SURREY ARCHAEOLOGICAL COLLECTIONS, **98,** 2014 S1–S27

SUPPLEMENT

CONTENTS

Late prehistoric settlement and post-medieval industrial activity on the route of the A3 Hindhead Improvement Scheme

STEVE THOMPSON and ANDREW MANNING with contributions by CATHERINE BARNETT, JOHN CHANDLER, MICHAEL J GRANT, MATT LEIVERS, LORRAINE MEPHAM, DAVID NORCOTT, CHRIS J STEVENS and SARAH F WYLES

Table 4 Charred plant remains from the Middle/Late Bronze Age settlement (M15)

		Feature	3006	3006	40040	40146	40225
		Context	3008	3009	40041	40147	40226
		Sample	1	2	18	30	44
		Vol (l)	50	5	30	38	40
Cereals	***Common name***						
Hordeum vulgare L. sl (grain)	barley		4	5	27	2	5
Hordeum vulgare L. sl (rachiis frag)	barley		1	-	4	-	-
Hordeum vulgare L. sl (basal rachiis frag)	barley		-	-	-	1	-
Triticum cf *dicoccum* (Schübl) (grain)	emmer wheat		*3	1	3	1	1
Triticum cf *dicoccum* (Schübl) (glume base)	emmer wheat		10	12	4	1	3
Triticum cf *dicoccum* (Schübl) (spikelet fork)	emmer wheat		-	1	1	1	2
Triticum spelta L. (glume bases)	spelt wheat		-	1	-	-	-
Triticum dicoccum/*spelta* (grain)	emmer/spelt wheat		6	3	2	-	7
Triticum dicoccum/*spelta* (spikelet fork)	emmer/spelt wheat		7	7	1	1	1
Triticum dicoccum/*spelta* (glume bases)	emmer/spelt wheat		30	19	13	3	5
Triticum sp. (grain)	wheat		-	1	-	-	1
Cereal indet. (grains)	cereal		24	5	15	3	10
Cereal frag. (est. whole grains)	cereal		40	13	23	16	21
Cereal frags (basal culm node)	cereal		-	-	3	-	-
Other species							
Corylus avellana L. (fragments)	hazel		27 (2ml)	8 (1ml)	5 (1ml)	4 (1ml)	28 (2ml)
Chenopodium sp.	goosefoot		2	1	-	1	-
Persicaria lapathifolia/*maculosa* (L.) Gray/Gray	pale persicaria/redshank		3	1	-	-	-
Fallopia convolvulus (L.) À. Löve	black-bindweed		1	3	-	-	-
Rumex sp. L.	docks		4	-	-	-	-
Rumex acetosella group Raf.	sheep's sorrel		-	1	-	-	-
Erica cf *cinerea* capsule	bell heather		3	-	2	2	-
Crataegus monogyna Jacq.	hawthorn		-	1	-	-	1
Vicia L./*Lathyrus* sp. L.	vetch/wild pea		1	-	-	1	-
Medicago/*Trifolium* sp. L.	medick/clover		1	-	-	-	-
Medicago sp. L.	medick		-	-	1	2	-
Trifolium sp. L	clover		3	-	-	-	-

	Feature	3006	3006	40040	40146	40225
	Context	3008	3009	40041	40147	40226
	Sample	1	2	18	30	44
	Vol (l)	50	5	30	38	40
Genista sp. L./*Ulex* sp. L.	greenweed/gorse	-	-	-	1	-
Stachys arvensis L.	field woundwort	**1**	-	-	-	-
Veronica hederifolia L. (charred)	ivy-leaved speedwell	-	1	-	-	-
Galium sp. L. (small)	bedstraw	3	1	-	1	-
Brassicaceae (small indet.)	small grass seed	-	-		1	-
Poaceae basal culm node	grass	6	2	-	6	-
Poa/Phleum sp. L.	meadow grass/cats'-tails	1	-	-	-	-
Arrhenatherum elatius var. *bulbosum* (Willd) basal culm node	false oat-grass	-	-	-	1	-
Avena L./*Bromus* L. sp.	oat/brome grass	1	1	2	-	-
Small seed indet.		-	1	1	-	-
Bud		-	1	-	-	-

* = radiocarbon dated (table 1)

Table 5 Wood charcoal identifications from the Middle/Late Bronze Age settlement (M15)

Feature	3006	40192	40225
Context	3009	40194	40226
Sample	2	35	44
Charcoal 4/2mm	25/110ml	20/200ml	20/60ml
Alnus glutinosa	3	-	-
Betula sp.	-	-	2
Corylus avellana	9, ?2	-	7, 19 r*
Fraxinus excelsior	12	-	-
Pomoideae	4	-	5
Quercus sp.	63, 2 r	100	62
Unidentified	5	-	3
Total number frags used	100	100	100
Other remains	-	-	2 hazelnut shells

Key: r = roundwood; ? = compares favourably with; * = *c* 10 years

Table 6 Description of sediment sequence obtained from Core 2 in Boundless Copse, described according to Hodgson (1997). The surface of the core was at an altitude of 174.91m OD, located at SU 89960 36530.

Depth (m)	Full sediment description	Interpretation
0–0.39	5YR 2.5/2 dark reddish brown peat, common fine fleshy rootlets, some bits of bracken, also twigs/roundwood fragments up to 100mm. Abrupt boundary. Some large vertical roots (6–8mm diameter) found at 0.37–0.43 and 0.30m	Peat
0.39–0.68	5YR 2.5/2 dark reddish brown peat (but looks slightly redder than above), bottom 15cm oxidised and slightly darker (bottom of core section). Lots of fine fleshy rootlets, large chunk of wood at 0.66–0.69m. Some large vertical roots (6–8mm diameter) found at 0.37–0.43	Peat
0.68–0.73	Break in sequence between coring tubes	GAP
0.73–1.08	5YR 2.5/2 dark reddish brown peat. Lots of fine fleshy rootlets, small amount of sand in bottom few cm. Saturated. Abrupt to clear horizon.	Peat
1.08–1.17	10YR 3/3 dark brown sand, organic rich, occasional small stone, sharp to abrupt horizon. Within sediment were noted some large vertical roots penetrating into the underlying unit	Organic rich mineral horizon (colluviation)
1.17–1.20	10YR 2/2 very dark brown peat, with woody twigs, lots of rootlets. Abrupt boundary. Some angular stones 25mm	Peat
1.20–1.32	10YR 3/3 dark brown sand, organic rich, v common to abundant stones <30mm, slight darkening to basal 20mm. Clear boundary. Some large angular stones 30–40mm	Likely A horizon and start of peat initiation
1.32–1.45	2.5Y 5/3 light olive brown sand, abrupt boundary	E horizon
1.45–1.49	Darker horizon of sand, brown on initial cleaning turning rapidly dark grey within minutes. No visible plant remains. Likely sesquioxide rich B	Bs horizon
1.49–1.61	Gley 1 5/1 greenish grey fine to medium sand. Stonefree, some clay present	C/geology

Table 7 Radiocarbon dates obtained from peat deposits, Core 2, Boundless Copse (M9)

Depth (m)	Sample material	Lab code	$\delta^{13}C$ (‰)	Date BP	Calibrated date (2σ; 95.4%)
0.55	Waterlogged seeds (*Viola* sp., *Potentilla* cf *erecta*, *Carex* sp.)	SUERC-36567	-27.1	655±35	cal AD 1270–1400
0.91	Waterlogged seeds (*Montia fontana*, *Carex* sp., *Moehingia trinervia*, *Hydrocotyle vulgaris*, *Viola* sp., *Betula* sp.), *Alnus glutinosa* cone and male catkin	SUERC-36568	-25.0 *	700±35	cal AD 1250–1390
1.06	*Alnus glutinosa* twigwood	NZA-29067	-31.0	1284±35	cal AD 650–810
1.18	Bulk peat	NZA-29068	-29.6	1403±35	cal AD 580–680

Key: * = assumed $\delta^{13}C$

Table 8 Post-medieval wood charcoal identifications from Kilns 1 and 3

Feature	Kiln 1	Kiln 3
Context	15917	25519
Sample	49	53
Charcoal 4/2mm	90/70ml	30/30ml
Alnus glutinosa	2	-
Betula sp.	4	48 r*, 1 ? r
Corylus avellana	23, 8 r, 5 t	3
Fagus sylvatica	9, 3 ? r	16, 7 r
Fraxinus excelsior	3	2
Ilex aquifolium	2	?2
Juglans sp.	1, ?1	-
Pomoideae	16, 7 t	-
Quercus sp.	16, 2 r	9
Sambucus nigra	11	-
Ulmus sp.	1	-
Unidentified	1	3
Unidentified twigwood	10	9
Total no frags used	125	100
Other remains	-	7 thorns cf hawthorn/blackthorn

Key: R = roundwood; T = twigwood; ? = compares favourably with; * = 3–5yrs, one piece clearly coppiced: scar and two small branching fragments

Appendix 1: Fabric descriptions for Bronze Age pottery

FL1 sparse fine to very coarse poorly-sorted angular crushed calcined flint; moderate fine well-sorted micaceous quartz sand with red and black mineral grains, probably all naturally occurring.

FL2 moderate fine to very coarse poorly-sorted angular crushed calcined flint; micaceous sand with red and black mineral grains, probably naturally occurring.

FL3 common fine to very coarse angular crushed calcined flint; micaceous sand with red and black mineral grains probably naturally occurring.

FL4 common fine to very coarse poorly-sorted angular crushed calcined flint; some sub-angular and sub-rounded pebbles probably detrital; slightly micaceous.

FL5 abundant fine to coarse well-sorted angular crushed calcined flint; slightly micaceous sand matrix.

GR1 moderate medium to coarse sub-rounded grog; sparse fine to very coarse poorly sorted crushed calcined flint; micaceous sand matrix.

I01 moderate medium to very coarse iron oxides; sparse fine and medium crushed calcined flint; micaceous quartz sand matrix.

QU1 moderate fine well-sorted micaceous quartz sand with red and black mineral grains, probably all naturally occurring.

QU2 fine micaceous sand; occasional fine rounded quartz grains probably naturally occurring; occasional coarse angular crushed calcined flint probably accidental.

Recent archaeological work at St George's church, Borough High Street, Southwark

BRUCE WATSON with contributions by SALLY BADHAM, JEROME BERTRAM, IAN BETTS, NIGEL JEFFRIES, CRAIG J HALSEY, ADRIAN MILES, ALAN PIPE, NATASHA POWERS, BETH RICHARDSON, MARK SAMUEL, ROB SCAIFE and ANGELA WARDLE

Table 1 Radiocarbon dating results

Context		Height (m OD)	Sample type/method/ pre-treatment	Uncalibrated date (BP)	Calibrated date (2σ) (95% probability)
[1142]	BETA 29445	+0.90	Alder wood fragment/ AMS/acid and alkali washes	1980+/-30	Cal BC 40--Cal AD 80 (Cal BP 1990--1870)
[1143]	BETA 29446	+0.6	Humic soil/radiometric on total humin fraction/acid washes	2500+/-40	Cal BC 790--490 (Cal BP 2740--2440) and Cal BC 460--420 (Cal BP 2410--2370)

Table 2 Principal pollen types recovered from contexts [1143] and [1142]

Trees and shrubs	*Alnus* is most important with largely consistent values throughout (*c* 25%) with a maximum of 32 at the top of the profile. *Quercus* has slightly higher values in the lower part of the profile (1143) (to 18%) declining towards the top of the profile. Other trees that occur sporadically include *Betula*, *Pinus*, *Ulmus*, *Fagus* and *Fraxinus*. Shrubs comprise small numbers of *Corylus avellana* type and *Salix* and individual occurrences of *Rubus* type and *Calluna*.
Herbs	Herbs are dominant in all samples (60–70% of total). *Poaceae* are most important and increasing slightly upwards from (1143) to (1142) to 58%. Other diagnostic taxa include cereal pollen (to 2%) and a moderately diverse range of taxa of grassland/pastoral (*Poaceae, Plantago lanceolata, Centaurea* sp.) and disturbed (arable?) ground (*Brassicaceae, Chenopodiaceae, Polygonaceae* sp., *Plantago major* type, *Artemisia)*
Marsh	*Alnus* and *Salix* have been noted in trees/shrubs above. In addition there are small numbers of *Cyperaceae* (to 13%) in the lower part of the profile and occasional *Typha angustifolia* type (*Typha* and/or *Sparganium*), *Typha latifolia*, Iris and the fern *Osmunda regalis*. Occasional cysts of *Pediastrum* occur in the upper levels.
Spores	There are small numbers of *Pteridium aquilinum* (to 6%), *Monolete* (*Dryopteris* type) *Pteropsida, Polypodium* and Sphagnum moss. There are, however, slightly greater numbers of *Pteridium* and a peak of *Dryopteris* type in the basal context [1143]

Table 3 Selective dating evidence for Open Area 3, period 3 (for details of ceramic fabric codes see section on scope of the project)

Context	Date range (AD)	Pottery fabrics	Samian details	Other finds
[428] dumping	*c* 50–70	AHSU 2C, HWB 2A, 2A1–4, GROG 2A1–4		
[431] dumping	*c* 50–80	SAMLG RT9, SLOW 4A, VRG 4, ECCW 1B, GROG 2As		fragment of cast ribbed glass bowl <12>
[491] dumping	*c* 50–70	SAMMT DR15/17, EROX 3A	<35> Drag 27g Stamp: Rutaenus 4a, of La Graufesenque. AD 50–70	coin: irregular Claudius I (AD 45–*c* 65)
[554] gully fill	50–70	SAMLG DR29; SAMLG DRAG 29 DEC AD 50–70	two sherds, probably the same bowl	
[907] midden	*c* 50–80	SAMLG RT12, DR15–17, FMIC DR30, SAMLG DRAG 30 DEC		

Table 4 Selective dating evidence from Open Area 4, period 3

Context	Date range (AD)	Pottery fabrics	Samian details
[922] trample	*c* 50–100	SAMLG 4 DEC. SAMLG DRAG 29 DEC AD 50–70	
[935] gravel surface	*c* 60–75	SAMLG Drag 29	<56> Drag 29 or 30, Primus iii 30d of la Graufesenque

Table 5 Selective dating evidence from Open Area 5

Context	Date range (AD)	Pottery fabrics
[514] dump	*c* 50–100	HWB 2B, RDBK 1
[515] dump	*c* 50–100	ECCW 1, SAMLG

Table 6 Selective dating evidence from Open Area 6

Context	Date range (AD)	Pottery fabrics	Samian details	Other finds
[319] dump	*c* 50–100	VRW 4A (early form), SAMLG 6DR27. SAMLG DRAG 29 DEC AD 55–75	Drag 29: hare and hounds	
[325] dump	*c* 50–100	HWB 2A, SAMLG DRAG 29, *c* AD 50–70 (fourteen joining sherds)	Drag 29: style is that of an anonymous mould-maker whose bowls were regularly stamped by Bassus ii-Coelus and Niger ii	
[425] floor surfaces and trample	*c* 50–80	SAMLG 6DR24/25, 5DR17/18. SAMLG DRAG 29 DEC AD 50–70	Drag 29: drilled with hole for repair	
[426] brickearth floor	*c* 50–80	SLOWR 4A		
[708] trampled ash and charcoal spread				coins: Sestertius of Nero AD 64–68 and As [843] of Nero
[710] worn gravel surface	*c* 60/70–100	VRW 1B1/2 SAMLG		

Table 7 Selective dating evidence from Open Area 7

Context	Date range (AD)	Pottery fabrics
[435] ditch fill	*c* 60–100	VRW 1B1/2 SHL= 447; Also SAND 4K, VRG 2T, FINE 3B BDD. SAMLG DRAG 29 DEC *c* AD 50–70
[474] fire debris	*c* 60/70–120	FMIC 3 BDD
[479] dump	*c* 50–100	SAND 4 (early form)

Table 8 Selective dating evidence from Building 11

Context	Date range (AD)	Pottery fabrics
[400] dump	*c* 70–85	SAMLG DRAG 29 DEC AD 70–85
[405] dump	*c* 50–120,	AHSU 2C
[412] dump	*c* 70–85	SAMLG DRAG 29 DEC AD 70–85
[418] brickearth floor	*c* 70–170	HWC 4F

Table 9 Selective dating evidence from Open Area 8

Context	Date range	Pottery fabrics
[625] ditch fill	*c* AD 50–70	SAMLG. SAMLG DRAG 30 DEC AD *c* 50–70.
[652] hearth rakeout	*c* AD 70–170	HWC
[702] ditto	*c* AD 50–170	AMPH
[713] dumping	*c* AD 50–100	GROG 2V, RDBK
[731] hearth rakeout	*c* AD 50–100	dated by BLEG 3
[791] dumped daub	*c* AD 50–100	dated by HWB 2A

Table 10 Period 3 pottery assemblage by sherd count, weight and fabric, EVEs (Estimated Vessel Equivalents)

Fabric	Sherd count	% sherds	Weight (g)	% weight	EVEs	%EVEs
Alice Holt/Surrey ware (AHSU)	69	5.24%	1576	1.96%	1.36	5.83%
Amphora with black sand inclusions (AMPBS)	1	0.08%	90	0.11%	0.14	0.60%
Unsourced amphora fabric (AMPH)	30	2.27%	4322	5.37%	0	0.00%
Baetican Dressel 20 amphora fabric (BAET)	3	0.23%	270	0.34%	0	0.00%
Baetican early Dressel 20 fabric (BAETE)	329	24.98%	49368	61.34%	1.91	8.19%
Baetican Dressel 28 fabric (BAET3)	47	3.57%	3691	4.59%	0	0.00%
Black eggshell ware (BLEG)	1	0.08%	2	0.00%	0	0.00%
Camulodunum 189 amphora fabric (C189)	10	0.76%	181	0.22%	0	0.00%
Camulodunum 186 amphora fabric (CADIZ)	4	0.30%	604	0.75%	0.17	0.73%
Colchester white ware (COLWW)	1	0.08%	501	0.62%	0.24	1.03%
Eccles ware (ECCW)	18	1.37%	309	0.38%	1.24	5.32%
Early Roman micaceous sandy ware (ERMS)	6	0.46%	86	0.11%	0.61	2.62%
Early Roman oxidised ware (EROX)	4	0.30%	44	0.05%	0	0.00%
Early Roman sandy ware A (ERSA)	9	0.68%	389	0.48%	0.95	4.08%
Early Roman sandy ware A/B ERSA/B)	9	0.68%	237	0.29%	0.56	2.40%
Early Roman sandy ware B (ERSB)	4	0.30%	104	0.13%	0.22	0.94%
Early Roman sandy/iron-rich ware (ERSI)	1	0.08%	38	0.5%	0.09	0.39%
Unsourced fine reduced ware (FINE)	23	1.75%	232	0.29%	0.61	2.62%
Fine micaceous reduced ware (FMIC)	27	2.05%	216	0.27%	1.07	4.59%
Gillam 238 mortarium fabric G238	2	0.15%	183	0.23%	0.07	0.30%
Gaulish amphora fabrics (GAUL)	24	1.82%	1827	2.27%	0	0.00%
Pélichet 47/Dressel 30 amphora (GAUL1)	1	0.08%	167	0.21%	0	0.00%
Gaulish Dressel 2–4 amphora fabric (GAUL3)	1	0.08%	95	0.12%	0.15	0.64%
Pélichet 47/DR30 (highly micaceous) (GAUL4)	1	0.08%	70	0.09%	0	0.00%
Gallo-Belgic white ware (GBWW)	1	0.08%	14	0.02%	0	0.00%
Unsourced grog-tempered ware	190	14.43%	3561	4.42%	1.31	5.62%

(GROG)						
Unsourced grog/ shell-tempered (GROGSH)	4	0.30%	100	0.12%	0.17	0.73%
Hoo Island white-slipped ware (HOO)	23	1.75%	352	0.44%	0.18	0.77%
Highgate Wood ware B (HWB)	52	3.95%	1943	2.41%	2.58	11.07%
Highgate Wood ware C (HWC)	2	0.15%	22	0.03%	0.1	0.43%
Unsourced (?)imported fabrics (IMPT)	10	0.76%	123	0.15%	0.18	0.77%
London 555 amphora fabric (L555)	1	0.08%	97	0.12%	0	0.00%
N French/SE English oxidised ware (NFSE)	7	0.53%	209	0.26%	0	0.00%
North Kent grey ware (NKGW)	7	0.53%	140	0.17%	0.34	1.46%
North Kent shell-tempered ware (NKSH)	15	1.10%	878	1.00%	0.40	1.70%
Unsourced oxidised ware (OXID)	7	0.54%	126	0.16%	0	0.00%
Ring-and-dot beaker fabric (RDBK)	10	0.76%	159	0.20%	0.12	0.51%
Rhodian amphora fabrics (RHOD)	1	0.08%	17	0.02%	0	0.00%
Rhodian-style amphora (pink) fabric (RHOD1)	2	0.15%	369	0.46%	0	0.00%
Unsourced white-slipped ware (RWS)	11	0.84%	229	0.28%	0	0.00%
La Graufesenque samian (SAMLG)	105	7.97%	1678	2.08%	3.44	14.76%
Montans samian (SAMMT)	3	0.23%	41	0.05%	0.3	1.29%
Unsourced sand-tempered ware (SAND)	127	9.65%	2412	2.99%	1.77	7.59%
Unsourced shell-tempered ware (SHEL)	14	1.11%	1197	1.58%	0.37	1.60%
Sugar Loaf Court reduced ware (SLOWR)	6	0.46%	99	0.12%	0.38	1.63%
Verulamium region grey ware (VRG)	14	1.06%	453	0.56%	0.52	2.23%
Verulamium region white ware (VRW)	80	6.07%	1667	2.07%	1.76	7.55%
Total	1317	100%	80488	100%	23.31	100%

Table 11 Period 3 pottery assemblage by form

Form	% by sherd count
Miscellaneous or otherwise unidentified flagon (1)	6.08%
Flagon/jar (1/2)	1.06%
Ring-necked flagon with wide mouth (1B)	0.30%
Ring-necked flagon with flared mouth (1B2)	0.23%
Miscellaneous or unidentified jar (2)	11.25%
Jar or beaker (2/3)	0.68%
Jar or bowl (2/4)	0.53%
Bead-rimmed jar (2A)	5.62%
Bead-rimmed jar with simple thickened rim (2A1–4)	0.61%
Bead-rimmed jar with girth groove (2A5–6)	0.61%
Bead-rimmed jar with square-sectioned bead (2A7–8)	0.08%
Bead-rimmed jar with high round shoulder 2A12–13)	0.08%
Round-bodied jar with thickened or out-turned rim (2B)	1.29%
Necked jar with carinated shoulder and figure 7 rim (2C)	2.05%
Round-bodied necked jar with figure 7 rim (2D)	0.23%
Necked jar (2T)	0.91%
Storage jar (2V)	2.05%
Beaker (3)	2.13%
Butt beaker (3A)	0.99%
Ovoid beaker (3B)	0.53%
Everted-rimmed beaker (3C)	0.38%
Bowl (4)	1.59 %
Bowl/dish (4/5)	0.84%
Reed-rimmed bowl (4A)	0.46%
Dragendorff form 29 bowl (4DR29)	1.44%
Dragendorff form 30 bowl (4DR30)	0.15%
Bowl with curved walls and flat, hooked or folded rim (4F)	0.15%
‘Surrey' bowl (4K)	0.08%
Ritterling form 12 bowl (4RT12)	0.46%
Dish/platter (5)	0.99%
Dish with smooth external profile and internal mouldings (5A)	0.23%
Dish with external and internal moulding (5B)	0.30%

Dragendorff form 15/17 dish (5DR15/17)	0.68%
Dragendorff form 18 dish (5DR18)	1.06%
Cup (6)	0.23%
Dragendorff form 24/25 cup (6DR24/25)	0.23%
Dragendorff 27 cup (6DR27)	1.60%
Ritterling form 9 cup (6RT9)	0.15%
Mortarium (7)	0.08%
Early wall-sided mortarium (7EWAL)	0.08%
Hook-flanged mortarium (7HOF)	0.15%
Amphora (8)	8.66%
Camulodunum form 186 amphora (8C186)	0.30%
Camulodunum form 189 amphora 8C189	0.76%
Dressel 20 amphora (8DR20)	18.24%
Dressel forms 2–4 amphora (8DR2–4)	1.44%
Dressel form 28 (8DR28)	3.42%
Gauloise amphora (8G)	0.08%
Gauloise form 3 amphora (8G3)	0.08%
London form 555 amphora (8L555)	0.08%
Rhodian-type amphora (8RHOD)	0.23%
Miscellaneous forms (9)	6.00%
Lid (9A)	1.14%
Seria/dolium (9D)	0.08%
–	10.87%
Total	**100%**

Table 12 Period 3 pottery assemblage by form categories

Form	% by sherd count
Amphora	34.5%
Beaker	4.00%
Bowl	5.00%
Bowl/dish	0.84%
Bowl/jar	0.53%
Cup	2.20%
Dish	3.26%
Flagon	1.00%
Flagon/jar	1.06%
Jar	26.00%
Jar/beaker	0.68%
Lid	1.14%
Mortarium	0.30%
Dolium	0.08%
Other	19.41%
Total	**100%**

Table 13 Significant selected architectural stonework from the later medieval phase of St George's church (B14)

Type of material	Description	Other comments	Accession no
Reigate tracery moulding *c* 1375–1400	Trefoil mullion	From same window as <74>, saddlebar sockets at intervals of *c* 10 inches	<70>
?Caen stone Plinth moulding *c* 1350–1420	Probably part of lowest element plinth	Possibly part of internal funerary monument	<73>
Reigate tracery moulding *c* 1375–1400	Trefoil tracery with conjoined trefoliated archlets	Limewash on internal face	<74>
Reigate tracery moulding *c* 1375–1400	Vertical jamb with cusping	Complex tracery with primary and secondary cusping	<80>
Kentish Ragstone tracery mullion moulding *c* 1350	Cinquefoil tracery with groove for glazing	Supermullion with archlet springer	<88>
Kentish Ragstone tracery mullion moulding *c* 1350	Probably incorporated supermullions or arcuated peices	Badly battered and recut	<86>
Kentish Ragstone tracery mullion moulding *c* 1350	Jamb moulding	Corner of axial internal termination from which fillet projected	<91>
?Caen stone mullion *c* 1350–1400	No glazing groove		<93>
?Caen stone mullion *c* 1350–1400	Outer casement hollow	Double ogee tracery moulding	<96>
?Caen stone window drop arch *c* 1375–1400	Apex of drop arch with drip hollow and bead margin	Badly damaged	<107>
Reigate tracery moulding *c* 1375–1400	Part of cinquefoil archlet	Poor condition	<109>
Reigate tracery moulding *c* 1375–1400	Part of cinquefoil archlet	Archlet centre of 0.54m, and arcuated supermullion with centre of *c* 1.4m	<117>
Reigate tracery moulding *c* 1375–1400	Cinquefoil tracery archlet	Cut down when reused, probably same as <117>	<121>
Reigate tracery jamb *c* 1350–1400	Complete profile	Almost complete from same window as <93>	<122>
Reigate tracery jamb *c* 1350–1400	Complex tracery element with double cusping	Recut part of outer arch with centre of 1.74m	<123>
?Caen stone Plinth moulding *c* 1350–1420	Probably part of lowest element plinth	Possibly part of internal funerary monument	<73>

Table 14 Demographic summary by period

Period	Males	Females	All adults	Subadults	Total individuals
5	45	24	93	50	143
6	3	0	5	2	7
Total	48	24	98	52	150

Table 15 Significant architectural stonework from the Tudor phase of St George's church

Type of material	Description	Other comments	Accession no
Reigate arcade arch segment	Hollow chamfer probably black painted, remainder white	Partial	<84>
Reigate capital	Polygonal abacus fragment	Traces of whitewash	<98>
Reigate arcade capital *c* 1500	One corner of quatrefoil pier capital	Traces of whitewash	<127>
Reigate arcade arch segment	Hollow chamfer painted grey (undercoat?) scarlet top coat, remainder white	Virtually complete	<128>

Appendix 1: Illustrated Roman pottery catalogue

Fabric and form	Context	Land use	Fabric code
<P1> Eccles ware ring-necked flagon with wide mouth	[431]	OA3	ECCW 1B1
<P2> Eccles ware ring-necked flagon	[403]	B8	ECCW 1B
<P3> Alice Holt/Surrey ware flagon	[380]	B8	AHSU 1
<P4> Highgate Wood ware B bead-rimmed bowl with simple thickened rim	[428]	OA3	HWB 2A1–4
<P5> Highgate Wood ware B bead-rimmed bowl with simple thickened rim	[424]	OA4	HWB 2A1–4
<P6> Highgate Wood ware B bead-rimmed bowl	[380]	B8	HWB 2A
<P7> Highgate Wood ware B bead-rimmed bowl	[325]	OA6	HWB 2A
<P8> Unsourced grog-tempered ware bead-rimmed bowl with simple thickened rim	[428]	OA3	GROG 2A1–4
<P9> Unsourced grog-tempered ware bead-rimmed bowl with simple thickened rim	[431]	OA3	GROG 2A1–4
<P10> Unsourced shell-tempered ware bead-rimmed bowl	[461]	S1	SHEL 2A
<P11> North Kent shell-tempered ware jar	[290/275]	OA8	NKSH 2
<P12> Early Roman sandy iron-rich ware bead-rimmed jar with square sectioned bead	[1160]	OA3	ERSI 2A7–8
<P13> Early Roman sandy ware A/B bead-rimmed jar with girth groove	[403]/398]	B8	ERSA/B 2A5–6
<P14> Early Roman sandy ware A/B bead-rimmed jar with girth groove	[844]	B3	ERSA/B 2A5–6
<P15> Alice Holt/Surrey ware necked jar with carinated shoulder and figure 7 rim	[428]	OA3	AHSU 2C
<P16> Verulamium region grey ware necked jar	[431]	OA3	VRG 2T
<P17> Verulamium region grey ware necked jar	[435]	OA7	VRG 2T
<P18> North Kent grey ware round-bodied jar with thickened or out-turned rim	[431]	OA3	NKGW 2B
<P19> North Kent grey ware round-bodied jar with thickened or out-turned rim	[431]	OA3	NKGW 2B NCD
<P20> Verulamium region white ware beaker or jar	[1068]	OA3	VRW 2/3
<P21> Unsourced fine reduced ware ovoid beaker	[1068]	OA3	FINE 3B
<P22> Unsourced fine reduced ware butt-beaker	[491]	OA3	FINE 3A
<P23> Verulamium region white ware butt-beaker	[446]	OA6	VRW 3A

Fabric and form	Context	Land use	Fabric code
<P24> Verulamium region white ware beaker	[398]	OA11	VRW 3
<P25> Early Roman oxidised ware butt-beaker	[491]	OA3	EROX 3A
<P26> Sugar Loaf Court ware ovoid beaker	[631]	OA9	SLOW 3B
<P27> Verulamium region white ware reed-rimmed bowl	[319]	OA6	VRW 4A
<P28> Verulamium region grey ware bowl	[431]	OA3	VRG 4
<P29> Sugar Loaf Court reduced ware reed-rimmed bowl	[426]	OA6	SLOWR 4A
<P30>Unsourced sand-tempered ware 'Surrey' bowl	[435]	OA7	SAND 4K
<P31> Unsourced sand-tempered ware bowl	[491]	OA3	SAND 4
<P32> Unsourced fine reduced ware bowl	[907]	OA3	FINE 4
<P33> Unsourced fine reduced ware Dragendorff form 29 bowl	[907]	OA3	FINE 4DR29
<P34> Early Roman sandy ware A/B dish with internal moulding	[743]	OA6	ERSA/B 5B
<P35> Unsourced sand-tempered ware dish with internal moulding	[491]	OA3	SAND 5B
<P36> Unsourced fine reduced ware dish	[428]	OA3	FINE 5
<P37> Colchester white ware early wall-sided mortarium	[1126]	OA4	COLWW 7EWAL
<P38> Shell-tempered ware hook-flanged mortarium	[403]	B8	SHEL 7HOF
<P39> North Kent shell-tempered ware seria	[556]	OA3	NKSH 9D

Appendix 2: Burial catalogue for periods 5 and 6

Period	Context	Preserv-ation	Estimated % complete	Age	Sex	Gross pathology	General comments
5	218	moderate	80	adult	probable male	–	–
5	222	moderate	90	adult	male	Schmorl's nodes, ante-mortem tooth loss, calculus	–
5	229	poor	5	adult	undeter-mined	–	–
5	232	moderate	65	adult	prob male	Myostitis ossificans in the right proximal femur, ante-mortem tooth loss, calculus	–
5	235	moderate	40	adult	undeter-mined	–	–
5	256	moderate	10	adult	undeter-mined	–	–
5	257	poor	5	adult	male	–	–
5	258	moderate	10	adult	undeter-mined	–	–
5	280	moderate	80	< 7 years	–	–	–
5	283	moderate	95	7–12 years	–	Calculus	–
5	296	moderate	40	sub-adult	–	–	–
5	297	moderate	90	adult	prob male	Intervertebral disc disease, dental caries, calculus	–
5	298	good	40	sub-adult	–	–	–
5	307	moderate	75	adult	female	Malformed mandible with possible healed condylar fracture, ante-mortem tooth loss, calculus, periodontal disease	–
5	308	poor	20	sub-adult	–	–	–
5	309	poor	50	perin-ate	–	–	–
5	311	moderate	85	adult	male	Schmorl's nodes, vertebral osteophytes, ante-mortem tooth loss, calculus, periodontal disease	–
5	312	poor	75	adult	prob female	Ante-mortem tooth loss	–
5	313	poor	65	adult	prob female	Healed greenstick fracture of the right humerus with shortening of the limb	–
5	314	moderate	80	adult	male	Possible Paget's disease, cervical osteoarthritis, dental caries, ante-mortem tooth loss, calculus, periodontal disease	intrusive female torso elements
5	316	poor	5	adult	undeter-mined	–	–
5	327	moderate	75	adult	male	Schmorl's nodes, Intervertebral disc disease, cervical osteoarthritis, ante-mortem tooth loss, calculus, periodontal disease	intrusive neonate right femur

Period	Context	Preserv-ation	Estimated % complete	Age	Sex	Gross pathology	General comments
5	329	moderate	80	< 7 years	–	–	intrusive adult torso fragments
5	331	moderate	55	adult	male	Intervertebral disc disease, vertebral osteophytes, cervical osteoarthritis, healed fracture of left clavicle, dental caries, calculus	–
5	333	moderate	90	7–12 years	–	Cribra orbitalia	–
5	334	moderate	35	adult	inter-mediate	–	–
5	337	poor	60	adult	female	Large osteoma on the left parietal, dental caries, ante-mortem tooth loss, calculus, periodontal disease	intrusive adult feet and fragments
5	342	poor	90	adult	prob female	Intervertebral disc disease, vertebral osteophytes, ante-mortem tooth loss, calculus	–
5	343	good	90	7–12 years	–	Calculus	–
5	344	moderate	20	adult	undeter-mined	–	–
5	345	moderate	45	adult	undeter-mined	–	–
5	346	moderate	80	adult	male	Schmorl's nodes, vertebral osteophytes, intervertebral disc disease, ante-mortem tooth loss, calculus	intrusive infant left femur
5	347	moderate	95	7–12 years	–	–	–
5	348	moderate	80	< 7 years	–	–	–
5	357	poor	20	adult	prob female	–	–
5	362	moderate	60	< 7 years	–	–	–
5	363	moderate	65	adult	prob male	Schmorl's nodes, dental caries, ante-mortem tooth loss	iron nail adhering to right temporal
5	366	poor	10	adult	undeter-mined	–	–
5	369	moderate	85	7–12 years	–	Cribra orbitalia, enamel hypoplasia	–
5	370	moderate	30	sub-adult	–	–	–
5	371	moderate	35	adult	male	–	intrusive infant left femur
5	374	moderate	95	adult	female	Cribra orbitalia, dental caries, ante-mortem tooth loss, calculus, dental abscess	–
5	376	moderate	30	adult	undeter-mined	–	–
5	377	good	95	adult	male	Dental caries, calculus	–
5	378	moderate	45	adult	female	–	–
5	383	good	80	adult	male	Schmorl's nodes, calculus, periodontal disease	–

Period	Context	Preserv-ation	Estimated % complete	Age	Sex	Gross pathology	General comments
5	384	moderate	40	adult	prob male	Schmorl's nodes, intervertebral disc disease, vertebral osteophytes, dental caries, ante-mortem tooth loss, calculus, periodontal disease, dental abscess	–
5	389	moderate	75	adult	female	Intervertebral disc disease	–
5	391	moderate	80	adult	male	Schmorl's nodes	–
5	393	good	35	13–16 years	–	–	–
5	397	moderate	70	adult	female	Calculus	intrusive infant left femur, neonate right petrous temporal
5	399	moderate	80	adult	male	DISH	–
5	415	moderate	5	adult	undeter-mined	–	–
5	419	moderate	10	adult	undeter-mined	–	–
5	420	moderate	10	sub-adult	–	–	–
5	442	moderate	30	sub-adult	–	–	intrusive adult right temporal
5	622	moderate	95	< 7 years	–	–	–
5	633	poor	30	adult	prob female	Cervical osteoarthritis	–
5	634	moderate	80	adult	female	Schmorl's nodes, intervertebral disc disease, spondylolysis (bilateral) fourth lumbar vert., ante-mortem tooth loss, calculus	intrusive neonate left temporal
5	635	moderate	30	adult	male	Schmorl's nodes	–
5	636	moderate	60	adult	female	spondylolysis (bilateral)	–
5	637	moderate	85	7–12 years	–	Enamel hypoplasia	intrusive adult left humerus
5	638	good	90	< 7 years	–	Cribra orbitalia	–
5	639	poor	20	sub-adult	–	–	–
5	640	moderate	50	adult	female	Dental caries, ante-mortem tooth loss	intrusive adult left humerus, subadult ilium
5	641	good	80	adult	prob female	Vertebral osteophytes, cervical osteoarthritis, ante-mortem tooth loss, calculus, enamel hypoplasia	–
5	642	moderate	50	7–12 years	–	–	–
5	665	moderate	25	7–12 years	–	Cribra orbitalia	–
5	666	good	15	sub-adult	–	–	–
5	667	moderate	80	sub-adult	–	–	–
5	668	moderate	95	7–12 years	–	–	–
5	669	good	60	sub-adult	–	Active rib lesions, endocranial lesions	–
5	670	moderate	60	adult	male	Osteoarthritis right wrist, intervertebral	intrusive infant left arm, tibia and

Period	Context	Preserv-ation	Estimated % complete	Age	Sex	Gross pathology	General comments
						disc disease, spondylolysis (bilateral)	vertebrae
5	671	moderate	80	adult	prob male	Schmorl's nodes, intervertebral disc disease, cribra orbitalia, tibial periositis, dental caries, ante-mortem tooth loss, calculus	intrusive adult right femur, infant left ilium
5	672	moderate	75	7–12 years	–	Endocranial lesions	–
5	673	moderate	45	adult	prob male	Schmorl's nodes, cervical osteoarthritis, dental caries, ante-mortem tooth loss, calculus	–
5	674	moderate	70	< 7 years	–	–	–
5	675	moderate	70	< 7 years	–	–	–
5	676	moderate	5	adult	undeter-mined	–	–
5	677	moderate	20	adult	undeter-mined	–	–
5	678	good	85	adult	male	Schmorl's nodes, severe enamel hypoplasia, ante-mortem tooth loss, calculus	intrusive infant vertebra and orbital fragment
5	679	poor	60	adult	prob female	Ante-mortem tooth loss, calculus, periodontal disease	–
5	680	poor	45	< 7 years	–	–	intrusive subadult right humerus
5	685	moderate	20	adult	undeter-mined	–	–
5	687	moderate	20	< 7 years	–	–	–
5	689	good	30	sub-adult	–	–	–
5	698	moderate	80	7–12 years	–	–	mixed infants – intrusive legs and pelvis, mixed torso
5	703	moderate	80	7–12 years	–	Cribra orbitalia	–
5	706	moderate	20	adult	prob male	Calculus	–
5	707	moderate	20	< 7 years	–	Severe cribra orbitalia	–
5	715	moderate	35	adult	male	Ossified haematoma left femur, probable DISH	intrusive infant fibula
5	716	moderate	40	adult	prob male	Dental caries, calculus, dental abscess	–
5	726	moderate	30	< 7 years	–	–	–
5	727	moderate	40	< 7 years	–	Healed porotic hyperostosis	intrusive neonate humerus and torso elements
5	728	moderate	10	sub-adult	–	–	–
5	735	moderate	20	< 7 years	–	–	–
5	736	moderate	15	sub-adult	–	–	–
5	744	moderate	65	adult	male	–	intrusive infant right arm
5	746	moderate	60	< 7 years	–	–	–

Period	Context	Preserv-ation	Estimated % complete	Age	Sex	Gross pathology	General comments
5	765	good	90	adult	prob female	Dental caries, ante-mortem tooth loss, enamel hypoplasia, dental abscess	copper-alloy stain left temporal
5	766	moderate	40	< 7 years	–	–	intrusive neonate femur and infant left arm
5	775	good	50	adult	undeter-mined	Vertebral osteophytes, intervertebral disc disease	–
5	785	moderate	95	adult	prob male	Diffuse periostitis long bones (active), ante-mortem tooth loss, calculus, dental abscess	–
5	815	moderate	90	adult	male	Schmorl's nodes, healed fractures of the distal left radius and ulna, and proximal right fibula, calculus	intrusive infant fragments
5	820	moderate	75	adult	prob female	Rampant caries, healed fracture of the left radial shaft with atrophic non-union, dental caries, calculus	–
5	826	moderate	45	adult	male	Osteitis distal right tibia	–
5	827	moderate	70	13–16 years	–	–	–
5	848	moderate	75	sub-adult	–	–	–
5	856	moderate	50	adult	undeter-mined	–	intrusive subadult right humerus
5	857	poor	55	adult	male	Intervertebral disc disease, vertebral osteophytes, cervical osteoarthritis, cribra orbitalia, infectious spread from dental abcess, dental caries, ante-mortem tooth loss, calculus, periodontal disease, dental abscess	–
5	859	moderate	95	adult	male	Vertebral osteophytes, intervertebral disc disease, cervical osteoarthritis, symphalangism (foot), enthesophytes on the right calcaneus and talus, and greater trocahter (bilateral), possible healed trepanation, dental caries, ante-mortem tooth loss, calculus, periodontal disease, dental abscess(s)	intrusive neonate left tibia
5	863	moderate	60	adult	male	Possible resolved rickets	fusion just completed
5	866	moderate	40	adult	undeter-mined	Tibial periostitis (healed)	–
5	867	moderate	95	adult	male	Schmorl's nodes, intervertebral disc disease, vertebral	–

Period	Context	Preserv-ation	Estimated % complete	Age	Sex	Gross pathology	General comments
						osteophytes, cervical osteoarthritis, Paget's disease, healed rib fractures, dental caries, ante-mortem tooth loss, calculus, periodontal disease	
5	868	moderate	65	adult	prob female	Intervertebral disc disease, vertebral osteophytes	–
5	879	moderate	45	adult	prob female	Vertebral osteophytes	–
5	881	good	25	sub-adult	–	–	–
5	886	moderate	85	adult	male	–	–
5	890	moderate	15	adult	undeter-mined	Cervical osteoarthritis	intrusive subadult left tibia
5	897	moderate	75	adult	male	Schmorl's nodes, intervertebral disc disease, ante-mortem tooth loss, calculus	–
5	901	moderate	10	adult	undeter-mined	Possible gout, healed tibial periostitis	–
5	917	good	45	adult	prob female	Schmorl's nodes, cribra orbitalia	–
5	926	good	95	13–16 years	–	–	intrusive adult left arm
5	929	moderate	30	adult	undeter-mined	Osteoarthritis right hip, bilateral talo-crural and talo-calcaneal joints	intrusive adult left tib and fib
5	930	moderate	75	adult	male	Osteoarthritis right elbow, Schmorl's nodes, cervical osteoarthritis	–
5	941	moderate	55	7–12 years	–	Calculus	intrusive subadult tibia and adult torso elements
5	948	moderate	90	adult	male	Schmorl's nodes, healed periostitis tibiae and fibulae, osteitis right distal tibia, ante-mortem tooth loss, calculus, periodontal disease	robust
5	949	moderate	90	adult	male	Schmorl's nodes, intervertebral disc disease, vertebral osteophytes, ante-mortem tooth loss, calculus, periodontal disease, dental abscess(s)	copper–alloy staining inside mandible
5	950	moderate	80	adult	probable male	Intervertebral disc disease, cribra orbitalia, ante-mortem tooth loss	contains articulated adult leg and torso and large amounts of infant from [950] and [949]
5	981	moderate	5	adult	undeter-mined	–	–
5	989	good	20	adult	male	Calculus	–
5	990	moderate	40	adult	prob male	DISH	intrusive adult right ilium
5	1078	moderate	15	sub-adult	–	–	–

Period	Context	Preserv-ation	Estimated % complete	Age	Sex	Gross pathology	General comments
5	1079	moderate	95	adult	prob female	Cribra orbitalia, active periostitis in the tibiae, fibulae and distal femora, ante-mortem tooth loss, calculus	–
5	1080	good	20	sub-adult	–	–	–
5	1081	moderate	10	adult	undeter-mined	–	–
5	1082	good	50	adult	prob female	–	–
5	1083	moderate	90	adult	female	Congenital absent upper lateral incisors, ante-mortem tooth loss, calculus	–
5	1084	good	90	adult	male	Schmorl's nodes, intervertebral disc disease, vertebral osteophytes, dental caries, ante-mortem tooth loss, calculus, dental abscess	copper-alloy staining left tibia and fibula
5	1097	poor	60	adult	undeter-mined	DISH	intrusive adult right femur and fragments. substantial quantities of second adult present
5	1098	moderate	95	adult	male	Schmorl's nodes, vertebral osteophytes, dental caries, ante-mortem tooth loss, periodontal disease	robust
5	1103	moderate	95	adult	male	Schmorl's nodes, ante-mortem tooth loss, calculus	–
5	1107	moderate	85	adult	prob male	–	intrusive adult torso fragments
6	300	poor	65	adult	male	Tibials periostitis (active), dental caries, ante-mortem tooth loss, calculus, dental abscess(s)	intrusive infant right humerus
6	913	moderate	75	13–16 years	–	–	intrusive adult pubis
6	914	moderate	75	adult	prob male	–	–
6	915	moderate	10	adult	undeter-mined	Possible healed greenstick fracture of the left first metatarsal with secondary osteoarthritis	–
6	928	poor	5	Sub-adult	–	–	older subadult
6	937	moderate	30	adult	male	Vertebral osteophytes	–
6	1092	poor	25	adult	undeter-mined	–	–