

Appendix 8.1: Cremated bone archive report

J I McKinley  
animal species identifications by Jessica Grimm

See Table below for weights and percentage distributions of bone by sieve fraction and identifiable skeletal elements.

Context 4004

Remains undisturbed urned burial excavated in spits and quads by JIMcK. Vessel 0.15m high one side, 0.08m on other.  
Grave 4003, 0.20m diameter, min. 0.13m deep. Truncated by plough.

*spit: 0*

SKULL: Mandible – fragment right distal buccal body with ?M3 socket.

Small fragment occipital vault with neg. external occipital protuberance

AXIAL SKELETON: T/L: 2 small fragments body.

UPPER LIMB: Radius; shaft fragment.

PYRE GOODS: 3.5g animal bone - sp. unidentified (JG).

*Spit 1:30mm taken from higher side i.e. 0.12-0.15m spit but does not extend full width of vessel (areas c & d lower).*

*spit 1a:*

SKULL: Mandible – fragment small left condyle & neck.

Small fragment foramen magnum border. Small left zygomatic tubercle & posterior arch fragment.

Vault; 3 small fragments.

AXIAL SKELETON: Atlas; small fragment posterior arch.

Thoracic; articular process fragment; spinal process.

T/L; 2 small fragments body (1 slightly blue).

Rib; 15 fragments shaft (2 slightly blue).

UPPER LIMB: Humerus; small fragment distal articular surface.

Radius; 2 fragments shaft (slightly blue).

Ulna; small fragment distal head.

LOWER LIMB: ?small fragment 1<sup>st</sup> metatarsal head – larger size than the ‘pair’  
represented in here ??token/reused site.

PYRE GOODS: 13.2g animal bone - left mandible of pig (male), unidentified  
mammal bone (JG).

*Spit 1b:*

SKULL: Mandible – fragment left inferior ramus border by angle.

Basal vault fragment.

Vault; 10 fragment; 1a = 2.1mm; sutures open.

AXIAL SKELETON: Atlas; posterior arch fragment. Axis – small body + process &

right articular surface. TH = 25mm; odontoid W = 7.9mm; odontoid D = 7.6mm; odontoid H = 10.9mm. Spinal process (most). Cervical; 2 small bodies.

Thoracic; right rib facet & sup. articular process.

Lumbar; body & fragment 2<sup>nd</sup>.

Rib; shaft fragment.

Innominate; ilium fragment (narrow).

UPPER LIMB: ?Clavicle; fragment very gracile right shaft.

Humerus; 3 fragments shaft. Distal articular surface fragment.

LOWER LIMB: Femur; head fragments (grey). 2 fragments shaft (1 slightly grey).

*spit 1c:*

AXIAL SKELETON: Thoracic; 2 articular processes (1 grey), neural arch fragment (grey).

Rib; shaft fragment.

LOWER LIMB: Femur; shaft fragment.

Tibia; small fragment proximal condyle.

*spit 1d:*

SKULL: Mandible – inferior ramus boarder fragment. Left distal body fragment

(labial) with M2/3 (last) socket (grey). Left anterior ramus border fragment (grey).

Left small articular tubercle fragment – joins zygomatic from 1a.

Fragment foramen magnum border (dorsal).

Vault; 2 fragments, sutures fused.

AXIAL SKELETON: Thoracic; fragments 4 articular processes. Body fragment.

Lumbar; body fragment.

Small fragment shallow sternum.

Rib; 7 fragments shaft (2 grey).

LOWER LIMB: Femur; fragments ?right head & neck (grey).

PYRE GOODS: 13.7g animal bone - frag. left mandible subadult pig & unidentified mammal bone (JG).

*Spit 2: 0.12-0.10m mostly (area c & some d still @ 0.08) common bone, much soil, little fuel ash in area c.*

*spit 2a:*

SKULL: Vault; fragment 1a = 3.1mm

AXIAL SKELETON: Cervical; very small body (slightly grey). Pair articular processes.

Thoracic; body fragment. Transverse process. Fragment articular process.

Lumbar; ?body fragment. Fragment articular process.

Rib; 10 fragments shaft inc. sternal (Isan phase 2).

UPPER LIMB: Radius; shaft fragment (blue/grey sandwich).

LOWER LIMB: Tibia; 2 fragments shaft.

Proximal phalanx base with shaft fragment.

PYRE GOODS: 4.4g animal bone - fragments pig skull (JG). Pot fragment (?urn).

*Spit 2b:*

SKULL: Small fragment small ?left occipital condyle.

AXIAL SKELETON: Atlas; fragment very small right articular surfaces with posterior arch fragment. Cervical; articular process fragment.

Thoracic; body fragment. Articular process.

T/L: body fragment.

Rib; 4 fragments shaft.

Innominate: fragments (most, not quite join) small left ischial tuberosity and acetabular rim. Very small fragment left pubic symphysis, no border modification & suggestions pattern retained (deep). Fragments ilium.

LOWER LIMB: Fragments femur (5, mostly blue/grey) and tibia (1) shaft.

PYRE GOODS: 7.9m immature/unerupted pig teeth - fragments molars/premolars of young pig (JG).

*spit 2c:*

AXIAL SKELETON: Cervical; articular process (brown/very lightly charred).

Rib; shaft fragment.

UPPER LIMB: ?Clavicle, small fragment gracile shaft joins fragment in 4b.

Humerus; shaft fragment.

*Spit 2d:*

SKULL: Sphenoid fragment.

Vault; fragment. 1a = 3.5mm.

AXIAL SKELETON: Cervical; small body (larger than other ie. lower; slightly grey). Spinal process fragment. Fragment articular processes (slightly blue).

Thoracic; joining fragments most one body & fragment 2<sup>nd</sup>. 2 articular processes.

Sacrum; fragment right auricular surface. 1<sup>st</sup> body fragment.

Rib; 14 fragments shaft (few slightly blue), one with sternal end (Isan phase 1-2).

UPPER LIMB: Fragment small metacarpal shaft. Small distal phalanx shaft.

LOWER LIMB: Femur; distal articular surface fragment (grey) – joins 5c.

Tibia; shaft fragment.

Very small metatarsal head.

PYRE GOODS: 0.5g - sp. u/id (JG)

*Spit 3: 0.10-0.08. Much soil, large bone fragments a & d.*

*Spit 3a:*

SKULL: Vault; 4 thin fragments (1a = 3.1mm) sutures c. 1/8<sup>th</sup> fused.

AXIAL SKELETON: Cervical; fragment articular process pair.

Thoracic; fragments 3 articular processes (1 brown).

Lumbar; fragments min. 1 body (grey/blue inside).

Rib; 7 fragments shaft (1 grey).

Innominate; fragment acetabulum (grey/blue). Ilium fragment.

UPPER LIMB: Scapula; right inferior angle.

Humerus; distal half right shaft.

LOWER LIMB: ?Femur shaft fragment.

?Fibula; shaft fragment.

INCLUSIONS: fragment pot – urn?

*Spit 3b:*

SKULL: left supra-orbital, sharp margins & flat brow (no cribra).

Vault; 2 fragments (join); 1a = 2.6mm.

AXIAL SKELETON: Thoracic; fragments min. 1 body.

Lumbar; spinal process fragment.

Rib; 11 fragments shaft inc. sternal end (Isan phase 2).

Innominate; fragment iliac border; ilium fragments.; fragment acetabulum.

UPPER LIMB: ?metacarpal base with shaft fragment (?5<sup>th</sup>, v. small).

LOWER LIMB: Femur; 4 fragments shaft (blue/white).

Tibia; shaft fragment.

PYRE GOODS: 1g ?animal - sp. u/id (JG).

*Spit 3c:*

AXIAL SKELETON: Thoracic; fragment transverse process.

T/L: body fragment.

Sacrum; fragments lateral mass.

Rib; 5 fragments shaft.

Innominate; fragments ilium - ?crest not quite fully fused. Small fragment acetabulum (grey).

UPPER LIMB: Humerus; shaft fragment.

LOWER LIMB: Femur; shaft fragment.

Tibia; large fragment right distal articular surface & shaft.

Most of small right navicular.

*Spit 3d:*

SKULL: Very small fragment shattered tooth enamel.

Maxilla – left anterior body with I1-C sockets.

AXIAL SKELETON: Cervical; fragment dorsal arch & spinal process. Fragment articular process.

Thoracic; fragments 3 bodies – one almost complete small upper, & parts 2 lower (1 brown/blue). Fragments 4 articular process (1 brown/grey); fragments 2 transverse process (1 slightly grey).

Sacrum; most inferior body (3-4<sup>th</sup>?).

Rib; shaft fragment.

UPPER LIMB: Scapula; fragment left superior medial border.

Clavicle; fragment very small right lateral shaft.

Tiny hook from right hamate.

LOWER LIMB: Femur; 7 fragments shaft (several grey inside).

Tibia shaft fragment.

Fragment very small right intermediate cuneiform. Fragments ?right ?cuboid – c. 13mm diameter slightly depression on posterior surface juxta-articular distal end; surface uneven & porous with marked ‘rim’ and some disorganised new bone on ?medial side. ?infection ass.

PYRE GOODS: 1.4g animal - mammal rib fragment (JG).

INCLUSIONS: Fragments pottery – from urn?

*Spit 4: 0.08-0.06. Bone seems conc. in a, b & d areas. Much trabecular bone.*

*Spit 4a:*

SKULL: Fragments min. 1 maxillary molar root.

Vault; small fragment.

AXIAL SKELETON: Rib; shaft fragment.

Innominate; fragment right acetabulum (slightly blue). Fragments ilium with crest & tuberosity.

UPPER LIMB: Scapula; small right glenoid & neck with coronoid process fragment

& acromion neck. Glenoid 28.6mm L; c. 18.7mm wide.

Humerus; 4 fragments shaft.

LOWER LIMB: femur; 4 fragments shaft (1 slightly grey inside).

Tibia; small fragment proximal condyle. Shaft fragment.

Small fragment ?right calcaneum, anterior-medial talus surface (don’t quite fit that in 6d but is not quite as fully oxidised, slightly greyer). Fragment very small metatarsal head with shaft.

INCLUSIONS: pot fragment.

*Spit 4b*

AXIAL SKELETON: Cervical; very small fragment body. 2 articular processes.

Thoracic; fragments 3 articular processes.

Lumbar; articular process.

Rib; shaft fragment.

Innominate; fragment acetabulum.

UPPER LIMB: ?clavicle shaft fragment, very gracile – joins fragment above.

LOWER LIMB: Femur; 3 fragments shaft.

Small left talus; most of right (2 fragments no join).

Small left 1<sup>st</sup> metatarsal & shaft: head W = 14.7mm. D = 14.2mm.

*Spit 4c:*

AXIAL SKELETON: Thoracic; transverse process fragment.

Rib; 4 small fragments shaft.

UPPER LIMB: Humerus; 2 fragments shaft.

Ulna; small fragment small ?right left olecranon & sigmoid surface. 2 fragments shaft.

LOWER LIMB: Femur; 11 fragments shaft.

Tibia; right proximal medial condyle fragment with fibula articular surface & part eminence.

Distal phalanx base with shaft fragment.

*Spit 4d*

SKULL: Maxilla – left distal palate with small P2-M2 sockets Right palate fragment with 2 sockets (?P).

AXIAL SKELETON: Sacrum; fragment lateral mass with auricular surface (?right). Rib; 6 fragments shaft.

Innominate; large fragment left with auricular surface & tuberosity, greater sciatic notch (small obtuse 2) & fused crest (blue inside); no pre-auricular modification, no billowing, very slight trans. organisation, slight rim no apical changes.

UPPER LIMB: Scapula; joining fragments left lateral border (blue/grey).

Humerus; 2 fragments shaft.

Radius; ?left proximal end with small head & diminutive tuberosity (very gracile); diameter 15.8mm, depth 6.5mm.

Ulna; right proximal shaft with conoid & radial surfaces (very small).

Joining fragments right 1<sup>st</sup> metacarpal head & shaft. Metacarpal base with shaft fragment.

LOWER LIMB: Fragments femur (5, most grey inside), tibia (2 prox. anterior) & fibula (5) shaft.

Fragment 1<sup>st</sup> metatarsal shaft (see 6d). Right 5<sup>th</sup> metatarsal base with shaft fragment.

*Spit 5: 0.06-0.04m Dense, large bones across whole width.*

*Spit 5a*

UPPER LIMB: Humerus; 2 fragments shaft. Distal articular surface fragment.

LOWER LIMB: Femur; 8 fragments shaft. Small left greater trochanter.

Tibia; fragment proximal shaft with condyle.

Fibula; 2 fragments shaft.

?cuboid fragment.

*Spit 5b*

AXIAL SKELETON: Innominate; fragment pubic crest.

LOWER LIMB: Fibula; 2 fragments shaft.

Tibia; fragment distal articular surface & malleolus (see 3c, no join but would fit).

1<sup>st</sup> metatarsal base with shaft fragment.

*Spit 5c*

AXIAL SKELETON: Thoracic; fragment transverse process.

Innominate; ilium fragment.

UPPER LIMB: Humerus; ?head fragment.

LOWER LIMB: Femur; head fragment. 2 fragments shaft. Distal articular surface, most of left (lateral – see above for medial; slightly blue patches inside).

Tibia; proximal condyle fragment.

*Spit 5d*

LOWER LIMB: Femur; left proximal shaft fragment with lesser trochanter

(moderately pronounced; grey patches.) Large fragment left distal shaft – heavy heat-induced exfoliation of anterior cortical bone. 4 other fragments shaft.

Fibula; tiny right distal head & shaft. 2 fragments shaft. Fragments small cuboid.

*Spit 6a*

AXIAL SKELETON: Innominate; small fragment acetabulum.

LOWER LIMB: Femur; shaft fragment (grey inside).

Patella; most of small right.

Tibia; 2 joining fragments shaft (grey sandwich). Left distal shaft with most of articular surface.

*Spit 6b*

AXIAL SKELETON: Innominate; left ischial tuberosity with inferior-dorsal acetabulum; small (slightly grey).

LOWER LIMB: Femur; most of left distal articular surface (fits patella in spit

above).

Fibula; left distal shaft with very small articular surface (W = 16.7mm, L = 18.6mm (inc. malleolus).

*Spit 6c*

AXIAL SKELETON: Innominate; fragment iliac spine.

UPPER LIMB: Humerus; fragments head & tubercles.

Radius; shaft fragment. Small fragment head?

LOWER LIMB: Femur; fragments 2 heads with necks one with small notch (grey).

Distal shaft fragment. Distal articular surface fragment.

Fibula; shaft fragment.

Left medial cuneiform.

*Spit 6d*

LOWER LIMB: Fragments femur & tibia shaft.

Joining fragments most of left and right calcanea, both very small. L = 55.5mm (right). Most of small right navicular. Fragments cuboid. Fragment medial cuneiform. Base & shaft of left 1<sup>st</sup> metatarsal (rest in 4b); joining fragments right 1<sup>st</sup> metatarsal and shaft W= 16.8mm. Small metatarsal head with shaft fragment.

INCLUSION: Pot fragments.

AGE: adult *c.* 20-30 yr.

SEX: female

PYRE GOODS: Animal 45.6g spits 0, 1a& & d, 2a b & d, 3 b & d; i.e. all in upper half.

#### **Context 4238**

Fill of 4239, 0.34m diameter, max. 0.05m deep. Heavily truncated. Location of bone not observed/recorded & not recoverable in p.exc. (collected as single entity).

AXIAL SKELETON: Rib; small, fragment shaft.

UPPER LIMB: Humerus; shaft fragment.

Metacarpal shaft fragment.

LOWER LIMB: Femur; 4 fragments shaft.

Metatarsal base with shaft fragment.

AGE: adult/subadult >15 yr.

#### **Context 4244**

Charcoal-rich fill of 4245 (sub-rectangular, 1.06 x 0.75m, 0.17m deep). Fill is same length & same depth as cut but conc. on west side (looks like fill of a separate cut from the section, 0.28m wide?). Above (strat) 4243. Probable that one of these two samples is <56> & <78> actually from context 4243 (these is no bone under this no. but looks like there should be).

<56>

SKULL: Mandibular molar root fragment (blue/black bits white). Fragments 2 other pieces (blue inside one).

Joining fragments dorsal portion left petrous temporal (very dorsal part missing).

Vault; 7 mall fragments inc. occipital.

AXIAL SKELETON: Thoracic; fragments 3 articular processes, spinal process fragment.

UPPER LIMB: Scapula; right acromion neck.

Humerus; 2 fragments shaft.

Ulna; fragment ?left coronoid surface.

Metacarpal shaft fragment.

LOWER LIMB: Patella: small fragment ?right lateral.

AGE: adult

PYRE GOODS: Tiny fragment very small animal/?bird bone. & u/id.

<78>

SKULL: Enamel; large left mandibular P2 OR small 3-cusp M3?? – occlusal polish.

Fragments min. 1 ?maxillary I2 & one other P crown, slightly polish, no obvious exposed dentine. Mandibular incisor root fragment; fragments 4 I/P roots. various small shattered fragments tooth root.

Mandible – fragment anterior lingual body fragment with min. 2 sockets. Left anterior ramus border fragment.

Joining fragments left & right malar processes. Sphenoid fragments. Right postglenoid & external auditory meatus margins. Fragment right articular tubercle. Articular fossa. Small external occipital protuberance.

Fragments extreme dorsal 2 petrous temporals. Large incus.

Vault; 34 small fragments (some single plate), sutures open.

AXIAL SKELETON: Atlas; fragment posterior arch. Fragments left & right laterals

with surfaces. Cervical; body fragment with articular processes. Fragments 2 articular processes. Lateral arch fragment.

Thoracic; fragments minimum 1 body. Transverse process. fragment. Fragments 9 articular processes. Fragments min. 2 spinal fragments.

Rib; 45 fragments shaft one with facet; sternal end (1-2).

Innominate; small fragment right auricular surface – not much evident, appears some billowing? shallow short pre-auricular sulcus.

UPPER LIMB: Humerus; 3 fragments shaft.

Radius; 2 fragments shaft (1 worn & chalky) left distal shaft with articular surface fragment.

Fragment left trapezium. Large 1<sup>st</sup> metacarpal head with shaft fragment; base with shaft fragment. Fragments 2 metacarpal heads; fragments 2 bases with shafts; shaft fragment. 2 proximal phalanges heads with shaft fragments (1 grey); 4 middle phalanges heads with shaft fragment (2 slightly grey), 2 bases with shaft fragments (1 grey). 2 distal phalanges (1 grey inside), 1 small base with shaft fragment.

LOWER LIMB: Fragments femur (10) & tibia (3, 1 blue sandwich) shaft.

Fibula; fragments shaft (1 worn & white). Fragment right distal head with shaft).

Calcaneum; fragment anterior facet & dorsal surface. Fragments intermediate & lateral cuneiforms (2 each?). Small fragment very large 1<sup>st</sup> metatarsal head with shaft fragment. Metatarsal shaft fragment. 4th base with shaft fragment. Proximal phalanx base with shaft fragment & 2 heads with shaft fragments.

AGE: adult *c.* 20-30 yr.

SEX: ??male

PYRE GOODS: Fragment blue glass ?bead; FAS fragment (very small); 5.8g

immature mammal bone - distal articulation ulna pig? and unidentified (JG).

### Context 4248

Charcoal rich fill 4250, sealed below 2 other fills in cut 4250 (poss. cut by adjacent feature to which I suspect they form the upper fills though). 4250 square pit (0.64m sq. 0.27m deep). This fill is 0.15m deep collected as single entity so distribution of bone unrecorded.

SKULL: Few heavily shattered fragments tooth enamel (flat occlusal wear evident on

some.). 1 I/C root fragment. 1 P root fragment. Min. 2 maxillary molar root fragments. 4 root apices.

Mandible; left coronoid process. Fragment anterior ramus; Right distal body fragment with M3 socket.

Maxilla - ?right ?distal ?palate fragment; alveolus resorbed & uneven all molars? Small fragment palate.

Fragment large styloid process. Fragment small, pointed ?right mastoid process (small double) bit grey inferior. Small fragment dorsal left petrous temporal. Small fragment external auditory meatus margins. Small fragment articular tubercle. Fragment articular foramen. Large, robust right malar process. Joining fragment robust left nasal process, joins nasal bone & left glabella (flat). Small fragment supra-orbital margin (board; slightly grey).

Vault; 71 fragments, sutures (coronal, ?metopic) fused, some green spot stain 1 exocranial; few fragments slightly grey, 2 (different burn – dry, no normal fractures, blue/brown/black). One fragment highly porotic (?scratching).

AXIAL SKELETON: Cervical; body fragment with heavy pitting one surface &

marginal osteophytes. 2 pairs articular processes, one with marginal osteophytes one facet. Fragment transverse process; fragment spinal process.

Thoracic; fragment 2 body. Fragments 10 articular processes. Spinal process fragment.

Lumbar; body fragment with mild marginal osteophytes; fragment articular processes. Spinal process fragment.

Rib: 24 fragments shaft (several grey), 2 with tubercles/facets

Innominate; fragments iliac crest; ischial crest fragment.

UPPER LIMB: Humerus; 5 fragments shaft; trochlear fragment.

Radius; 7 fragments shaft (1 blue inside).

Ulna; 3 fragments shaft.

Fragments 2 small/medium lunates (grey inside) & trapezoid. Metacarpal head fragment (black); fragments 3 bases with shafts inc. min. 1 5<sup>th</sup>, shaft fragment. 3 proximal phalanges heads with shaft (1 grey); 5 shaft fragments (1 grey). Fragments min. 4 middle phalanges heads with shafts, one with base fragment also. 2 fragments shaft. 2 distal phalanges shaft, one base fragment.

LOWER LIMB: Femur; 46 fragments heavy shaft, moderate attachments (4 grey/black interior).

Tibia; 6 fragments shaft.

Fibula; 7 fragments robust shaft, one with fused hobnail. Medium-sized right distal head with shaft fragment. Fragments talus anterior articular surface, min. right calcaneum anterior facets; medium/large left navicular fragment. Large sesamoid. 1<sup>st</sup> metatarsal nasal with shaft fragment. 1<sup>st</sup> proximal & 1<sup>st</sup> distal heads with shaft fragments. Proximal phalanx shaft fragment.

AGE: adult >40 yr.

SEX: ??female

PYRE GOODS: 21.6g immature mammal & bird bone - left carpometacarpus & left femur fragments of woodcock?, mandible fragment & loose teeth of very young pig, rib fragments pig? and unidentified mammal and bird bone (JG); 1.5g/8 fragments worked bone (ring & dot) 2 fragments u/b, 2 white/grey; 0.4g/2 Fe nails; small fragment FAS.

### **Context 4249**

Very charcoal rich fill of 4250 below 4248, 0.06m deep.

SKULL: Fragments minimum 1 molar root; 2 root apices.

Mandible – right buccal body fragment with 2 sockets. Fragment left buccal body with foramen.

Volmer. Fragment right dorsal external auditory meatus margin. Fragment right inferior nasal margin. Small fragment sphenoid. Right lateral supra-orbital fragment, medium margin, flat.

Vault; 30 fragments, sutures (coronal) fused; most blue/grey diploe.

AXIAL SKELETON: Cervical; 2 right articular process pairs fused via facets &

neural arch. Small fragment body. 2 articular processes, one with uneven facet surface & slightly marginal osteophytes. Spinal process fragment.

Thoracic; body fragment and fragments 5 articular processes one with slight marginal osteophytes.

Lumbar; spinal process fragment. ?T/L body fragment with small osteophytes spur.

Rib; 10 small fragments shaft one with pitting & osteophytes in facet.

UPPER LIMB: Clavicle; 2 medial facet both heavily & one extensively pitted.

Fragments humerus (5), radius (1) and ulna (4) shaft.

Fragments 2 metacarpal heads (grey); 2 shaft fragments. Proximal phalanx head with shaft fragment. Min. 3 middle phalanges head with shaft fragments (1 grey). 2 distal phalanges heads with shaft fragment (inc. 1<sup>st</sup>).

LOWER LIMB: Femur; 10 fragments shaft (1 blue/grey inside).

Patella; anterior surface fragments, mild enthesophytes.

Fragments tibia (3) and fibula (4) shaft.

Fragment intermediate cuneiform. Fragments 5 metatarsal bases with shafts (inc. 1<sup>st</sup> & 5<sup>th</sup>; 2 grey). 2 fragments shaft. 1<sup>st</sup> proximal phalanx head with shaft fragment; base with shaft fragment. Proximal phalanx shaft fragment. 2 distal phalanges. Medium sesamoid.

AGE: adult >45 yr.

SEX: ??female (but large robust individual)

PYRE GOODS: 16.1g immature (neonatal?) mammal - pig left ulna fragment, rib fragments pig?, petrosium pig? and unidentified mammal bone fragments (JG); 0.1g FAS



Context	Cut	Deposit type	Total	10mm	% total	5mm	% total	2mm	% total	1mm	Max.	id. wt.	% total	skull	% id.	axial	% id.	u.limb	% id.	l.limb	% id.
			wt. (g)	wt. (g)	wt.	wt. (g)	wt.	wt. (g)	wt.	res.	frag.	(g)	wt.	wt.	wt.	wt.	wt.	wt.	wt.	wt.	wt.
4004: 0			12.2	9.3	76.23	1.6	13.11	1.3	10.66		43mm	5	40.98	2.2	44.00	0.2	4.00	2.6	52.00		0.00
4004: 1a			45.9	24.6	53.59	9.8	21.35	11.5	25.05		21mm	9.5	20.70	2.4	25.26	4.4	46.32	2.7	28.42		0.00
4004: 1b			54.5	42.7	78.35	11.2	20.55	0.6	1.10	+	45mm	36	66.06	8.6	23.89	16.6	46.11	4.6	12.78	6.2	17.22
4004: 1c			6.4	4.2	65.63	1.2	18.75	1	15.63		32mm	3.9	60.94		0.00	0.8	20.51		0.00	3.1	79.49
4004: 1d			47.9	33.2	69.31	8.3	17.33	6.4	13.36		43mm	19.7	41.13	6.8	34.52	3.9	19.80		0.00	9	45.69
4004: 2a			26	18.7	71.92	6.9	26.54	0.4	1.54	+	83mm	14.1	54.23	0.5	3.55	6.5	46.10	1.8	12.77	5.3	37.59
4004: 2b			30.1	23.5	78.07	4.5	14.95	2.1	6.98		46mm	11.2	37.21	0.8	7.14	3.1	27.68		0.00	7.3	65.18
4004: 2c			5.6	2.4	42.86	1.8	32.14	1.4	25.00		25mm	2	35.71		0.00	0.4	20.00	1.6	80.00		0.00
4004: 2d			35.1	23.4	66.67	6	17.09	5.7	16.24		35mm	19.4	55.27	1.9	9.79	14.8	76.29	0.3	1.55	2.4	12.37
4004: 3a			47.2	40.2	85.17	6.6	13.98	0.4	0.85	+	103mm	43.7	92.58	10.9	24.94	12.6	28.83	17.4	39.82	2.8	6.41
4004: 3b			36.9	30.2	81.84	6.7	18.16		0.00	+	40mm	27.5	74.53	5.3	19.27	12.6	45.82		0.00	9.6	34.91
4004: 3c			32.6	23.6	72.39	5	15.34	4	12.27		34mm	21.5	65.95		0.00	8.9	41.40	1.9	8.84	10.7	49.77
4004: 3d			62.6	52.1	83.23	6.2	9.90	4.3	6.87		52mm	44	70.29	0.6	1.36	15.3	34.77	2.7	6.14	25.4	57.73
4004: 4a			55.1	43.9	79.67	11.1	20.15	0.1	0.18	+	52mm	35.7	64.79	0.4	1.12	11	30.81	14.7	41.18	9.6	26.89
4004: 4b			37.9	30.7	81.00	3.9	10.29	3.3	8.71		42mm	29.5	77.84		0.00	3.7	12.54		0.00	25.8	87.46
4004: 4c			45.7	36.1	78.99	5.4	11.82	4.2	9.19		38mm	33.1	72.43		0.00	0.6	1.81	6.3	19.03	26.2	79.15
4004: 4d			71.4	58.5	81.93	9.3	13.03	3.6	5.04		60mm	56.3	78.85	2.9	5.15	23.3	41.39	12.4	22.02	17.7	31.44
4004: 5a			34.5	31.5	91.30	3	8.70		0.00	+	42mm	28	81.16		0.00		0.00	4.5	16.07	23.5	83.93
4004: 5b			9.1	5.4	59.34	2.3	25.27	1.4	15.38		38mm	5.1	56.04		0.00	1.3	25.49		0.00	3.8	74.51
4004: 5c			33.8	29.2	86.39	2.5	7.40	2.1	6.21		48mm	23	68.05		0.00	0.6	2.61		0.00	22.4	97.39
4004: 5d			54	48.7	90.19	2.8	5.19	2.5	4.63		83mm	44.5	82.41		0.00		0.00		0.00	44.5	100.00
4004: 6a			24.2	23.8	98.35	0.4	1.65		0.00	+	42mm	22.5	92.98		0.00	0.4	1.78		0.00	22.1	98.22
4004: 6b			35.6	34.5	96.91	1.1	3.09		0.00	+	51mm	29.6	83.15		0.00		0.00		0.00	29.6	100.00
4004: 6c			36.6	29.9	81.69	6.6	18.03	0.1	0.27	+	38mm	25	68.31		0.00	0.4	1.60	2.4	9.60	22.2	88.80
4004: 6d			51.7	48.9	94.58	2.8	5.42		0.00		52mm	39.7	76.79		0.00		0.00		0.00	39.7	100.00
Total	4003	urned burial	932.6	749.2	80.33	127	13.62	56.4	6.05		103mm	629.5	67.50	43.3	6.88	141.4	22.46	75.9	12.06	368.9	58.60
4238	4235	crd	9.8	3.8	38.78	4.5	45.92	1.5	15.31	-	20mm	4.5	45.92	0.1	2.22	0.6	13.33	3.8	84.44		0.00
4244 <56>	4245	grave fill	38.5	14.1	36.62	17.2	44.68	7.2	18.70	-	23mm	11.9	30.91	5.8	48.74	1.1	9.24	4.1	34.45	0.9	7.56
4244 <78>		un. burial + rpd	308.2	134.5	43.64	112.8	36.60	60.9	19.76	++	55mm	110.5	35.85	31	28.05	25.7	23.26	15.3	13.85	38.5	34.84
4248	4250	un.burial + rpd	617.7	348.2	56.37	202	32.70	67.5	10.93	++	51mm	281.1	45.51	81	28.82	19.9	7.08	30.2	10.74	150	53.36
4249	4250	?=4248 rpd?	318.6	130.1	40.83	143.5	45.04	45	14.12	+	39mm	94.7	29.72	28.9	30.52	10	10.56	12.9	13.62	42.9	45.30

## **Cremated animal bone archive report**

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### **Context 4004**

- 0: unidentified.
- 1a: left mandible of pig (male), unidentified mammal bone.
- 1d: left mandible fragment of subadult pig and unidentified mammal bone.
- 2a: pig skull fragments.
- 2b: fragments of molars/premolars of young pig.
- 2d: unidentified.
- 3b: unidentified.
- 3d: mammal costa fragment.

### **Context 4244**

sample 56: unidentified

sample 78: distal articulation ulna pig? and unidentified.

### **Context 4248**

left carpometacarpus and left femur fragments of woodcock?, mandible fragment and loose teeth of very young pig, costa fragments pig? and unidentified mammal and bird bone.

### **Context 4249**

pig left ulna fragment, costa fragments pig?, petrosus pig? and unidentified mammal bone fragments.