Quarrying, structured deposition and landscape appropriation in Ewell

ALEXIS HASLAM and REBECCA HASLAM

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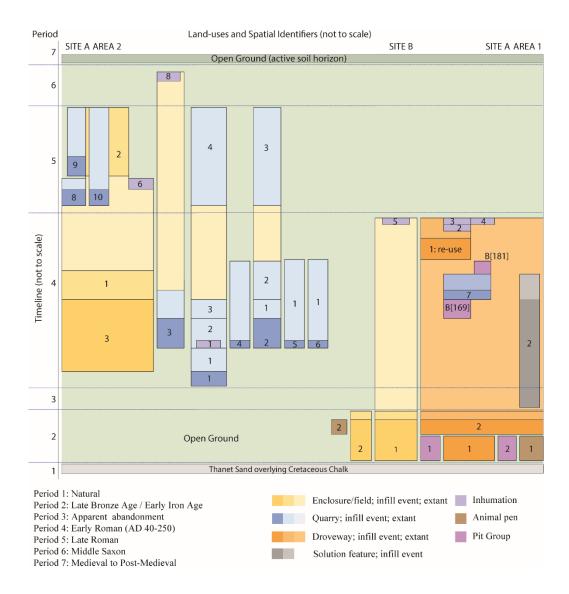


Fig 3 Diagram to show the relationship between land uses and phasing presented in the article (not to scale).

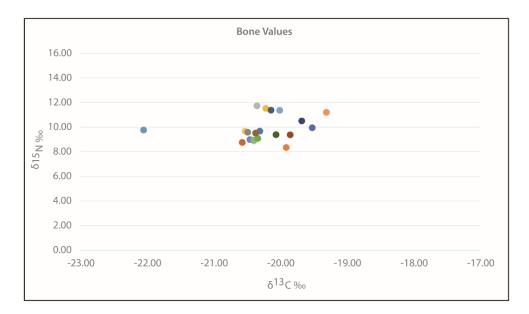


Fig 19 Scatter chart of the isotope values from all bone samples (ribs and femora).

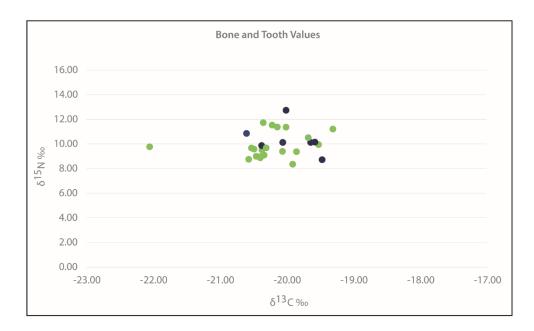


Fig 20 Scatter chart showing all isotope values gained from the analysis (bone and tooth values).

Light green are the values from bone samples (ribs and femora), dark blue are the values gained from the tooth samples. No great value difference can be seen between bone and tooth samples with one exception, from Inhumation 1.

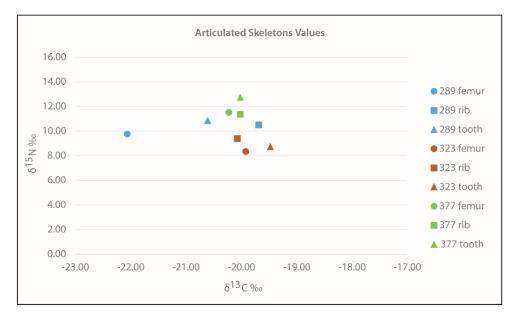


Fig 21 Scatter chart showing the values from the articulated remains Inhumation 1 (light green), Inhumation 7 (orange) and infant A[289] from Quarry 2 Infill Event 3 (light blue).

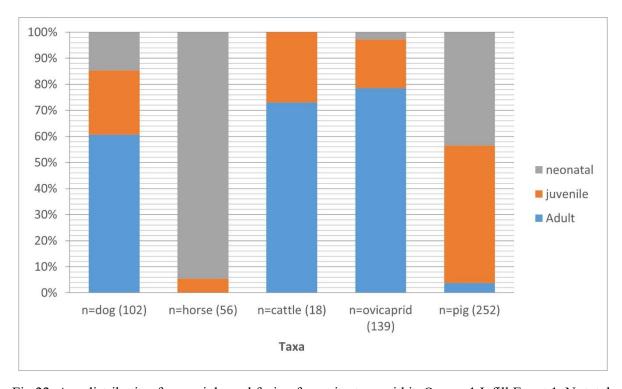


Fig 22 Age distribution from epiphyseal fusion for major taxa within Quarry 1 Infill Event 1. N=total number of identifiable bones (shown in brackets).

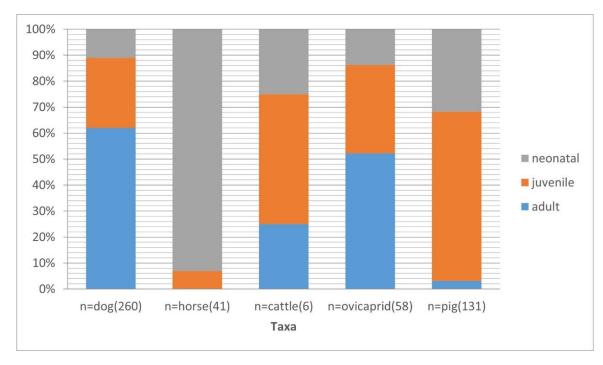


Fig 23 Age distribution for major taxa within Quarry 1 Infill Event 2. N=total number of identifiable bones (shown in brackets).

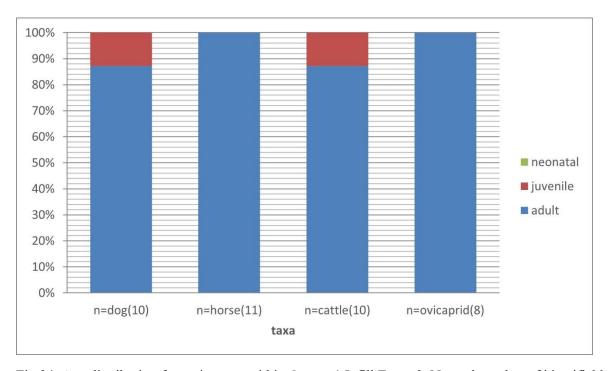


Fig 24 Age distribution for major taxa within Quarry 1 Infill Event 3. N=total number of identifiable bones (shown in brackets).

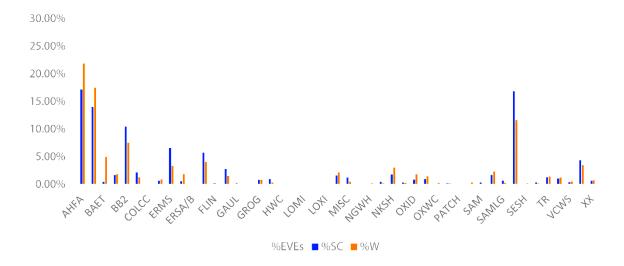


Fig 25 Quantification of all pottery.

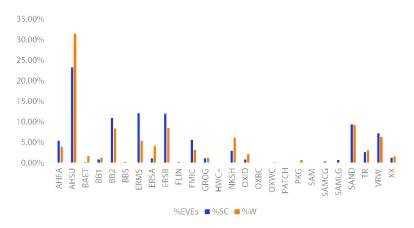


Fig 26 Quantification of Period 4 pottery.

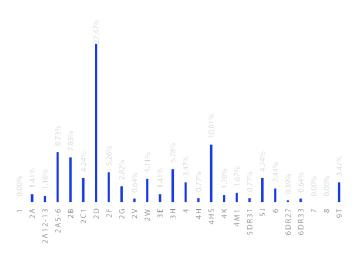


Fig 27 Period 4 forms by % EVEs.

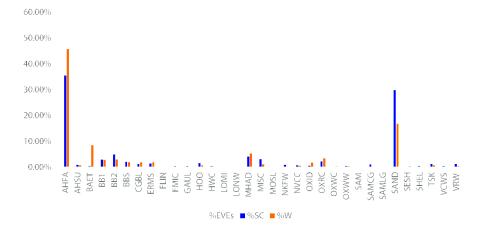


Fig 29 Quantification of Period 5 pottery.

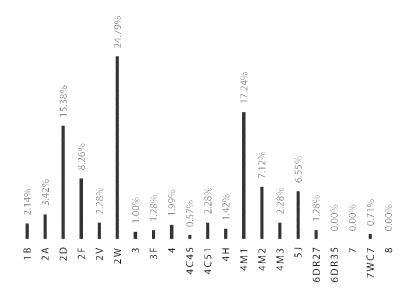


Fig 30 Period 5 forms by % EVEs.

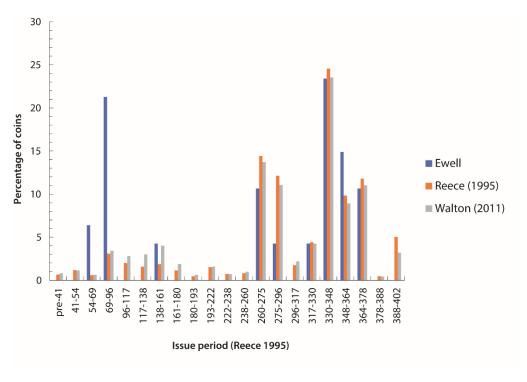


Fig 37 Chronological distribution of Roman coins from Ewell Sites A and B compared with Reece's (1995, 183) and Walton's (2011, 420) British means.

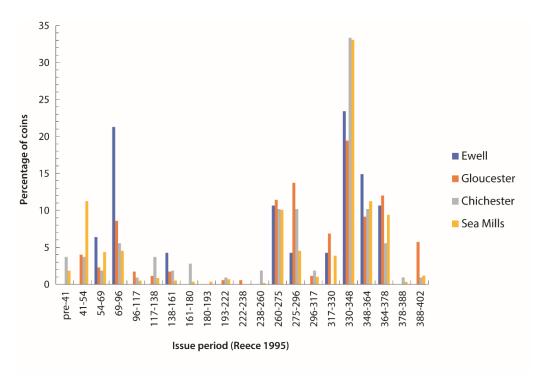


Fig 38 Chronological distribution of Roman coins from Ewell Sites A and B compared with coins from Chichester (Reece 1991, site 14), Gloucester (Reece 1991, site 49), and Sea Mills (Reece 1991, 59).

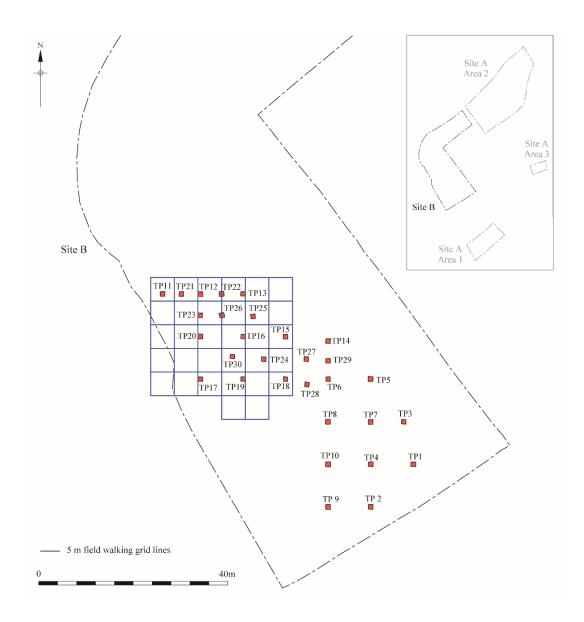


Fig 42 Location of test pits 1–30 and distribution of 5m² areas subject to controlled surface collection of worked flint.

Table 5 Table showing non-metric traits of the early Roman adults (Period 4)

Non-metric trait	Skeleton [96]	Skeleton [129]	Skeleton [205]	Skeleton [377]
Cranial non-metric traits				
Metopic Suture	0	1	Required	1
			element not present	
Supraorbital Notch	1/1	1/0	Required	1/1
(Left / Right)			element not	
Supraorbital	0/0	0/1	present Required	0/0
Foramen (L/R)	0/0	0/ 1	element not	0/0
,			present	
Infraorbital suture	Required element	Required element	Required	1/1
(L/R)	not present	not present	element not	
Multiple Infraorbital	Required element	Required element	present Required	0/0
Foramina (L/R)	not present	not present	element not	0,0
,	'	'	present	
Zygomatico-facial	Required element	Required element	Required	1/1
Foramina (L/R)	not present	not present	element not	
Deviatel Favores	Degratined element	0/0	present	4/4
Parietal Foramen (L/R)	Required element not present	0/0	Required element not	1/1
(L/K)	not present		present	
Epipteric Bone	Required element	Required element	Required	0/0
(L/R)	not present	not present	element not	
			present	
Coronal Ossicle	Required element	0 / Right element	Required	0/0
(L/R)	not present	not present	element not present	
Bregmatic Bone	Required element	Required element	Required	0
2.09	not present	not present	element not	
	·	·	present	
Sagittal Ossicle	Required element	0	Required	1
	not present		element not	
Apical Bone	Required element	Required element	present Required	1
Apical Bolle	not present	not present	element not	'
	not procent	not procent	present	
Lambdoid Ossicle	Required element	0/0	Required	1/1
(L/R)	not present		element not	
A = 4 = u1 = u1 = D	Damie 1.1	0/0:4:4:4	present	0/0:04
Asterionic Bone	Required element	0 / Right element not present	Required element not	0 / Right element
(L/R)	not present	not present	present	not present
Ossicle in Occipito-	Required element	Required element	Required	0/0
Mastoid Suture	not present	not present	element not	
(L/R)			present	
Parietal Notch Bone	Required element	0 / Right element	Required	0/0
(L/R)	not present	not present	element not	
			present	1

Non-metric trait	Skeleton [96]	Skeleton [129]	Skeleton [205]	Skeleton [377]
Inca Bone	Required element not present	0	Required element not	0
Condylar Canal	Required element	Required element	present Required	Required
(L/R)	not present	not present	element not	element not
(L/IX)	not present	not present	present	present
Divided	Required element	Required element	Required	Required
Hypoglossal Canal	not present	not present	element not	element not
(L/R)	not prosont	not prosont	present	present
Flexure of Superior	Required element	Required element	Required	Required
Sagittal Sulcus	not present	not present	element not	element not
(R/L/B)			present	present
Foramen Ovale	Required element	Required element	Required	Required
Incomplete (L/R)	not present	not present	element not	element not
1 ()	'	'	present	present
Foramen Spinosum	Required element	Required element	Required	Required
Incomplete (L/R)	not present	not present	element not	element not
. , ,	·		present	present
Pterygo-spinous	Required element	Required element	Required	Required
Bridge (L/R)	not present	not present	element not	element not
•			present	present
Pterygo-alar Bridge	Required element	Required element	Required	Required
(L/R)	not present	not present	element not	element not
			present	present
Tympanic	Required element	Required element	Required	Required
Dihiscence (L/R)	not present	not present	element not	element not
			present	present
Auditory Exostosis	0/0	0/0	Required	0/0
(L/R)			element not	
			present	
Mastoid Foramen	Required element	Required element	0/0	Required
(L/R)	not present	not present		element not
				present
Mental Foramen(L/R)	1/1	0/0	0/0	0/0
Mandibular Torus	0/0	0/0	Required	0/0
(L/R)			element not	
			present	
Frontal grooves	Required element	0/0	Required	0/0
(L/R)	not present		element not	
			present	
Ethmoidal foramina	Required element	Required element	Required	Required
(L/R)	not present	not present	element not	element not
0 ()	D : 1 1	D : 1 1 (present	present
Supratrochlear	Required element	Required element	Required	Required
Notch or foramen	not present	not present	element not	element not
(L/R)	Doguirod alamas::4	Doguirod alamas:-	present	present
Trochlear Spine	Required element	Required element	Required	Required
(L/R)	not present	not present	element not	element not
Double assinite!	Poguired element	Left element not	present	present 0/0
Double occipital condylar facets	Required element	present / 0	Required element not	0/0
(L/R)	not present	ρισοσιιί / Ο		
Paracondylar	Peguired alament	Required clament	present	Peguirod
-	Required element not present	Required element not present	Required element not	Required element not
process	Hot biesellt	Hor bresellr	present	present
	1		ρισοσιιι	hieselir

Non-metric trait	Skeleton [96]	Skeleton [129]	Skeleton [205]	Skeleton [377]
Bridging of Jugular foramen (L/R)	Required element not present	Required element not present	Required element not present	Required element not present
Pharyngeal tubercle	Required element not present	Required element not present	Required element not present	Required element not present
Clinoid bridges or spurs (L/R)	Required element not present	Required element not present	Required element not present	Required element not present
Accessory lesser palatine foramina (L/R)	Required element not present	Required element not present	Required element not present	0/0
Palatine torus (L/R)	Left element not present / 0	Required element not present	Required element not present	0/0
Maxillary torus (L/R)	Left element not present / 0	Required element not present	Required element not present	0/0
Divided parietal bone (L/R)	Required element not present	Required element not present	Required element not present	0/0
Os Japonicum (L/R)	Required element not present	Required element not present	Required element not present	0/0
Marginal tubercle (L/R)	Required element not present	Required element not present	Required element not present	0/0
Mylohyoid Bridge (L/R)	0/0	Required element not present	0/0	Required element not present
Post-cranial non- metric traits	I	1		I
Atlas Lateral Bridging (L/R)	0/0	0/0	Required element not present	Required element not present
Atlas Posterior Bridging (L/R)	0/0	1/0	Required element not present	Required element not present
Accessory Transverse Foramina in 7th cervical vertebrae (L/R)	0/0	0/0	Required element not present	Required element not present
Septal Aperture	0/0	0/0	Required element not present	0 / Right element not present

Non-metric trait	Skeleton [96]	Skeleton [129]	Skeleton [205]	Skeleton [377]
Sixth Lumbar vertebrae	0	0	Required element not	0
A a a a a a a m / a a a r a	0/0	0/0	present	Doguirod
Accessory sacro-	0/0	0/0	Required	Required
illiac articulation (L/R)			element not	element not
Supra scapular	0/0	0/0	present	present
Foramen or notch	0/0	0/0	Required element not	Required element not
form (L/R)	0/0	0/0	present	present
Accessory acromial	0/0	0/0	Required	Required
articular facet (L/R)			element not	element not
Unfused acromial	0/0	0/0	present	present
_	0/0	0/0	Required	Required
epiphysis (L/R)			element not	element not
Olamaid faras	0/0	0/0	present	present
Glenoid fossa	0/0	0/0	Required	Left element not
extension (L/R)			element not	present / 0
Oinesseefless Osslesse	0/0	0/0	present	Demined
Circumflex Sulcus	0/0	0/0	Required	Required
(L/R)			element not	element not
Ot f	0	Danishad alamand	present	present
Sternal foramen	0	Required element	Required	Required
		not present	element not	element not
0	0/0	0/0	present	present
Supratrochlear	0/0	0/0	Required	0 / Right element
Spur (L/R)			element not	not present
T	0/0	0 / Dialet alamanet	present	Demiliand
Trochlear notch	0/0	0 / Right element	Required	Required
form (L/R)		not present	element not	element not
Allerie feese (L/D)	0/0	O / Digital plans and	present	present
Allen's fossa (L/R)	0/0	0 / Right element	Required	Required element not
		not present	element not	
Poirier's facet or	0/0	0/0	present	present
	0/0	0/0	Required	0 / Right element
extension (L/R)			element not	not present
Third trochanter	0/0	0 / Dight clament	present	Doguirod
	0/0	0 / Right element	Required	Required element not
(L/R)		not present	element not	
Vactus notab (L/D)	L oft clament not	0/0	present	present
Vastus notch (L/R)	Left element not	0/0	Required	Required
	required / 0		element not	element not
Tibio Covettion	0 / Dight alamant	O / Digital plans and	present	present
Tibia Squatting	0 / Right element	0 / Right element	Required	Left element not
facets (L/R)	not required	not present	element not	present / 0
T. I O	0 / D' - 1 / - 1 /	0/0	present	1 6 1
Talus Squatting	0 / Right element	0/0	Required	Left element not
facets (L/R)	not required		element not	present / 0
Dental non-metric			present	
traits				
Shovel shaped	0/0	0/0	Required	0/0
incisors (L/R)	O/ O	0/0	element not	
11010013 (L/11)			present	
	0/0	0/0	Required	0/0
Carahelli's cuen				
Carabelli's cusp (L/R)	0/0	0/0	element not	0/0

Non-metric trait	Skeleton [96]	Skeleton [129]	Skeleton [205]	Skeleton [377]
Parastyle mandible (L/R)	0/0	0/0	Required element not	0/0
Tuberculum dentale (L/R)	0/0	0/0	present Required element not present	0/0
Interruption groove (L/R)	0/0	0/0	Required element not present	0/0
Peg shape (L/R)	0/0	0/0	Required element not present	0/0
Bushman canine (L/R)	0/0	0/0	Required element not present	0/0
Paracone ridge (L/R)	0/0	0/0	Required element not present	0/0
Hyper cone (L/R)	0/0	0/0	Required element not present	0/0
Enamel extension (L/R)	0/0	0/0	Required element not present	0/0
Protoconid (L/R)	0/0	0/0	Required element not present	0/0
Hypoconulid (L/R)	0/0	0/0	Required element not present	0/0
Protostylid (L/R)	0/0	0/0	Required element not present	0/0

Table 6 Table showing non-metric traits for the late Roman and Saxon adults (Periods 5 and 6)

Non-metric trait	Late Roman Skeleton [204]	Saxon Skeleton [323]
Cranial non-metric traits		
Metopic Suture	Required element not present	0
Supraorbital Notch (Left / Right)	Required element not present	1/1
Supraorbital Foramen (L/R)	Required element not present	0/0
Infraorbital suture (L/R)	Required element not present	0/1
Multiple Infraorbital Foramina (L/R)	Required element not present	0/0
Zygomatico-facial Foramina (L/R)	Required element not present	1/0
Parietal Foramen (L/R)	Required element not present	1/1
Epipteric Bone (L/R)	Required element not present	0/0
Coronal Ossicle (L/R)	Required element not present	0/0
Bregmatic Bone	Required element not present	0
Sagittal Ossicle	Required element not present	0
Apical Bone	Required element not present	1

Non-metric trait	Late Roman Skeleton [204]	Saxon Skeleton [323]
Lambdoid Ossicle (L/R)	Required element not present	0/0
Asterionic Bone (L/R)	Required element not present	1/0
Ossicle in Occipito-Mastoid Suture (L/R)	Required element not present	0/0
Parietal Notch Bone (L/R)	Required element not present	1/0
Inca Bone	Required element not present	0
Condylar Canal (L/R)	Required element not present	0/0
Divided Hypoglossal Canal (L/R)	Required element not present	0/0
Flexure of Superior Sagittal Sulcus (R/L/B)	Required element not present	1
Foramen Ovale Incomplete (L/R)	Required element not present	Required element not present
Foramen Spinosum Incomplete (L/R)	Required element not present	Required element not present
Pterygo-spinous Bridge (L/R)	Required element not present	Required element not present
Pterygo-alar Bridge (L/R)	Required element not present	Required element not present
Tympanic Dihiscence (L/R)	Required element not present	1/0
Auditory Exostosis (L/R)	Required element not present	0/0
Mastoid Foramen (L/R)	Required element not present	0/0
Mental Foramen(L/R)	Required element not present	0/0
Mandibular Torus (L/R)	Required element not present	0/0
Frontal grooves (L/R)	Required element not present	0/0
Ethmoidal foramina (L/R)	Required element not present	0/0
Supratrochlear Notch or foramen (L/R)	Required element not present	0/0
Trochlear Spine (L/R)	Required element not present	0/0
Double occipital condylar facets (L/R)	Required element not present	0/0
Paracondylar process	Required element not present	0/0
Bridging of Jugular foramen (L/R)	Required element not present	0/0
Pharyngeal tubercle	Required element not present	Required element not present
Clinoid bridges or spurs (L/R)	Required element not present	Required element not present
Accessory lesser palatine foramina (L/R)	Required element not present	0/0
Palatine torus (L/R)	Required element not present	0/0
Maxillary torus (L/R)	Required element not present	0/0
Divided parietal bone (L/R)	Required element not present	0/0
Os Japonicum (L/R)	Required element not present	0/0
Marginal tubercle (L/R)	Required element not present	0/0
Mylohyoid Bridge (L/R)	Required element not present	0/0
Post-cranial non-metric traits		
Atlas Lateral Bridging (L/R)	Required element not present	0/0
Atlas Posterior Bridging (L/R)	Required element not present	0/0
Accessory Transverse Foramina in 7 th cervical vertebrae (L/R)	Required element not present	0/1
Septal Aperture	Required element not present	0/0
Sixth Lumbar vertebrae	Required element not present	1

Non-metric trait	Late Roman Skeleton [204]	Saxon Skeleton [323]
Accessory sacro-illiac articulation (L/R)	Required element not present	0/0
Supra scapular Foramen or notch form (L/R)	Required element not present	0/0
Accessory acromial articular facet (L/R)	Required element not present	0/0
Unfused acromial epiphysis (L/R)	Required element not present	0/0
Glenoid fossa extension (L/R)	Required element not present	0/0
Circumflex Sulcus (L/R)	Required element not present	0/0
Sternal foramen	Required element not present	Required element not present
Supratrochlear Spur (L/R)	Required element not present	0/0
Trochlear notch form (L/R)	Required element not present	0/0
Allen's fossa (L/R)	Required element not present	0/0
Poirier's facet or extension (L/R)	Required element not present	0/0
Third trochanter (L/R)	Required element not present	0/0
Vastus notch (L/R)	Required element not present	Left element not present /
		0
Tibia Squatting facets (L/R)	0/0	0 0/0
Tibia Squatting facets (L/R) Talus Squatting facets (L/R)	0/0	0/0 Required element not
Talus Squatting facets		0/0
Talus Squatting facets (L/R)		0/0 Required element not
Talus Squatting facets (L/R) Dental non-metric traits Shovel shaped incisors (L/R)	0/0	0/0 Required element not present
Talus Squatting facets (L/R) Dental non-metric traits Shovel shaped incisors	0/0 Required element not present	0/0 Required element not present 0/0 0/0 0/0 0/0 0/0
Talus Squatting facets (L/R) Dental non-metric traits Shovel shaped incisors (L/R) Carabelli's cusp (L/R)	O/O Required element not present Required element not present Required element not present Required element not present	0/0 Required element not present 0/0 0/0 0/0 0/0 0/0 0/0 0/0
Talus Squatting facets (L/R) Dental non-metric traits Shovel shaped incisors (L/R) Carabelli's cusp (L/R) Parastyle mandible (L/R)	0/0 Required element not present Required element not present Required element not present	0/0 Required element not present 0/0 0/0 0/0 0/0 0/0
Talus Squatting facets (L/R) Dental non-metric traits Shovel shaped incisors (L/R) Carabelli's cusp (L/R) Parastyle mandible (L/R) Tuberculum dentale (L/R) Interruption groove (L/R) Peg shape (L/R)	O/O Required element not present Required element not present Required element not present Required element not present	0/0 Required element not present 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0
Talus Squatting facets (L/R) Dental non-metric traits Shovel shaped incisors (L/R) Carabelli's cusp (L/R) Parastyle mandible (L/R) Tuberculum dentale (L/R) Interruption groove (L/R) Peg shape (L/R) Bushman canine (L/R)	O/O Required element not present	0/0 Required element not present 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0
Talus Squatting facets (L/R) Dental non-metric traits Shovel shaped incisors (L/R) Carabelli's cusp (L/R) Parastyle mandible (L/R) Tuberculum dentale (L/R) Interruption groove (L/R) Peg shape (L/R)	O/O Required element not present	0/0 Required element not present 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0
Talus Squatting facets (L/R) Dental non-metric traits Shovel shaped incisors (L/R) Carabelli's cusp (L/R) Parastyle mandible (L/R) Tuberculum dentale (L/R) Interruption groove (L/R) Peg shape (L/R) Bushman canine (L/R) Paracone ridge (L/R) Hyper cone (L/R)	Required element not present	0/0 Required element not present 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0
Talus Squatting facets (L/R) Dental non-metric traits Shovel shaped incisors (L/R) Carabelli's cusp (L/R) Parastyle mandible (L/R) Tuberculum dentale (L/R) Interruption groove (L/R) Peg shape (L/R) Bushman canine (L/R) Paracone ridge (L/R) Hyper cone (L/R) Enamel extension (L/R)	Required element not present	0/0 Required element not present 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0
Talus Squatting facets (L/R) Dental non-metric traits Shovel shaped incisors (L/R) Carabelli's cusp (L/R) Parastyle mandible (L/R) Tuberculum dentale (L/R) Interruption groove (L/R) Peg shape (L/R) Bushman canine (L/R) Paracone ridge (L/R) Hyper cone (L/R) Enamel extension (L/R) Protoconid (L/R)	Required element not present	0/0 Required element not present 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0
Talus Squatting facets (L/R) Dental non-metric traits Shovel shaped incisors (L/R) Carabelli's cusp (L/R) Parastyle mandible (L/R) Tuberculum dentale (L/R) Interruption groove (L/R) Peg shape (L/R) Bushman canine (L/R) Paracone ridge (L/R) Hyper cone (L/R) Enamel extension (L/R)	Required element not present	0/0 Required element not present 0/0 0/0 0/0 0/0 0/0 0/0 0/0 0

Table 7 Identifiable human bone fragments within Quarry 1: Infill Event 1 (Period 4)

Skeletal Element	No of identifiable human bone fragments within Infill group 1	% of idenifiable human bone fragments within Infill group 1
Clavicle	4	0.85%
Femur	19	4.03%
Fibula	18	3.82%
Foot (inc. tarsals, metatarsals, and phalanges)	46	9.77%
Hand (inc. carpals, metacarpals, and phalanges)	87	18.47%
Humerus	9	1.91%
Patella	5	1.06%
Pelvis (including ilium, ischium, pubis, and sacrum)	26	5.52%
Radius	13	2.76%
Rib	94	19.96%
Scapula	5	1.06%
Skull (including cranium, mandible, and loose dentition)	F.0	44.040/
Sternum	52	11.04%
	2	0.42%
Tibia	6	1.27%
Ulna	12	2.55%
Vertebrae	73	15.50%

Table 8: Identifiable human bone fragments within Quarry 1: Infill Event 2 (Period 4)

Skeletal Element	No. of identifiable human bone fragments within Infill group 1	% of idenifiable human bone fragments within Infill group 1
Clavicle	3	1.60%
Femur	5	2.67%
Fibula	3	1.60%
Foot (inc. tarsals, metatarsals, and phalanges)	36	19.25%
Hand (inc. carpals, metacarpals, and phalanges)	6	3.21%
Humerus	9	4.81%
Patella	3	1.60%
Pelvis (including ilium, ischium, pubis, and sacrum)	27	14.44%
Radius	6	3.21%
Rib	14	7.49%
Scapula	6	3.21%
Skull (including cranium, mandible, and loose dentition)	41	21.93%
Sternum	1	0.54%
Tibia	22	11.76%
Ulna	4	2.14%
Vertebrae	1	0.54%

Table 9 Crude prevalence of the condition of the disarticulated bone recovered from Quarry 1

Condition of disarticulated bone	% of skeletal fragments within the disarticulated assemblage
Very good	6.38%
Good	24.47%
Good-Moderate	23.76%
Moderate	24.47%
Moderate-Poor	14.89%
Poor	6.03%

Table 10 25 N and 13 C values of all samples

Context No	Element	Age & Sex	Land use	Period	δ ¹⁵ N ‰	δ ¹³ C %
A[377]	femur	Middle aged to older probable female	Inhumation 1	4: Early to Mid- Roman	11.5	-20.2
A[377]	Molar M3	Middle aged to older probable female	Inhumation 1	4: Early to Mid- Roman	12.7	-20
A[377]	rib	Middle aged to older probable female	Inhumation 1	4: Early to Mid- Roman	11.3	-20
A[404]	femur		Quarry 1: Infill Event 1	4: Early to Mid- Roman	9	-20.3
A[405]	femur		Quarry 1: Infill Event 1	4: Early to Mid- Roman	11.3	-20.1
A[407]	rib		Quarry 1: Infill Event 1	4: Early to Mid- Roman	8.8	-20.4
A[413]	incisor		Quarry 1: Infill Event 1	4: Early to Mid- Roman	10.1	-20
A[413]	rib		Quarry 1: Infill Event 1	4: Early to Mid- Roman	9.6	-20.5
A[414]	rib		Quarry 1: Infill Event 1	4: Early to Mid- Roman	8.9	-20.4
A[415]	Molar M2		Quarry 1: Infill Event 1	4: Early to Mid- Roman	10.1	-19.5
A[416]	rib		Quarry 1: Infill Event 1	4: Early to Mid- Roman	8.9	-20.4
A[417]	femur		Quarry 1: Infill Event 1	4: Early to Mid- Roman	9.3	-19.8
A[419]	molar		Quarry 1: Infill Event 1	4: Early to Mid- Roman	10.1	-19.6
A[420]	femur		Quarry 1: Infill Event 1	4: Early to Mid- Roman	9.5	-20.4
A[420]	rib		Quarry 1: Infill Event 1	4: Early to Mid- Roman	9.6	-20.3
A[424]	femur		Quarry 1: Infill Event 1	4: Early to Mid- Roman	9.5	-20.3
A[424]	molar M1		Quarry 1: Infill Event 1	4: Early to Mid- Roman	9.8	-20.3
A[424]	rib		Quarry 1: Infill Event 1	4: Early to Mid- Roman	8.7	-20.5
A[350]	femur		Quarry 1: Infill Event 2	4: Early to Mid- Roman	11.7	-20.3
A[385]	femur		Quarry 1: Infill Event 2	4: Early to Mid- Roman	9.9	-19.5
A[385]	rib		Quarry 1: Infill Event 2	4: Early to Mid- Roman	11.2	-19.3
A[289]	femur	Infant	Quarry 2: Infill Event 3	5: Late Roman	9.7	-22

Context No	Element	Age & Sex	Land use	Period	δ ¹⁵ N ‰	δ ¹³ C ‰
A[289]	incisor	Infant	Quarry 2: Infill Event 3	5: Late Roman	10.8	-20.6
A[289]	rib	Infant	Quarry 2: Infill Event 3	5: Late Roman	10.5	-19.6
A[323]	femur	Young to middle-aged adult male	Inhumation 7	6: Saxon	8.3	-19.9
A[323]	molar M3	Young to middle-aged adult male	Inhumation 7	6: Saxon	8.7	-19.4
A[323]	rib	Young to middle-aged adult male	Inhumation 7	6: Saxon	9.3	-20

Table 11 Results of the detailed taphonomic analysis undertaken on a subsample of human bone from Quarry 1: Infill events 1 and 2 (Period 4)

Context	Land-Use	Skeletal Element	Taphonomic Observations
A334	Quarry 1: Infill Event 2	Rib	Pitting
A350	Quarry 1: Infill Event 2	Femur	Deep scratches along shaft - Gnawing mark
A377	Inhumation 1	Femur	Splitting on breaks- Scratches along and slightly diagonal to shaft - Pitting
A377	Inhumation 1	Rib	Light scratches - Pitting
A378	Quarry 1: Infill Event 2	Rib	Scratches
A385	Quarry 1: Infill Event 2	Femur	Many anomalies - Pitting
A385	Quarry 1: Infill Event 2	Rib	Pitting - Scratches
A386	Quarry 1: Infill Event 2	Rib	Light scratches
A387	Quarry 1: Infill Event 2	Metatarsal 1	Big indentation (puncture?) on distal end; damage on proximal end
A393	Quarry 1: Infill Event 1	Rib	Pitting
A404	Quarry 1: Infill Event 1	Femur	Very smooth surface - Pitting - Scratches along shaft
A405	Quarry 1: Infill Event 1	Femur	Pitting - Light scratches
A406	Quarry 1: Infill Event 1	Rib	Pitting / Punctures - Light scratches
A407	Quarry 1: Infill Event 1	Rib	Pitting
A409	Quarry 1: Infill Event 1	Rib	Pitting / Punctures
A410	Quarry 1: Infill Event 1	Rib	Pitting - Scratches
A413	Quarry 1: Infill Event 1	Rib	Pitting - Scratch vertical too shaft
A414	Quarry 1: Infill Event 1	Rib	Pitting
A415	Quarry 1: Infill Event 1	Mandible	Only taphonomic damage
A416	Quarry 1: Infill Event 1	Humerus	Damage on distal end - Scratches and punctures (?) on shaft - Greater and lesser tubercle not recognisable(unfused?)
A416	Quarry 1: Infill Event 1	Rib	Pitting - Scratches along shaft
A416	Quarry 1: Infill Event 1	Sacpula	Most of blade missing; puncture on blade; cut close to lateral border
A417	Quarry 1: Infill Event 1	Femur	Punctures on head - Damage between head and neck - Damage to trochanters - Marks on shaft - Damage to condyles - Puncture (?) on condyle
A417	Quarry 1: Infill Event 1	Femur	Pitting - Scratches
A418	Quarry 1: Infill Event 1	Rib	Light scratches
A420	Quarry 1: Infill Event 1	Femur	Scratches along shaft - Splitting on breaks
A420	Quarry 1: Infill Event 1	Humerus	Mark on posterior side of shaft - Damage at capitulum - Punctures (?) on shaft
A420	Quarry 1: Infill Event 1	Pelvis	Puncture on ilium under iliac crest (superior) - Puncture on lateral side under iliac tubercle - Puncture (?) left of acetabulum
A420	Quarry 1: Infill Event 1	Rib	Pitting
A422	Quarry 1: Infill Event 1	Rib	Pitting / Punctures - Scratches
A423	Quarry 1: Infill Event 1	Rib	Scratches
A424	Quarry 1: Infill Event 1	Femur	Pitting - Scratches along shaft
A424	Quarry 1: Infill Event 1	Rib	Pitting - Scratches vertical to shaft