

Settling the Ebbsfleet Valley

**High Speed 1 Excavations at Springhead and Northfleet, Kent
The Late Iron Age, Roman, Saxon, and Medieval Landscape**

Volume 2: Late Iron Age to Roman Finds Reports

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Chapter I. Pottery Tables

Table 3. Springhead: number of South Gaulish ware vessel forms by excavation area

Vessel form	Roadside	Sanctuary
Hermet 5	0	1
Ritt 1	1	1
Ritt 12	6	7
Ritt 12 or Curle 11	6	2
Ritt 13	2	0
Ritt 8	1	1
Ritt 8 or 9	1	0
Ritt 9	4	5
11	0	1
15/17	46	37
15/17 or 18	65	34
15/17R	1	3
15/17R or 18R	8	5
16	3	2
18	225	140
18 or 18R	8	7
18R	28	11
22	2	0
24/25	15	8
27	123	79
27g	23	15
29	74	43
30	8	13
33	14	3
33/33a var	0	1
33a	2	0
35	30	16
36	27	13
35 or 36	7	2
37	31	22
30 or 37	2	1
42 (D1)	4	0
42 (D2)	0	1
42 (D2 var)	0	2
46	3	0
46 var (F1)	0	1
67	0	3
78	1	0
?	67	45
Curle 11	6	1
Curle 15	3	1
Curle 15 or 23	1	0
Curle 23	1	0
cup	27	14
dec form	2	0
dish or bowl	44	14
flanged bowl	1	0
Total	923	555

Table 4. Springhead: number of vessels stamped by La Graufesenque potters, listed in blocks by date

Date	Potter	Sanctuary	Roadside	Total
AD 45-70	Silvanus i	–	1	1
	Modestus i	–	1	1
	Niger ii	–	1	1
	Senecio	1	–	1
	Felix i	–	1	1
	Albus i	–	1	1
	Matugenus ii	–	1	1
	Pass(i)enus	–	2	2
	Primus iii	–	3	3
Castus i	–	1	1	
AD60-85	Germanus i	2	–	2
	Capitus ii	1	–	1
	Cosius Rufinus	–	1	1
	Macer i	–	1	1
	Masclinus	–	1	1
	Senicio	1	–	1
	Pontieus	–	1	1
Primulus i	–	1	1	
AD 70-95	Pontus	–	1	1
	Rufinus iii	–	2	2
	Censor i	–	1	1
	Vitalis ii	1	1	2
	Severus iii	1	–	1
	Virilis i	–	1	1
	Calvus	–	1	1
AD 70-100	Cotto ii	–	2	2
	Gaius i	–	1	1
	C. Valerius Albanus	–	1	1
	L. Ter_ Secundus	–	1	1
AD 80-110	Iullinus	–	1	1
	A.Cosius Iucundus,	–	1	2
	Total	8	31	39

Table 5. Springhead: number of Central Gaulish (Lezoux) ware vessel forms by excavation area

Form	Roadside	Sanctuary
18/31	88	70
18/31 - 31series	15	34
18/31 or 31	18	22
18/31R	19	18
18/31R or 31R	29	33
27	34	38
30	8	9
31	54	76
31 or 31R	2	4
31R	29	27
32	1	–
33	123	143
33a	1	1
35	5	3
36	26	28
35 or 36	3	1
37	99	100
30 or 37	7	1
38	6	12
40	–	3
42 (D2)	1	1
42 (E1)	–	1
44	3	1
38 or 44	–	1
45	6	1
46	–	1
O&P LV,13	1	–
Déchelette 67	–	1
Déchelette 72	–	1
Walters 79	5	7
?	35	117
Walters 79 or 80	–	2
Walters 79 or Lud Tg	–	1
Walters 79R	1	–
Curle 11	7	2
Curle 15	2	5
Curle 15 or 23	–	2
Curle 21	1	–
Curle 23	–	4
closed form	2	2
cup	9	7
dish or bowl	100	78
flanged bowl	2	6
Gritted mortarium	1	–
Total	743	864

Table 6. Springhead: number of vessels by Central Gaulish potters, listed in blocks by date

Date	Potter	Sanctuary	Roadside	Total
Trajanic–early Hadrianic	X-9	2	2	4
Hadrianic	X-5	1	1	4
	Anon (tassel ovolo)	1	1	
AD 125–50	Butrio	–	1	16
	Avitus	–	1	
	Secundinus III	–	1	
	Priscianus	1	–	
	Geminus	1	–	
	Acavissa	1 (sig)	–	
	Large S	1	–	
	Quintilianus	2	2	
	Sacer/Attianus	–	2	
	Attianus	–	1	
	X-6D	–	2	
AD 130–70	X-6A	2	–	11
	Cerialis	–	1 (sig)	
	Criciro	1	2	
	Cinnamus/Cerialis	3	2	
	Sacer/Cinnamus	–	–	
AD 140–75	Pugnus	1	1	4
	Secundus	1	–	
	Divixtus	1	–	
AD 150–80	Cinnamus Group	4	10 (1 stamp)	15
	Albucus	1	–	
AD 160–90/200	Doecus	2	4	21
	Censorinus	1	–	
	Casurius	1	–	
	Servus II	–	1	
	Albucus or Paternus II	1	1	
	Paternus II or Iustus	1	1	
	Paternus II	2 (1 stamp)	4	
	Iustus	2	–	
	Total	34	41	75

Table 7. Springhead: number of vessels stamped by Lezoux Potters, listed in blocks by date

Date	Potter	Sanctuary	Roadside	Total
Hadrianic	Silvinus iv	–	1	1
AD 125–55	Beliniccus i	1	–	5
	Cracuna i	1	–	
	Martio i	–	1	
	Ruffus ii	1	–	
	Sedatus iv	–	1	
AD 130–70	Albinus iv	1	1	6
	Criciro v	1	–	
	Ianuarius ii	1	–	
	Sacer_	1	–	
	Tertiolus I	1	–	
AD 140–80	Albus iii	1	–	8
	Borrillus I	–	1	
	Burdo	2	–	
	Caculus	1	–	
	Calendio	–	1	
	Cinnamus*	–	1	
	Muxtullus	1	1	
	Reogenus	1	–	
AD 150–80	Banoluccus	1	–	4
	Cobnertus iii	–	1	
	Peculiaris	1	–	
	Rufus iv	–	1	
AD 160–90/200	Belsa Arvericus	1	–	9
	Doeccus I	1	–	
	Paternus v	2 (1*)	–	
	Paulus v	–	1	
	Sacrillus	1	–	
	Severianus I	1	–	
	Severus vi	–	1	
	Sextus v	1	–	

* decorated vessels

Table 8. Hadrianic and Antonine East Gaulish vessels

Production centre	Total vessels	Vessel Form (Dragendorf forms unless specified)															
		27	33	40	46	18/31	18/31R	31 Lud Sa	Lud Sa var	31R Lud Sb	38/ flanged bowl	cup	Dish/ bowl	30	37		
Chemery	1	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–
Heiligenberg	2	1	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–
Blickweiler	1	–	–	–	–	1*	–	–	–	–	–	–	–	–	–	–	–
La Madelaine	2	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–
La Mad or Argonne	1	–	–	–	–	–	1?	–	–	–	–	–	–	–	–	–	–
Argonne	37	–	3	–	1	1	–	4	–	4	2	2	8	–	12	–	–
Trier	7	–	–	–	–	–	–	–	–	1	–	–	–	1	5	–	–
Rheinzabern	2	–	–	–	–	–	1*	–	–	–	–	–	–	–	–	–	1
EG (unspecified)	9	–	1	–	–	1	–	3***	1	–	1	–	1	–	1	–	1

* stamped vessel

Table 9. Springhead: late 2nd and 3rd century East Gaulish vessels

Production centre	Total vessels	Vessel Form (Dragendorff forms unless specified)																
		32	32 or 40	33	31 Lud Sa	31 R Lud Sb	31 or 31R	36	37	38	38 or 44	43	43 or 45	45	Walters 79	Mortaria	Bowl	Closed
Argonne	6	–	–	1	–	1	–	–	1	–	–	–	–	1	–	2	–	–
Trier	25	–	–	3	1*	2	–	–	5	–	1	1	1	9	–	–	1	1
Rheinzabern	23	1	–	4	1*	3	3	1	5	1	–	1	–	1	–	–	2	–
East Gaul unspecified	39 (+ 4 unident)	1	1	5	7	7	3	2	4	1	–	–	1	2	1	–	3	1

* stamped vessels

Table 16. Springhead: total quantities (number and weight (g) of sherds) from the major feature groups, summarised by ware group and vessel form class
 Nb. * = less than 1%; amph = amphora; misc = specialized forms; mort = mortaria; st. jar = storage jar

Entity		Imported fineware	Amphora	Mortaria	British fineware	Oxidised ware	Coarseware	Total	Average weight				
Property 1:	number		2					2					
	weight		307					307	-				
	% number		100%										
	total no. rims = 0												
Property 2:	number	346	56	63	577	500	5797	7339					
	weight	5431	9254	5725	5714	8475	119820	154419	21 g				
	% number	8%	*	*	8%	9%	79%						
	total no. rims = 992	Amph *	Beaker 8%	Bowl 7%	Cup *	Dish 32%	Flagon 3%	Jar 40%	Lid 3%	Misc *	Mort 2%	Platter 2%	St. jar 4%
Property 2/3:	number	7	2		10	2	141	162					
	weight	116	35		135	20	2816	3122	19 g				
	% number	4%	1%		6%	1%	87%						
	total no. rims = 15												
Property 3:	number	349	77	107	1238	799	7193	9763					
	weight	4169	9697	7394	11414	12238	166459	211371	22 g				
	% number	4%	*	1%	13%	8%	74%						
	total no. rims = 968	Amph	Beaker 8%	Bowl 17%	Cup *	Dish 13%	Flagon 3%	Jar 41%	Lid 6%	Misc *	Mort 1%	Platter 2%	St. jar 8%
Property 4:	number	148	46	17	247	218	3468	4144					
	weight	2083	7449	888	2610	4780	58853	76663	18g				
	% number	4%	1%	*	6%	5%	84%						
	total no rims = 415	Amph	Beaker 5%	Bowl 7%	Cup	Dish 30%	Flagon 3%	Jar 46%	Lid 3%	Misc *	Mort 1%	Platter *%	St. jar 3%

Entity		Imported fineware	Amphora	Mortaria	British fineware	Oxidised ware	Coarseware	Total	Average weight				
Property 4/5:	number	1			5		29	35					
	weight	3			21		242	266	8 g				
	<i>% number</i>	<i>3%</i>			<i>14%</i>		<i>83%</i>						
	total no rims = 6												
Property 5:	number	82	17	8	223	190	1476	1996					
	weight	1092	953	2755	1598	2992	23280	32670	16 g				
	<i>% number</i>	<i>4%</i>	<i>*</i>	<i>*</i>	<i>11%</i>	<i>10%</i>	<i>74%</i>						
	total no rims = 229	Amph	Beaker 6%	Bowl 9%	Cup	Dish 23%	Flagon 1%	Jar 45%	Lid 7%	Misc *	Mort 2%	Platter 2%	St. jar 4%
Property 6:	number	39	15	5	54	50	831	994					
	weight	299	1286	145	262	271	8213	10476	10 g				
	<i>% number</i>	<i>4%</i>	<i>1%</i>	<i>*</i>	<i>5%</i>	<i>5%</i>	<i>84%</i>						
	total no rims = 94												
Property 7:	number	15	2	2	71	100	374	564					
	weight	295	330	295	391	686	4630	6627	12 g				
	<i>% number</i>	<i>3%</i>	<i>*</i>	<i>*</i>	<i>13%</i>	<i>18%</i>	<i>66%</i>						
	total no rims = 41												
Property 8:	number	2	1	1	37	39	333	413					
	weight	7	40	53	245	810	7289	8444	20 g				
	<i>% number</i>	<i>*</i>	<i>*</i>	<i>*</i>	<i>9%</i>	<i>9%</i>	<i>81%</i>						
	total no rims = 31												
Property 9:	number	44	13	11	65	84	604	821					
	weight	671	701	790	442	968	14031	17603	21 g				
	<i>% number</i>	<i>5%</i>	<i>2%</i>	<i>1%</i>	<i>8%</i>	<i>10%</i>	<i>74%</i>						
	total no rims = 67												

Entity	Imported fineware	Amphora			Mortaria		British fineware		Oxidised ware		Coarseware			Total	Average weight
Property 10: number weight % number	192 1620 4	26 2391 *			68 5319 1%		1104 8061 20%		687 8746 13%		3332 70684 62%			5409 96821	18 g
total no rims = 448	Amph *	Beaker 12%	Bowl 21%	Cup 1	Dish 6%	Flagon 3%	Jar 36%	Lid 5%	Misc *	Mort 3%	Platter 5%	St. jar 6%			
Property 11: number weight % of number	436 4473 4%	225 13337 2%			46 4664 *		1880 15758 16%		1036 14059 9%		7952 152853 69%			11575 205144	18 g
total no rims = 1073	Amph *	Beaker 12%	Bowl 12%	Cup *	Dish 14%	Flagon 2%	Jar 35%	Lid 6%	Misc *	Mort 1%	Platter 6%	St. jar 10%			
Property 12: number weight % number	135 2103 4%	66 2984 2%			15 2344 *		324 3157 10%		193 2364 6%		2652 41814 78%			3385 54766	16 g
total no rims = 384	Amph *	Beaker 11%	Bowl 6%	Cup	Dish 31%	Flagon 3%	Jar 39%	Lid 4%	Misc	Mort 2%	Platter 2%	St. jar 2%			
Shrine: number weight % number total no rims = 18	1 15 *						21 96 9%		14 149 6%		204 1619 85%			240 1879	8 g
Watling Street: number weight % number total no rims = 1	1 4 4%				2 175 8%		2 16 8%		6 44 24%		14 210 56%			25 449	18 g

Entity	Imported fineware	Amphora			Mortaria	British fineware		Oxidised ware		Coarseware			Total	Average weight
Branch Road: number weight % number total no rims = 6	10 38 7%					21 148 15%	38 241 26%	75 1176 52%	144 1603				11 g	
Trackway: number weight % number total no rims = 2	2 9 22%					2 56 22%		5 268 55%	9 333				37 g	
Roadside ditch 1: number weight % number total no rims = 227	75 766 3%	11 317 *		6 844 *	600 5872 21%		278 3944 10%		1828 45072 65%			2798 56815	20 g	
	Amph	Beaker 20%	Bowl 17%	Cup 1%	Dish 4%	Flagon 3%	Jar 34%	Lid 6%	Misc *	Mort 1%	Platter 6%	St. jar 8%		
Roadside ditch 2: number weight % number total no rims = 110	56 582 3%	3 110 *		1 140 *	203 1572 11%		195 2215 11%		1398 36269 75%			1856 40888	22 g	
	Amph	Beaker 17%	Bowl 13%	Cup	Dish %	Flagon 9%	Jar 31%	Lid 6%	Misc *	Mort	Platter 9%	St. jar 14%		
Roadside ditch 3: number weight % number total no rims = 291	48 697 2%	13 1274 *		13 1546 *	428 4232 15%		322 3600 11%		2062 53746 71%			2886 65095	22 g	
	Amph	Beaker 9%	Bowl 18%	Cup 1%	Dish 3%	Flagon 3%	Jar 36%	Lid 9%	Misc *	Mort 6%	Platter	St. jar 14%		

Entity	Imported fineware	Amphora	Mortaria	British fineware	Oxidised ware	Coarseware	Total	Average weight				
LIA encl & assoc features number weight <i>% number</i> total no rims = 86	6 41 *	1 17 *		21 291 1%	48 458 3%	1690 32256 96%	1766 33063	19 g				
LIA 'SFB': number weight <i>% number</i> total no rims = 26					5 83 1%	448 5839 99%	453 5922	13 g				
Processional way & encl: number weight <i>% number</i> total no rims = 45	7 90 1%		1 26 *	41 626 6%	59 367 8%	587 9597 84%	695 10706	15 g				
Early road & assoc feats: number weight <i>% number</i> total no rims = 151	46 1431 3%	7 434 *	6 403 *	158 1897 9%	134 2212 8%	1384 35750 80%	1735 42127	24 g				
	Amph	Beaker 10%	Bowl 17%	Cup	Dish 5%	Flagon 3%	Jar 38%	Lid 7%	Misc 2%	Mort *	Platter 9%	St. jar 9%
Post-road, pre-sanctuary deposits: number weight <i>% number</i> total no rims = 284	113 1064 4%	27 2809 1%	15 1674 *	296 2914 11%	213 2844 8%	1929 45067 74%	2593 56372	22 g				
	Amph	Beaker 9%	Bowl 10%	Cup 1%	Dish 11%	Flagon 2%	Jar 48%	Lid 5%	Misc	Mort 2%	Platter 5%	St. jar 7%

Entity	Imported fineware	Amphora			Mortaria		British fineware		Oxidised ware		Coarseware			Total	Average weight
Pre-sanctuary structures/deposits : number weight % number	107 1070 5%	29 2074 1%			4 272 *		306 3144 13%		164 2400 7%		1722 45731 74%			2332 54691	23 g
total no rims = 278	Amph	Beaker 12%	Bowl 20%	Cup *	Dish 9%	Flagon 1%	Jar 30%	Lid 10%	Misc *	Mort *	Platter 4%	St. jar 14%			
Bakeries, pre-sanctuary: number weight % number	134 1321 3%	13 1564 *			9 1145 *		503 3591 13%		240 3058 6%		3027 58991 77%			3926 69670	18 g
total no rims = 293	Amph	Beaker 9%	Bowl 11%	Cup	Dish 14%	Flagon 3%	Jar 42%	Lid 5%	Misc 1%	Mort 2%	Platter 4%	St. jar 10%			
Beam-slot structure 400054 number weight % number total no rims = 61	23 201 2%	25 7735 2%			2 36 *		70 631 7%		76 824 7%		811 20308 80%			1007 29735	29 g
Channel fills: number weight % number	100 1721 6%	31 2869 2%			11 786 *		146 1374 9%		166 2760 10%		1166 28445 72%			1620 37955	
total no rims = 169	Amph *	Beaker 4%	Bowl 20%	Cup *	Dish 8%	Flagon 2%	Jar 40%	Lid 5%	Misc *	Mort 2%	Platter 3%	St. jar 14%			

Entity	Imported fineware	Amphora	Mortaria	British fineware	Oxidised ware	Coarseware	Total	Average weight				
Colluvial deposits in spring: number weight % number total no rims = 202	96 1317 5%	18 1341 *	13 734 *	511 1017 24%	105 1270 5%	1363 17392 65%	2106 23071	11 g				
	Amph	Beaker 9%	Bowl 5%	Cup	Dish 30%	Flagon *	Jar 44%	Lid 2%	Misc	Mort 2%	Platter 3%	St. jar 4%
Sanctuary Complex, enclosing ditch: number weight % number total no rims = 259	133 1291 5%	46 2337 2%	11 1176 *	357 1780 12%	235 2118 8%	2116 26939 73%	2898 35641	12 g				
	Amph	Beaker 6%	Bowl 7%	Cup *	Dish 25%	Flagon *	Jar 49%	Lid 5%	Misc	Mort *%	Platter 3%	St. jar 3%
Sanctuary Complex, Portico building: number weight % number total no rims = 92	31 246 2%	10 267 *	6 364 *	105 541 8%	63 765 5%	990 14594 82%	1205 16777	14 g				

Entity	Imported fineware	Amphora			Mortaria		British fineware		Oxidised ware		Coarseware		Total	Average weight
Sanctuary Complex, pit align N of Portico build: number weight % number total no rims = 281	86 1159 3%	25 3605 *			12 1131 *		224 1844 8%		158 1745 6%		2134 33200 81%		2639 42684	16 g
	Amph	Beaker 5%	Bowl 6%	Cup	Dish 23%	Flagon 2%	Jar 54%	Lid 2%	Misc *	Mort *	Platter 2%	St. jar 4%		
Sanctuary Complex, ritual shaft: number weight % number total no rims = 180	99 1282 5%	9 825 *			11 883 *		167 1026 9%		91 1095 5%		1497 22061 80%		1874 27172	14 g
	Amph	Beaker 7%	Bowl 9%	Cup	Dish 30%	Flagon 1%	Jar 43%	Lid 2%	Misc *	Mort 1%	Platter 1%	St. jar 5%		
Sanctuary Complex, temple: number weight % number total no rims = 338	172 2115 5%	54 5685 1%			23 1833 *		310 2435 9%		250 3898 7%		2500 41159 76%		3309 57125	17 g
	Amph	Beaker 9%	Bowl 7%	Cup *	Dish 24%	Flagon 3%	Jar 46%	Lid 3%	Misc *	Mort 2%	Platter *	St. jar 4%		

Entity	Imported fineware	Amphora		Mortaria	British fineware		Oxidised ware	Coarseware		Total	Average weight	
Sanctuary Complex, three pits: number weight % number	40 546 3%	5 172 *	1 13 *	271 1875 19%	107 1232 7%	1013 19014 70%	1437 22852	16 g				
total no rims = 141	Amph	Beaker 14%	Bowl 18%	Cup	Dish 2%	Flagon *	Jar 34%	Lid 16%	Misc	Mort	Platter 9%	St. jar 5%
Sanctuary Complex, assoc features: number weight % number total no rims = 30	35 1020 11%		1 28 *	25 156 7%	23 277 7%	247 4115 75%	331 5596	17 g				
Sanctuary Complex, late deposits: number weight % number	321 3670 14%	123 6454 5%	25 1756 1%	112 836 5%	88 1781 4%	1685 23213 72%	2354 37710	16 g				
total no rims = 257	Amph	Beaker 3%	Bowl 3%	Cup	Dish 38%	Flagon 1%	Jar 45%	Lid 2%	Misc *	Mort 3%	Platter 2%	St. jar 4%
Sanctuary complex subtotal: number weight % number	47531.7 47531.7 6%	56769.83 56769.83 2%	15650.87 15650.87 *	98526.06 98526.06 10%	102769.22 102769.22 6%	1359120.97 1359120.97 76%	1743470.79 1743470.79	15 g				
total no rims = 1578	Amph	Beaker 7%	Bowl 8%	Cup *	Dish 25%	Flagon 2%	Jar 46%	Lid 4%	Misc *	Mort 1%	Platter 2%	St. jar 4%

Entity	Imported fineware	Amphora	Mortaria	British fineware	Oxidised ware	Coarseware	Total	Average weight				
Pits N of sanctuary complex: number weight % number	41 371 3%	7 177 *	1 132 *	323 1718 16%	172 1940 8%	1444 26328 73%	1988 30666	15 g				
total no rims = 156	Amph	Beaker 13%	Bowl 12%	Cup 1%	Dish 6%	Flagon 4%	Jar 38%	Lid 9%	Misc	Mort	Platter 7%	St. jar 10%
Feats E of encl 400017: number weight % number	36 478 3%	4 133 *	4 345 *	228 1680 16%	111 1132 8%	1054 17561 73%	1437 21329	15 g				
total no rims = 125	Amph	Beaker 19%	Bowl 14%	Cup	Dish 3%	Flagon 3%	Jar 30%	Lid 12%	Misc *	Mort *	Platter 4%	St. jar 12%
Features in S/SE corner: number weight % number total no rims = 50	33 368 4%	5 91 *		84 396 11%	55 398 7%	584 10343 77%	761 11596	15 g				
Viewing platform 1: number weight % number	33 200 3%	17 2228 1%	5 752 *	153 830 13%	76 865 6%	925 13814 76%	1209 18689	15 g				
total no rims = 99	Amph	Beaker 4%	Bowl 25%	Cup	Dish 16%	Flagon 1%	Jar 35%	Lid 12%	Misc	Mort 2%	Platter 2%	St. jar 2%

Entity	Imported fineware	Amphora			Mortaria		British fineware		Oxidised ware		Coarseware		Total	Average weight
Viewing platform 2: number weight % number	119 1148 2%	21 2382 *			7 1218 *		1036 8503 16%		627 7432 9%		4796 89946 73%		6606 110629	17 g
total no rims = 569	Amph *	Beaker 12%	Bowl 13%	Cup	Dish 2%	Flagon 2%	Jar 40%	Lid 8%	Misc *	Mort *	Platter 7%	St. jar 15%		
Pits E of VP2: number weight % number	39 328 3%	14 1492 1%			2 102 *		94 404 7%		52 478 4%		1138 15998 85%		1339 18802	14 g
total no rims = 112	Amph	Beaker 7%	Bowl 10%	Cup	Dish 16%	Flagon *	Jar 53%	Lid 7%	Misc	Mort	Platter 5%	St. jar *		
Saxon features: number weight % number total no rims = 52	30 230 4%				2 123 2%		47 243 8%		37 353 5%		495 5863 81%		611 6812	11 g

Table 24. Northfleet: key Roman pottery groups

Phase	Date range AD	Key context-groups
Early Roman	43–120	10395, 10396, 10683, 10715, 10755, 10800, 10801, 10832, 15196, 15206, 15211, 15563, 15565, 15651, 15741, 15927, 15928, 15982, 15983, 16005, 16239, 16346, 16349, 16369, 20041, 20064, 20119, 20467, 20513
Middle Roman	120–70	10027, 10570, 10602, 10703, 10873, 15122, 15233, 15284, 15383, 15451, 15499, 15792, 15923, 16091, 16093, 16215, 16217, 16342, 16386, 16522, 16524, 16597, 19055, 19213, 20031, 20061, 20066, 20121, 20160, 20185, 20193, 20208, 20267, 20271, 20283, 20420, 20433, 20566, 20568, 20699, 100089
	150–200	10010, 10016, 10111, 10890, 15088, 15408, 15686, 15793, 16057, 20021, 20074, 20130, 20248, 20305, 20364, 20375, 20391, 20446, 20486, 20556, 200101
	200–50	10140, 10875, 10872, 15519, 16595, 20325
Late Roman	250–300	10939, 15768, 20138
	300–370	10970, 15431, 15602
	350–420	10277, 10425, 12214, 12272, 12589, 15357, 15428

Table 25. Northfleet: early Roman key groups (AD 43–120). Quantification by EVE

Fabric	Vessel class								Total EVE	% EVE
	bowl	cup	dish	flagon	jar	mort.	platter	storage jar		
C Gaulish samian ware	–	–	3	–	–	–	–	–	3	1
Colchester mortaria	–	–	–	–	–	11	–	–	11	3
Fine Greyware	–	–	–	–	–	–	–	–	*	–
Gallic amphora	–	–	–	–	–	–	–	–	*	–
Grog-tempered ware	–	–	–	–	5	–	–	–	5	1
Hadham oxidised ware	–	–	–	–	–	–	–	–	*	–
Mica-dusted ware	7	–	–	–	–	–	–	–	7	2
NGaulish white ware	–	–	–	–	–	–	–	–	*	–
N Kent white-slipped oxidised ware	–	–	–	8	–	–	–	–	8	2
N Kent/S Essex shelly ware	–	–	–	–	54	–	–	9	63	19
Oxidised ware	–	–	–	–	–	–	–	–	*	–
Patchgrove ware	–	–	–	–	5	–	–	–	5	1
Sandy fabrics	–	–	–	–	–	–	–	–	*	–
S Gaulish samian ware	–	4	–	–	–	–	20	–	24	7
Thameside/Upchurch greywares	97	–	–	–	17	–	–	–	114	34
Unassigned colour-coat	–	–	–	–	–	–	–	–	*	–
<i>Verulamium</i> whiteware	–	–	–	100	–	–	–	–	100	29
Total EVE	104	4	3	108	81	11	20	9	340	
% EVE	31	1	1	32	24	3	6	3		

* = present as body or base sherds only

Table 26. Northfleet: middle Roman key groups (AD 120–170). Quantification by EVE

Fabric	Vessel class													Total EVE	% EVE
Alice Holt greyware	-	-	-	-	-	-	4	-	-	-	-	-	-	4	<1
Amphora	-	-	-	-	-	-	-	-	-	-	-	-	-	*	
Black Burnished Ware	-	-	-	-	-	-	-	-	-	-	-	-	-	*	
Black burnished ware category 2	-	-	-	-	159	-	18	-	-	-	-	-	-	177	8
C Gaulish samian ware	-	-	125	41	100	-	-	-	-	-	12	-	3	281	13
Colchester colour-coat	-	-	-	-	-	-	-	-	-	-	-	-	-	*	
Cologne colour-coat	-	-	-	-	-	-	-	-	-	-	-	-	-	*	
Dressel 20 amphora	50	-	-	-	-	-	-	-	-	-	-	-	-	50	2
E Gaulish samian ware	-	-	-	-	14	-	-	-	-	13	-	-	-	27	1
Fine Greyware	-	35	-	-	-	-	48	-	-	-	-	-	-	83	4
Fine sand with shell & mica	-	-	-	-	-	-	-	10	-	-	-	-	-	10	<1
Flint-tempered ware	-	-	-	-	-	-	-	-	2	-	-	-	-	2	<1
Gallic amphora	-	-	-	-	-	-	-	-	-	-	-	-	-	*	
Greyware	-	-	25	-	-	-	-	-	-	-	-	-	-	25	1
Grog-tempered ware	-	-	-	-	-	-	-	-	-	-	-	-	-	*	
Local fine oxidised wares	-	-	-	-	-	-	-	-	-	-	-	-	-	*	
Local white-slipped greyware	-	-	-	-	-	-	-	-	-	-	-	-	-	*	
Mica-dusted ware	-	-	-	-	-	-	5	-	-	-	-	-	-	5	<1
NFSE coarseware	-	-	-	-	-	-	-	-	-	-	-	-	-	*	
NFSE mortaria	-	-	-	-	-	-	-	-	-	-	-	-	-	*	
N Gaulish white ware	-	-	-	-	-	-	-	-	-	-	-	-	-	*	
N Kent white-slipped oxidised ware	-	-	-	-	-	212	-	-	-	-	-	-	-	212	10
N Kent/S Essex shelly ware	-	-	-	-	-	-	5	-	-	-	-	13	-	18	1
Oxidised ware	-	-	-	-	-	-	30	-	-	-	-	-	-	30	1
Oxon colour-coated ware	-	-	-	-	6	-	-	-	-	-	-	-	-	6	<1
Patchgrove ware	-	-	-	-	-	-	12	-	-	-	-	13	-	25	1
S Gaulish samian ware	-	-	-	10	-	-	-	-	-	-	-	-	-	10	<1
Thameside/Upchurch greywares	-	88	177	-	241	-	504	20	-	-	-	-	-	1030	49
<i>Verulamium</i> region grey ware	-	-	-	-	-	-	10	-	-	-	-	-	-	10	<1
<i>Verulamium</i> whiteware	-	-	5	-	-	-	-	-	-	-	-	-	-	5	<1
<i>Verulamium</i> whiteware mortaria	-	-	-	-	-	-	-	-	-	3	-	-	-	3	<1
White-slipped red ware	-	-	-	-	-	-	-	-	-	-	-	-	-	*	
Whiteware	-	-	-	-	-	-	-	-	-	-	-	-	-	100	5
Total EVE	50	123	332	51	520	312	636	30	2	16	12	26	3	2113	
% EVE	2	6	16	2	25	15	30	1	<1	1	1	1	<1		

* = present as body or base sherds only

Table 27. Northfleet: mid-Roman key groups (AD 150–200). Quantification by EVE

Fabric	Vessel class								Total EVE	% EVE
	beaker	bowl	cup	dish	flagon	jar	mort.	storage jar		
Black Burnished Ware	–	–	–	n	–	14	–	–	14	1
Black burnished ware category 2	–	–	–	31	–	–	–	–	31	3
C1 Gaulish Black-Slipped	10	–	–	–	–	–	–	–	10	1
C Gaulish samian ware	–	28	4	42	–	–	–	–	74	6
Colchester mortaria	–	–	–	–	–	–	–	–	*	
Et Gaulish samian ware	–	–	30	–	–	–	–	–	30	3
Fine Greyware	8	10	–	–	–	–	–	–	18	2
Gallic amphora	–	–	–	–	–	–	–	–	*	
Greyware	–	–	–	–	–	–	–	–	*	
Grog-tempered ware	–	–	–	–	–	–	–	–	*	
Local fine oxidised wares	–	21	–	–	–	–	–	–	21	2
Nene Valley colour-coat	–	–	–	–	–	–	–	–	*	
NFSE coarseware	–	–	–	–	–	–	–	–	*	
N Kent white-slipped oxidised ware	–	–	–	–	42	–	–	–	42	4
N Kent/S Essex shelly ware	–	–	–	–	–	–	–	12	12	1
Oxidised ware	50	–	–	133	35	16	–	–	234	20
Patchgrove ware	–	–	–	–	–	–	–	–	*	
Thameside/Upchurch greywares	94	–	–	61	–	524	–	–	679	57
<i>Verulamium</i> whiteware	–	–	–	–	–	–	–	–	*	
<i>Verulamium</i> whiteware mortaria	–	–	–	–	–	–	6	–	6	1
Whiteware	–	–	–	–	18	–	–	–	18	2
Wiggonholt Mortaria	–	–	–	–	–	–	–	–	*	
Total EVE	162	59	34	267	95	554	6	12	1189	
% EVE	14	5	3	22	8	47	1	1		

* = present as body or base sherds only

Table 28. Northfleet: middle Roman key groups (AD 200–250). Quantification by EVE

Fabric	Vessel class			Total EVE	% EVE
	cup	dish	jar		
Black burnished ware category 2	–	21	–	21	12
C Gaulish Black-Slipped	–	–	–	*	
C Gaulish samian ware	–	–	–	*	
Colchester colour-coat	–	–	–	*	
E Gaulish samian ware	10	–	–	10	6
Nene Valley colour-coat	–	–	–	*	
N Kent white-slipped oxidised ware	–	–	–	*	
Oxidised ware	–	–	–	*	
Patchgrove ware	–	–	–	*	
Thameside/Upchurch greywares	–	48	102	150	83
Whiteware	–	–	–	*	
Total EVE	10	69	102	181	
% EVE	6	38	56		

* = present as body or base sherds only

Table 29. Northfleet: late Roman key groups (AD 250-300). Quantification by EVE

Fabric	Vessel class						Total EVE	% EVE
	amphora	beaker	bowl	dish	jar	mort.		
Alice Holt greyware	–	–	–	–	22	–	22	9
Black Burnished Ware	–	–	–	–	–	–	*	
Black burnished ware category 2	–	–	–	36	–	–	36	15
Catalan amphora	10	–	–	–	–	–	10	4
C Gaulish samian ware	–	–	–	7	–	–	7	3
Dressel 20 amphora	–	–	–	–	–	–	*	
E Gaulish samian ware	–	–	–	–	–	–	*	
Hard gritty grog-tempered ware	–	–	–	–	–	–	*	
<i>Moselkeramik</i>	–	–	–	–	–	–	*	
Nene Valley colour-coat	–	–	–	–	–	–	*	
N Kent/S Essex shelly ware	–	–	–	–	–	–	*	
Oxfordshire Parchment ware	–	–	–	–	20	–	20	8
Oxfordshire Whiteware Mortaria	–	–	–	–	–	9	9	4
Oxon colour-coated ware	–	–	6	–	–	–	6	2
Thameside/Upchurch greywares	–	12	–	9	110	–	131	54
Total EVE	10	12	6	52	152	9	241	
% EVE	4	5	2	22	63	4		

* = present as body or base sherds only

Table 30. Northfleet: late Roman key groups (AD 300–370). Quantification by EVE

Fabric	Vessel class							Total EVE	% EVE
	beaker	bowl	cup	dish	jar	misc.	mort.		
Alice Holt greyware	–	–	–	18	20	–	–	38	9
Black Burnished Ware	–	–	–	46	–	–	–	46	11
Black burnished ware category 2	–	–	–	24	–	–	–	24	6
Central Gaulish samian ware	–	–	4	–	–	–	–	4	1
East Gaulish samian ware	–	–	–	–	–	–	–	*	
Fine Greyware	–	–	–	–	20	–	–	20	5
Hard gritty grog-tempered ware	–	–	–	–	5	–	–	5	1
Highgate C ware	–	–	–	–	–	–	–	*	
Nene Valley whiteware mortaria	–	–	–	–	–	–	–	*	
Oxfordshire Whiteware Mortaria	–	–	–	–	–	–	10	10	2
Oxidised ware	–	–	–	–	–	–	–	*	
Oxon colour-coated ware	–	17	–	–	–	–	–	17	4
Patchgrove ware	–	–	–	–	–	–	–	*	
South Gaulish samian ware	–	–	–	–	–	–	–	*	
Thameside/Upchurch greywares	10	–	–	31	205	–	–	246	57
Tilford/Overwey ware	–	–	–	–	–	18	–	18	4
Total EVE	10	17	4	119	250	18	10	428	
% EVE	2	4	1	28	58	4	2		

* = present as body or base sherds only

Table 31. Northfleet: late Roman key groups (AD 350–420). Quantification by EVE

Fabric	Vessel class						Total EVE	% EVE
	amphora	beaker	bowl	dish	jar	mort.		
Alice Holt greyware	–	–	–	19	14	–	33	6
Black Burnished Ware	–	–	–	–	–	–	*	
Black burnished ware category 2	–	–	–	34	–	–	34	6
C Gaulish samian ware	–	–	–	–	–	–	*	
Fine Greyware	–	–	–	–	–	–	*	
Gallic amphora	–	–	–	–	–	–	*	
Greyware	–	–	–	–	–	–	*	
Hadham grey ware	–	–	–	–	–	–	*	
Hadham oxidised ware	–	–	–	6	11	–	17	3
Hard gritty grog-tempered ware	–	–	11	7	88	–	106	20
Nene Valley colour-coat	–	–	–	–	–	–	*	
N African amphora fabric	2	–	–	–	–	–	2	<1
Oxfordshire Parchment ware	–	–	–	–	–	–	*	
Oxfordshire white-slipped red ware mortaria	–	–	–	–	–	10	10	2
Oxfordshire Whiteware Mortaria	–	–	–	–	–	20	20	4
Oxidised ware	–	–	–	–	–	–	*	
Oxon colour-coated ware	–	–	16	11	–	–	27	5
Patchgrove ware	–	–	–	–	–	–	*	
Shell-tempered ware (late)	–	–	–	7	–	–	7	1
Thameside/Upchurch greywares	–	13	–	23	225	–	261	49
Tilford/Overwey ware	–	–	–	–	21	–	21	4
Unassigned mortaria	–	–	–	–	–	–	*	
Total EVE	2	13	27	107	359	30	538	
% EVE	<1	2	5	20	67	6		

* = present as body or base sherds only

Table 34. Northfleet: mean EVE or completeness by feature category

Feature	Completeness
West range	25.2
Quay	24
Well/cistern	17.4
Ditch	17
Bathhouse	15.6
Quarry	14.2
Western Roman complex	14.1
East range	9.9
Malting-oven	9.8
Limekiln	6.8

(completeness = EVE/vessel count)

Table 35. Northfleet: distribution of vessel class by feature type. The figures given are percentages across rows

Feature type	Vessel class											Total EVE	% EVE
	amphora	beaker	bowl	cup	dish	flagon	jar	lid	mortaria	platter	storage jar		
Bathhouse	–	2	2	2	34	–	55	2	4	–	–	596	7
Ditches	11	10	10	2	16	4	43	1	2	1	0	1820	22
East range	–	–	14	–	27	–	59	–	–	–	–	119	1
Limekiln	–	44	15	–	25	–	8	–	8	–	–	61	1
Malting-oven	–	18	–	–	36	–	37	–	9	–	–	78	1
Quarries	–	4	4	3	21	–	61	4	2	–	–	384	5
Quay	13	2	8	–	28	7	40	–	3	–	–	769	9
Wells/cisterns	2	1	10	2	21	31	29	2	2	1	–	1185	14
West range	–	1	2	4	16	10	64	–	3	–	–	981	12
Western Roman Complex	–	6	6	3	23	1	57	0	2	–	2	2216	27
Total EVE	320	414	583	169	1793	589	3990	71	200	32	48	8209	

Chapter 2. Coin Tables

Table 38. Coins from the Springhead Roadside Settlement by property/block

No of coins	Block 1	Block 2	Block 3	Block 4	Block 3/4/5	Block 4/5	Block 5	Block 6	Block 10	Block 11	Block 11/12	Block 12	Road	All
Iron Age phase 6	-	-	1	-	-	-	-	-	-	-	-	-	-	1
Iron Age phase 7	-	-	-	-	-	-	1	-	-	-	-	-	-	1
Iron Age phase 8.1	-	-	1	-	-	-	-	-	-	-	-	-	-	1
Iron Age uncertain	-	-	-	-	-	-	-	-	-	1	-	-	-	1
1. to AD 41	-	1	1	-	-	-	-	-	-	-	-	1	-	3
2. AD 41–54	1	-	12	-	1	-	2	-	-	2	2	2	-	22
3. AD 54–68	-	-	-	-	2	-	-	-	-	2	-	-	-	4
4. AD 69–96	-	1	9	2	5	-	1	-	1	1	6	1	1	28
5. AD 96–117	-	-	4	1	-	-	-	-	-	1	1	-	-	7
6. AD 117–138	-	1	9	1	-	-	-	-	2	-	-	3	-	16
7. AD 138–161	-	1	6	1	3	1	-	-	-	-	1	1	-	14
8. AD 161–180	-	3	4	-	1	-	-	-	-	-	-	1	-	9
9. AD 180–192	-	2	-	-	-	-	-	-	-	-	-	-	-	2
10. AD 192–222	-	1	1	-	3	-	-	-	-	-	-	2	1	8
11. AD 222–235	-	1	-	-	2	-	-	-	-	-	-	-	-	3
12. AD 235–260	-	1	4	-	2	-	-	-	-	-	-	-	-	7
13. AD 260–275	-	31	56	8	19	1	2	1	-	1	1	-	4	124
14. AD 275–296	-	35	79	4	23	-	7	-	-	2	1	1	1	154
15. AD 296–317	-	1	4	1	-	-	-	-	-	-	-	-	1	7
16. AD 317–330	-	2	8	1	2	-	-	-	-	-	2	-	-	15
17. AD 330–348	-	29	74	5	14	1	4	-	-	4	3	6	6	146
18. AD 348–364	-	7	17	1	1	-	2	-	-	1	-	-	3	32
19. AD 364–378	-	8	52	2	8	-	-	-	-	-	1	-	3	74
20. AD 378–388	-	-	3	-	-	-	-	-	-	-	-	1	2	6
21. AD 388–402	-	-	13	1	-	-	-	-	-	-	-	-	-	14
Total	1	125	357	28	86	3	19	1	3	15	18	19	22	699

Where coins cannot be assigned to a specific property, but are assigned to more than one block – e.g. Block 3/4/5 – they have been recovered from spreads or deposits (including topsoil and subsoil deposits) covering more than one property

Table 40. Claudian coins from the Springhead Sanctuary (ARC SPH00) and Springhead Roadside settlement (ARC SHN02/W51724) sites

RIC No	Springhead roadside settlement			Springhead Sanctuary			Total
	'Official'	?Copy	Copy	'Official'	?Copy	Copy	
22	1	-	-	-	-	-	1
94	2	-	-	3	-	-	5
95	1	1	-	-	-	-	2
97	1	-	-	-	-	-	1
100	4	6	5	3	8	10	36
Total	9	7	5	6	8	10	45
	21 coins			24 coins			45

Table 42. Coins from the Springhead Sanctuary by area

No of coins	Block XX	Block XX/XXI	Block XX/XXII	Block XXI	Block XXII	Block XXIII	Block XXIV	Total
Potin: FL I		–	–	–	–	–	1	1
Potin: FL II	2	–	–	–	–	–	–	2
Iron Age phase 6	7	–	1	12	8	5	–	33
Iron Age phase 7	12	–	1	6	7	6	2	34
Iron Age phase 8.1	3	–	–	4	1	2	–	10
Iron Age phase 8.2	1	–	–	1	–	–	–	2
Gaulish	–	–	–	–	2	–	–	2
Siculo-Punic	–	–	–	–	–	1	–	1
Iron Age uncertain	1	–	–	1	–	1	–	3
1. to AD 41	2	–	–	5	2	1	–	10
2. AD 41–54	6	–	–	16	–	1	–	23
3. AD 54–68	2	–	–	3	1	3	–	9
4. AD 69–96	8	1	–	11	6	7	–	33
5. AD 96–117	1	–	–	4	–	6	–	11
6. AD 117–138	5	–	–	–	2	1	–	8
7. AD 138–161	1	–	–	5	3	1	–	10
8. AD 161–180	–	–	–	–	–	–	2	2
9. AD 180–192	–	–	–	1	–	–	–	1
10. AD 192–222	4	–	–	2	–	–	–	6
11. AD 222–235	–	–	–	3	2	–	1	6
12. AD 235–260	2	–	–	1	2	1	–	6
13. AD 260–275	5	–	–	12	1	2	4	24
14. AD 275–296	4	–	–	19	6	–	4	33
15. AD 296–317	–	–	–	1	1	–	4	6
16. AD 317–330	2	–	–	4	3	1	1	11
17. AD 330–348	12	–	–	39	4	3	22	80
18. AD 348–364	3	–	–	3	2	2	9	19
19. AD 364–378	5	–	–	32	11	3	2	53
20. AD 378–388	–	–	–	1	–	–	–	1
21. AD 388–402	2	–	–	4	–	–	–	6
Total	90	1	2	190	64	49	52	444

Table 43. Comparison of coins lost per year at Springhead spring, Bath and Coventina's Well (after Walker 1988, 283)

	Springhead (spring area)	Bath	Coventina's Well
To AD 260	0.37*	38.22	51.65
260–294	0.911764706	47.55	9.6
294–360	0.727272727	36.91	7.56
364–388	1.375	11.79	5.58
388–402	0.285714286	1.9	0

* Rises to 0.48 coins per year when IA coins included.

Table 44. Roman denominations recovered from the excavations

No of coins	Denarius	Sestertius	Dupondius	As	As/ Dupondius	Quadrans	Total
Springhead roadside settlement	24	23	14	51	42	1	155
Springhead Sanctuary	32	23	18	64	66	0	203
<i>Spring only*</i>	<i>18</i>	<i>14</i>	<i>14</i>	<i>35</i>	<i>43</i>	<i>0</i>	<i>124</i>
Springhead roadside settlement	15.48	14.84	9.03	32.90	27.10	0.65	100
Springhead Sanctuary	15.76	11.33	8.87	31.53	32.51	0	100
<i>Spring only*</i>	<i>14.52</i>	<i>11.29</i>	<i>11.29</i>	<i>28.23</i>	<i>34.68</i>	<i>0</i>	<i>100</i>

* The spring coins have also been isolated from the remainder of the Sanctuary coins to allow direct comparisons to be drawn with the roadside settlement

Table 45. Other Iron Age coins certainly from Springhead

CCI Ref	Metal/reign	Catalogue Reference	Phase	Notes	Source
CCI 61.0652	AE Kentish Uninscribed Series	VA 0154-1	6	Surface find, before 1890	Origins, p 192, corrected Supplement I, p 38
CCI 61.0653	as above	VA 0154-1	6	As above	Origins, p 192, corrected Supplement I, p 38
CCI 67.0422	as above	VA 0154-1	6	Excav Temple VI, 1966	Earlier excavations
CCI 86.0235	as above	VA 0154-1	6	On Watling Street (prob. m/d find, c 1986)	Finney Loan (FL308) to Birmingham Museum
CCI - (DJH records)	as above	VA 0154-1	6	SW of A2260/B262 junction; TQ 618720	Private m/d collection
CCI 67.0425	as above	VA 0154-3	6	Excav Building B.10 (unstrat, 1964)	Earlier excavations
CCI 69.0582	as above	VA 0154-3	6	Surface find, 19th century	British Museum (BMC iii, 2484)
CCI 05.0916	as above	VA 0154-3	6	Spoil from excav drainage ditch S side of A2; TQ 618724 (July 2004)	Private m/d collection
CCI - (DJH records)	as above	VA 0154-7 (Evans G14)	6	19th century find	Origins, 192
CCI 92.0607	as above	As CCI 03.0078	6	SW of A2260/B262 junction; TQ 61857207	Private m/d collection
CCI 94.0249	AV/AE South Thames Uninscribed	VA 1507	6	SW of A2260/B262 junction; TQ 618720	Private m/d collection
CCI 94.1078	AR Dubnovellaunos (Kent)	VA 0178	7	Prob m/d find, c 1980	Private collection
CCI - (DJH records)	AE Dubnovellaunos (Kent)	VA 0180	7	SW of A2260/B262 junction; TQ 618720	Private m/d collection
CCI 95.0069	AE Sa	VA 0187	7	SW of A2260/B262 junction; TQ 61897210	Private m/d collection
CCI 94.1079	AR 1/2 Dubnovellaunos (Essex)	As CCI 90.0785	7	Prob m/d find, c1980	Private collection
CCI 68.1113	AE Dubnovellaunos (Essex)	VA 1665	7	Surface find, 19th century	British Museum (BMC iii, 2464)
CCI 67.0107	AE Andoco	VA 1873	7	Found before 1864	Origins, p.222, corrected Supplement I, p 64
CCI 67.0163	AV/AE Cunobelin	VA 1925-2	8.1	19th century find	Origins, p 233
CCI - (DJH records)	AE Cunobelin	VA 1973-1	8.1	SW of A2260/B262 junction; TQ 618720	Private m/d collection

Chapter 6 Ceramic Building Material Tables

Table 61. Springhead: quantification of fired clay and briquetage fabrics.

Fabrics	No	Nos %	Wt (g)	Wt %
A & Ac	6114	<i>59.69</i>	141870	<i>48.99</i>
A2 & A2c	3457	<i>33.75</i>	133360	<i>46.05</i>
A3	61	<i>0.60</i>	873	<i>0.30</i>
C	16	<i>0.16</i>	1060	<i>0.37</i>
E	186	<i>1.82</i>	6536	<i>2.26</i>
X1	370	<i>3.61</i>	5415	<i>1.87</i>
X2	32	<i>0.31</i>	424	<i>0.15</i>
X3	1	<i>0.01</i>	10	<i>0.00</i>
X4	6	<i>0.06</i>	35	<i>0.01</i>

Table 62. Quantification of fired clay forms by phase from the Springhead Sanctuary Site (ARC SPH00)

Phase Type	BA		LIA		E RB		M RB		Late/unspec Roman		A-S		Modern/unstrat		Total		Total	
	No	Wt	No	Wt	No	Wt	No	Wt	No	Wt	No	Wt	No	Wt	No	Wt	MFW	% Wt
Wall daub	-	-	-	-	878	11995	1266	78737	-	-	99	1809	18	530	2261	93071	41.16	41.14
Wall render	-	-	-	-	97	4452	432	23907	3	118	-	-	-	-	532	28477	53.53	12.59
Utilised	2	10	55	434	757	10033	618	13882	34	505	11	94	-	-	1477	24958	16.90	11.03
Unidentified	2	5	27	359	236	4563	137	1884	14	119	9	88	13	52	438	7070	16.14	3.13
Hearth	-	-	27	261	47	1675	-	-	-	-	-	-	-	-	74	1936	26.16	0.86
Oven/kiln/CD structure	-	-	93	1516	69	1734	296	11894	-	-	73	38642	-	-	531	53786	101.29	23.78
Oven wall	-	-	190	2161	6	170	14	300	-	-	-	-	-	-	210	2631		1.16
Oven furniture: plate	-	-	-	-	24	1047	2	320	-	-	-	-	-	-	26	1367	52.58	0.60
Oven furniture: pedestal	-	-	3	175	68	3704	-	-	-	-	-	-	-	-	71	3879	54.63	1.71
Oven furniture: triangular brick	-	-	5	701	18	506	-	-	-	-	-	-	-	-	23	1207	52.48	0.53
Oven furniture: misc	-	-	-	-	90	847	2	71	-	-	7	215	-	-	99	1133	11.44	0.50
Furnace	-	-	2	75	105	1637	58	1185	-	-	4	35	12	145	181	3077	17.00	1.36
Furnace accessories	-	-	-	-	2	11	2	37	-	-	-	-	-	-	4	48	12.00	0.02
Briquetage plate	-	-	-	-	12	1611	2	131	-	-	-	-	-	-	14	1742	124.43	0.77
Briquetage vessel	-	-	31	235	94	1122	59	482	-	-	1	-	-	-	185	1839	9.94	0.81
Total	4	15	433	5917	2503	45107	2888	132830	51	-	204	40883	43	727	6126	226221	36.93	
MFW by phase		3.75		13.7		18		46		14.5		200		17				

MFW = mean fragment weight (total weight/total no)

Table 63. Quantification of fired clay forms by phase from the Springhead Roadside Settlement (ARC SHN02)

Phase Type	2: Late Iron Age		3.1 Early Roman		3.2: Middle Roman		3.3: Late Roman		5: Medieval		Unphased		Total		Total	
	No	Wt	No	Wt	No	Wt	No	Wt	No	Wt	No	Wt	No	Wt	MFW	% Wt
Wall daub	-	-	106	2467	29	773	-	-	-	-	-	-	135	3240	24.00	5.04
Wall mortar	-	-	-	-	37	278	-	-	-	-	-	-	37	278	7.51	0.43
Utilised	33	629	1301	13740	975	10908	8	293	14	82	13	276	2344	25928	11.06	40.33
Unidentified	-	-	382	2200	22	294	5	153	-	-	2	7	411	2654	6.46	4.13
Hearth	-	-	115	1397	210	7880	-	-	-	-	-	-	325	9277	28.54	14.43
Oven str	-	-	389	8695	47	2087	-	-	-	-	-	-	436	10782	24.73	16.77
Oven wall	-	-	24	4990	-	-	-	-	-	-	-	-	24	4990	207.92	7.76
Oven furniture: plate	-	-	1	150	24	805	-	-	-	-	-	-	25	955	38.20	1.49
Oven furniture: pedestal	-	-	-	-	-	-	1	81	-	-	-	-	1	81	81.00	0.13
Oven furniture: firebar	-	-	2	40	8	539	-	-	-	-	-	-	10	579	57.90	0.90
Oven furniture: platelet	-	-	-	-	2	70	-	-	-	-	-	-	2	70	35.00	0.11
Furnace	-	-	286	1711	13	260	-	-	-	-	-	-	299	1971	6.59	3.07
Crucible	-	-	32	827	-	-	-	-	-	-	-	-	32	827	25.84	1.29
Briquetage vessel	-	-	14	108	77	390	-	-	-	-	1	5	92	503	5.47	0.78
Briquetage plate	-	-	103	685	38	1465	-	-	-	-	-	-	141	2150	15.25	3.34
Total	33	629	2755	37010	1482	25749	14	527	14	82	16	288	4314	64285	14.90	
MFW		19.06		13.43		17.37		37.64		5.86		18.00		14.90		

MFW = mean fragment weight (total weight/total no)

Table 66. Northfleet: summary of ceramic building material fabric groups

Fabric Group	Provisional Group	Fabrics	MoL no	Key characteristics
A	6	3 & 14 12 13 Y	3024 2457 3074	Occasional calcareous clays, chalk or shell. Distinctive cream colour
B	2	5, 7, 10		Fine sandy fabrics; ferruginous inclusions
C	1	2		Medium-coarse sandy fabric; chalk, ferruginous & other stone grits
D	3	1, 8, 9, 15, 18		Fine sandy clay; few inclusions, occasional clay pellets
E	5	4 (Z), 16, 19, 20, 21		Sandy clays, with coarse clay pellets and strongly laminated
F	4	6	3050	Sandy laminated clay; red iron oxide grits, coarse clay pellets
G	7	22, X, Xvar		Coarse sandy clays
Eccles	1	17	2454	pale pink clay matrix; cream buff surface containing medium quartz sand

Table 67. Northfleet: dimensions of complete and near-complete tegulae (mm)

Context	Length	Breadth upper	Breadth lower	Thickness	Group (Fabric)	
U/S	476	320	280/308	19–22	C (2)	
10003	453	>265		22	C (2)	
10964	420	344	~	24	C (2) (nr 10)	
15216	135+	~	270	17	C (2)	
15216	250+	>289	275	21	C (2)	
15217	282+	328	<306	15–20	C (2)	
15217	>320	>240		18	C (2)	L is near complete
15275	150+	328	~	14–23	C (2)	
15372	468	>180		19	C (2)	
15372	240+	320	<305	20	C (2)	
15372	350+	300	~	20	C (2)	
15372	172+	335	~	25	C (2)	
15461	220+	330	~	20	C (2)	
16597	250+	~	300–308	23	C (2)	
10174	?		305–310	10–22	C (2)	
19036	205+		275	18–24	B (10?)	
19036	265+	c300 (est.)	~	22–25	B (15)	
15219	~	307	~	21	~	
15461	256+	~	273	28	A (12)	
15216	370	291	(est 270)	24	A (14 MoL 3074)	
15216	370	(est 290)	278–283	20	A (13 MoL 3074)	
15216	368	~	278	21	A (13 MoL 3074)	
15275	368	290	265	20–26	A (13 MoL 3074)	
15372	368	240+		20–29	A (13 MoL 3074)	
16704	340+ (est c360)	292	(est c 270)	24	A (13 MoL 3074)	L nr complete (based on remains cutaway)

Table 68. Northfleet: dimensions of *imbrices* (mm)

Context	Length	Breadth upper	Breadth lower	Height	Thickness	Fabric	Comments
16367	280+ 170	155	188	55-73	20	Eccles (17)	2 ends recorded separately, prob 1 tile
10419	425	125	190	75-95	22	B	
200020	>290	122	~	67	15	B	
200038	>245	135	~	53-63		B	
200208	428	140	200	65-88	17	B	
200209	425	~	~	~	~	B	
U/S	>425	135	180	80-88	16-17	C	
16704	>205	146	~	~	16	C	
200083	>190	150	~	60->73	13	C	
15216	430	150	175	75-90	15-17	C	
200210	412	130	180	75-85	45	C	
15696	>263	~	165	90	~	C	ridge?

Table 69. Northfleet: comparison of *imbrex* size by fabric group (mm)

Fabric group	% wt	Thickness	Height	Width	Length
A	7.4	11-22	97	~	318
B	29.3	10-25	53-95	122-200	425-428
C	56.5	10-24	55-90	130-180	412-430
D	4.6	8-20	90-110	c 160	>240
E & F	1.1	14-25	77-110	~	~
G	0.5	13-18	70	c 160	~
Eccles	0.6	20	55-73	155-188	?450

Table 70. Northfleet: dimensions of flue tiles (*tubuli*) in relation to fabric groups (mm)

Fabric Gp	Height	Breadth	Depth	Thickness	% Wt
B	>132->200	125, 125, 135-140, >218		13-25	28%
C	>115->280 estimated 280-300	120, 140, 145, 147, 150, 155, 190	104, 110	15-22	46%
D	133, 150, >170, >300	110, 128, 165, 173	107; est: 122	11-28	23%
E	>115	~	~	15-22	3%

Table 71. Northfleet: dimensions of voussoir tiles (*tubuli cuneati*) in relation to fabric groups (mm)

Fabric Gp	Height	Breadth	Thickness	%Wt
B	>160,	<134->140;	18;	42%
	>197	146-150	16	
	167	0	20	
C	0	150	15	42%
	>140;	227;	20,	
	162	120	25	
D	>126	202-204;		17%
	0	153-165		

Table 72. Northfleet: dimensions of brick types in relation to fabric group (mm)

Brick type	Length	Breadth	Thickness	Fabric Gp	Total no
<i>Bessalis</i>	187-197	190-194	27-37	B (10)	4
	191-215	208-211	28-37	C (2)	5
	204	195	28	D	1
	172	90+	35	E (6)	1
<i>Pedalis</i> (or <i>lydion</i>)	280-308	275	33-48	B (10)	4
	285-325	>205->299	32-40	C (2)	7
	302	~	34-45	D	1
<i>Lydion</i>	310-320	>255	38	E (6)	2
	425-430	290	40-43	B (10)	2
	420, 460	289, 320	32-36, 38-45	C (2)	2
	345-447	310-315	35-45	E (6)	4
<i>Bipedalis</i> <i>sesquipedalis</i>	>310	>339	45-50	C (2)	1
Small brick?	152	>87	50-56	D (1)	1

Table 73. Northfleet: quantification of ceramic building material signature mark types in relation to form

Forms	<i>Tegulae</i>	Brick	Total	Total %
Type 1	86	9	94	78
Type 2	6	0	6	5
Type 3	1	1	2	1.7
Type 4	3	1	4	3.3
Type 5	7	2	9	7.5
Type 6	1	0	1	0.8
Type 7	2	3	5	4

Table 74. Northfleet: quantification of ceramic building material tally marks in relation to form and fabric

Tally type	Fab A		Fab B		Fab C (2)			Fab D		Fab F (3050)		Total
	<i>Tegula</i>	<i>Tegula</i>	<i>Brick</i>	<i>Tegula</i>	<i>Imbrex</i>	<i>Brick</i>	<i>Tegula</i>	<i>Brick</i>	<i>Brick</i>	<i>Tegula</i>		
1	2	1	–	?	–	–	–	–	–	–	3	
1a	–	1	–	–	–	–	–	–	–	–	1	
1b	–	1	–	4	–	–	–	–	–	–	5	
1c	–	1	–	1	–	–	–	–	–	–	2	
2	–	1	–	5	–	–	–	–	–	–	6	
3	–	–	–	2	–	–	–	–	–	–	2	
4	–	–	–	–	–	1	–	–	–	–	1	
5	–	–	–	–	–	–	–	–	–	–	0	
6	–	–	–	3	–	–	–	–	–	1	4	
6a	–	–	–	2	–	–	–	–	–	1	3	
6b	–	–	–	1	–	–	–	–	–	1	2	
6c	–	–	1	–	–	–	1	–	–	1	3	
7	–	–	1	1	–	–	–	–	–	–	2	
8	–	–	–	2	–	–	–	–	–	–	0	
9	–	–	–	12	–	–	1	1	2	–	18	
10	–	–	–	1	–	–	–	–	–	–	1	
11	–	–	–	1	–	–	–	–	–	–	1	
S1	–	2	–	3	–	–	–	–	–	1	6	
S2	–	–	–	19	1	1	1	–	–	–	22	
S2a	–	–	–	1	–	–	–	–	1	–	2	
S2b	–	–	–	6	–	–	–	–	–	1	7	
S3a	–	–	–	5	–	1	–	–	–	2	8	
S3b	–	–	–	1	–	–	–	–	–	–	1	
S4	–	–	–	1	–	–	–	–	–	–	1	
S?	–	–	–	1	–	–	–	–	–	–	1	
Unid	–	–	–	1	–	–	–	–	1	–	2	
Total	2	7	2	73	1	3	3	3	3	10	104	

Table 75. Northfleet: occurrences of combing patterns on flue and voussoir tiles in relation to fabric

Combing type	Fab A	Fab B	Fab C	Fab D	Fab E	Total
1	–	10	5	7	–	22
1a	–	7	9	4	1	21
1b	–	–	2	1	–	3
2	–	4	1	7	–	12
3	–	3	1	4	–	8
3a	–	13	6	7	1	27
3b	–	2	1	1	–	4
3c	–	1	–	2	–	3
3d	–	–	1	–	–	1
4	1	9	35	10	–	55
5a	–	4	1	2	–	7
5b	–	1	–	–	–	1
6	–	–	2	1	1	4
7	–	1	–	1	–	2
8	–	1	–	–	–	1
9	–	–	3	1	–	4
10	–	–	1	1	–	3
11	–	–	2	–	–	2
12	–	1	1	–	–	2
12a	–	2	–	–	–	2
18	–	1	–	1	–	2
19	–	–	1	–	–	1

Chapter 11 Roman Glass Tables

Table 82. Springhead Roadside Settlement glass: quantification of /glass types by phase (sherd count)

Phase	Roman											Modern		Total	
	cup/ beaker	cup/ bowl	bowl	jar	conical flask	flask/ jug	jug/ bottle	bottle	body sherds	window	undiag	beads	float glass		vessel
Early Roman	2	–	1	1	3	4	–	1	19	3	1	4	3	2	44
Middle Roman	3	1	3	2	–	6	2	11	29	4	22	2	11	1	97
Late Roman	–	1	–	–	–	–	–	3	5	2	3	2	1	–	17
Modern	–	–	–	–	–	–	–	–	2	–	–	–	7	9	18
unphased	–	–	–	–	–	–	–	–	–	1	1	–	–	–	2
Total	5	2	4	3	3	10	2	15	55	10	27	8	22	12	178

Table 83. Springhead Roadside settlement glass: summary quantification by property, phase and glass type

Property	Phase	Vessel	Window	Window (float)	Bead	Undiag	Total
2	Early Roman	1	–	–	–	–	1
	Middle Roman	12	–	2	–	–	14
	Late Roman	8	–	1	1	3	13
2 Sub-total		21	–	3	1	3	28
3	Early Roman	6	1	2	2	–	11
	Middle Roman	10	2	–	–	–	12
	Late Roman	–	2	–	–	–	2
	unphased	–	–	–	–	1	1
3 Sub-total		16	5	2	2	1	26
4	Early Roman	11	1	–	–	–	12
	Middle Roman	11	1	–	–	22	34
4 Sub-total		22	2	–	–	22	46
5	Early Roman	1	–	–	–	–	1
	Middle Roman	1	–	–	–	–	1
5 Sub-total		2	–	–	–	–	2
6	Middle Roman	1	–	–	–	–	1
6 Sub-total		1	–	–	–	–	1
9	Early Roman	1	–	–	–	–	1
9 Sub-total		1	–	–	–	–	1
10	Early Roman	1	–	–	–	–	1
	Middle Roman	4	–	9	–	–	13
	Late Roman	1	–	–	–	–	1
	Modern	11	–	7	–	–	18
10 Sub-total		17	–	16	–	–	33
11	Early Roman	10	1	–	2	1	14
	Middle Roman	6	–	–	2	–	8
11 Sub-total		16	1	–	4	1	22
12	Early Roman	2	–	1	–	–	3
	Middle Roman	13	1	–	–	–	14
	Late Roman	–	–	–	1	–	1
12 Sub-total		15	1	1	1	–	18
Unidentified	n/a	–	1	–	–	–	1
Sub-total		–	1	–	–	–	1
Type total		111	10	22	8	27	178

Table 85. Northfleet: summary of occurrence of glass vessel types by phase (fragment count) for the Roman period

Phase	Beaker	Bowl	Bowl/ beaker*	Beaker or flask	Jug/ flask	Bottle/ flask	Bottle	Globular vessel	Uncertain	Screw top jar*	Total
Early Roman	–	–	–	–	2	–	–	–	–	–	2
Middle Roman	–	–	11	–	–	–	8	–	3	–	22
Late Roman	2	1	7	1	–	1	2	10***	6	1	31
Roman	–	–	–	–	–	–	1	–	–	–	1
Total	2	1	18	1	2	1	11	10	9	1	56

*Sherds too small to be identified confidently as either beakers/cups or bowls; ** modern jar, clearly intrusive; *** almost certainly all sherds from one vessel (Cat. No 16)

Table 86. Northfleet: summary of occurrence by phase of colours in vessel glass

Phase	Pale blue	Blue green	Pale green	Colour- less	Colourless/ white	Semi-opaque/ colourless	White semi- opaque	Olive green	Total
Early Roman	2	–	–	–	–	–	–	–	2
Middle Roman	–	13	–	9	–	–	–	–	22
Late Roman	–	2	8	13	–	6	2	–	31
Roman	–	–	–	–	–	–	–	1	1
Unstratified/ unphased	–	1	–	–	1	–	–	–	2
Totals	2	16	8	22	1	6	2	1	58

Table 87. Northfleet: summary quantification of all window glass from Roman contexts by context and colour (fragment count)

Phase	Context	Blue green	Colourless	Pale green	Greenish yellow	Pale blue	Total
Early Roman	20469	1	–	–	–	–	1
Early/Middle Roman	10844	–	–	1	–	–	1
Middle Roman	10694	1	–	–	–	–	1
	10696	2	–	–	–	–	2
	10794	1	–	–	–	–	1
	15268	1	–	–	–	–	1
	15275	2	–	–	–	–	2
	15284	1	–	–	–	–	1
	15451	6	–	–	–	–	6
	15455	–	–	1	–	–	1
	15614	–	–	–	–	1	1
	15657	–	1	–	–	–	1
	16217	1	–	–	–	–	1
	16479	–	1	–	–	–	1
	20111	–	–	–	1	–	1
	20405	1	–	–	–	–	1
Middle Roman sub-total		16	2	1	1	1	21
Late Roman	10042	1	–	–	–	–	1
	10190	–	–	–	–	1	1
	10287	–	–	2	–	–	2
	10562	–	1	–	–	–	1
	12618	2	–	–	–	–	2
	15372	–	–	2	–	–	2
	15878	1	–	–	–	–	1
Late Roman sub-total		4	1	4	–	1	10
Total		21	3	6	1	2	33

Table 88. Northfleet: summary of thick matt/glossy window glass from middle and late Roman contexts

Sub-group	Context	Phase	Fragments	Colour
10963	10844	early/middle Roman	1	pale green
		sub-total	1	
	10696	middle Roman	2	blue green
10330	10794		1	pale blue green
10977	15275		1	blue green
10977	15275		1	pale blue green
15577	15284		1	blue green
15790	15451		6	pale blue green
20786	20405		1	pale blue green
20773	20111		1	greenish yellow
		sub-total	14	
	10042	late Roman	1	pale blue green
16698	15878		1	blue green
16754	15372		2	pale green
		sub-total	4	