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Filename	Appendix III: Hand augering data

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Faculty	Faculty of Humanities
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Appendix III Hand augering data

This appendix contains the hand augering data of the cores that have been conducted within the framework of this study. The data from Smokkelhoek (Appendix I, 21), Spalding (Appendix I, 22) and Stede Broec (Appendix I, 23) can be found in the fact sheets concerning these sites.

Key

[depth]# maximum depth

B	brick	OM	organic matter
BO	bone	P	pebble(s)
CC	charcoal	PO	pottery (sherds)
CL	clay layers	SAL	sand layers
Fe	iron staining	SH	shell
LC	lumps of clay	SL	silt layers
LP	lumps of peat		

1 Beugen

core	top of layer	magnetic susceptibility x 10^{-8} m3/kg	description	interpretation
A0	0		dark brown sand + B	topsoil
	35		mottled light brown grey sand + B + CC	archaeological layer (plough damage)
	65		mottled light brown grey clayey sand	undisturbed
	80		light brown grey sand + LC	undisturbed
	90		clayless sand	undisturbed
	120#			
A50	0	30.52	dark brown sand + B + P	topsoil
	50	14.07	mottled light brown grey sand + B + CC	(?) archaeological feature
	55	7.79	mottled light brown grey sand +B + CC	archaeological layer (plough damage)
	70	4.36	light brown grey silty sand + LC	undisturbed
	105	3.02	light brown grey clayless sand + LC	undisturbed
	115		grey clayless sand + LC	undisturbed, reducing
	120#			
A100	0	25.86	brown grey sand +B + CC	topsoil
	40	24.58	brown grey sand +B + CC	topsoil /archaeological layer
	45	6.07	mottled light brown grey sand	archaeological layer (plough damage)
	55	4.91	light brown grey sand + LC	undisturbed
	90	2.9	light brown grey clayless sand	undisturbed
	120#			
A150	0	24.01	brown grey clayless sand + B	topsoil
	35	26.62	brown grey clayless sand +B +P	topsoil / archaeological layer
	45	11.35	mottled light brown grey sand + B	(?) archaeological layer
	50	4.41	mottled light brown grey sand	(?) undisturbed
	75	1.06	light brown grey clayless sand	undisturbed
	120#			
A200	0	39.31	brown grey clayless sand	topsoil
	40	33.98	mottled brown sand	archaeological layer (plough damage)
	55	8.12	mottled clayless brown sand	undisturbed
	80		light brown grey clayless sand	undisturbed
	100	1	light yellow grey clayless sand	undisturbed
	120#			

Beugen continued

A250	0	38.15	brown grey clayless sand	topsoil
	25	30.88	brown sand	topsoil
	40	19.88	mottled brown clayey sand	archaeological layer (plough damage)
	60		mottled light brown grey clayless sand	undisturbed
	85	1.28	mottled light yellow grey clayless sand	undisturbed
	120#			
A300	0	34.9	brown grey clayless sand + B	topsoil
	40	30.24	brown grey clayless sand + B	topsoil
	45	14.12	mottled light brown grey sand + P	archaeological layer (plough damage)
	65	2.78	mottled light brown grey clayless sand	undisturbed
	115	0.77	mottled light brown grey clayless sand	undisturbed
	120#			
X1	0	28.54	brown grey sand + B	topsoil
	35	34.11	brown grey sand + B	topsoil
	45	31.07	mottled brown clayey sand +B + PO + CC	archaeological layer (plough damage)
	50	35.7	mottled brown clayey sand + B + PO + CC	archaeological layer (plough damage)
	55	56.28	mottled brown clayey sand +B + PO + CC	archaeological layer (plough damage)
	60	36.17	mottled brown clayey sand +B + PO + CC	archaeological layer (plough damage)
	70	194.65	grey sand + CC + PO	archaeological layer
	75	29.95	grey sand + CC + PO	archaeological layer
	80	24.33	grey sand + CC + PO	archaeological layer
	90	13.52	grey sand + CC + PO	archaeological layer
	100	15.57	mottled clayless grey sand + P	(?) undisturbed
	110	18.74	clayless grey sand + P	undisturbed
	120#			
X2	0		brown grey sand + B	topsoil
	40		mottled brown clayless sand + B + CC + P	archaeological layer / feature (plough damage)
	70		brown clayless sand	undisturbed
	80		mottled light yellow grey sand	undisturbed
	100		mottled light yellow grey sand + LC	undisturbed
	120#			

2 Broekpolder

core	top of layer	magnetic susceptibility x 10^{-8} m^3/kg	description	interpretation
A0	0	14.65	light brown grey sand	topsoil
	10	6.11	brown sandy clay + B + Fe	? archaeological layer
	30		grey sandy clay + Fe	
	40	3.99	grey clayey sand	undisturbed
	50	5.79	grey clayey sand + CL + Fe	undisturbed
	90#			
A18	0		light brown grey sandy clay	topsoil
	5	21.90	brown peaty sandy clay + CC	? archaeological feature
	25		brown peaty sandy clay	
	50	5.06	grey clayey sand + CL	undisturbed
	90#			
A60	0	20.54	brown sandy clay + CC	topsoil
	20		brown grey sandy clay + Fe	? archaeological layer
	30	9.80	grey sandy clay + Fe	undisturbed
	50	4.89	light brown grey clayey sand + Fe	
	60#			

Broekpolder continued

A80	0	16.96	brown sandy clay	topsoil
	25		light brown grey sandy clay + Fe	? archaeological layer
	35	4.20	light brown grey clayey sand + Fe	undisturbed
	55	2.98	grey sand + Fe and SH	undisturbed
	90#			
A100	0	21.68	brown sandy clay	topsoil
	10	5.30	light brown grey sandy clay + Fe	? archaeological layer
	50		light brown grey clayey sand + Fe	undisturbed
	60	4.67	grey sand +Fe and SH	undisturbed
	95#			
A120	0	17.23	brown grey sandy clay + Fe	topsoil
	35		grey sandy clay +Fe	? archaeological layer
	50	4.56	light brown grey clayey sand + Fe	undisturbed
	60		grey sand	undisturbed
	90#			
A140	0	20.87	brown grey sandy clay	topsoil
	25	5.14	grey sandy clay + Fe	? archaeological layer
	50	3.94	light brown grey clayey sand + Fe	undisturbed
	70#			
A160	0	16.18	brown grey sandy clay	topsoil
	15	7.92	grey sandy clay + Fe	ditch fill
	50		grey sand + Fe	bottom of ditch
	60	4.90	light brown grey sand +Fe	undisturbed
	70		grey sand + CL + SH	undisturbed
	95#			
A180	0	14.82	brown grey sandy clay	topsoil
	15	7.93	dark grey sandy clay + Fe + OM	archaeological feature / layer
	45	7.24	light brown grey clayey sand + Fe	undisturbed
	70#			
A200	0	17.60	brown grey sandy clay	topsoil
	15	7.55	dark grey sandy clay + Fe + OM	archaeological feature / layer
	35		light brown grey sandy clay + Fe	undisturbed
	40	8.17	light brown grey clayey sand + Fe + SH	undisturbed
	60#			
B0	0	17.65	brown grey clayey sand	topsoil
	15	6.66	mixed light brown grey clayey sand + Fe	? archaeological layer
	50	4.39	light brown grey sand + Fe	undisturbed
	90		light grey sand + Fe	undisturbed
	95#			
B20	0	17.37	brown grey clayey sand	topsoil
	15	4.82	brown grey clayey sand + Fe	? archaeological layer
	50	3.90	light brown grey clayey sand + Fe	
	60#			
B40	0	14.86	brown grey clayey sand	topsoil
	10	6.17	mixed brown grey sand	? archaeological feature
	50	4.51	light brown grey sand + Fe	undisturbed
	60	4.89	light grey sand + Fe	undisturbed
	65#			
B60	0		brown grey clayey sand	topsoil
	5	8.33	dark grey sandy clay	modern ditch
	25	6.66	light brown grey sandy clay	modern ditch with cable/pipe
	50#			
B80	0		brown grey sand	topsoil
	10	9.64	mixed light brown grey sandy clay	? archaeological feature
	25	9.01	grey sandy clay	? archaeological feature
	30	7.02	mixed light brown grey sandy clay + LC	? archaeological feature
	50		light brown grey sand + Fe	Undisturbed
	65	3.32	light grey sand + SH	Undisturbed
	75#			
B100	0		brown grey sand	topsoil
	5	12.47	mixed light brown grey sandy clay	? archaeological feature
	10	13.91	dark grey sandy clay	? archaeological feature
	25	9.13	mixed brown grey sandy clay + Fe and OM	? archaeological feature
	65	3.38	light grey sand + LC + SH	undisturbed
	90#			

8 Harnaschpolder

core	top of layer	magnetic susceptibility x 10^{-8} m^3/kg	description	interpretation
A0	0	13.18	brown grey silt	topsoil
	15	40.16	brown grey silt	disturbed
	50	7.95	grey sandy clay +SH	undisturbed
	80#			
A20	0	16.88	brown grey clayey silt	topsoil
	20	9.95	grey sandy clay	ditch fill
	40	9.03	grey sandy clay	ditch fill
	50	9.23	light brown grey sandy clay	undisturbed
	75#			
A40	0	12.15	brown grey clayey silt	topsoil
	30	7.3	brown grey clayey silt	
	40		light brown grey clayey silt	undisturbed
	60	6.23	light brown grey clayey silt + SAL + Fe	undisturbed
	80#			
A60	0	13.6	brown grey clayey silt	topsoil
	30	10.24	brown grey clayey silt	
	40	7.67	light brown grey sandy silt + SAL + SH	
	80		light brown grey sandy silt +SAL + SH + Fe	
	150#			
A80	0		brown grey clayey silt	topsoil
	30	10.24	light brown grey clayey silt	?A-horizon
	40	8.68	light brown grey clayey silt + SAL + Fe	
	80#			
A100	0	19.3	brown grey clayey silt	topsoil
	50	5.59	light brown grey sandy silt + SAL	
	90#			
A120	0	11.64	brown grey clayey silt	topsoil + ?arch. feature
	45	7.14	light brown grey sandy clay + Fe	
	60	5.47	light brown grey silt +SAL + Fe	
	100#			
A140	0	11.69	brown grey clayey silt	topsoil
	25	9.52	light brown grey sandy silt + Fe	
	45		light brown grey silty clay + Fe	
	50	7.46	light brown grey clayey silt + Fe	
	100#			
A180	0	13.85	grey brown clayey silt	topsoil
	35	12.52	brown grey silty clay	?A-horizon
	45	7.49	light brown grey silty clay + Fe + SAL	
	60	6.3	light brown grey very silty clay + Fe + SAL	
	100#			
A200	0	11.51	grey brown clayey silt	topsoil
	20	11.36	light brown grey silty clay + Fe	
	30	8.17		
	50	3.63	light brown grey silty clay + Fe + SAL	
	140#			
A240	0	11.65	brown grey silty clay	topsoil
	20	9.86	blue grey silty clay	
	40		light brown grey silty clay + Fe	
	60	4.61	light brown grey silty clay + Fe + SAL	
	100#			
A260	0	10.86	brown grey clayey silt	topsoil
	40	5.67	ligt brown grey silty clay + Fe	
	100#			
A280	0	13.95	brown grey clayey silt	topsoil
	25	10.4	brown grey clayey silt + BO	arch. feature
	45		light brown grey silty clay + Fe	
	80	3.17	dark brown peat	
	88	0.58	light grey sand	
	100		dark brown peat	
	120		brown grey clayey peat + SH	
	130		brown peat	
	140		light brown grey sand	
	150#			

Harnaschpolder continued				
A300	0	10.74	brown grey silty clay	topsoil
	20	8.28	grey sandy clay +Fe	
	40	5.44	brown sandy clay +Fe	
	50	3.28	brown clayey peat	
	75	0.48	dark brown peat	
	100		brown peat	
	150#			
B0	0	13.5	brown grey clayey silt	topsoil
	25	14.14	brown grey clayey silt	
	40	7.96	light brown very silty clay +Fe	
	95#			
B20	0	10.45	brown grey clayey silt	topsoil
	25	8.87	brown grey very clayey silt	
	30	6.48	light brown grey sandy clay +Fe	
	90	3.06	grey clayey silt +Fe +SH	
	102		brown clayey peat +SH	
	150#			
B40	0	13.98	brown grey clayey silt	topsoil
	15	9.5	grey silty clay	
	25		light brown grey silty clay	
	40	7.65	brown peaty clay +Fe	
	45	4.59	brown clayey peat +SAL +CL	
	110	4.04	brown peat	
	150#			
C0	0		dark brown grey clayey silt	topsoil
	30		grey clayey silt +Fe	
	45		light grey silty clay +SAL	
	70		blue grey silty clay +SAL	
	105		brown grey silty clay +SAL	
	120		dark brown grey clayey silt	
	330#			
C20	0		dark brown grey clayey silt	topsoil
	25		grey clayey silt +Fe	
	40		grey silty clay +Fe	
	60		grey sandy clay	
	135		grey brown clayey silt +SAL	
	295		grey sand	
	308		brown peat	
	340#			
C40	0			disturbed
	15		dark brown grey clayey silt	topsoil
	30		grey silty clay +Fe	
	60		grey sandy clay +Fe +SAL	
	115		black grey silty clay +iron sulphides	
	130		grey brown silty clay +SAL	
	240		dark brown silty sand	
	250		dark grey silty clay +SAL	
	280		brown grey sand +CL	
	310		brown peat	
	320#			
C60	0		dark brown grey clayey silt	topsoil
	40		grey clayey silt +SH	
	50		light brown grey silty clay +SH	
	105		light brown grey clayey silt +Fe +SAL	
	140		orange grey silty clay	
	150		blue grey silty clay	
	155		brown grey silty clay +SAL	
	220		brown grey silty clay +SAL +LP	
	308		brown peat	
	340#			

Harnaschpolder continued

C80	0	dark grey brown clayey silt	topsoil
	40	light brown grey clayey silt	
	50	grey clayey silt +Fe +SAL	
	155	orange grey clayey silt +SAL	
	165	grey brown clayey silt+SAL	
	200	grey brown silty sand	
	270	brown peat	
	305	grey brown silty clay	
	310	black grey silty clay +iron sulphides	
	320	light blue grey silty clay	
	330#		
C100	0	dark brown grey clayey silt	topsoil
	30	light brown grey clayey silt	
	60	light brown grey clayey silt +Fe	
	70	light brown grey clayey silt +Fe +SAL	
	246	dark grey brown clayey silt +SAL	
	248	grey brown silt +SAL +KL +LP	
	260	grey silty sand	
	305	grey silty sand +SH +LP	
	318	brown peat	
	335#		
C120	0	dark grey brown clayey silt	topsoil
	30	light brown grey clayey silt	
	40	light brown grey clayey silt +Fe +SAL +SH	
	80	light brown grey silty sand +Fe	
	120	light grey brown silty sand +Fe	
	160	grey brown silty sand +SAL +CL	
	270	grey brown silty sand +SAL +CL +LP	
	280	brown peat	
	320#		
C140	0	dark brown grey silty clay	topsoil
	25	light brown grey silty clay	
	40	grey silty clay +Fe	
	105	grey brown silty clay +Fe +SAL	
	155	dark grey silty sand +CL +LP	
	305	brown peat	
	340#		
C160	0	dark grey brown clayey silt	topsoil
	30	light brown grey silty clay	
	40	light brown grey clayey silt +Fe +SAL	
	110	dark grey sandy silt +Fe	
	120	orange grey clayey silt	
	125	light brown grey clayey sand +CL +LP	
	160	light brown grey clayey sand +CL +LP +SH	
	170	grey sand	
	330#		
C190	0	dark grey brown clayey silt	topsoil
	25	light brown grey clayey silt +Fe	
	100	light brown grey sand +Fe +CL	
	145	grey brown sandy clay +Fe +CL	
	155	grey brown sandy clay +CL +LP	
	215	grey clayey sand +SH +LP	
	246	brown peat	
	295	brown grey silty clay	
	300#		
C250	0	dark grey brown clayey silt	topsoil
	30	grey very clayey silt +Fe	
	130	grey clayey silt +Fe +SAL	
	160	brown grey clayey silt +Fe +SAL +CL	
	165	brown grey clayey sand +SH +LP	
	200	brown peat	
	270	brown grey silty clay	
	275	grey silty clay	
	290#		

Harnaschpolder continued

C290	0	dark grey brown silty clay	topsoil
	15	dark grey brown silty clay +Fe	
	40	light brown grey silty clay +Fe	
	55	dark brown silty clay +Fe	
	60	dark brown peat	
	75	brown peat +Fe +SAL	
	85	brown peat	
	155	brown grey silty clay	
	165	light blue grey silty clay	
	190	brown peat	
	200	light blue grey clay	
	300	light grey sandy clay +SH	
	340#		
D0	0	dark grey brown clayey silt	topsoil
	25	light brown grey clayey silt +Fe	
	60	grey clayey silt +Fe +SAL	
	110	orange grey clayey silt +Fe +SAL	
	150	grey brown clayey silt +SAL	
	215	grey brown clayey silt +SAL +LP	
	315#		
D20	0	dark grey brown clayey silt	topsoil
	20	dark brown grey clayey silt	
	30	dark grey clayey silt +Fe	
	50	light brown grey clayey silt +Fe	
	90	light brown grey clayey silt +Fe +SAL	
	140	orange grey clayey silt +Fe +SL	
	160	grey brown clayey silt +SAL +LP	
	215	grey brown clayey silt	
	250	grey sand +SL +SH +LP	
	305	brown peat	
	320#		
D40	0	dark grey brown clayey silt	topsoil
	25	light brown grey clayey silt +Fe	
	50	light brown grey clayey silt +Fe +SAL	
	145	dark grey clayey silt	
	150	grey brown clayey silt +SAL	
	300	brown peat	
	320#		
D60	0	dark grey brown clayey silt	topsoil
	30	light brown grey clayey silt +Fe +SAL	
	145	grey brown clayey silt +Fe +SAL	
	180	grey brown clayey silt +SAL	
	270	grey sand	
	280	brown peat	
	300	light brown grey silty clay	
	305	black grey silty clay +iron sulphides	
	315	grey sandy silt	
	320	grey sand	
	340#		

10 Heeten

core	top of layer	magnetic susceptibility x 10^{-8} m^3/kg	description	interpretation
A0	0	19.64	dark brown sand +OM	plaggensoil
	47	18.52	brown sand with yellow motteling	disturbed
	60#			
A20	0	18.94	dark brown sand +OM	plaggensoil
	40	25.15	brown sand +Fe	B-horizon
	60#			
A40	0	32.55	dark brown sand +OM	plaggensoil
	38	51.67	brown sand	B-horizon
	55	108.51	light brown sand	BC-horizon
	60#			

Heeten continued

A60	0	20.21	dark brown grey sand +OM	plaggensoil
	30	31.61	brown sand	B-horizon
	50	54.74	light brown sand	BC-horizon
	60#			
A80	0	22.45	dark brown grey sand +OM	plaggensoil
	28	31.66	brown sand	B-horizon
	35	65.79	light brown sand	BC-horizon
	60	19.57	yellow brown sand	C-horizon
	70#			
A100	0	18.88	dark brown grey sand +OM	plaggensoil
	28	25.01	brown sand	B-horizon
	34	39.98	light brown sand	BC-horizon
	60	10.86	yellow brown sand	C-horizon
	65#			
A120	0	31.50	dark brown grey sand +OM	plaggensoil
	40	15.10	brown sand	disturbed
	50	5.19	yellow brown sand	C-horizon
	60#			
B80	0	19.59	dark brown grey sand +OM	plaggensoil
	30	16.86	brown sand	?archaeological feature / B-horizon
	40	9.07	yellow brown sand	C-horizon
	50#			
D80	0	24.24	dark brown grey sand +OM	plaggensoil
	55	17.82	brown sand	B-horizon / ?ditch
	65#			
X1	0	20.01	dark brown grey sand +OM	plaggensoil
	25	20.64	brown sand	B-horizon
	50	8.71	yellow brown sand	C-horizon
	60#			
Y1	0		dark brown grey sand +OM	plaggensoil
	25		brown sand	disturbed
	30		yellow brown sand	C-horizon
	40#			
Z1	0		dark brown grey sand +OM	plaggensoil
	25		brown sand	BC-horizon
	30		yellow brown sand	C-horizon
	40#			
Z2	0	29.85	dark brown grey sand +OM	plaggensoil
	25	14.28	brown sand	disturbed / ?archaeological feature
	35	9.34	yellow brown sand	C-horizon
	40#			

18 Polre

core	top layer	description	interpretation
1	0	brown clayey sand +B +CC	topsoil
	20	dark brown grey clayey sand +BO	
	35	dark brown sand	B-horizon
	55	light brown sand	C-horizon
	70#		
2	0	dark brown grey clayey sand +B	topsoil
	20	dark brown grey clay with slate	
	35	dark brown grey clay	disturbed
	45	grey sand +LC	disturbed
	60	light grey sand	
	120	light grey clay	
	130	light brown sand	C-horizon
3	0	brown clayey sand +CC	topsoil
	30	dark brown sand	B-horizon
	50	light brown sand	C-horizon
	70#		

Polre continued

4	0	brown clayey sand +B	topsoil
	20	light brown grey clay +B and slate	
	40	light grey clay	
	50	light brown sand +B	
	95	grey sand +CC	archaeological deposit
	110	dark brown sand	
	180#		
5	0	brown clayey sand +B	topsoil
	20	brown sandy clay +B and slate	
	35	light brown grey sandy clay	
	40	grey white sand	C-horizon
	70#		
6	0	grey brown sandy clay +B and slate	topsoil
	20	grey sandy clay	
	30	light brown sand +B +CC +LC	
	50	grey sand +B +PO and slate	archaeological deposit
	70	dark grey sand +BB +CC	archaeological deposit
	100	dark grey sandy clay +BB +CC	archaeological deposit
	140	light grey sandy clay	
	155	light grey sandy clay with iron sulphides	
	180	dark grey sandy clay with iron sulphides	
	200	light grey clay +LP	
	220	brown peat	
	280#		
7	0	dark brown clayey sand +B +CC	topsoil
	20	dark brown clay +B	
	60	grey sand +B +CC	archaeological deposit
	180	grey sand	
	210	light brown sand	C-horizon
	220#		
8	0	dark brown clayey sand +B +PO	topsoil
	25	brick wall / foundation	
	40#		
9	0	dark brown clayey sand +B	topsoil
	30	brown clayey sand +B +CC and slag	archaeological feature, ?furnace
	55	brown sand	B-horizon
	65	light brown sand	C-horizon
	70#		