

Table 14.1 Trench 20 - Correlation of lithostratigraphic units, zones and archaeological contexts

Archaeological context	Unit	Zone	Depth (cm)	Description
	8	4	22-0	Topsoil. Fibrous matter, more herbaceous, coarse sandy texture
	7		38-22	Subsoil. More compact, fine sandy texture
	6	3	52-38	Orange mottled, grey alluvium
20009	5		72-52	Dark grey alluvium. Fine, silty texture
20014	4		90-72	Light brown herbaceous peat, fairly homogeneous but has a lighter alluvial peat band from 88-82 cm
20014	3	2	100-90	Dark brown peat, more homogeneous in colour and composition
20014	2		111-100	Fairly homogeneous brown peat, with a diffuse band of light grey alluvial peat from 111-105 cm
20015	1	1	116-112	Dark brown, silty texture with high gravel concentration

Marsh	Juncaceae	Juncus articulatus			1								1
Marsh	Juncaceae	Juncus bufonius gp.	1	-									
Marsh	Juncaceae	Juncus effusus	1	1									1
Marsh	Labiatae	Lycopus europaeus	-	-	1	-	1	-	1		1	3	3
Marsh	Priemulaceae	Lysimachia vulgaris	-	-						1			
Marsh	Lythraceae	Lythrum salicaria											1
Marsh	Labiatae	Mentha cf. Aquatica	9	35	21	3	-	2	5	7	2	3	11
Marsh	Umbelliferae	Oenanthe spp.									1		
Marsh	Cyperaceae	Schoenoplectus lacustris					1						
Marsh	Compositae	Senecio cf. aquaticus								2			
Marsh	Labatae	Stachys spp.					1			3			
Marsh	Valerianaceae	Valeriana spp.		2			1	1	1	2	3	1	2
Marsh	Scrophulariaceae	Veronica beccabunga			1								
Emergent Aquatic	Alismataceae	Alisma plantago aquatica							1		1		1
Aquatic	Cruciferae	Nasturtium cf. aquatica						1	5	13	9	19	22

Table 14.3: Pollen from Roman Ditch, Trench 20

	20cm*	40cm*	60cm	%	80cm	%	100cm	%	116cm	%
<i>Trees</i>										
Quercus		1	2	0.66	1	0.24	2	0.47	6	1.06
Tilia				0.00		0.00	1	0.24	1	0.18
Fraxinus				0.00		0.00		0.00	2	0.35
Alnus		1	22	7.24	7	1.70	12	2.83	30	5.31
<i>Shrubs</i>										
				0.00		0.00		0.00		0.00
Corylus		1	11	3.62	6	1.46	9	2.12	21	3.72
Salix			2	0.66		0.00	1	0.24	7	1.24
Crataegus t.			2	0.66	1	0.24		0.00	3	0.53
Rubus t.			3	0.99		0.00	2	0.47	3	0.53
<i>Herbs</i>										
				0.00		0.00		0.00		0.00
Cereal t.			2	0.66		0.00	5	1.18	3	0.53
Gramineae		4	101	33.22	124	30.10	211	49.76	258	45.66
Cyperaceae			30	9.87	82	19.90	22	5.19	47	8.32
Ranunculaceae			15	4.93	17	4.13	41	9.67	33	5.84
Chenopodiaceae	4	2	3	0.99	8	1.94	1	0.24	5	0.88
Caryophyllaceae			14	4.61	5	1.21	6	1.42	24	4.25
Filipendula			7	2.30	14	3.40	8	1.89	1	0.18
Plantago lanceolata			2	0.66	10	2.43	6	1.42	2	0.35
Plantago major/media			15	4.93	5	1.21	11	2.59	4	0.71
Rumex spp.			4	1.32	14	3.40	23	5.42	12	2.12
Urtica				0.00	4	0.97	2	0.47	2	0.35
Galium t.			1	0.33	1	0.24	2	0.47		0.00
Polygonum spp.			2	0.66	14	3.40	6	1.42	8	1.42
Compositae Liguliflorae	15	22	44	14.47	14	3.40	12	2.83	21	3.72
Compositae Tubuliflorae	2	3	3	0.99	4	0.97	5	1.18	4	0.71
Cirsium/Carduus t.	1	3	5	1.64	4	0.97	5	1.18	2	0.35
Umbelliferae			3	0.99	8	1.94	3	0.71	6	1.06
Cerastium t.			2	0.66		0.00	1	0.24	4	0.71
Mentha aquatica				0.00	62	15.05	8	1.89	40	7.08
Rhiananthus			2	0.66	2	0.49	3	0.71		0.00
Prunella			2	0.66		0.00	2	0.47	4	0.71
Linum catharticum			1	0.33		0.00	5	1.18		0.00
<i>Spores</i>										
				0.00		0.00		0.00		0.00
Polypodium				0.00		0.00	1	0.24	1	0.18
Filicales			3	0.99	4	0.97	5	1.18	7	1.24
Pteridium			1	0.33	1	0.24		0.00		0.00
<i>Aquatics</i>										
				0.00		0.00		0.00		0.00
Alisma plantago-aquatica				0.00		0.00	3	0.71	4	0.71
n	22	37	304	100.00	412	100.00	424	100.00	565	100.00
Trees	0	2	24	7.89	8	1.94	15	3.54	39	6.90
Shrubs	0	1	18	5.92	7	1.70	12	2.83	34	6.02
Herbs	22	34	258	84.87	392	95.15	388	91.51	480	84.96
Spores	0	0	4	1.32	5	1.21	6	1.42	8	1.42
Aquatics	0	0	0	0.00	0	0.00	3	0.71	4	0.71

Table 14.4 Radiocarbon determinations for Trench 20 from Poznan laboratory

Lab. No.	Context	Radiocarbon Age (BP)	$\delta^{13}\text{C}$ (‰)	Material	Context	Calibrated date range (95.4% Probability)
Poz-12533	Tr.20/20014 (110-112 cm)	1835 ± 30	-26	Waterlogged seeds - terrestrial macrofossils	Trackway	80AD (95.4%) 250AD

Table 14.5: Summary quantification of key materials for each field walked

Material (No.)	Field						Total
	Field 1	Field 2	Field 3	Field 4	Field 5	Field 6	
No. Collection units	1060	415	525	273	155	112	2540
Flint	91	86	126	56	66	202	629
Prehistoric Pottery	66	2	-	1	12	1	82
Roman Pottery	76	28	71	72	289	10	848
Saxon Pottery		1		5	3	-	9
Medieval pottery	207	17	54	45	50	7	380
Post-medieval pottery	723	402	266	351	121	87	1950
Roman CBM	105 (inc. 2 tessera)	2	5	6	2	-	118
Post Roman CBM	273	247	964	673 (7 uncertain)	607 (3 uncertain)	113	2871
Worked stone	1 quern fragment (Roman)	1 ?pottery burnisher (prehist.)		1 quern fragment (Roman)			

Table 14.6: Table giving breakdown of prehistoric pottery by field and period

	EBA	LBA	MBA OR LBA	LBA OR EIA	EIA	EIA OR MIA	MIA	IA	IND	Total
Field 1		4, 25 g	2, 19 g	10, 66 g	9, 80 g	39, 289 g		1, 5 g	1, 1 g	66, 485 g
Field 2						2, 19 g				2, 19 g
Field 4	1, 25 g									1, 25 g
Field 5				3, 12 g	1, 6 g	5, 30 g	2, 17 g	1, 2 g		12, 67 g
Field 6				1, 3 g						1, 3 g
Total										82, 599

Code: EBA; early Bronze Age, LBA; late Bronze Age, EIA; early Iron Age, MIA; middle Iron Age, IA; Iron Age, IND; indeterminate

Table 14.7: Breakdown of prehistoric pottery sherds from fieldwalking by fabric

Fabric Group	Fabric Number	Description	Count	Weight (g)
A	1	20 % fine sand	35	258
AF	1	20 % fine sand and flint up to 1 mm, 10 %.	9	63
Apfe	1	20 % fine sand and 3 % Pfe sized up to 1 mm.	4	26
AC	1	20 % fine sand and 20 % finely crushed calcareous inclusions.	4	32
F	1	30 % common well sorted and calcined flint up to 1 mm.	4	14
AD	1	20 % fine sand and 10 % linear voids (possibly burned out plant remains).	3	16
BA	1	Fine micaceous sand up to 5 % and 30 % fragments of greensand up to 1 mm	1	6
AGF	1	20 % fine sand, 2 % fine flint and 15 % grog up to 1 mm.	1	25
AS	1	Fine grained sand, 20 % and rare fine shell	1	8
ASPfe	1	Coarse-grained sand, 20 %, rare fine shell and 1 % Pfe.	1	8
AB	2	Fine common sand up to 20 % and 10 % fragments of greensand up to 2 mm	6	39
AF	2	20 % fine sand and poorly sorted flint from 1-4mm, 10 %.	1	7
FAPfe	1	10 % flint up to 2 mm, well sorted, 5 % fine micaceous sand and 1 % Pfe.	1	7
F	2	10-20 % poorly sorted flint from 1-2 mm.	5	34
BA	2	Fine common sand up to 20 % and 25 % fragments of greensand up to 2 mm	1	16
BA	3	Fine common sand up to 20 % and 25 % fragments of greensand up to 5 mm	1	17
Pfe	1	20 % Pfe sized between 3-4 mm.	1	10
S	5	25 % coarse shell up to 5-6 mm.	1	7
IND	0		1	1
			82	599

Table 14.8: Quantification of Roman pottery and ceramic building material from fieldwalking by field and ware group (sherd count)

Ware	Field						Total	%
	1 0-999, 2000- 2200	2 1000-	3 3000-	4 4000-	5 5000- 5199	6 5200- 5312		
S	5	1		1	2		9	1.1
F	36		11	11	5		63	9.7
M	2	1	3	3		1	10	1.2
W	3	1	1	2	2		9	1.1
Q	3						3	0.4
E	24				42		66	7.8
O	34	4	18	4	13	1	74	8.7
R	232	13	32	38	219	8	542	63.8
B	12			3	1		16	1.9
C	1		1		1		3	0.4
Unass	27	8	5	10	4		54	6.4
Total	379	28	71	72	289	10	849	
Average no. sherds per stint	0.4	0.1	0.1	0.3	1.9	0.1	0.3	
Ceramic building material	105	1	5	6	2		119	

Table 14.9: Summary of Saxon and Medieval pottery fabrics by field

Fabric	Field						Total
	1	2	3	4	5	6	
F1		1		5	1		7
F2					1		1
F200	5	1	3	5	1	1	16
F202	15		4	5	10	1	35
F300	76		4	4	9	1	94
F352	38	2	22	2	7	2	73
F404	3						3
F405	3			1			4
F425	66	14	21	26	23	2	152
F443	1			2			3
Total	207	18	54	50	52	7	388

Table 14.10: The flint assemblage

Category:	Field 1 <1000 & 2000s	Field 2 1000s	Field 3 3000s	Field 4 4000s	Field 5 5000- 5199	Field 6 >5200	Total
Flake	71	69	85	49	53	146	478
Blade	2	1	6	2	2	10	23
Bladelet		1			1	2	4
Blade-like	2	1	5	1		4	13
Irregular waste	3	2	7		4	13	29
Chip		1	2			6	9
Micro burin			1			1	2
Rejuvenation flake core face/edge		1					1
Rejuvenation flake tablet		1		1			2
Janus flake (= thinning)						1	1
Tested nodule/bashed lump	2		1		1	2	6
Single platform flake core		2				2	4
Multi-platform flake core	3	1	4	1		2	11
Levallois/ other discoidal flake core						1	1
Unclassifiable/fragmentary core			1			1	2
Barbed and tanged arrowhead					1		1
End scraper	1	2	1		1	6	11
Side scraper			2		2		4
End and side scraper	1	1	2	1	1	1	7
Other scraper	2						2
Notch						1	1
Backed knife		2					2
Plano-convex knife			1				1
Retouched flake			3	1		1	5
Fabricator			1				1
Misc. retouch			2				2
Hammerstone			1				1
Strike-a-light (post medieval)			1				1
Gunflint	1	1				2	4
Total	91	86	126	56	66	202	629
No. burnt (exc. chips) (%)	4 (4.3)	3 (3.5)	7 (5.6)	4 (7.1)	4 (6.1)	11 (5.6)	33 (5.3)
No. broken (exc. chips) (%)	10 (10.9)	17 (20)	34 (27.4)	18 (32.1)	13 (19.7)	54 (27.6)	146 (23.6)
No. retouched (exc. chips) (%)	4 (4.3)	5 (5.9)	12 (9.7)	2 (3.6)	5 (7.6)	9 (4.6)	35 (5.7)
% of blades/bladelets/blade-like flakes in flake assemblage	5.3	4.3	12.9	5.7	5.4	11.0	7.7

Table 14.11: Distribution and density of flintwork by field

	Field 1	Field 2	Field 3	Field 4	Field 5	Field 6	Total
Total number of flints	93	86	126	56	66	202	629
Number of collection units	1060	415	525	273	155	112	2540
Average No. of flints per 20 m collection unit	0.09	0.21	0.24	0.21	0.43	1.80	0.25
Estimated flints per hectare	22	52	60	51	106	451	62

Table 14.12: Summary of stone objects from fieldwalking

	Facetted pebble	Hammerstone	Polisher	Quern	Whetstone	total
Devonshire Batts					1	1
Greensand					1	1
Niedermendig lava				1		1
Quartzite	1	1	1			3
Upper Old Red Sandstone, Quartz conglomerate				1		1
Total	1	1	1	2	2	7

Table 14.13: Summary of burnt stone from fieldwalking

Type of stone	No of pieces
Chert	2
Flint	82
Greensand	4
Limestone	3
Quartzite	40
Quartzitic sandstone	6
Vein quartz	2
Total	139

Table 14.14 Roman coins from fieldwalking

SF	Context	Date	Denomination	Reverse	Mint	Obverse	Comment
LWNT 03.83	MD 698	c 260- 295	Antoninianus 17x15	Standing figure		Radiate head right	Worn, no legends visible. Irregular?
	MD 756	330- 335	AE4 13	Wolf and twins	mm illegible	Urbs Roma head left	Worn and battered
LWNT 04.127	15000	c 260- 295	Antoninianus 20x17	? P]AX [AUG Standing figure		Radiate head right	Worn
15011	15000	c 260- 295	Antoninianus 17x16	Standing figure		Radiate head right	Very corroded

Table 14.15: Quantification of glass, clay pipe, slag and oyster shell recovered from fieldwalking

Material	No. of fragments	Weight (g)
Glass	250	2604
Clay pipe	209	387
Slag	61	1228
Oyster shell	45	148

Table 14.16 Radiocarbon determinations provided by Poznan laboratory for samples from a peat column taken from the Thames floodplain below Castle Hill

Lab. No.	Depth	Material	Delta 13	Radiocarbon Age (BP)	95.4% Probability
Poz-14310	39-41 cm	2 x Sambucus nigra		130±30BP	1670AD - 1950AD
Poz-14311	79-81 cm	1 x Carex spp., 1 x Urtica dioica, 1 x Cyperus indet., 2 x Populus buds		310±30BP	1480AD - 1650AD
Poz-14312	119-121 cm	2 x Eleocharis subgenus palustris		2270±60BP	420BC - 160BC
Poz-14313	157-161 cm	1 x Urtica dioica, 1 x Iris pseudocorus, 2 x Cladium mariscus, 1 x Eleocharis subgenus palustris, 3 x Glyceria spp., 1 x Mentha aquatica, 5 x Apium nodiflorum		2335±35BP	520BC - 230BC
Poz-14309	193-195 cm	1 x Apium nodiflorum, 1 x Caltha palustris, 2 x Rumex conglomeratus, 1 x Polygonum aviculare agg. 2 x Glyceria sp. 1 x Silene dioica, 1 x Chenopodium album, 1 x Viola subgenus viola, 1 x Carduus/Cirsium		2550±35BP	810BC - 540BC

Depth (cm)	5	12	16	20	28	32	40	48	50	54	58	70	78	80	92	96	114	120	150	152	158	160	162	164	166	168	170	172	174	176	178	180	182	184	186	188	190	192	194	196	198	Total		
Populus sp. Buds														2																													2	
Sambucus nigra	1	3	2	1	3	6	2	1	1			2										1		1									1										25	
Rubus fruticosus																														1					1						1	3		
Silene dioica																																			1					1	2			
Glyceria maxima																							1			3	2	1	13	2	3	3	1	1			1	1	1	2	3	5	43	
Cyperaceae													1			1																8	3									13		
Carex													1										1							1	2	2				1						8		
Cladium mariscus																			1	1																						2		
Eleocharis palustris																	2	1																									3	
Caltha palustris																																						1	1			2		
Apium nodiflorum																				1	1	2	3	3			2					1	1	1		1	2		4	1	2	25		
Berula erecta																																											1	
Iris pseudocorus																						1																					1	
Mentha aquatica																																											1	1
Ranunculus sp.																														1													1	
Ranunculus repens		1														1																											3	
Ranunculus bulbosus																											1																	1
Rumex conglomeratus agg.				1	1					1			1											1				1	2	3			3	2	4	1	1	1	1	1	3	2	29	
Polygonum aviculare																										1																	2	
Labiatae sp.																								1																			1	
Viola sub. Viola																																											3	
Moehringia trinervia																													1														3	
Eleocharis palustris																	2	1																									3	
Epilobium sp.																																											1	1
Sonchus asper																												1															1	
Cirsium sp.																												1		1								1					3	
Chenopodium album																											1								1	1	1					1	5	
Atriplex						1		2			1																						1										5	
Urtica														1																												2		

Table 14.17. Plant macrofossils from peat at base of Castle Hill

Depth (cm)		1	5	12	16	20	24	28	32	36	40	44	48	50	54	58	70	74	78	80	88	92	96	114	120	140	144	148	
Woodland	Discus routndatus			1	3			1		1																			
	Oxychilus cellarius								2																				
	Aegapenella nitudula												1																
	Nesovitrea harmonis																												
Catholic	Ashfordia granulata																				2								
	Carychium sp.			1	3	1	1	1	1	2	1	1	1									3			2				
	Coclicopa sp.	1	1									1									2								
	Vitreae					1	1	1				1	1																
	Cepea sp.																												
Open	Vallonia sp.			2			2			1	1										3				1				
	Trichia hispida						2	1	1		1	3	2		1			1			8			1	1		1		
Marsh	Succinea/Oxyloma		1								1										1				1				
	Zonitoides										1																		1
	Vertigo antivertigo												1																
	Vertigo sp.													1															
Aquatic	Pisidium sp.	1	1																						1				
	Lymnaea truncatula																											1	
	Succinea pfefferi																												
	Valvata piscinalis																												
Others																					1								
	Limax/Dericera																				1								
Total		2	3	3	4	5	6	4	4	4	5	6	6	1	1	0	0	1	0	2	0	2	0	1	6	0	2	1	

Table 14.18 Snail macrofossils from peat at base of Castle Hill

Table 14.19 Numbers and percentages of pollen taxa from peat at base of Castle Hill

	40cm	%	80cm	%	120 cm	%	160 cm	%	200 cm	%	240 cm
Trees											
Betula	11	3.00	2	1.93		0.00		0.00		0.00	12
Pinus	12	3.27	2	1.93		0.00	1	0.23		0.00	13
Quercus	22	5.99	11	10.61	2	0.46		0.00	11	4.58	
Tilia	2	0.54		0.00		0.00		0.00	1	0.42	
Fraxinus	14	3.81	4	3.86	1	0.23		0.00	3	1.25	
Alnus	9	2.45	10	9.65		0.00	4	0.90	33	13.75	
Shrubs											
Corylus	33	8.99	9	8.68	5	1.14	19	4.28	15	6.25	8
Salix	5	1.36	3	2.89		0.00	1	0.23	4	1.67	
Crataegus t.	1	0.27		0.00		0.00		0.00		0.00	
Rubus t.	5	1.36	4	3.86		0.00		0.00	4	1.67	
Herbs											
Cereal t.	3	0.82	12	11.57		0.00	8	1.80	5	2.08	
Gramineae	77	20.98	102	98.39	202	46.12	178	40.09	102	42.50	1
Cyperaceae	51	13.90	98	94.53	77	17.58	44	9.91	22	9.17	
Ranunculaceae	12	3.27		0.00	4	0.91	4	0.90	2	0.83	
Chenopodiaceae	4	1.09	1	0.96	2	0.46	21	4.73	1	0.42	
Caryophyllaceae	2	0.54		0.00		0.00	3	0.68		0.00	
Filipendula	23	6.27	14	13.50	2	0.46	5	1.13	2	0.83	
Plantago lanceolata	6	1.63	33	31.83	21	4.79	21	4.73	3	1.25	
Plantago major/media	2	0.54	2	1.93		0.00	4	0.90		0.00	
Rumex spp.	17	4.63	12	11.57	53	12.10	44	9.91	5	2.08	
Urtica	21	5.72	13	12.54		0.00	4	0.90	1	0.42	
Galium t.	4	1.09		0.00		0.00		0.00		0.00	
Polygonum spp.	2	0.54		0.00	4	0.91	23	5.18		0.00	
Compositae											
Liguliflorae	2	0.54	14	13.50	33	7.53	44	9.91	2	0.83	
Compositae											
Tubuliflorae		0.00		0.00	3	0.68		0.00		0.00	
Cirsium/Carduus t.	2	0.54		0.00	4	0.91		0.00		0.00	
Umbelliferae	14	3.81	4	3.86	14	3.20	10	2.25	15	6.25	
Mentha aquatica	4	1.09		0.00		0.00		0.00	2	0.83	
Spores											
Polypodium	1	0.27		0.00		0.00		0.00	4	1.67	
Filicales	2	0.54	4	3.86	11	2.51	6	1.35	3	1.25	
Pteridium	4	1.09		0.00		0.00		0.00		0.00	
Total number	367		354		438		444		240		34
Trees	70	19.07	29	8.19	3	0.68	5	1.12	48	20.00	25
Shrubs	44	11.99	16	4.52	5	1.14	20	4.48	23	9.58	8
Herbs	246	67.03	305	86.16	419	95.66	413	92.60	162	67.50	1
Spores	7	1.91	4	1.13	11	2.51	6	1.35	7	2.92	0

Note there were insufficient grains preserved and counted to yield a statistically reliable count from 240cm

