SUPPLEMENT

CONTENTS

S3 'Welcome to *Pontibus* … gateway to the west'
JACQUELINE I MCKINLEY

Table 1 Finds totals by material type
Table 2 Total number and weight (g) of sherds by period and Area
Table 3 Fabric groups by period
Table 4 Fabric groups by Area
Table 5 Ceramic building material: dated forms by period
Table 6 Ceramic building material: dated forms by Area
Table 7 Summary of results from human bone analysis
Table 8 Waterlogged wood and charcoal; number of fragments identified
Table 9 Charred plant remains: crops
Table 10 Charred plant remains; weeds
Table 11 Species identifications from waterlogged samples
Table 12 Mineralized plant remains
Table 13 Mollusc data
Table 14 Summary of animal bone species by Area and period (excluding sieve samples)

S33 Two centuries of rubbish: excavations at an 18th and 19th century site at 12–18 Albert Embankment, Lambeth
KIERON TYLER

Table 1 Details of cesspits in period 5
Table 2 The composition of the ceramics in the Open Area 3 dump in period 3
Table 3 Quantification and dating of clay tobacco pipe by feature

S37 Investigation of a Bronze Age mound on Thursley Common
DAVID GRAHAM, AUDREY GRAHAM and PATRICIA WILTSHIRE

Table 1 Stratigraphic descriptions and percentage values for all minor taxa
Table 2 Macrobotanical and other remains

S39 The archaeology of industrial extraction from Banstead and Walton Heaths
COLIN BAGNALL

Table 1 Map details, location, probable origin and present condition of pits on Banstead and Walton Heaths

S43 Prehistoric, Roman and post-medieval settlement at Glyn House, Ewell

DAN STANSBIE and DAVID SCORE

Table 1 Struck flint
Table 2 Flint by type from features
Table 3 Quantified summary of Roman pottery
Table 4 Condition of the animal remains
Table 5 Total number of bones and teeth identified to species and date
Table 6 Quantity and distribution of animal bones from the Roman period
Table 7 Minimum number of individuals
Table 8 Age at death using tooth eruption and wear stages for cattle
Table 9 Withers heights of cattle
Table 10 Tooth eruption and wear stages of sheep/goat
Table 11 Distribution of post-medieval animal bone
Table 12 Results of the charred plant analysis

‘Welcome to *Pontibus* … gateway to the west’

JACQUELINE I MCKINLEY

TABLE 1 Finds totals by material type

	Area 1		Area 2		Area 3		Area 4		Area 5		unstrat		Total	
Find type	no	wt	no	wt	no	wt	no	wt	no	wt	no	wt	no	wt
Pottery	78	1704	11,473	194,664	1755	29,234	2216	47,302	2266	46,135	–	–	17,788	319,039
Prehistoric	57	1486	28	292	11	88	6	44	3	22	–	–	105	1932
Romano-British	11	88	10,171	169,133	1635	25,718	2171	46,335	2234	45,121	–	–	16,222	286,395
Medieval	10	130	855	10,542	92	2053	4	41	21	591	–	–	982	13357
Post-medieval	–	–	419	14,697	17	1375	35	882	8	401	–	–	479	17355
CBM (R-B)	26	2763	3317	309,024	1205	124,040	1636	221,273	656	78,020	–	–	6840	735,120
R-B roof	1	133	316	57,273	240	30,379	406	64,113	108	15,560	–	–	1071	167,458
R-B flue	–	–	25	1811	5	461	13	1370	8	1247	–	–	51	4889
R-B brick	–	–	422	99,261	134	34,076	256	75,419	158	27,871	–	–	970	236,627
R-B misc	9	446	1579	79,893	762	49,195	746	57,535	303	22,667	–	–	3399	209,736
Med/post-med	16	2184	975	70,786	64	9929	215	22,836	79	10,675	–	–	1349	116,410
Opus signinum	–	–	16	431	1	92	21	643	16	1406	–	–	54	2572
Wall plaster	–	–	44	1770	6	44	238	16,378	1	6	–	–	289	18,198
Worked stone	–	–	35	14,331	7	4333	851	6811	3	1334	–	–	896	26,809
Objects	–	–	28	13,277	6	4317	4	3263	1	1311	–	–	39	22,168
Building material	–	–	7	1054	1	16	847	3548	2	23	–	–	857	4641
Worked flint	32	353	57	830	8	2189	49	624	19	118	2	16	167	4130
Burnt flint	71	1547	228	6805	39	1137	89	2342	82	1129	2	106	511	13,066
Fired clay/Daub	5	70	439	8341	205	4214	408	12,948	102	1977	–	–	1159	27,550
Glass (RB)	1	8	270	4407	4	21	27	121	11	1373	–	–	313	5930
R-B vessel	–	–	34	120	–	–	17	24	6	6	–	–	57	150
R-B objects	–	–	4	4	1	1	–	–	–	–	–	–	5	5
Post-medieval	1	8	232	4283	3	20	10	97	5	1367	–	–	251	5775
Slag	7	208	111	9778	24	1263	113	8845	6	350	–	–	261	20,444
Metalwork	4	–	394	–	73	–	87	–	61	–	8	–	627	–
Coins (inc 1 gold, 4 silver, rest Cu-alloy)	–	–	56	–	13	–	2	–	3	–	4	–	78	–
Cu-alloy	–	–	52	–	3	–	15	–	3	–	4	–	77	–
Iron	4	–	268	–	55	–	70	–	54	–	–	–	451	–
Lead	–	–	18	–	2	–	–	–	1	–	–	–	21	–

S4

	Area 1		Area 2		Area 3		Area 4		Area 5		unstrat		Total	
Find type	no	wt	no	wt	no	wt	no	wt	no	wt	no	wt	no	wt
Shale	–	–	–	–	1	1	–	–	–	–	–	–	1	1
Worked bone	1	–	11	–	2	–	7	–	5	–	2	–	28	–
Human bone	–	–	1 adult inhum neonate inhum 55 (redep)	– – 916	1 (redep)	1	2 redep)	3	4 neonate inhum 1 (redep)	– 28	–	–	7 inhum 59 (redep)	– 948
Animal bone	108	1514	5931	11,1570	1498	31,615	1641	40,794	1208	30,423	–	–	10,372	21,5916
Shell	–	–	869	9988	289	3804	196	2181	119	1803	–	–	1473	17,776

TABLE 2 Total number and weight (g) of sherds by period and Area

	Area 1		Area 2		Area 3		Area 4		Area 5		Overall total		Mean sherd weight
Phase	no	wt	no	wt	no	wt	no	wt	no	wt	no	wt	wt
Bronze Age	57	1486	–	–	–	–	2	22	3	22	62	1530	25
Romano-British (unspecified)	1	3	1418	30,359	25	310	36	878	128	2643	1608	34,193	21
R-B: I	–	–	1833	29,309	12	189	510	9987	97	1776	2452	41,261	17
R-B: II	–	–	975	15,442	23	294	1064	24,934	1419	31,338	3481	72,008	21
R-B: III	5	75	1391	24,780	694	10,310	251	5410	415	6519	2756	47,094	17
Medieval	15	140	3677	452,888	825	13,673	–	–	189	3028	4706	64,711	14
Post-medieval	–	–	1902	42,567	161	3273	269	5126	13	742	2345	51,708	22
Modern	–	–	160	3059	8	1125	–	–	–	–	168	4184	25
Undated	–	–	117	1278	7	60	84	945	2	67	210	2350	11
Totals	78	1704	11,473	194,664	1755	29,234	2216	47,302	2266	46,135	17,788	319,039	
Mean wt	21.8		16.9		16.6		21.3		20.3		17.9		
% of total no	0.4		64.5		9.8		12.4		12.7				
% of total wt		0.5		49.9		9.1		14.8		14.4			

TABLE 3 Fabric groups by period

Fabric group	Bronze Age		Romano-British (unspecified)		Romano-British Phase I		Romano-British Phase II		Romano-British Phase III		Medieval		Post-medieval		Modern		Undated		Total number	Total weight
	no	wt	no	wt	no	wt	no	wt	no	wt	no	wt	no	wt	no	wt	no	wt		
Flint-tempered	59	1514	–	–	7	62	2	8	9	121	14	108	3	38	–	–	3	21	97	1872
Sandy	3	16	1	16	–	–	–	–	–	0	1	8	–	–	–	–	1	6	6	46
Shell	–	–	–	–	–	–	1	10	1	4	2	8	–	–	–	–	–	–	4	22
Prehistoric totals	62	1530	1	16	7	62	3	18	10	125	17	124	3	38	–	–	4	27	107	1940
Mean weight	25				9		6		12		7		13				7		18	
Samian	–	–	37	306	94	1157	117	1625	58	602	135	1346	83	937	2	16	11	122	537	111
Imports	–	–	1	3	5	42	16	165	7	41	12	34	4	58	1	1	–	–	46	344
Eggshell	–	–	1	3	1	1	–	–	–	–	–	–	–	–	–	–	–	–	2	4
Misc CC	–	–	1	3	1	5	4	46	6	70	21	149	6	54	–	–	–	–	39	327
Mica-dusted	–	–	18	285	68	266	72	819	33	403	24	215	12	159	–	–	3	94	230	2241
Nene Valley CC	–	–	–	–	–	–	–	–	7	154	20	181	2	18	–	–	2	17	31	370
Oxon CC	–	–	–	–	–	–	–	–	46	524	67	517	9	52	2	22	1	14	125	1129
Amphora	–	–	237	10,858	76	7967	150	14,621	73	8560	118	56,743	117	10,185	–	–	10	188	781	59414
Oxidized	–	–	35	447	126	1580	117	5389	47	555	129	982	57	824	1	32	8	100	520	9909
Verulamium	–	–	47	1122	59	981	140	2821	45	509	54	569	20	557	3	17	–	–	367	6576
White slipped	–	–	35	403	74	937	125	1823	32	212	65	560	26	294	–	–	4	33	361	4262
Whiteware	–	–	14	153	38	469	40	665	47	470	46	368	30	316	–	–	3	36	218	2477
Oxon whiteware	–	–	–	–	–	–	–	–	3	40	6	84	1	20	–	–	–	–	10	144
Hadham oxidized	–	–	–	–	–	–	–	–	2	29	1	9	–	–	–	–	–	–	3	38
Misc mortaria	–	–	1	9	–	–	5	413	4	148	6	711	5	329	1	14	–	–	22	61624
Verulamium mortaria	–	–	5	427	7	561	38	3580	12	471	12	669	11	612	–	–	1	14	84	6193
Oxon CC mortaria	–	–	–	–	–	–	–	–	7	196	8	246	–	–	–	–	–	–	15	442
Oxon WSRW mortaria	–	–	–	–	–	–	–	–	–	–	3	71	–	–	–	–	–	–	3	71

	Bronze Age		Romano-British (unspecified)		Romano-British Phase I		Romano-British Phase II		Romano-British Phase III		Medieval		Post-medieval		Modern		Undated		Total number	Total weight
Fabric group	no	wt	no	wt	no	wt	no	wt	no	wt	no	wt	no	wt	no	wt	no	wt		
Oxon WW mortaria	–	–	–	–	–	–	–	–	12	466	28	1106	5	229	1	30	–	–	46	1831
BB1	–	–	16	347	7	59	124	2688	91	1600	111	1736	53	918	–	–	5	89	407	7455
Calcareous	–	–	2	37	2	12	1	23	31	739	43	607	11	270	–	–	6	240	96	1928
Fine calcite	–	–	–	–	–	–	1	23	–	–	–	–	–	–	–	–	–	–	1	23
Flint	–	–	1	218	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	218
Greyware	–	–	956	14,644	1447	19,763	2308	32,078	2040	29,223	2776	32,440	1287	19,032	67	877	137	1168	11,018	149,225
Gritty	–	–	116	3331	–	–	–	–	2	37	7	302	15	300	–	–	–	–	140	3970
Grog-tempered	–	–	83	1574	421	6563	172	3883	115	1472	118	2298	69	1249	4	154	7	152	989	17,345
Organic	–	–	–	–	19	456	48	1328	5	63	17	196	5	92	–	–	–	–	94	2135
Overwey/Tilford	–	–	–	–	–	–	–	–	8	218	15	249	1	13	–	–	–	–	24	480
SW Greyware A	–	–	–	–	–	–	–	–	7	47	–	–	–	–	–	–	–	–	7	47
Romano-British totals	–	–	1606	34170	2445	41,199	3478	71,990	2743	46,903	3839	52,177	1829	36,518	82	1163	198	2267	16,220	286,387
Mean weight			21		17		21		17		14		20		14		11		17	
Coarse sandy	–	–	1	7	–	–	–	–	1	8	453	6619	79	1338	2	34	6	25	542	8031
Fine sandy	–	–	–	–	–	–	–	–	–	–	24	354	–	–	–	–	–	–	24	354
Shelly	–	–	–	–	–	–	–	–	2	58	60	822	12	160	1	4	–	–	75	1044
Surrey coarse	–	–	–	–	–	–	–	–	–	–	75	1024	15	247	1	12	1	24	92	1307
Surrey white	–	–	–	–	–	–	–	–	–	–	191	1992	46	499	3	28	1	7	241	2526
London type	–	–	–	–	–	–	–	–	–	–	6	83	2	12	–	–	–	–	8	95
Medieval totals	–	–	1	7	–	–	–	–	3	66	809	10,894	154	2256	7	78	8	56	982	13,357
Mean weight									22		13		15		11		7		14	
Border ware	–	–	–	–	–	–	–	–	–	–	3	22	61	891	–	–	–	–	64	913
Buff ware	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	8	–	–	1	8
Cream ware	–	–	–	–	–	–	–	–	–	–	1	10	12	244	3	10	–	–	16	264

S8

	Bronze Age		Romano-British (unspecified)		Romano-British Phase I		Romano-British Phase II		Romano-British Phase III		Medieval		Post-medieval		Modern		Undated		Total number	Total weight
Fabric group	no	wt	no	wt	no	wt	no	wt	no	wt	no	wt	no	wt	no	wt	no	wt		
Industrial	–	–	–	–	–	–	–	–	–	–	–	–	4	376	–	–	–	–	4	376
Pearl ware	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2	8	–	–	2	8
Porcelain	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2	18	–	–	2	18
Redware	–	–	–	–	–	–	–	–	–	–	34	1160	226	8542	41	2255	–	–	301	11,957
Staffs slip	–	–	–	–	–	–	–	–	–	–	–	–	4	763	–	–	–	–	4	763
Stoneware	–	–	–	–	–	–	–	–	–	–	1	310	14	1774	2	62	–	–	17	2146
Tin-glaze	–	–	–	–	–	–	–	–	–	–	1	4	14	133	1	2	–	–	16	139
Tudor Green	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	2	–	–	1	2
White saltglaze	–	–	–	–	–	–	–	–	–	–	1	10	24	173	26	578	–	–	51	761
Post–medieval totals	–	–	–	–	–	–	–	–	–	–	41	1516	359	12,896	79	2943	–	–	479	17,355
Mean weight											37		36							
Totals	59	1508	1608	34,193	2452	41,261	3481	72,008	2759	47,116	4706	66,008	2345	51,708	168	4184	210	2350	17,788	31,9039
Mean weight	26		21		17		21		17		14		22		25		11		18	

TABLE 4 Fabric groups by Area

Fabric group	Area 1		Area 2		Area 3		Area 4		Area 5		Total number	Total weight
	no	wt	no	wt	no	wt	no	wt	no	wt		
Flint-tempered	54	1470	21	240	11	88	6	44	3	22	95	1864
Sandy	3	16	3	30	–	–	–	–	–	–	6	46
Shell	–	–	4	22	–	–	–	–	–	–	4	22
Prehistoric totals	57	1486	28	292	11	88	6	44	3	22	105	1932
Samian	–	–	305	3420	63	633	82	1122	87	936	537	6111
Import	–	–	19	137	7	61	18	134	2	12	46	344
Eggshell	–	–	2	4	–	–	–	–	–	–	2	4
Misc CC	–	–	30	220	1	11	7	92	1	4	39	327
Mica-dusted	–	–	131	1018	9	153	25	367	65	703	230	2241
Nene Valley CC	–	–	29	356	2	14	–	–	–	–	31	370
Oxon CC	1	26	80	641	44	462	–	–	–	–	125	1129
Amphora	–	–	503	33,702	69	3993	99	10,033	110	11,686	781	59,414
Oxidized	–	–	323	3680	32	214	121	5535	44	480	520	9909
Verulamium	–	–	163	2217	9	156	101	1397	94	2806	367	6576
White slipped	–	–	166	1850	29	172	111	1690	55	550	361	4262
Whiteware	–	–	107	1067	36	468	34	478	41	464	218	2477
Oxon white	–	–	10	144	–	–	–	–	–	–	10	144
Hadham oxidized	–	–	–	–	3	38	–	–	–	–	3	38
Misc. mortaria	–	–	6	270	7	550	6	577	3	227	22	1624
Verulamium mortaria	–	–	38	2604	8	137	27	1835	11	1617	84	6193
Oxon cc mortaria	–	–	15	442	–	–	–	–	–	–	15	442
Oxon WSRW mortaria	–	–	3	71	–	–	–	–	–	–	3	71

	Area 1		Area 2		Area 3		Area 4		Area 5		Total number	Total weight
Fabric group	no	wt	no	wt	no	wt	no	wt	no	wt		
Oxon WW mortaria	–	–	32	1401	10	322	4	108	–	–	46	1831
BB1	–	–	163	2701	67	1057	102	2274	75	1423	407	7455
Calcareous	–	–	52	922	31	646	10	287	3	73	96	1928
Fine calcite	–	–	–	–	–	–	–	–	1	23	1	23
Flint	–	–	–	–	3	54	3	226	–	–	6	280
Greyware	9	49	7065	95,743	1153	15,288	1333	17,654	1458	20,491	11,018	149,225
Gritty	–	–	137	3903	–	–	3	67	–	–	140	3970
Grog-tempered	–	–	763	12,223	38	990	80	2348	108	1784	989	17,345
Organic	–	–	13	138	8	104	4	98	69	1795	94	2135
Overwey/Tilford	1	13	16	259	6	195	1	13	–	–	24	480
SW Greyware A	–	–	–	–	–	–	–	–	7	47	7	47
Romano-British totals	11	88	10,171	169,133	1635	25,718	2171	46,335	2234	45,121	16,222	286,395
Coarse sandy	7	100	475	6364	55	1233	1	8	4	326	542	8031
Fine sandy	–	–	24	354	–	–	–	–	–	–	24	354
Shelly	–	–	67	831	7	202	–	–	1	11	75	1044
Surrey coarse	–	–	61	754	25	478	1	24	5	51	92	1307
Surrey white	3	30	223	2218	2	66	2	9	11	203	241	2526
London type	–	–	5	21	3	74	–	–	–	–	8	95
Medieval totals	10	130	855	10,542	92	2053	4	41	21	591	982	13,357
Border ware	–	–	53	752	–	–	11	161	–	–	64	913
Buff ware	–	–	1	8	–	–	–	–	–	–	1	8
Cream ware	–	–	12	221	1	6	3	37	–	–	16	264
Industrial	–	–	4	376	–	–	–	–	–	–	4	376
Pearl ware	–	–	2	8	–	–	–	–	–	–	2	8
Porcelain	–	–	2	18	–	–	–	–	–	–	2	18
Redware	–	–	261	9758	14	1213	21	684	5	302	301	11,957

	Area 1		Area 2		Area 3		Area 4		Area 5		Total number	Total weight
Fabric group	no	wt	no	wt	no	wt	no	wt	no	wt		
Staffs Slip	–	–	3	609	1	154	–	–	–	–	4	763
Stoneware	–	–	16	2068	–	–	–	–	1	78	17	2146
Tin glaze	–	–	14	118	–	–	–	–	2	21	16	139
Tudor Green	–	–	–	–	1	2	–	–	–	–	1	2
White salt glaze	–	–	51	761	–	–	–	–	–	–	51	761
Post-medieval totals	0	0	419	14697	17	1375	35	882	8	401	479	17,355
Area totals	78	1704	11,473	194,664	1755	29,234	2216	47,302	2266	46,135	17,788	319,039

TABLE 5 Ceramic building material: dated forms by period

Phase	Date	Tegula no/wt	Imbrex no/wt	Brick no/wt	Flue no/wt	Roof tile no/wt	Flat frags no/wt	Featureless no/wt	Other no/wt
BA	indeterminate	0/0	0/0	0/0	0/0	0/0	0/0	1/22	0/0
Total		0/0	0/0	0/0	0/0	0/0	0/0	1/22	0/0
Unspec. R-B	Roman total	32/5281	24/2970	83/18,860	2/363	0/0	90/8481	98/3460	0/0
	Med/p-med total	0/0	0/0	0/0	0/0	11/670	0/0	0/0	0/0
	indeterminate total	0/0	0/0	1/255	0/0	0/0	0/0	1/6	0/0
Total		32/5281	24/2970	84/19,115	2/363	11/670	90/8481	99/3466	0/0
R-B: I	Roman total	28/6993	17/4488	87/27,109	1/101	0/0	50/7461	99/2641	0/0
	Med/p-med total	0/0	0/0	0/0	0/0	15/1005	2/12	0/0	0/0
	indeterminate total	0/0	0/0	0/0	0/0	0/0	0/0	15/331	0/0
Total		28/6993	17/4488	87/27,109	1/101	15/1005	52/7473	114/2972	0/0
R-B: II	Roman total	113/23,991	163/20,834	234/49,261	5/330	0/0	207/28,099	240/8552	1/397
	Med/p–med total	0/0	0/0	2/228	0/0	41/1429	0/0	3/40	1/49
	indeterminate total	0/0	0/0	0/0	0/0	0/0	0/0	3/19	0/0
Total		113/23,991	163/20,834	236/49,489	5/330	41/1429	207/28,099	246/8611	2/446
R-B: III	Roman total	120/21,634	93/10,257	168/43,163	16/1818	0/0	312/34,109	390/14,391	2/1484

Phase	Date	Tegula no/wt	Imbrex no/wt	Brick no/wt	Flue no/wt	Roof tile no/wt	Flat frags no/wt	Featureless no/wt	Other no/wt
	Med/p-med total	0/0	0/0	1/1429	0/0	18/1847	0/0	0/0	2/ 183
	indeterminate total	0/0	0/0	0/0	0/0	0/0	0/0	2/14	0/0
Total		120/21,634	93/10,257	169/44,592	16/1818	18/1847	312/34,109	392/14,405	4/1667
Med	Roman total	144/24,036	97/9030	203/44,391	17/1346	0/0	345/32,310	820/21,403	2/100
	Med/p-med total	0/0	0/0	5/1185	0/0	203/12,941	17/1993	34/575	3/374
	indeterminate total	0/0	0/0	0/0	0/0	0/0	1/42	28/350	0/0
Total		144/24,036	97/9030	208/45,576	17/1346	203/12,941	363/34,345	882/22,328	5/474
P-med	Roman total	104/17,778	92/11,479	160/47,000	8 /822	0/0	212/24,892	358/13,608	0/0
	Med/p-med total	0/0	0/0	88/25,985	0/0	459/40,610	9/ 736	50/729	4/299
	indeterminate	0/0	0/0	1/884	0/0	0/0	0/0	13/395	0/0
Total		104/17,778	92/11,479	249/73,869	8/822	459/40,610	221/25,628	421/14,732	4/299
mod/ undated/ unknown	Roman total	27/ 6769	17/1918	35/6843	2/109	0/0	30/4751	143/3597	0/0
	Med/p-med total	0/0	0/0	19/1487	0/0	134/399	4/399	51/659	1/ 2611
	indeterminate	0/0	0/0	0/0	0/0	0/0	1/192	105/6586	0/0
Total		27/6769	17/1918	54/8330	2/109	134/9939	35/5342	299/10842	1/2611
Grand total		568/106,482	503/60,976	1087/268,080	51/4889	881/68,341	1280/143,477	2454/77378	16/5497

TABLE 6 Ceramic building material: dated forms by Area

Area	Date	Tegula		Imbrex		Flue		Brick		Roof tile		Flat frags		Featureless frags		Other	
		no	wt	no	wt	no	wt	no	wt	no	wt	no	wt	no	wt	no	wt
Area 1	Roman	1	133	–	–	–	–	–	–	–	–	5	409	4	37	–	–
	Med/p-med	–	–	–	–	–	–	1	455	7	1649	–	–	1	22	–	–
	indeterminate	–	–	–	–	–	–	–	–	–	–	–	–	7	58	–	–
Total		1	133	–	–	–	–	1	455	7	1649	5	409	12	117	–	–
Area 2	Roman	188	41,567	128	14,706	25	1811	422	99,261	–	–	476	48,243	1101	30,166	2	1484
	Med/p-med	–	–	–	–	–	–	71	20,651	603	39,925	11	339	128	1786	5	423
	indeterminate	–	–	–	–	–	–	–	–	–	–	1	42	156	7620	–	–
Total		188	41,567	128	14,706	25	1811	493	119,912	603	39,925	488	48,624	1385	39,572	7	1907
Area 3	Roman	138	20,641	102	9738	5	461	134	34,076	–	–	337	34,647	423	14,448	2	100
	Med/p-med	–	–	–	–	–	–	9	3760	48	2158	1	233	1	17	4	2877
	indeterminate	–	–	–	–	–	–	1	884	–	–	–	–	–	–	–	–
Total		138	20,641	102	9738	5	461	144	38,720	48	2158	338	34,880	424	14,465	6	2977
Area 4	Roman	186	33,953	220	30,160	13	1370	256	75,419	0	0	302	39,920	443	17,218	1	397
	Med/p-med	–	–	–	–	–	–	34	5448	164	16,451	5	578	7	578	1	49
	indeterminate	–	–	–	–	–	–	–	–	–	–	1	192	3	40	–	–
Total		186	33,953	220	30,160	13	1370	290	80,867	164	16,451	308	40,690	453	17,336	2	446
Area 5	Roman	55	9188	53	6372	8	1247	158	27,871	–	–	126	16,884	177	5783	–	–
	Med/p-med	–	–	–	–	–	–	–	–	59	8158	15	1990	1	100	1	167
	indeterminate	–	–	–	–	–	–	1	255	–	–	–	–	2	5	–	–
Total		55	9188	53	6372	8	1247	159	28,126	59	8158	141	18,874	180	5888	1	167
Grand total		568	106,482	503	60976	51	4889	1087	268,080	881	68,341	1280	143,477	2454	77,378	16	5497

TABLE 7 Summary of results from human bone analysis

Context	Phase	Type	% Skeleton	Age	Sex	Pathology summary
383	Med	redep	< 1%	adult	male	
1533	R-B: I	redep	< 1%	neonate		
1815	P-med	redep	< 1%	neonate		periosteal new bone – right tibia
1833	Med	redep	*c* 5%	adult	male	periosteal new bone – tibia & fibula
1937	R-B	redep	*c* 2%	adult >25 yr	male	exo – patella
1979	Med	redep	*c* 1%	adult	female	
2070	R-B: III	burial	*c* 35%	adult *c* 35–50 yr	female	caries; calculus; pd; oa – temporo–mandibular; costo–vertebral; C, T, acromio–clavicular; ddd – C, T; op – C, T, gleno–humeral; pitting – acromio–clavicular; sterno–clavicular; humeral tubercles; mv – wormian bones
2078	Med	redep	<1%	adult >18 yr	?	
2181	R-B: I	?burial	*c* 8%	neonate 0–1 mth	?	
2276	?	burial	*c* 50%	neonate 0–6 mth	?	
3143	Med	redep	< 1%	neonate 3–9 mth		periosteal new bone – ulna shaft
3337	R-B: II	redep	*c* 25%	8–9 mth foetal (=3339)	?	
3338	R-B: I–II	burial	*c* 90%	neonate 0–3 mth	?female	
3339	R-B: I–II	burial	*c* 40%	7–10 mth foetal		
3367	R-B: II	burial	*c* 80%	neonate 0–2 mth	?female	
3369	R-B: I–II	burial	*c* 90%	neonate 3–6 mth		
3600	R-B: III	redep	< 1%	neonate 0–6 mth		
3806	R-B: II	redep	< 1%	foetus/neonate		

Key: exo – exostoses; pd – periodontal disease; oa – osteoarthritis; C – cervical; T – thoracic; ddd – degenerative disc disease;
mv – morphological variation

TABLE 8 Waterlogged wood and charcoal; number of fragments identified

Feature type/no	Context	Sample	*Alnus*	*Betula*	*Corylus*	Ericaceae	*Fagus*	*Fraxinus*	*Ilex*	Pomoideae	*Prunus*	*Quercus*	Salicaceae	*Sambucus*	*Ulmus*
Area 2															
Romano-British: Phase I															
Burnt area	1511	94	1	2	1	–	–	–	–	–	–	41h, 2r	1	–	1
Romano-British: Phase II															
Pit 2273 (borehole f)	2274	273	–	2	2	–	–	–	–	2	–	20h, 1r	–	–	cf. 1
Medieval															
Oven 2102	2108	217	2	–	3	–	5	–	–	–	–	28h,26r, s	2	–	
Pit 1980	2090	203	–	–	–	–	–	–	–	1	–	–	–	–	–
	1873	154*	–	–	–	–	–	–	–	–	–	–	1	–	–
	1877	155*	unidentified bark												
	1877	156*	–	–	–	–	–	–	–	–	–	–	–	1r	–
	1877	157*	–	–	4r	–	–	–	–	–	4r	–	2r	3	–
	2009	179*	–	–	cf 4r	–	–	–	–	–	3r	–	–	1r	–
Area 4															
Romano-British: Phase I															
Pit 3687	3688	4139 I	–	–	–	1r	–	–	1	3	–	69h, 12r	–	–	–
Romano-British: Phase II															
Pit 3726	3729	4143 I	–	3	–	–	–	–	–	–	–	10h, 95r	–	–	–
Partition wall	3780	4145 A	–	–	–	–	–	–	–	–	–	74h, 3s	–	–	–
Area 5															
Romano-British: Phase III															
Ditch 3446	3397	4105 E	–	1r	3	–	–	1	–	1	2	12h, 2r,s	–	–	–

Key: h = heartwood; r = roundwood (diameter <25mm); s = sapwood (roundwood of unknown diameter but probably >25mm); * = waterlogged wood

TABLE 9 Charred plant remains: crops

Period	LIA/RB: I	R-B: I			R-B: II			R-B: III	Medieval		
Area	2	2		5	4		5	3	2		3
Context no	1410	1510	2198	3422	3860	3623	3458	3022	2108	2113	3095
Feature type	pit 1409	burnt area	ditch 2461	ditch 3420	pit 3986 (=4018)	layer above floor	pit 3457	pit 3021	oven 2102	pit 2114	pit 3093
Volume (ml)/Split (ml)	12	36	60	42	23	34	80	74		17	180/90
Triticum spelta (spelt wheat)											
Grains	–	–	–	–	–	20+3f	–	3+1f	22+2f	3+2f	–
Glume bases	–	11	2	–	1	–	–	2	10	–	–
Rachis fragments	–	2	–	–	–	–	–	–	–	–	–
Triticum aestivum (bread wheat)											
Grains	8	–	69+8f	–	8	14+3f	9	29	36+5f	9	315 (few sprouted)
Rachis fragments	–	–	–	–	–	–	–	1	–	–	190
Triticum dicoccum (emmer wheat)											
Grains	–	1	6	–	–	–	–	–	–	–	–
Triticum sp. indet											
Grains	–	–	4	3	–	31	–	2	–	–	–
Glume bases	–	30	3	4	5	–	–	6	15	1	1
Spikelet forks	–	–	–	–	1	2	–	–	1	–	–
Rachis fragments	–	–	–	–	–	–	–	–	–	1	–
Hordeum vulgare hulled (hulled barley)											
Grains	3	1	67+8f	3	2	30+3f	7	5+6f	12+2f	21+17f	–
Tail grain	–	–	1	1	–	–	–	–	–	–	–
Rachis fragments	–	–	–	–	–	–	–	–	–	–	2

Period	LIA/RB: I	R-B: I			R-B: II			R-B: III	Medieval		
Area	2	2		5	4		5	3	2		3
Context no	1410	1510	2198	3422	3860	3623	3458	3022	2108	2113	3095
Feature type	pit 1409	burnt area	ditch 2461	ditch 3420	pit 3986 (=4018)	layer above floor	pit 3457	pit 3021	oven 2102	pit 2114	pit 3093
Volume (ml)/Split (ml)	12	36	60	42	23	34	80	74		17	180/90
Secale cereale (rye)											
Grains	–	–	12+1embryo	–	–	2+2f	–	1=1f	7	1	239
Rachis fragments	–	–	–	–	–	–	–	–	–	–	182
Avena sp. (wild/cultivated oats)											
Grains	1	–	31+19f	–	1	6+3f	–	4+3f	4+3f	6+7f	73+3f
Florets	–	–	–	–	–	–	–	–	–	–	1
Awns	–	1	–	–	–	–	–	1	1	–	11
Pisum sativum (pea)											
Whole	2	–	9	–	1	6	2+1f	2	–	5	86
Cotyledons	2	2+1f	19+15f	1	2	9	–	5+3f +1 hilum	3f	14f	40+37f
Vicia faba (broad bean)											
Whole	–	–	–	–	–	–	1	–	–	–	2
Cotyledons	–	–	1	–	2	1	–	–	1+4f	–	–
Cerealia indet	29f	34f	228f	22f	33f	198f	27f	68f	100+f	92f	1000+f
Embryos	–	–	2	–	–	–	–	1	2	–	–
Shoots	–	2	–	1	1	–	–	–	–	–	–
Culm nodes	–	1	–	–	–	–	–	1	–	–	29
Parenchymatous tissue	–	6f	–	2f	–	–	–	–	–	–	–

TABLE 10 Charred plant remains: weeds

Period	R-B: I			R-B: II			R-B: III	Medieval		
Area	2		5	4		5	3	2		3
Context no	1510	2198	3422	3860	3623	3458	3022	2108	2113	3095
Feature type	burnt area	ditch 2461	ditch 3420	pit 3986 (= 4018)	layer above floor	pit 3457	pit 3021	oven 2102	pit 2114	pit 3093
Ranunculus a/r/b (buttercup)	1	–	–	–	–	–	1	–	–	–
Papaver sp. (poppy)	–	–	–	–	–	–	1	1	–	–
Urtica urens (small nettle)	7	–	–	–	–	–	–	–	–	–
Corylus avellana (hazel)-*	–	–	6f	3f	5f	–	–	15f	1f	1f
Chenopodium album (fat-hen)	1	2f	–	–	–	–	2	–	–	6
Chenopodium polyspermum (many-seeded goosefoot)	–	–	–	–	–	–	1	1	–	–
Chenopodiaceae	–	–	–	–	–	–	–	4f	–	6
Atriplex sp. (orache)	3	–	3f	–	–	–	–	–	1+2f	1
cf *Beta vulgaris* (beet-*	–	–	–	–	–	–	–	–	–	1
Stellaria media (chickweed)	2	–	–	–	–	–	2	–	–	–
Stellaria palustris (marsh stitchwort)	–	–	–	–	–	–	1	–	–	–
Agrostemma githago (corn cockle)	1	–	–	–	–	–	1	–	–	1
Persicaria maculosa (redshank)	–	–	–	–	–	–	–	1f	1	–
Fallopia convolvulus (black bindweed)	–	–	–	–	–	–	–	1f	–	1
Rumex acetosella (sheep's sorrel)	5	–	–	–	–	–	3	3	–	–
Rumex sp. (dock)	7	1	2+1f	1	–	–	5+1f	10+2f	1	12
Brassicaceae indet	–	1	–	–	–	–	–	–	–	–
Brassica sp. *Sinapis arvensis* (cabbage/charlock)	–	–	–	–	–	–	–	1	–	2+1f
Raphanus raphanistrum (wild radish)	–	–	–	–	–	–	–	–	–	1
Rosa cf *canina* (dog-rose)	–	–	–	–	1	–	–	–	–	–
Prunus domestica (plum)-*	–	–	–	–	1f	2f	–	–	–	–
Prunus spinosa (sloe)-*	–	–	–	–	–	–	2f	–	–	–

	Period	R-B: I			R-B: II			R-B: III	Medieval		
	Area	2		5	4		5	3	2		3
	Context no	1510	2198	3422	3860	3623	3458	3022	2108	2113	3095
	Feature type	burnt area	ditch 2461	ditch 3420	pit 3986 (= 4018)	layer above floor	pit 3457	pit 3021	oven 2102	pit 2114	pit 3093
Rubus Sect 2 Glandulosus (bramble)-*		1	–	–	–	–	–	–	–	–	–
Vicia sp. (vetch/tare)		1	2	2 imm +2	1+1f	1	–	13	1	–	8
Medicago lupulina (black medick)		1	2	1	–	1	–	–	2	–	–
Medicago sp. (medick)		–	–	–	–	–	–	–	–	–	1
Trifolium sp. (clover)		5	–	–	–	–	–	5	3	–	1
Fabaceae indet		–	1	–	–	–	–	–	–	–	–
Linum catharticum (fairy flax)		–	–	1	–	–	–	–	–	–	–
Conium maculatum (hemlock)		119+ 38f	–	–	–	–	–	–	–	–	–
Apium nodiflorum (fool's water-cress)		–	–	–	–	–	–	–	2	–	–
Hyoscyamus niger (henbane)		43	–	–	–	–	–	–	–	1	–
Lithospermum arvense (corn gromwell)		–	–	1	–	–	–	–	–	–	1
Teucrium scorodonia (wood sage)		1	–	–	–	–	–	–	–	–	–
Prunella vulgaris (selfheal)		–	–	–	–	–	–	1	–	–	–
Plantago lanceolata (plantain)		–	1f	4	–	–	–	–	4	1	–
Odontites vernus (red bartsia)		3	–	–	–	–	–	–	–	–	1
Rhinanthus minor (yellow rattle)		–	–	1	–	–	–	–	–	–	–
Galium aparine (cleavers)		–	–	–	2f	1	–	1	2f	1	1
Galium cf *palustre* (marsh bedstraw)		1	–	2	–	–	–	–	–	–	–
Sambucus nigra (elder)-*		–	–	–	–	–	–	10+18f	–	–	–
Asteraceae indet.		–	–	–	–	–	–	5	–	–	1 head
Anthemis cotula (stinking mayweed)		–	1	–	–	–	–	–	–	2	47
Chrysanthemum segetum (corn marigold)		–	–	–	–	–	–	–	–	–	1
Tripleurospermum inodorum (scentless mayweed)		–	–	1	–	–	–	–	2	–	–

	Period	R-B: I			R-B: II			R-B: III	Medieval		
	Area	2		5	4		5	3	2		3
	Context no	1510	2198	3422	3860	3623	3458	3022	2108	2113	3095
	Feature type	burnt area	ditch 2461	ditch 3420	pit 3986 (= 4018)	layer above floor	pit 3457	pit 3021	oven 2102	pit 2114	pit 3093
Luzula campestris (field wood rush)		2	1	2	–	–	–	–	–	–	–
Eleocharis palustris (spikerush)		–	–	1	–	–	–	–	1	–	1+1f
Carex otrubae (false fox-sedge)		1	–	–	–	–	–	1	–	–	–
Carex sp. (sedge)		9	–	–	2	–	–	1	5	–	–
Lolium temulentum (darnel)		–	–	–	–	–	–	–	–	3	4
Bromus sp. (brome grass)		–	–	–	–	–	–	–	–	–	1
Poa sp. (meadow grass)		3	–	–	–	–	–	–	–	–	–
cf *Vulpia myuros* (rat's-tail fescue)		–	–	–	–	–	–	1	–	–	–
Danthonia decumbens (heath-grass)		–	–	1	–	–	–	–	–	–	–
Small Poaceae (small grass seeds)		7	3	8	1	–	1	5	3	1	–

* edible

TABLE 11 Species identifications from waterlogged samples

Period	R-B: III					Medieval
Area	2			3		2
Context no	2188	1296	3192	3234	3239	2061
Feature type	Ditch 2199 (= 793)	Pit 1295	Well 3186	Channel 3256	Channel 3256	Pit 1920
Chara sp. oogonia (stonewort)	–	–	–	8	1000+	–
Sphagnum sp. leaf (peat moss)	1	–	–	–	–	–
Musci (mosses)	–	present	–	–	1f	–
Ceratophyllum demersum (hornwort)	–	–	–	1	–	–
Ranunculus a/r/b (buttercup)	17+42f	3+13f	–	3+10f	1+7f	2 (min)
Ranunculus sceleratus (celery-leaved buttercup)	–	1	–	–	1	–
Ranunculus lingua (greater spearwort)	–	–	–	–	4	–
Ranunculus flammula (lesser spearwort)	–	1+1f	–	–	–	–
Ranunculus subgenus *Batrachium* (water crowfoot)	–	–	–	1+2f	2+13f	–
Thalictrum flavum (meadow-rue)	7+2f	–	–	4f	–	26f
Papaver argemone (prickly poppy)	1	–	–	–	–	–
Papaver sp. (poppy)	–	–	–	–	1	–
Fumaria officinalis (common fumitory)	3f	5f	–	1f	–	–
Urtica dioica (common nettle)	117	77	–	1000+	394	6+1min
Urtica urens (small nettle)	3	–	–	–	2	–
Betula pubescens (downy birch)	–	1	–	–	–	–
Corylus avellana (hazel)-*	20f	–	–	–	2f	–
Chenopodium rubrum (red goosefoot)	–	–	–	5	68	–
Chenopodium polyspermum (many-seeded goosefoot)	–	9+4f	–	13	108+166f	–
Chenopodium murale (nettle-leaved goosefoot)	–	–	–	–	3	–
Chenopodium album (fat-hen)	18	–	–	3+2f	52+28f	–
Atriplex patula (common orache)	–	8+4f	–	–	–	–
Atriplex sp. (orache)	–	3f	–	–	1	–
Chenopodiaceae	21	–	2	–	–	–
Montia fontana ssp. *chondrosperma* (blinks)	–	–	–	–	1+1f	–
Stellaria media (chickweed)	1	5+2f	–	3	12+2f	–
Persicaria maculosa (redshank)	26+16f	7	–	4+2f	–	–
Persicaria lapathifolia (pale persicaria)	–	47+27f	–	6f	–	–
Persicaria hydropiper (water-pepper)	1	3	–	–	2+4f	–
Persicaria hydropiper perianth segments (water-pepper)	–	–	–	–	–	2f
Persicaria sp. (knotweed)	–	–	–	4f	–	–
Polygonum aviculare (knotgrass)	1	3	–	4f	–	–
Rumex acetosella (sheep's sorrel)	1	–	–	–	–	–
Rumex conglomeratus (clustered dock)	–	9	–	–	–	–
Rumex obtusifolius (broad-leaved dock)	–	2	–	–	69+107f	–
Rumex sp. (dock)	87+29f	65	–	67+47f	–	3+1min
Rumex sp. perianth segments	–	36f	–	–	–	–
Rumex sp. bladder	–	1	–	–	–	–

Period	R–B: III					Medieval
Area	2		3			2
Context no	2188	1296	3192	3234	3239	2061
Rumex sp. fruit attachments	–	4	–	–	–	–
Hypericum sp. (St John's wort)	–	1	–	–	2	–
Sisymbrium officinale (hedge mustard)	–	117	–	–	–	–
Rorippa nasturtium-aquaticum (water-cress)	–	–	–	–	2	–
Rorippa microphylla (narrow-fruited water-cress)	–	1	–	–	–	–
Rorippa palustris (marsh yellow-cress)	1	1	–	–	2	1
Brassica nigra (black mustard)-?*	–	132+163f	–	–	–	–
Brassica nigra fruit attachments (black mustard)-*	–	46	–	–	–	–
Filipendula ulmaria (meadow sweet)	27	2	–	5+47f	–	–
Rubus Sect 2 *Glandulosus* (bramble)-*	1	3f	–	1+1f	2+2f	–
Potentilla sp. (cinquefoils)	1	–	–	–	3	–
Aphanes arvensis (parsley-piert)	1	–	–	–	–	–
Rosaceae prickle (bramble/rose etc. type thorn)	1	1	–	–	–	–
Lythrum salicaria (purple loosestrife)	–	18	–	71	32	–
Linum catharticum (fairy flax)	–	6	–	–	–	–
Hydrocotyle vulgaris (marsh pennywort)	–	–	–	–	1	–
Berula erecta (lesser water-parsnip)	11	–	–	–	–	–
Oenanthe aquatica (fine-leaved water dropwort)	8f	–	–	8+10f	4+9f	–
Aethusa cynapium (fool's parsley)	2f	1f	–	9+6f	16+22f	–
Foeniculum vulgare (fennel)	–	–	–	–	2	–
Conium maculatum (hemlock)	20f	20+25f	3f	22+24f	55+108f	5+110f
Apium nodiflorum (fool's water-cress)	–	23+1f	–	90	36+8f	–
Torilis japonica (upright hedge-parsley)	–	–	1	–	–	–
Hyoscyamus niger (henbane)	3+5f	1	–	2+2f	–	2+2f
Solanum nigrum (black nightshade)	3+2f	3	–	1	1	–
Verbena officinalis (vervain)	1	26+10f	–	–	–	–
Stachys sylvatica (hedge woundwort)	–	–	–	10+13f	–	–
Stachys palustris (marsh woundwort)	1	1+4f	–	–	2	–
Lamium sp. (dead nettle)	5	–	–	–	2	–
Galeopsis sp. (hemp-nettle)	2f	–	–	–	–	–
Prunella vulgaris (self-heal)	2	–	–	–	–	–
Lycopus europaeus (gypsy-wort)	1	5	–	21+1f	3	–
Mentha sp. (mint)	1	58	1	17	9	1
Lamiaceae/Fabaceae calyx	–	1	–	–	–	–
Callitriche stagnalis (common water-starwort)	2	–	1	11	–	–
Plantago major (greater plantain)	2	113+1f	–	–	6	–
Scrophularia nodosa (common figwort)	–	2	–	–	6	–
Rhinanthus minor (yellow rattle)	1	–	–	–	–	–
Galium sp. (bedstraw)	1	–	–	–	–	–
Sambucus nigra (elder)-*	1+3f	3+7f	5+21f	38+64f	12+62f	4+7f
Cirsium vulgare (spear thistle)	–	5	–	–	6+17f	–

Period	R-B: III					Medieval
Area	2		3			2
Context no	2188	1296	3192	3234	3239	2061
Cirsium sp. (thistle)	2+1f	–	–	1f	–	–
Leontodon autumnalis (autumn hawkbit)	–	2+1f	–	–	–	–
Leontodon saxatilis (lesser hawkbit)	–	1	–	–	–	–
Sonchus oleraceus (smooth sow-thistle)	1f	36+58f	–	–	–	–
Sonchus asper (prickly sow-thistle)	1+1f	9+2f	–	1	1	–
Anthemis cotula (stinking mayweed)	15	125+160 (½'s)	–	1	7	–
Senecio jacobaea (common ragwort)	31	16	–	–	5	–
Bidens tripartita (trifid bur-marigold)	–	6f	–	–	–	–
Eupatorium cannabinum (hemp-agrimony)	–	–	–	1	2f+ 1pappus	–
Asteraceae indet	–	10	–	2	7	–
Sagittaria sagittifolia (arrowhead)	–	1	–	2	–	–
Alisma plantago-aquatica (water-plantain)	11	24	–	20	6	–
Alisma lanceolatum (narrow-leaved water-plantain)	–	3	–	–	–	–
Alisma sp. embryos (water-plantain)	6	39	10	38	16	–
Alisma sp. seed cases (water-plantain)	–	–	–	14	–	–
Hydrocharis morsus-ranae (frogbit)	–	–	–	66	15	–
Potamogeton cf x *zizii* (long-leaved pondweed)	–	–	–	–	6	–
Potamogeton cf *perfoliatus* (perfoliate pondweed)	–	–	–	33+11f	–	–
Potamogeton cf *berchtoldii* (small pondweed)	–	–	–	–	1	–
Potamogeton cf *acutifolius* (sharp-leaved pondweed)	–	–	–	–	9	–
Potamogeton sp. embryos (pondweed)	–	–	–	1	5	–
Potamogeton sp. fruit fragments (pondweed)	–	–	–	–	2	–
Potamogeton sp. fruit lids (pondweed)	–	–	–	–	2	–
Zannichellia palustris (horned pondweed)	–	–	–	–	3	–
Lemna sp. (duckweed)	–	–	–	5	–	–
Juncus sp. (rush)	1000+	2	1	–	15	–
Luzula multiflora (heath wood-rush)	–	1	–	–	–	–
Eleocharis palustris (spikerush)	198+66f	–	–	–	–	–
Schoenoplectus lacustris (common club-rush)	–	–	–	–	1	–
Carex otrubae (false fox-sedge)	–	–	–	1	–	–
Carex sp. (sedge)	18+10f	6+7f	1	6+6f	18+16f	–
Carex sp. *utricle* (sedge)	1	1	–	–	–	–
Triticum spelta glume bases (spelt wheat)-*	1	1	–	–	–	–
Triticum sp. glume bases (spelt/emmer wheat)-*	–	1	–	–	–	–
Large Poaceae (large grass seeds)	–	3	–	–	–	–
Small Poaceae indet (small grass seeds)	80	11	–	1000+	1000+	–
Culm node (grass stems)	–	1	–	–	–	–
Sparganium erectum (bur-reed)	–	1+3f	–	5f	5f	–
Sparganium sp. embryos (bur-reed)	–	1	1	12	21	–
Typha latifolia/angustifolia (bulrush)	1	2	–	3	–	–
Iris pseudacorus (yellow Iris)	–	–	–	1	–	–

Period	R-B: III					Medieval
Area	2		3			2
Context no	2188	1296	3192	3234	3239	2061
Leaf fragments	–	–	–	36	25	–
Worm cocoons	13	10	8+5f	1000+	15	4+6f
Caddis fly larval cases	–	–	–	–	7	–
Charred	–	–	–	–	–	–
Triticum spelta grain (spelt wheat)	2	–	–	1 spr	–	–
Triticum spelta spikelet forks (spelt wheat)	1	–	–	–	–	–
Triticum spelta glume bases (spelt wheat)	2	1	1	–	4	2
Triticum spelta rachis fragments (spelt wheat)	2	–	–	–	–	–
Triticum aestivum rachis fragment (bread wheat)	1	–	–	–	2	–
Triticum sp. grain (wheat)	–	–	1	2f	–	–
Triticum sp. spikelet forks (emmer/spelt wheat)	–	1	–	–	–	–
Triticum sp. glume bases (emmer/spelt wheat)	1	–	2	–	–	–
Hordeum vulgare hulled grain (hulled barley)	5	–	–	–	3	2+1f
Hordeum vulgare rachis fragments (barley)	4	–	–	–	–	–
Avena sp. grain (wild/cultivated oats)	3+1f	–	–	–	1	–
Avena sp. pedicel (wild/cultivated oats)	–	–	1	–	–	–
Cerealia indet	15f	–	2f	–	16f	4f
Embryo	–	–	–	–	–	1
Sprout	–	–	1	–	–	–
Culm nodes	3	–	–	–	–	–
Urtica dioica (common nettle)	2	–	–	–	–	–
Corylus avellana (hazel)-*	1f	–	–	–	–	1f
Rumex sp. (dock)	–	–	–	–	–	2
Vicia sp. *cotyledon* (vetch/tare)	–	–	–	–	–	1
Hyoscyamus niger (henbane)	–	–	–	–	–	1
Prunella vulgaris (self-heal)	1	–	–	–	–	–
Lycopus europaeus (gypsy-wort)	1	–	–	–	–	–
Plantago media (hoary plantain)	–	–	–	–	–	1
Plantago lanceolata (ribwort plantain)	–	–	–	–	–	4
Galium aparine (cleavers)	–	–	–	–	–	1
Sambucus nigra (elder)	–	1	–	–	–	–
Centaurea cyanus (cornflower)	–	–	–	–	–	1f
Centaurea nigra (common knapweed)	–	1	–	–	–	–
Anthemis cotula (stinking mayweed)	2	4	–	–	–	2
Tripleurospermum inodorum (scentless mayweed)	–	–	–	–	–	1
Senecio sp. (ragwort)	1	–	–	–	–	–
Eleocharis palustris (common spikerush)	4	–	–	–	–	1
Carex sp. (sedge)	–	–	–	–	–	1f
Lolium sp. (rye-grass)	1	–	–	–	–	1
Small Poaceae (small grass seed)	7	–	–	–	–	7
Stem	–	–	–	–	–	1f

* edible

TABLE 12 Mineralized plant remains

Taxa	Area	4					5	
	Period	R-B: I	R-B: II			R-B: III	R-B: II	Med
	Context:	3546	3862	4069	4009	3599	3330	3483
	Feature:	d3545	1	p4068	p4008	w3605	g3329	p3482
Indeterminate cereal fragment-*		–	1	1	–	–	–	–
Bran fragments-*		–	–	6	–	–	–	–
Ranunculus repens/acris/bulbosus (buttercup)-DG		–	3	–	–	–	–	–
Ficus carica L. (fig seed)-*		–	–	5	–	–	–	–
Urtica dioica (stinging nettle achene)-Dn		–	–	1	–	–	–	–
Polygonum aviculare L. (knotgrass achene)-DY		–	1	–	–	–	–	–
Fallopia convolvulus (L.) Á. Löve (black bindweed achene)-CD		–	1	–	–	–	–	–
Brassica/Sinapis sp. (charlock, mustard etc. seed)-*C		–	1	–	–	–	1	–
cf *Fragaria vesca* (strawberry seed)-*		–	–	2	–	–	–	–
Prunus sp. (kernal)-*		–	–	1	–	–	–	–
cf *Prunus* sp. (seed coat)-*		–	–	1	–	–	–	–
Conium maculatum L. (hemlock mericarp)-dGoW		–	–	–	1	–	–	–
Torilis sp. (hedge-parsley mericarp)-AGHoW		–	–	–	–	1	–	–
Daucus carota L. (wild carrot mericarp)-*G		–	1	1	–	–	–	–
Apiaceae *Angelica*-type		–	–	1	–	–	–	–
Apiaceae *Bupleurum*-type fragment		–	–	–	–	–	–	–
Apiaceae indeterminate		–	–	–	–	–	–	–
Prunella vulgaris L. (self-heal)-DgoW		–	–	1	–	–	–	–
Euphrasia sp./*Odontites verna* (eyebright/red bartsia)-CDG		–	1	–	–	–	–	–
Sherardia arvensis L. (field madder)-AD		–	1	–	1	–	–	–
Cruciata laevipes Opiz (crosswort nutlet)-GoWY		–	1	–	–	–	–	–
Sambucus nigra (elder seed)-*HSW		–	–	2	–	–	1	1
Centaurea sp. (cornflower, knapweed embryo)-CG		–	3	–	–	1	–	–
Juncus sp. (rush stem frags)-dGM		–	–	6	–	–	–	–
Carex sp. (sedge nutlet)-dGM		–	–	–	1	–	1	2
Straw frags		–	2	3	–	–	–	–
Poaceae stem frags		–	–	8	6	–	–	–
Rootlets		–	–	–	1	–	3	–
Indeterminate frags		–	4	6	1	–	–	–
Arthropod fragments								
Millipede frags		7	–	3	22	–	6	7
Puparia		–	–	5	–	–	–	2
?fly eggs		–	–	1	–	–	–	1
Worm cocoons		–	–	1	2	–	–	1
	Total:	7	20	55	35	2	12	14

Key to habitats: * = edible; A = arable; C = cultivated; D = disturbed/waste ground; G = grassland; H = hedgerows; M = marsh, bogs; oW = open woodland, clearings & margins; Y = waysides; d = damp/wet soils; n = nutrient-rich soils

Feature types: d = ditch terminus; g = gully; l = layer; p = pit; w = well?

TABLE 13 Mollusc data

Period	Prehistoric							R-B: III					
Feature	palaeochannel 1287 (Area 2)							channel 3256 (Area 3)					
Context	1284	1284	1284	1251	1251	1251	1251	3005	3230	3230	3238	3245	3234
Depth (cm)	43–53	33–43	29–33	23–29	13–23	3–13	0–3	97	92	90	10	10	
Wt (g)	276	283	328	220	385	343	354	1650	2000	2000	2000	2000	2000
LAND													
Carychium minimum Müller	1	2	1	–	–	–	–	–	–	–	3	–	1
Carychium cf *minimum* Müller	–	–	–	1	–	–	–	–	1	–	–	–	–
Carychium tridentatum (Risso)	–	–	–	–	–	–	–	1	–	1	1	1	11
Carychium spp.	–	–	–	–	–	–	–	–	–	3	1	–	5
Succinea putris (Linnaeus)	1	2	1	1	7	2	4	–	1	8	9	5	19
Oxyloma pfeifferi (Rossmässler)	3	3	–	–	4	–	–	2	3	3	5	3	6
Cochlicopa lubrica (Müller)	–	–	–	–	–	–	–	–	–	2	3	–	3
Cochlicopa spp.	1	1	–	–	–	–	–	1	2	2	3	6	16
Vertigo moulinsiana (Dupuy)	–	–	–	–	–	–	–	–	–	–	1	–	–
Vertigo spp.	–	–	–	–	–	–	–	–	–	–	–	1	–
Pupilla muscorum (Linnaeus)	–	–	–	–	–	–	–	1	2	1	3	3	5
Vallonia costata (Müller)	–	–	–	–	–	–	–	3	–	2	10	18	19
Vallonia pulchella (Müller)	3	10	1	–	2	–	2	2	1	4	12	16	22
Vallonia excentrica Sterki	–	–	–	–	–	–	–	–	–	–	–	–	6
Vallonia spp.	–	–	–	–	–	–	–	–	–	1	–	2	–
Discus rotundatus (Müller)	–	–	–	–	–	–	–	–	1	–	4	–	1
Vitrea contracta (Westerlund)	–	–	–	–	–	–	–	–	–	1	3	–	2
Nesovitrea hammonis (Ström)	–	–	–	–	–	–	–	–	1	–	–	1	1
Aegopinella nitidula (Draparnaud)	–	–	–	–	–	–	–	–	3	3	6	1	7
Oxychilus cellarius (Müller)	–	–	–	–	–	–	–	–	1	2	–	–	2
Zonotoides nitidus (Müller)	–	–	–	–	–	–	–	–	–	1	17	1	15
Limacidae	1	–	–	–	–	–	1	7	4	7	8	15	6
Helicella itala (Linnaeus)	–	–	–	–	–	–	–	2	2	–	–	–	–
Ashfordia granulata (alder	–	–	–	–	–	–	–	4	3	3	4	2	–
Trichia striolata (C. Pfeiffer)	–	–	–	–	–	–	–	–	1	4	25	16	20
Trichia hispida (Linnaeus)	–	–	1	–	1	–	–	3	22	10	59	64	51
Arianta arbustorum (Linnaeus)	–	–	–	–	–	–	–	–	–	1	1	–	–
Cepaea/Arianta spp.	–	–	–	–	–	–	–	–	3	2	7	7	10
Terrestrial taxa	6	5	4	2	3	1	3	10	15	17	19	15	19
Terrestrial total	10	18	4	2	14	2	7	26	51	61	185	162	228
FRESH-/BRACKISH-WATER													
Theodoxus fluviatilis (Linnaeus)	–	–	–	–	–	–	–	–	–	–	–	–	1
Valvata cristata Müller	6	5	6	8	66	185	39	3	8	49	20	5	9
Valvata piscinalis (Müller)	19	11	7	–	45	12	2	–	–	–	–	–	3
Bithynia tentaculata (Linnaeus)	34	33	11	34	87	148	45	77	43	28	20	4	36
Bithynia tentaculata – operculum	(21)	(30)	(26)	(76)	(358)	(490)	(505)	(303)	(253)	(95)	(62)	(9)	(87)
Bithynia leachii (Sheppard)	5	6	7	–	35	85	10	4	3	2	3	–	2

Period	Prehistoric							R-B: III					
Feature	palaeochannel 1287 (Area 2)							channel 3256 (Area 3)					
Context	1284	1284	1284	1251	1251	1251	1251	3005	3230	3230	3238	3245	3234
Depth (cm)	43–53	33–43	29–33	23–29	13–23	3–13	0–3	97	92	90	10	10	
Wt (g)	276	283	328	220	385	343	354	1650	2000	2000	2000	2000	2000
Aplexa hypnorum (Linnaeus)	–	–	–	–	–	–	–	–	–	1	1	–	–
Lymnaea truncatula (Müller)	–	3	–	1	–	2	3	1	5	5	8	8	7
Lymnaea glabra (Müller)	–	–	–	–	–	3	1	3	–	–	2	–	–
Lymnaea plaustris (Müller)	–	–	–	–	–	1	–	–	–	1	–	–	4
Lymnaea stagnalis (Linnaeus)	–	–	–	–	6	–	–	–	–	–	–	–	1
Lymnaea peregra (Müller)	–	–	–	–	–	–	1	–	–	1	2	–	4
Planorbis planorbis (Linnaeus)	1	5	–	3	89	106	12	–	–	–	–	1	15
Planorbis carinatus Müller	–	–	–	–	–	–	–	2	10	20	16	–	–
Anisus leucostoma (Millet)	–	1	–	–	–	2	3	–	2	12	9	4	7
Anisus vortex (Linnaeus)	–	–	–	–	–	1	2	–	–	–	–	–	2
Bathyomphalus contortus (Linnaeus)	4	–	2	1	59	22	1	–	–	–	7	–	4
Gyraulus albus (Müller)	1	2	–	–	41	18	13	–	–	–	–	–	4
Gyraulus crista (Linnaeus)	–	–	–	–	1	14	–	–	–	4	3	–	5
Hippeutis complanatus (Linnaeus)	2	2	–	2	43	12	2	–	11	4	3	–	4
Segmentina nitida (Müller)	–	–	–	–	4	–	–	–	–	–	–	1	12
Planorbarius corneus (Linnaeus)	–	–	–	–	–	–	–	19	29	11	6	–	22
Pisidium sp. (valves ÷ 2)	12	8	4	13	80	33	10	–	–	1	12	–	4
Fresh-/brackish-water taxa	9	10	6	7	12	15	14	7	8	13	14	6	19
Fresh-/brackish-water Total	84	76	37	62	556	644	144	109	111	139	112	23	146
Total	94	94	41	64	568	646	151	135	162	200	297	185	374
Magnetic susceptibility (SI x 10^{-8}/kg)	17	14	14	7	4	5	3						

TABLE 14 Summary of animal bone species by Area and period (excluding sieved samples)

	Horse	Cattle	Sheep/ Goat	Pig	Deer	Cattle-size	Sheep-size	Mammal	Dog	Cat	Lagomorph	Stoat	Small mammal	Fowl	Goose	Duck	Other Bird	Fish	Totals
Area 2 Prehistoric	–	1	1	1	1	5	–	–	–	–	–	–	–	–	–	–	–	–	9
Area 4	–	6	–	1	–	4	2	–	–	–	–	–	–	1	–	–	–	–	14
Prehistoric total	0	7	1	2	1	9	2	0	0	0	0	0	0	1	0	0	0	0	23
percent	0	30.4	4.3	8.7	4.3	39.1	8.7	0	0	0	0	0	0	4.3	0	0	0	0	
% cattle, sheep, pig		70.0	10.0	20.0															10
Area 2 R-B: I	17	82	120	24	–	217	168	25	3	–	–	–	–	4	–	6	2	1	669
Area 3	–	–	–	–	–	2	–	–	–	–	–	–	–	–	–	–	–	–	2
Area 4	1	114	50	14	–	91	59	22	2	–	–	–	–	6	–	–	–	–	359
Area 5	–	38	3	3	–	58	6	1	1	–	–	–	–	–	–	–	–	–	110
R-B: I total	18	234	173	41	0	368	233	48	6	0	0	0	0	10	0	6	2	1	1140
percent	1.6	20.5	15.2	3.6	0	32.3	20.4	4.2	0.5	0	0	0	0	0.9	0	0.5	0.2	0.1	
% cattle, sheep, pig		52.2	38.6	9.2															448
Area 2 R-B: II	2	44	48	16	–	101	55	12	3	–	–	1	–	3	–	1	3	–	289
Area 3	–	1	1	–	–	1	6	–	–	–	–	–	–	–	–	–	–	–	9
Area 4	19	126	59	41	1	184	78	10	1	–	–	–	–	9	–	2	6	–	536
Area 5	1	195	28	23	1	209	34	11	–	–	–	–	–	2	1	–	1	–	506
R-B: II total	22	366	136	80	2	495	173	33	4	0	0	1	0	14	1	3	10	0	1340
percent	1.6	27.3	10.1	6.0	0.1	36.9	12.9	2.5	0.3	0	0	0.1	0	1.0	0.1	0.2	0.7	0	
% cattle, sheep, pig		62.9	23.4	13.7															582
Area 1 R-B: III	–	1	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	2
Area 2	30	139	44	17	–	240	74	15	6	–	1	–	–	–	2	2	1	–	571
Area 5	1	71	16	3	–	46	10	–	–	–	–	–	–	–	1	–	1	–	149
Area 3	12	117	31	36	–	192	34	10	1	–	–	–	1	1	–	1	1	–	437

	Horse	Cattle	Sheep/ Goat	Pig	Deer	Cattle-size	Sheep-size	Mammal	Dog	Cat	Lagomorph	Stoat	Small mammal	Fowl	Goose	Duck	Other Bird	Fish	Totals
Area 4	8	27	9	4	–	47	19	1	2	–	2	–	–	6	3	1	–	–	129
R-B: III total	51	355	100	60	0	525	138	26	9	0	3	0	1	7	6	4	3	0	1288
percent	4	27.6	7.8	4.7	0	40.8	10.7	2	0.7	0	0.2	0	0.1	0.5	0.5	0.3	0.2	0	
% cattle, sheep, pig		68.9	19.4	11.7															515
1 misc. R-B	1	1	1	–	–	1	–	–	1	–	–	–	–	–	–	–	–	–	5
2	11	60	94	22	–	69	39	5	1	–	1	–	–	5	–	1	–	–	308
3	–	28	17	10	–	67	12	–	3	–	–	–	–	–	1	1	–	–	139
4	–	5	5	3	–	11	9	–	1	–	–	–	–	1	–	–	–	2	37
5	–	78	18	13	–	88	25	10	1	–	–	–	–	8	–	2	3	–	246
Misc R-B total	12	172	135	48	0	236	85	15	7	0	1	0	0	14	1	4	3	2	735
percent	1.6	23.4	18.4	6.5	0	32.1	11.6	2.0	1	0	0.1	0	0	1.9	0.1	0.5	0.4	0.3	
% cattle, sheep, pig		48.5	38	13.5															355
2 R-B/med	3	17	15	6	–	47	5	2	–	–	–	–	–	–	–	–	–	–	95
4	–	2	–	–	–	2	–	–	–	–	–	–	–	–	–	–	–	–	4
R-B/med total	3	19	15	6	0	49	5	2	0	0	0	0	0	0	0	0	0	0	99
percent	3.0	19.2	15.2	6.1	0	49.5	5.1	2.0	0	0	0	0	0	0	0	0	0	0	
% cattle, sheep, pig		47.5	37.5	15.0															40
1 med	1	6	3	–	–	12	1	2	–	–	–	–	–	–	–	–	–	–	25
2	101	420	167	55	3	482	145	68	64	25	10	–	–	11	1	1	6	17	1586
3	19	141	38	25	–	282	52	22	3	–	1	–	–	3	–	–	1	–	587
4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0
5	–	36	9	3	–	25	5	5	–	–	–	–	–	–	–	1	1	–	85
Med total	121	613	217	83	3	801	203	97	67	25	11	0	0	14	1	2	8	17	2283
percent	5.3	26.9	9.5	3.6	0.1	35.1	8.9	4.2	2.9	1.1	0.5	0	0	0.6	0.04	0.1	0.4	0.7	
% cattle, sheep, pig		67.1	23.8	9.1															913

	Horse	Cattle	Sheep/ Goat	Pig	Deer	Cattle-size	Sheep-size	Mammal	Dog	Cat	Lagomorph	Stoat	Small mammal	Fowl	Goose	Duck	Other Bird	Fish	Totals
1 P–med	–	–	–	–	–	–	–	–	7	–	–	–	–	–	–	–	–	–	7
2	12	105	49	20	3	167	66	11	–	–	–	–	–	2	1	–	–	–	436
4	8	49	25	6	–	84	21	6	3	2	–	–	–	2	–	–	4	–	210
5	2	23	9	8	–	34	3	–	–	–	–	–	–	1	–	–	–	–	80
P-med total	22	177	83	34	3	285	90	17	10	2	0	0	0	5	1	0	4	0	733
percent	3.0	24.1	11.3	4.6	0.4	38.9	12.3	2.3	1.4	0.3	0	0	0	0.7	0.1	0	0.5	0	
% cattle, sheep, pig		60.2	28.2	11.6															294
1 undated	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1
2	2	17	4	3	–	21	7	–	–	–	–	–	–	1	–	–	–	–	55
3	–	2	–	–	–	2	3	–	–	–	–	–	–	–	–	–	–	–	7
4	–	16	11	7	–	52	6	7	–	–	–	–	–	4	–	–	–	–	103
5	–	4	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	5
eval	1	34	13	–	–	37	5	–	–	–	–	–	–	–	–	–	–	–	90
Total	3	74	28	10	0	113	21	7	0	0	0	0	0	5	0	0	0	0	261
percent	1.1	28.4	10.7	3.8	0	43.3	8.0	2.7	0	0	0	0	0	1.9	0	0	0	0	
% cattle, sheep, pig		66.1	25	8.9															112
Grand total	252	2017	888	364	9	2881	950	245	103	27	15	1	1	71	10	19	30	20	7902
percentage overall	3.2	25.5	11.3	4.6	0.1	36.5	12	3.1	1.3	0.3	0.2	0.01	0.01	0.9	0.1	0.2	0.4	0.3	
% cattle, sheep, pig		61.5	27.3	11.2															3287

Two centuries of rubbish: excavations at an 18th and 19th century site at 12–18 Albert Embankment, Lambeth

KIERON TYLER

TABLE 1 Details of cesspits in period 5

Structure number	Location	Lining and dating, where possible	Notable features
Structure 2	South-west of site	brick, dated 1666–195●	circular
Structure 3	north of the site	brick	circular
Structure 4	immediately west of structure 3	brick	circular
Structure 5	immediately south of structure 4	brick	circular
Structure 6	South-west of structure 9	brick	circular
Structure 7	south of the site	brick, dated 17●●–19●●	circular
Structure 8	abutted the foundation of building 3	brick, dated 18●●–19●●	rectangular
Structure 9	North-east of structure 6	brick	circular
Structure 1●	east of the site	brick, dated 17●●–19●●	square
Structure 11	west of structure 1●	brick, dated 17●●–19●●	circular
Structure 12	North-east of structure 11	brick, dated 148●–19●●	circular
Structure 13	South-east of the site	brick, dated 17●●–19●●	circular
Structure 14	north of structure 13	brick, dated 17●●–19●●	circular
Structure 15	south of structure 14	brick	circular
Structure 16	North-east of the site, close to structures 1●, 11 and 12	brick, dated 17●●–19●●	circular
Structure 17	north of structure 14	brick	circular

TABLE 2 The composition of the ceramics in the Open Area 3 dump in period 3

Type	Form	Sub-types/decoration	Earliest date	Latest date
Tin-glazed ware kiln furniture	girder		*c* 1612	1800
	peg		*c* 1612	1800
	saggar	type 1 (U-shaped cut)	*c* 1612	1800
	saggar	type 2 (triangular peg holes)	*c* 1612	1800
	setter		*c* 1612	1800
	shelf	some with redware scarring and spills of glaze	*c* 1612	1800
	shelf	central circular cut	*c* 1612	1800
	trivet		1570	1800
Biscuit-fired tin-glazed ware	bowl		1570	1800
	chamber pot		*c* 1630	1800
	charger		1570	1800
	cup	pedestal	*c* 1700	1800
	dish	with footring	1570	1800
	jar	pedestal base	*c* 1700	1800
	jar		1570	1800
	jar	small	1570	1800
	jar	large	1570	1800
	lid	conical, could be bases from salts/vases	*c* 1630	1800
	mug		*c* 1630	1800
	ointment pot		*c* 1630	1800
	plate		*c* 1670	1800
	porringer		*c* 1630	1800
	punch bowl		*c* 1680	1800
	rounded dish		*c* 1630	1800
	stool pan		*c* 1680	1800
	wet drug jar		*c* 1630	1800
Tin-glazed ware	bowl	floral decoration	1570	1800
	bowl	Orton type J decoration (manganese ground panel) floral decoration	1735	1770
	chamber pot		1570	1800
	chamber pot	Orton type C decoration (plain white glaze)	1630	1800
	chamber pot	plain pale-blue glaze	1630	1800
	charger		1570	1800
	charger	Orton type A decoration (external lead glaze/wan li/blue/yellow)	1612	1650
	jar	horizontal banding	*c* 1612	1800
	jar	vertical blue and white stripes	*c* 1612	1800
	jar	Orton type C decoration (plain white glaze)	1630	1800
	jar	small: plain/vertical stripes	*c* 1612	1800
	jar	Orton type D decoration (external lead glaze/polychrome painted)	1630	1680
	jar	Orton type F decoration ('Chinamen in grasses')	1670	1690
	lid	teapot	*c* 1680	1800
	lid	Orton type C decoration (plain white glaze)	1630	1800
	mug	Orton type F decoration ('Chinamen in grasses')	1670	1690
	ointment pot		*c* 1612	1800
	plate		*c* 1670	1800
	plate	Orton type J decoration (manganese ground panel)	1735	1770

Type	Form	Sub-types/decoration	Earliest date	Latest date
	plate	Orton type I decoration (bianco-sopra-bianco)	1745	1770
	porringer		*c* 1630	1800
	punch bowl		*c* 1630	1800
	punch bowl	Orton type C decoration (plain white glaze)	1630	1800
Stoneware kiln furniture	pillow		1700	1900
	saggar		1700	1900
	spacer		1700	1900
Stoneware	bottle		1700	1900
	jar		1700	1900
	jar	white salt-glazed	1720	1780
	jar	storage	1700	1900
	jar	white salt-glazed cylindrical	1720	1780
	tankard	white salt-glazed	1720	1780
London-area post-medieval redware	bowl		1580	1900
	bowl	Concave-sided glazed internally	1580	1900
	bowl	handled glazed internally and externally	1580	1900
	bowl	shallow straight–sided glazed internally and externally	1580	1900
	dish		1580	1900
	dish	flared glazed internally	1580	1900
	flower pot	unglazed	1580	1900
	jar	glazed internally and externally	1580	1900
	jar	storage thumbed	1580	1900
	jug	glazed internally and externally	1580	1900
	lid	knobbed top	1580	1900
	pipkin		1580	1900
	porringer		1580	1900
	rounded bowl		1580	1900
	sugar mould		1580	1900
	urn	lots of apertures in base glazed internally	1580	1900
	urn	'bunghole jar' unglazed	1580	1900
	unidentified vessel	slipped redware with clear (yellow) glaze	1480	1650
Combed slipware	dish		1660	1870
Combed slipware	unidentified		1660	1870
Nottingham stoneware	unidentified		1700	1800
Staffordshire-type mottled brown-glazed ware	mug		1650	1800
Surrey/Hampshire border whiteware with clear (yellow) glaze	unidentified		1550	1700
Surrey/Hampshire border whiteware with green glaze	chamber pot		1550	1700
Frechen stoneware	unidentified		1550	1700
Montelupo maiolica	unidentified		1500	1700
Portuguese tin-glazed ware	unidentified		1600	1700
Westerwald stoneware with purple and blue decoration	unidentified		1665	1750

TABLE 3 Quantification and dating of clay tobacco pipe by feature

Feature	B\S\M*	Date range	TPQ	Comments
Structure 1	16\0\0	1780–1880	1840	likely date 1840–50
	1\11\1	1840–1880		
Structure 2	11\14\0	1820–1880	1840	
Structure 4	5\4\0	1820–1880	1840	likely date 1840–50
	3\0\0	1780–1840	1820	
Structure 11	33\2\0	1780–1910	1840	likely date of deposition 1840–60
Structure 14	3\0\0	1780–1840	1820	

*B\S\M = numbers of bowl, stem and mouthpiece fragments

Investigation of a Bronze Age mound on Thursley Common

DAVID GRAHAM, AUDREY GRAHAM and PATRICIA WILTSHIRE

TABLE 1 Stratigraphic descriptions and percentage values for all minor taxa

Depth (cm)	5	14	15	16	17	18	19	20	21	22	23	57	58	59	60	61	62	63	64	67	68	69	70	71	72	73	74	75	79	80	81	82	82.5	83	83.5	84	84.5	86
Stratigraphy																																						
Dark brown laminated sand	+																																					
Black organic sand		+	+	+	+	+	+	+	+	+	+																											
Dark brown lens of organic matter												+	+	+																								
Black organic layer															+	+	+																					
Black organic layer with leached sand																		+	+																			
Reddish mottled sand																				+	+																	
Greyish brown sand																						+	+	+	+	+	+	+										
Dark brown compacted sand/brown mottling towards base																													+	+	+	+	+	+	+	+	+	
Leached buff sand																																						+
Trees/Shrubs																																						
Pinus	2	1.7	1.9	–	–	–	1.5	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Salix	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	3.6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.7	–	–	–	–
Herbs	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Artemisia	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.7	–	–	–	–
Aster-type	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.9	–	0.8	1.2	2.1	
Campanula-type	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	0.9	–	0.8	–	1	
Galium	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
Lactuceae	–	–	–	–	1.7	–	–	–	–	–	–	–	–	–	–	–	1.4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	4.3	0.9	0.7	–	1.2	–
Potentilla-type	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Ranunculus	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1.1	–	–	–	–	–
Rumex	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1.4	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	7.5	4.6	2.0	4.8	3.5	6.3
Other herbs	–	–	–	–	1.7	–	–	–	–	–	–	–	–	–	–	–	2.8	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	12.7	8.4	5.4	6.4	5.8	9.4
Spore-formers																																						
Polypodium	2	–	–	–	3.5	1.7	–	–	–	–	–	3.1	1.6	–	–	–	1.4	1.5	–	–	1.6	–	–	–	1.7	1.4	–	–	–	–	–	–	2.1	0.9	0.7	–	–	–
Sphagnum	–	–	–	–	3.3	3.3	–	1.7	1.6	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	2.7	–	–	–	–	–	–
	BAND 1					BAND 2														BAND 3														BAND 4					

TABLE 2 Macrobotanical and other remains

Context no	110	115 (Pit)	Turf
Plant macrofossils			
Asteraceae indet.	xcf	–	–
Corylus avellana L.	–	xcf	–
Eleocharis sp.	–	–	xcf
Ericaceae indet. (stem)	x	x	xx
Ericaceae indet. (capsules)	x	x	–
Poaceae indet.	–	–	x
Charcoal	xx	xx	xx
Charred root/rhizome/stem	xx	xx	xx
Mineral replaced root/rhizome/stem	x	–	–
Indet. inflorescence frags.	–	–	x
Other material			
Black porous cokey material	–	x	–
Black tarry droplets	x	–	–
Ferrimanganiferous concretions	x	–	xx
Sample volume (litres)	6	11	1.5
Volume of flot (litres)	<0.1	0.1	<0.1
% flot sorted	100%	100%	100%

Key: x = present (0–10 specimens); xx = common (10–100 specimens)

The archaeology of industrial extraction from Banstead and Walton Heaths

COLIN BAGNALL

TABLE 1 Map details, location, probable origin and present condition of pits on Banstead and Walton Heaths
(P numbers refer to pit numbers on figure 1)

Pits are as shown on OS 1:2500, XXVI. 2 (northern part of survey area), published 1877 [A], 1896 [B], 1912 [C],
1914 [D], 1933 [E], and XXVI. 6 (southern part of survey area), published 1896 [F], 1914 [G] and 1934 [H]

Pit no	Map	TQ	Name	Approx acres[1]	Relative location on map; probable origin[2]; present condition
1	AB	2404 5613	Old Gravel Pit	0.199 m	W side of Brighton Rd, opp. Braggart's Pond. RTT (Constable 1822). Brighton Rd turnpike top-layer gravel. Vestigial, *c* 30 x 50m.
2	ABC	2399 5567	Gravel Pit	0.01 e	N side of Mill Rd, E of plantation. RTT, poss. EDHB. For Mill Rd? Filled.
3	ABC	2388 5558	Old Gravel Pit	0.03 e	S side of Mill Rd, W of plantation. RTT, poss. EDHB. For Mill Rd? Extant: sandy with flints, c 400m ^{2}
3a	AB	2382 5558	–	< 0.01 e	S side of Mill Rd, *c* 100m W of plantation. RTT, poss. EDHB. For Mill Rd? Extant, *c* 20m.^{2}
4	E	2318 5536	Gravel Pits	0.15 e	NE of earthwork, E of path, NE pit of 4. ERDC, ?1914–20. Almost filled.
4a	A	2317 5400	Sand Pit	< 0.01 e	S side of path Blue Ball–Walton Mill, easternmost of three sandpits. Building sand? Filled.
5	A	2310 5535	Sand Pit	< 0.01 e	S side of path Blue Ball–Walton Mill, middle pit of three sandpits. Building sand? Filled.
6	A	2299 5534	Sand Pit	< 0.01 e	S side of path Blue Ball–Walton Mill, westernmost of three sandpits. Building sand? Filled.
7	E	2311 5535	Gravel Pits	0.15 e	NE of earthwork, NW pit of four, contiguous to site of earlier P5. ERDC, ?1914–20. Extant? (Intensively worked area)
8	ABC	2320 5531	Gravel Pits	0.19 e	E of earthwork, E of path, northernmost of three. RTT for Dorking Rd turnpike. Enlarged before 1895 by ?RTT, Manor or EDHB. Extant? (Intensively worked area)
9	E	2316 5529	Gravel Pits	0.15 e	NE of earthwork, W of path, SW pit of four. ERDC, ?1914–20. Extant? (Intensively worked area)
10	ABC	2322 5527	Gravel Pits	0.09 e	E of earthwork, E of path, middle pit of three. RTT for Dorking Rd turnpike, or EDHB. Extant? (Intensively worked area)

Pit no	Map	TQ	Name	Approx acres[1]	Relative location on map; probable origin[2]; present condition
10a	E	2321 5529	Gravel Pits	0.07 e	E of earthwork, E of path, SE pit of four, contiguous to site of earlier P10. ERDC, ?1914–20. Partially filled.
11	BC	2309 5525	–	0.01 e	E of earthwork, W of path, westermnost of thee. RTT, Manor or EDHB. Extant, *c* 2m deep.
12	BC	2318 5524	–	0.05 e	E of earthwork, W of path, eastermnost of three. RTT, Manor or EDHB. Extant? (Intensively worked area)
13	ABC	2322 5525	Gravel Pits	0.09 e	E of earthwork, E of path, southermnost of three. RTT for Dorking Rd turnpike. Extended (P15) before 1895 by ?RTT, Manor or EDHB. Extant, *c* 3m deep.
14	BC	2314 5525	–	0.09 e	E of earthwork, W of path, middle pit of three. RTT, Manor or EDHB. Extant? (Intensively worked area)
15	BC	2325 5523	Gravel Pits	0.4 e	E of earthwork, E of path, southermnost of four. Extended part of P13 by RTT, Manor or EDHB. Extant, *c* 3m deep in intensively worked area.
16	ABC DE	2304 5520	–	0.05 e	S corner of earthwork. RTT for Dorking Rd turnpike, or Manor or EDHB. Extant: gravelly.
17	DE	2315 5520	Gravel Pit	0.5 e	ESE of earthwork, contiguous to site of earlier P12. Manor 1907. Extant, *c* 4m deep in intensively worked area.
18	BC	2409 5517	Old Gravel Pits	0.06 e	*c* 240m W of Brighton Rd, W of path, northermnost and smallest of three. RTT, Manor or EDHB. Extant, *c* 3m deep.
19	ABC	2412 5512	(1877) Old Gravel Pit	0.302 m	*c* 230m W of Brighton Rd, W of path. Largest of three 'Old Gravel Pits' 1896, 1912. Flints for Kingswood Church 1841? Or RTT, Manor, or EDHB. Extant: flints, gravel.
20	BC	2419 5512	Old Gravel Pits	0.15 e	*c* 170m W of Brighton Rd, E of path, eastermnost of three. RTT, Manor or EDHB. Extant (in area of many other depressions)?
21	ABC DE	2386 5497	Old Gravel Pit	0.486 m	*c* 550m W of Brighton Rd, *c* one-third of the way along Hogden Bottom. RTT or EDHB. Almost filled by BUDC 1950–64.
22	ABC	2429 5498	Old Gravel Pits	0.05 e	*c* 120m W of Brighton Rd, nr end of Hogden Bottom; eastern pit of pair (with P23) 1877, linked with P23b as Old Gravel Pits 1896, 1912; partly merged with P23a 1914. RTT or EDHB. Extant, *c* 6m deep.
23	ABC	2425 5495	(1877) Old Gravel Pits	0.12 e	*c* 155m W of Brighton Rd, nr end of Hogden Bottom; western pit of pair (with P22) 1877, 'Chalk Pit' 1896, partly merged with P23a 1914. Orig. poss. RTT but extended by Manor 1899–1923. Extant, partially filled.

Pit no	Map	TQ	Name	Approx acres[1]	Relative location on map; probable origin[2]; present condition
23a	DE	2427 5497	–	0.4 e	*c* 140m W of Brighton Rd, between path and enclosures; partly incorporates P22, P23. Manor, prob. 1899–1923. Extant: chalk (w. side) and gravel.
23b	ABC D	2435 5495	(1877) –	1.665 m	*c* 75m W of Brighton Rd, in enclosure; linked with P22 as Old Gravel Pits 1896, 1912; semi-circular line 1914; unmarked 1933
24	ABC DE	2298 5488	(1877) Old Chalk Pit	0.273 m	W side of Dorking Rd, WSW of Dowding Castle, in grounds of Pitt Cottage; unnamed 1896 on. RTT 1755 for Dorking Rd turnpike flints, or agricultural. Extant, 5–6m high.
25	ABC	2295 5480 – 2297 5480	as P26	as P26	W end of Hogden Bottom (P26) on W side of Dorking Rd
26	ABC	2303 5480 – 2423 5488	Old Gravel Pits	3.587 m	Hogden Bottom. RTT, later EDHB, ERDC. Extant, area of intensive working: fine gravel to large flints.
26a	BC	2327 5481 – 2317 5465	Gravel Pits	1.5 e	N of Gallops, N/S line both sides of path from Hogden Bottom, continued by P26b, five pits on OS. RTT, Manor or EDHB. Extant, shallow workings.
26b	F	2313 5455 – 2304 5430	Gravel Pits	2.25 e	N of Gallops, N/S line, continuation of P26a, one pit on OS. RTT, Manor or EDHB. Extant, 1–2m deep: loose, sandy.
27	BCD FG	2416 5479 – 2394 5422	Old Gravel Pit	2.5 e	N/S line, starts *c* 100m S of E end of Hogden Bottom. RTT, Manor or EDHB. Extant, intensive intermittent working *c* 370m x average 30m along bottom, incl. P30, P33, to TQ 2350 5376.
27a	BC	2421 5485	Gravel Pit	0.08 e	c 35m S of E end of Hogden Bottom. RTT, Manor or EDHB. Extant? (Intensively worked area)
27b	BC	2419 5479	Gravel Pit	0.04 e	*c* 90m S of E end of Hogden Bottom. RTT, Manor or EDHB. Extant? (Intensively worked area)
28	F	2315 5444	Gravel Pits	0.2 e	N of Gallops, *c* 65m E of P26b. RTT, Manor or EDHB. Filled (area of rough ground).
29	FGH	2328 5436	–	0.03	N of Gallops, *c* 210m E of P26b, circular. Prob. solution hollow, or poss. RTT, Manor or EDHB. Extant, *c* 1.5m deep, *c* 15m diam.
30	F	2389 5427	Old Gravel Pit	0.2 e	*c* 240m SW of N/S line, *c* 225m W of Banstead/ Kingswood parish boundary. RTT, Manor or EDHB. Extant, *c* 2m deep, *c* 50m,[2]
31	FGH	2288 5415	Gravel Pits	0.02 e	Just inside NW corner of Gallops, northern of two. RTT, Manor or EDHB. Extant, *c* 80m,[2] abuts P32. Prob. sand.
32	FGH	2286 5414	Gravel Pits	0.05 e	Just inside NW corner of Gallops, southern of two. RTT, Manor or EDHB. Extant, *c* 250m,[2] abuts P31. Has been lengthened since OS 1934. Prob. sand.

Pit no	Map	TQ	Name	Approx acres[1]	Relative location on map; probable origin[2]; present condition
33	F	2374 5413	–	.05 e	*c* 450m SW of N/S line, *c* 350m W of Banstead/ Kingswood parish boundary. RTT, Manor or EDHB. Extant, c 0.5m deep, partly filled. Shape altered since map F.
34	F	2400 5403	–	0.06 e	*c* 460m S of N/S line, *c* 90m W of Banstead/Kingswood parish boundary, on W side of path. Bowl–shaped, smooth grassy sides, no spoil – prob. solution hollow.
35	FGH	2353 5369	Old Gravel Pits	0.06 e	*c* 110m E of Walton/Banstead parish boundary, *c* 580m W of Banstead/Kingswood parish boundary, northernmost of three. RTT, EDHB, Manor or Ladbroke. Filled.
36	FGH	2353 5367	Old Gravel Pits	0.15 e	*c* 100m E of Walton/Banstead parish boundary, c 580m W of Banstead/Kingswood parish boundary, largest of three. RTT, EDHB, Manor or Ladbroke. Filled.
37	FGH	2347 5364	Old Gravel Pits	0.07 e	*c* 55m E of Walton/Banstead parish boundary, *c* 620m W of Banstead/Kingswood parish boundary, westernmost of three. RTT, EDHB, Manor or Ladbroke. Filled.
38	F	2377 5344	Old Gravel Pit	0.13 e	*c* 275m E of Walton/Banstead parish boundary, *c* 300m W of Banstead/Kingswood parish boundary. RTT, EDHB, Manor or Ladbroke. Extant, *c* 3m deep.
39	F	2346 5346	Old Gravel Pit	0.6 e	Contiguous to Walton/Banstead parish boundary. RTT, EDHB, Manor or Ladbroke. Extant, *c* 2m deep: flints, gravel.
40	FGH	2339 5328	Old Gravel Pit	0.02 e	*c* 190m E of Walton/Banstead parish boundary, *c* 90m N of path. RTT, EDHB, Manor or Ladbroke. Extant, *c* 1.5m deep: flints, gravel, clay. Very small pit abuts on S side.
41	ABC	2427 5520	Old Gravel Pit	0.658 m	W side of Brighton Rd, immed S of school. RTT (Rapley) 1755 for Tadworth Court–Hogden Bottom turnpike (*c* 8000 tons flints). Extant, reduced, partly filled, *c* 4m high: flints, coarse gravel.

[1] m = given on map; e = estimated

[2] BUDC = Banstead Urban District Council; EDHB = Epsom District Highways Board; ERDC = Epsom Rural District Council; RTT = Reigate Turnpike Trust

Prehistoric, Roman and post-medieval settlement at Glyn House, Ewell

DAN STANSBIE and DAVID SCORE

TABLE 1 Struck flint

	Area		Total
	Evaluation	Excavation	
Flake	75	127	202
Blade-like flake	–	11	11
Blade	3	10	13
Bladelet	–	3	3
Rejuvenation flake	1	4	5
Axe thinning flake	–	1	1
Axe sharpening flake	–	1	1
Irregular waste	12	8	20
Chip	6	959	965
Single platform flake core	2	2	4
Multi-platform flake core	2	2	4
Levallois flake core	–	1	1
Core on a flake	–	1	1
Unclassifiable core	1	–	1
Tested nodule	–	1	1
Retouched flake	1	4	5
End-and-side scraper	–	1	1
Thumbnail scraper	1	–	1
Unclassifiable scraper	–	1	1
Notch	1	–	1
Microlith	–	5	5
Barbed-and-tanged arrowhead	–	1	1
Total	105	1143	1248

TABLE 2 Flint by type from features

Category	Feature / Context	320 / 321	320 / 322	621 / 620	676 / 675	678 / 677	685 / 684	688 / 689	690 / 691	701 / 700	Total
Flake		9	55	19	21	12	42	3	7	11	179
Blade-like flake		–	–	2	–	1	4	–	1	1	9
Blade		1	2	–	3	1	–	2	–	1	10
Bladelet		–	–	–	–	–	1	–	–	2	3
Rejuvenation flake		–	–	–	–	–	2	–	1	–	3
Axe thinning flake		–	–	–	1	–	–	–	–	–	1
Axe sharpening flake		–	–	–	–	–	–	1	–	–	1
Irregular waste		–	8	2	–	1	4	–	–	1	16
Chip		–	6	47	–	28	884	–	–	–	965
Single platform flake core		–	1	1	–	–	–	1	–	–	3
Multi-platform flake core		–	2	–	–	–	–	1	–	–	3
Levallois flake core		–	–	–	–	–	–	–	1	–	1
Core on a flake		–	–	–	–	–	–	–	–	1	1
Unclassifiable core		–	1	–	–	–	–	–	–	–	1
Tested nodule		–	–	–	–	–	–	–	–	1	1
Retouched flake		–	1	–	3	–	–	–	–	–	4
Thumbnail scraper		–	1	–	–	–	–	–	–	–	1
Unclassifiable scraper		–	–	–	–	–	1	–	–	–	1
Notch		–	1	–	–	–	–	–	–	–	1
Microlith		–	–	1	–	–	3	–	1	–	5
Barbed-and-tanged arrowhead		–	–	–	–	–	1	–	–	–	1
Total		10	78	72	28	43	942	8	11	18	1210
Number of burnt flints		1	9	8	–	1	58	1	1	1	80
Number of broken flints		5	23	29	9	22	63	1	3	2	157

TABLE 3 Quantified summary of Roman pottery

Fabric	NRFC		No	Weight (g)
A11	South Spanish amphora (Dressel 20)	BAT AM	4	342
C10	Roman shell-tempered fabrics	ROB SH	2	29
E40	Early Roman shell-tempered fabrics	ROB SH	4	15
E80	Grog-tempered fabrics	SOB GT	2	187
F43	Central Gaulish colour-coated ware	CNG BS	1	1
F49	*Céramique à l' éponge*	EPO MA	1	3
F50	Colour-coated fabrics (major British general)		8	70
M20	Mortarium fabrics (white fabrics general)		1	17
M22	Oxfordshire white ware mortarium	OXF WH	1	64
O	Oxidized 'coarse' ware fabrics (Romanized)		3	17
Q20	White-slipped oxidized fabrics		2	12
Q30	White-slipped grey ware (HighgateWood)	HGW RE C	2	1
R10	Fine reduced greywares		15	84
R20	Sandy reduced greywares		28	302
R39	Alice Holt/Farnham reduced wares	ALH RE	234	4130
R40	Miscellaneous reduced fabrics		1	18
R50	Black surfaced fabrics (probably mainly Alice Holt)		19	255
R90	Coarse tempered fabrics (storage jar fabrics)		2	93
S30	Central Gaulish samian ware		10	109
S40	East Gaulish samian ware		1	10
W20	Sandy white fabrics		1	53
W21	Verulamium region whiteware	VER WH	10	125
Later prehistoric fabrics			2	12
Total			354	5949

TABLE 4 Condition of the animal remains

	Condition				
Date	1	2	3	4	Total
Mid-Roman	9.5%	69.5%	16.8%	4.2%	100.0%
Early Roman	19.5%	47.4%	33.1%	–	100.0%
Post-medieval	92.2%	5.8%	2.0%	–	100.0%
Unphased	15.4%	76.9%	7.7%	–	100.0%
Total	49.3%	34.5%	15.4%	0.9%	100.0%

TABLE 5 Total number of bones and teeth identified to species and date

	Pig	Cattle	S/G	Horse	Dog	Chicken	Bird	Unid	Total
Mid-Roman	3	18	18	2	1	–	–	53	95
Early Roman	2	29	17	–	1	–	1	104	154
Post-medieval	175*	3	4	8**	–	1	–	14	205
Unphased		2	2	–	–	–	–	9	13
Total	180	52	41	10	2	1	1	180	467

*174 fragments from a single pig burial
**7 fragments from single horse burial

TABLE 6 Quantity and distribution of animal bones from the Roman period

	Cattle	S/G	Pig	Horse	Dog	Bird	Unid	Total
Ditch	3	5	2	–	–	–	7	17
Pit	44	30	3	2	2	1	149	231
Posthole	–	–	–	–	–	–	1	1
Total	47	35	5	2	2	1	157	249

TABLE 7 Minimum number of individuals

	Cattle	S/g	Pig	Horse	Dog	Bird
MNI	3	4	2	1	1	1

TABLE 8 Age at death using tooth eruption and wear stages for cattle

	8 G–18 months	30–36 months	Adult	Senile
Number	1	1	2	1

TABLE 9 Withers heights of cattle

Element	Greatest length	Withers height
Metacarpal	188.5mm	1.15m
Tibia	348.5mm	1.20m
Metatarsal	201.5mm	1.10m

TABLE 10 Tooth eruption and wear stages of sheep/goat

	3–10 months	10–20 months	3–5 years	5–8 years
Number	1	2	1	2

TABLE 11 Distribution of post-medieval animal bone

	Pig	Horse	Cattle	S/g	Chicken	Unid	Total
Demolition layer 721	174*	1	–	1	–	1	177
Gully/ditch	–	–	1	–	–	–	1
Pit	1	7**	–	–	1	4	13
Garden feature	–	–	2	3	–	9	14
Total	175	8	3	4	1	14	205

*Single pig burial
**Segments from a single horse burial

TABLE 12 Results of the charred plant analysis

		Context no	684	677	620
		Sample no	600	601	602
		Volume of earth (l)	40	40	40
Cereal grain					
Triticum spelta	Spelt wheat		–	3	–
Triticum spelta/dicoccum	Spelt/Emmer wheat		–	–	11
Triticum cf. *aestivum/durum*	cf. bread/durum wheat		30	–	–
Triticum sp.	Wheat		11	12	6
Avena sp.	Oat		3	2	–
Hordeum sp.	Barley, hulled		6	3	–
Hordeum sp.	Barley		19	5	9
Cerealia indet.	Indeterminate grain		16	8	12
Cereal chaff					
Triticum spelta	Spelt wheat glume base		–	22	18
Triticum spelta/dicoccum	Spelt/emmer wheat glume base		–	28	16
Triticum sp.	Wheat spikelet base		2	–	–
Triticum sp.	Wheat rachis		–	–	1
Avena sp.	Oat, awn		–	3	–
Cerealia indet	Detached embryos		3	–	–
Cerealia indet	Coleoptile		–	1	–
Weeds					
Corylus avellana	Hazelnut shell		9	9	4
Persicaria maculosa/lapathifolia	Redshank. Pale persicaria		–	1	–
Rumex sp.	Dock		–	5	5
Vicia/Lathyrus	Vetches/Peas		9	4	–
cf. *Trifolium* sp.	Clover		–	4	–
Leguminoseae	Small legumes		1	–	–
cf. *Galium aparine*	Cleavers		1	–	–
Anthemis cotula	Stinking chamomile		–	3	1
Tripleurospermum inodorum	Scentless mayweed		–	1	3
Bromus cf. *secalinus*	Rye brome		–	5	10
Poaceae	Grass, small seeded		1	6	3
Indet.	Tuber		1	–	–
Indet.	Indeterminate weeds		5	2	–
Total remains			117	127	99