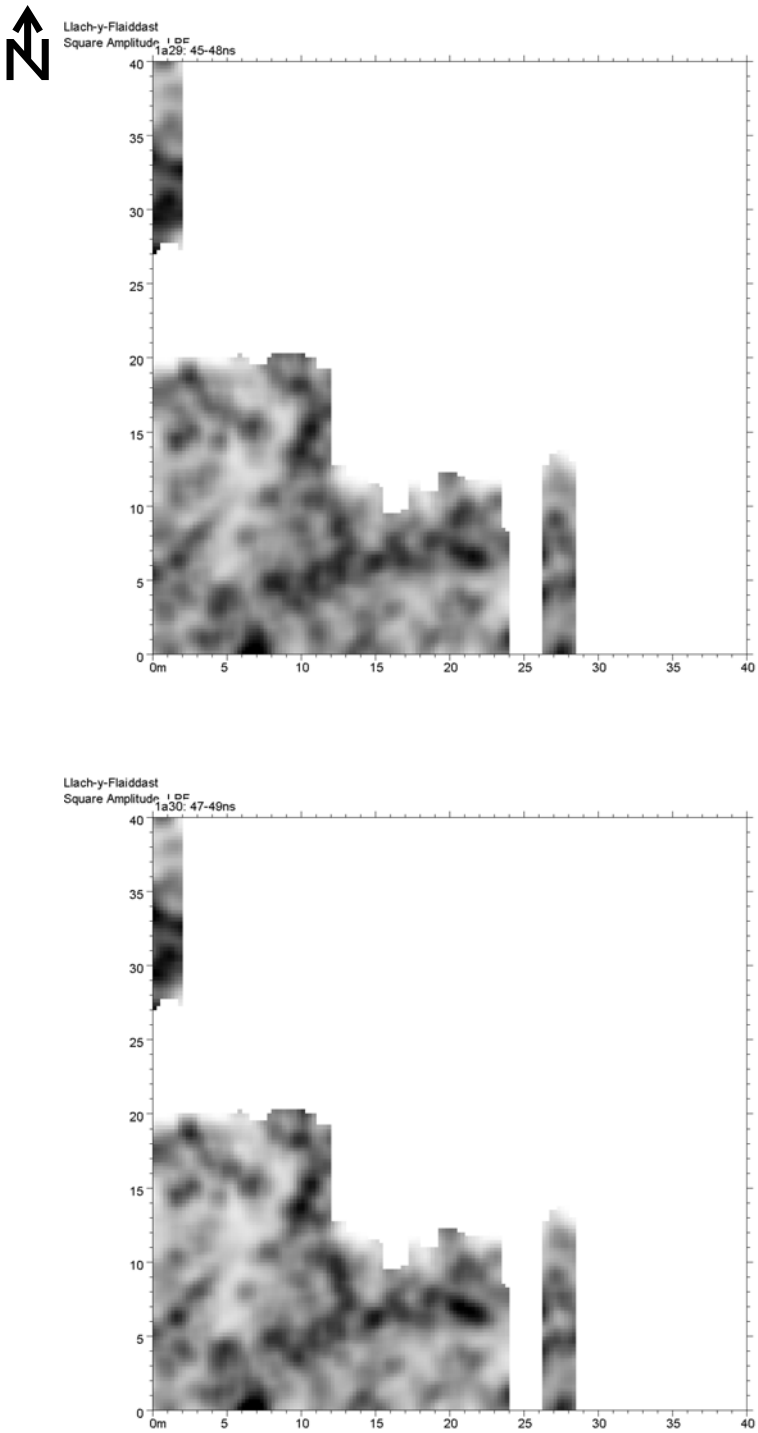
Scales in metres. Darker colour indicates higher amplitude response.

Figure 12.20 500MHz radar survey, timeslices 25 and 26, Llach y Flaiddast



Scales in metres. Darker colour indicates higher amplitude response.

Figure 12.21 500MHz radar survey, timeslices 27 and 28, Llach y Flaiddast



Scales in metres. Darker colour indicates higher amplitude response.

Figure 12.22 500MHz radar survey, timeslices 29 and 30, Llach y Flaiddast

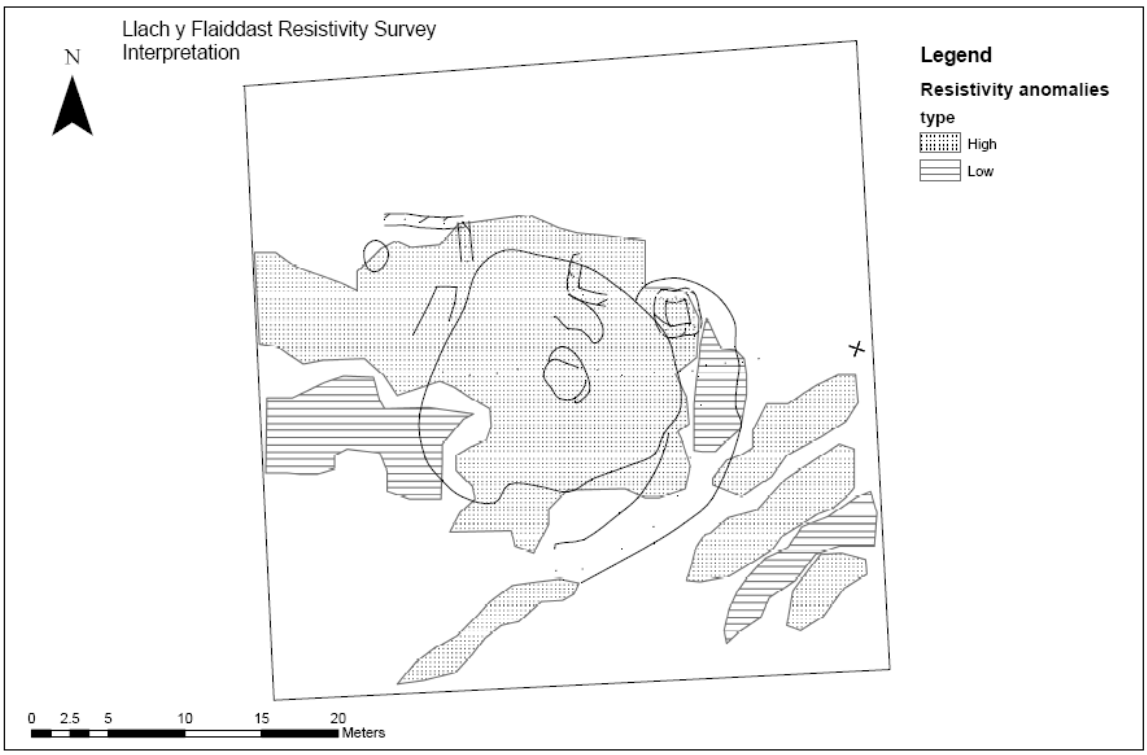


Figure 12.23 Resistivity survey interpretation, Llach y Flaiddast

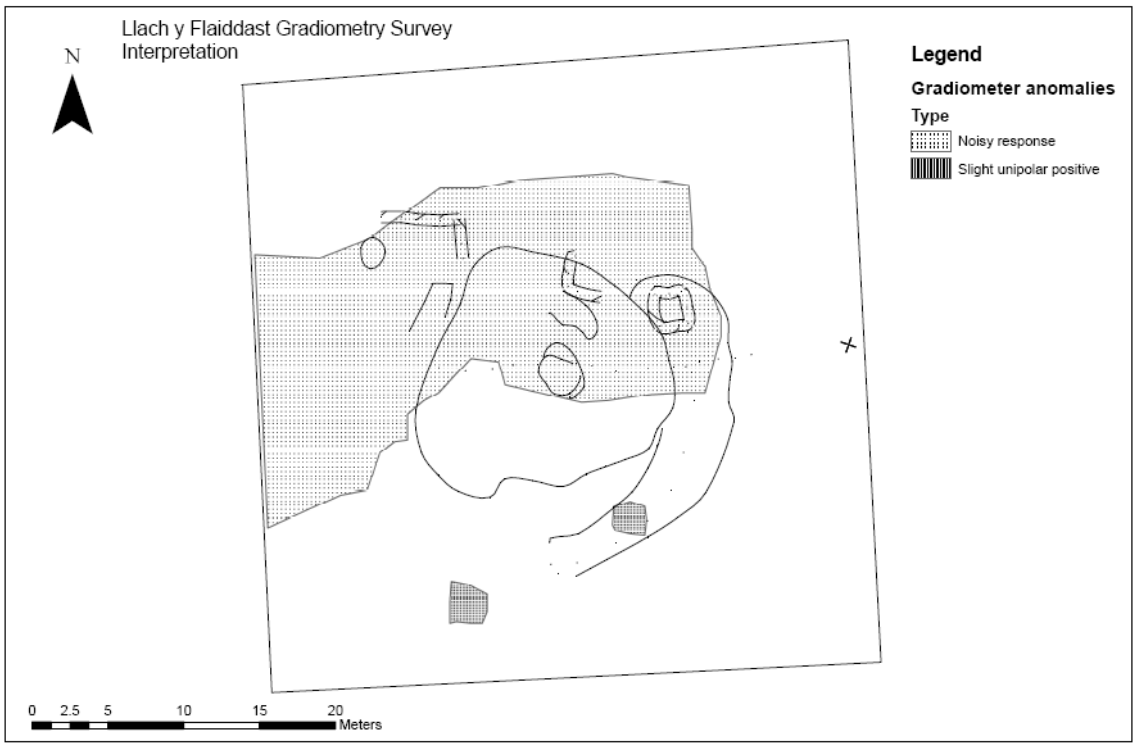


Figure 12.24 Gradiometry survey interpretation, Llach y Flaiddast

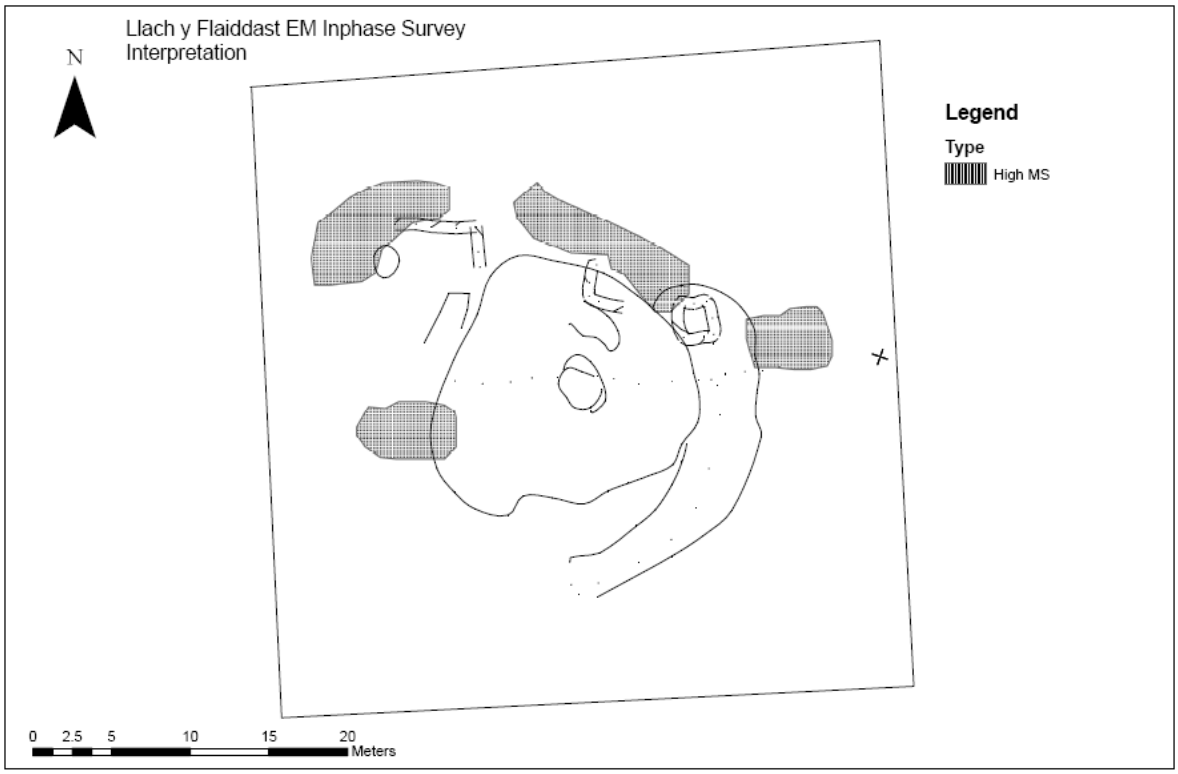


Figure 12.25 Vertical EM inphase interpretation, Llach y Flaiddast

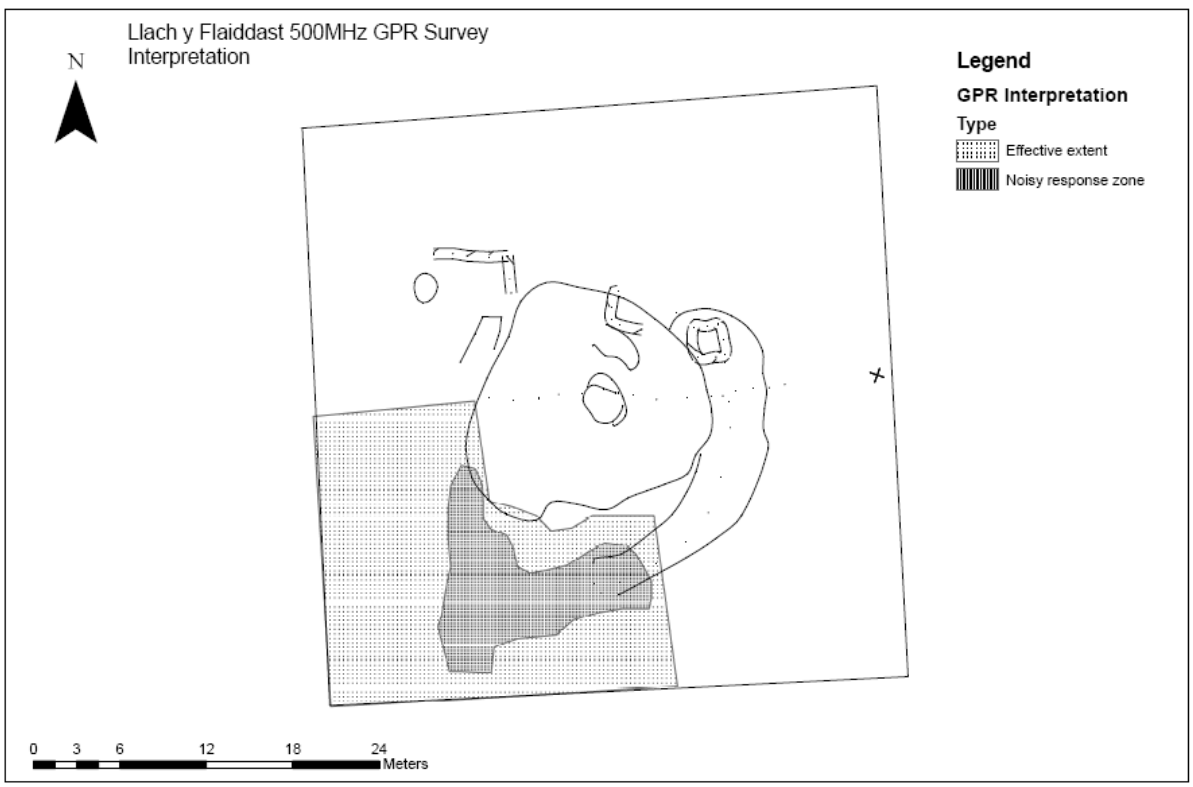


Figure 12.26 500MHz radar survey interpretation, Llach y Flaiddast

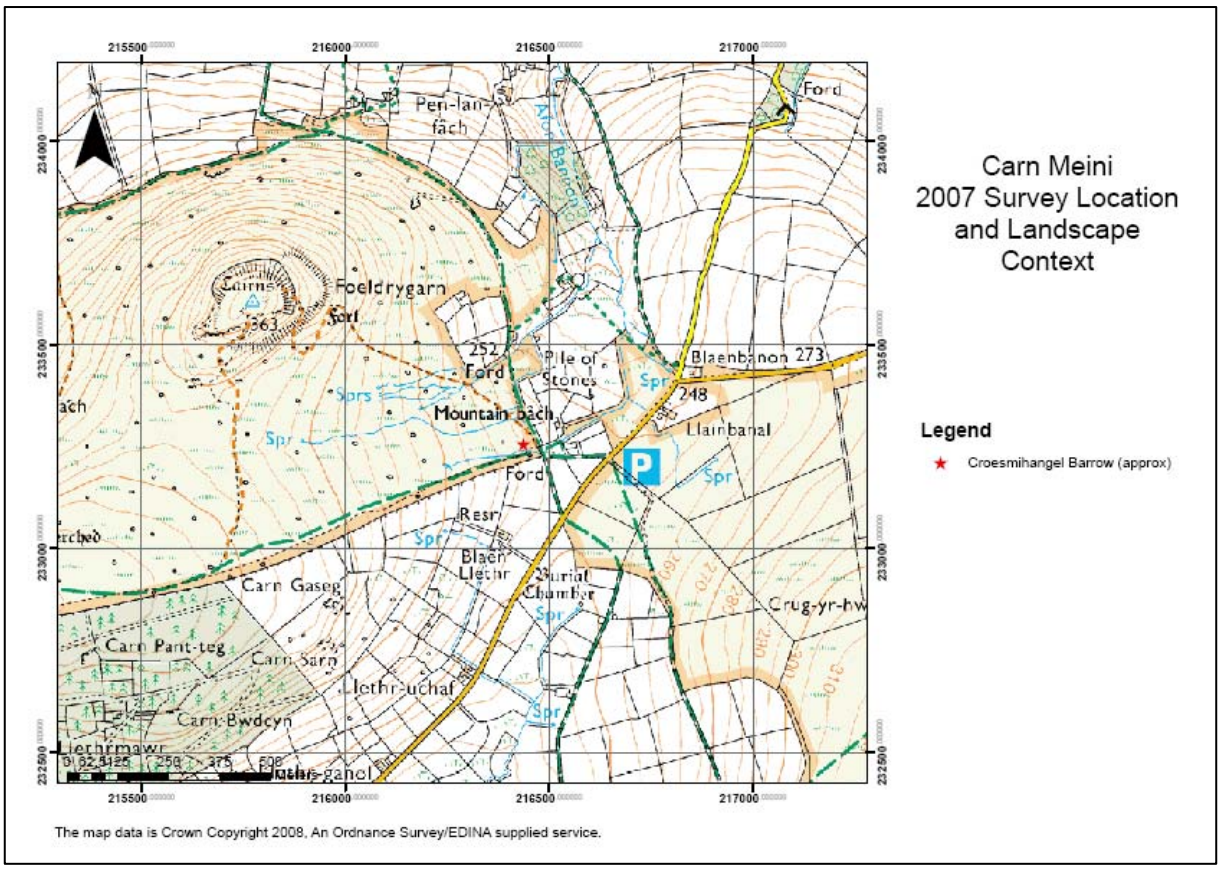


Figure 12.27 Croesmihangel landscape setting

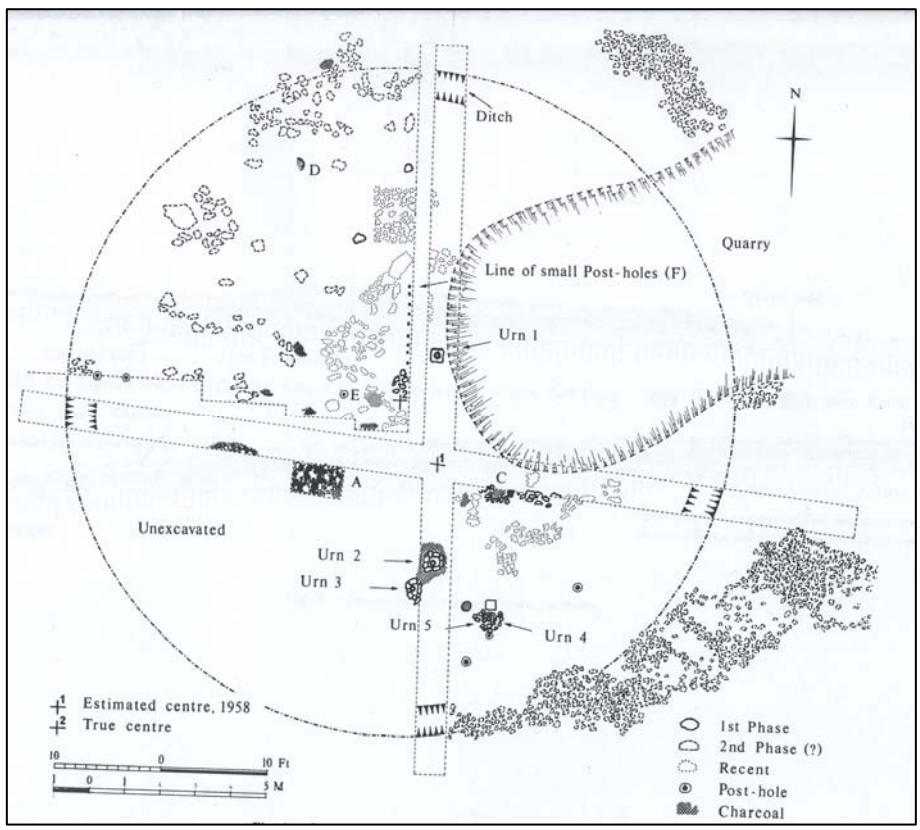


Figure 12.28 Croesmihangel excavation plan, from Nye, *et. al.* (1983; figure 1)

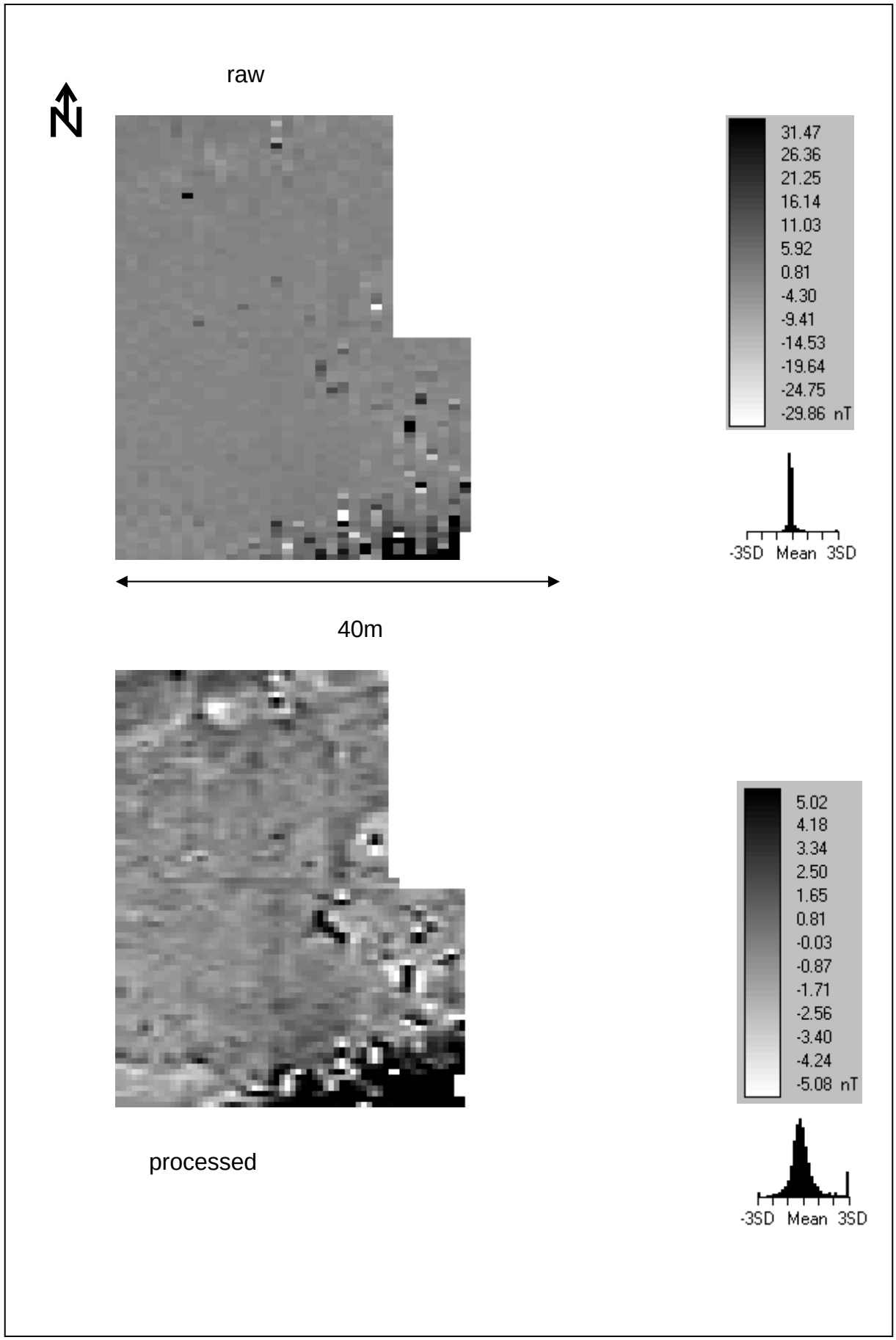


Figure 12.29 Gradiometer survey, Croesmihangel

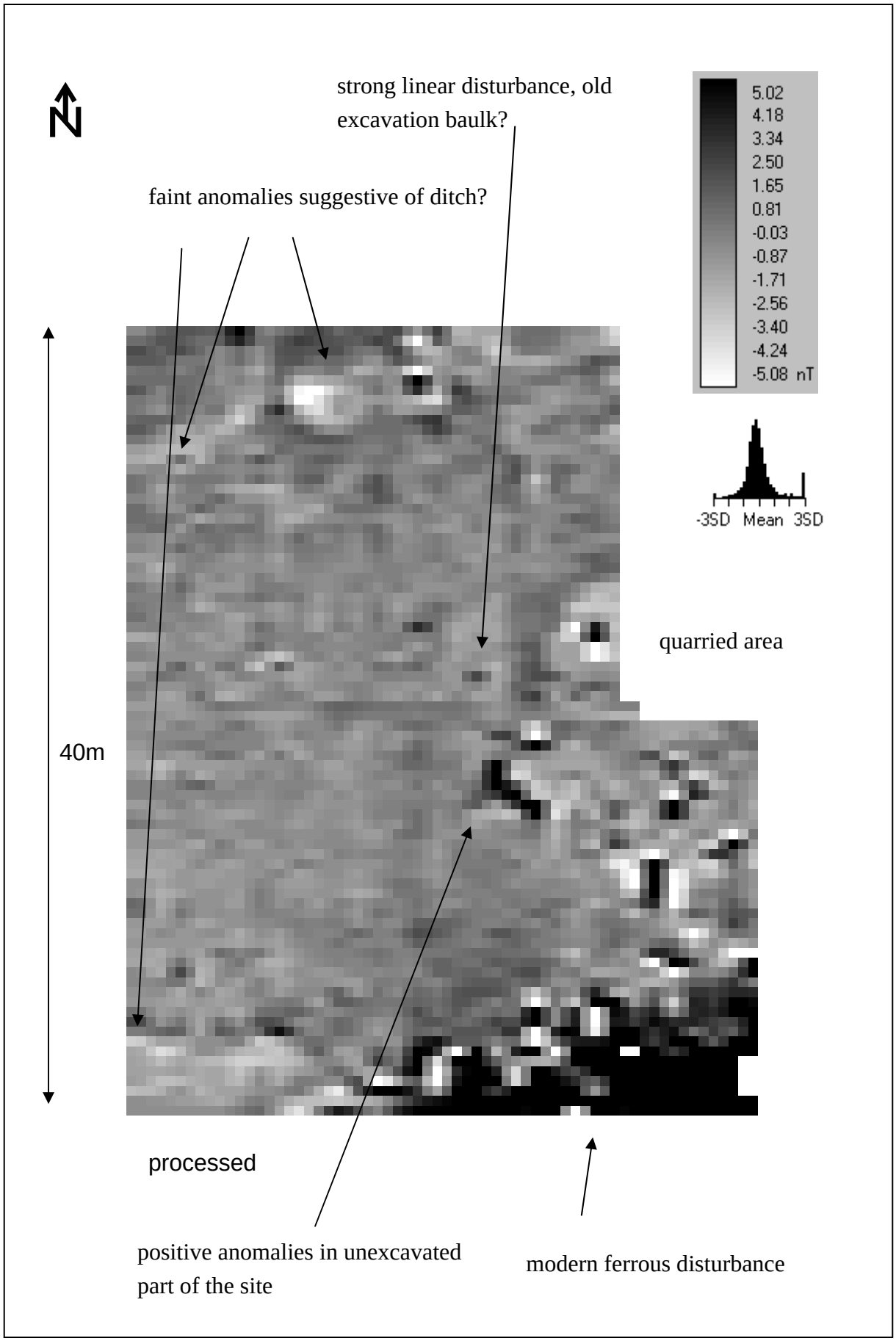


Figure 12.30 Annotated gradiometer survey, Croesmihangel